

18 – 145 RESOLVED

THAT Council request the General Manager of Lithgow City Council, Mr Graeme Faulkner write to the Federal Member, Mr Andrew Gee seeking Mr Gee to lobby Federal Agriculture Minister, Mr David Littleproud as a matter of urgency to consider:

1. A freight rebate for effected farming families as soon as possible.
2. To backdate the rebate for fuel to 5 April 2018
3. Council Invite Rachel Nicoll from the NSW Farmers Association requesting the NSW Drought Coordinator to visit the Lithgow LGA.

MOVED: Councillor M Statham

SECONDED: Councillor R Thompson

CARRIED – Unanimous



1. ACQUISITION AND DISPOSAL OF ASSETS

Policy 1.6

LAND ACQUISITION AND DISPOSAL

Version 1

LAND ACQUISITION AND DISPOSAL POLICY

From time to time Council may acquire or dispose of land for the purpose of exercising its functions and achieving its strategic objectives.

It is Council's policy to acquire and dispose of land in a manner that is consistent with the Guiding Principles for Local Government, including:

- achieving best value for public money;
- being accountable and transparent;
- ensuring all interested parties are given a fair chance;
- avoiding conflicts of interest; and
- minimising risk.

To achieve the objectives of this Policy Council adheres with the Land Acquisition and Disposal Procedures included with this Policy, applicable procedures set in legislation and government adopted guidelines.

The scope of this policy and the accompanying procedures is limited to land owned by Lithgow City Council or land to be purchased by Lithgow City Council from a third party. For the avoidance doubt, this policy and the accompanying procedures do not address acquisition or disposal of Crown land, which must be dealt with in accordance with the *Crown Land Management Act 2016*.

LAND ACQUISITION – PROCEDURE

Definitions

For the purpose of this land acquisition procedure the following definitions apply:

acquire or **acquisition** of land means an acquisition of land or of any interest in land.

Council means Lithgow City Council.

LA Act means *Land Acquisition (Just Terms Compensation) Act 1991*.

LG Act means *Local Government Act 1993*.

land has the meaning set out in the *Interpretation Act 1987* and includes an interest in land.

public sale means the land is:

- (a) advertised by the owner as being available for sale, or
- (b) listed by the owner with a real estate agent as being available for sale, or
- (c) otherwise held out by the owner as being available for sale.

Power of council to acquire land

A Council may only acquire land for the purpose of exercising its functions or, in its capacity as a roads authority for a purpose specified in the *Roads Act 1993* including road widening.

Procedure

1. Assessing whether to acquire the land

Council identifies land based upon the purpose for which Council needs to acquire the land. Matters to be considered when assessing whether to acquire land include:

- What is the nature of interest, for example freehold, leasehold, public-private partnership, easement, etc?
- Does the use of the land fall within Council's strategic plan?
- What value will the land bring to the community or service?

- Is the land suitable for its intended use?
- Will the community receive a return on investment?
- What is the projected cost of ownership, including ongoing maintenance costs?

2. Classification of land

All public land must be classified as either “community” or “operational” prior to acquisition or within 3 months, otherwise the land will automatically be deemed “community”. Note however, in limited circumstances, compulsory acquisition of land that is classified as “community land” before acquisition must remain community land after acquisition.

At the time of resolving to acquire land (point 8 below), the land should be classified as either “operational” or “community”.

3. Method of purchase - land listed for public sale

Land that is being sold on the open market falls outside the scope of the LA Act. In this situation the procedure for purchase is governed by the general property law. Note however, that Council must adhere to the requirements of Council resolution and classification of land.

For land available by public sale Council’s officers will either:

- instruct Council’s appointed agent or solicitor to negotiate with the vendor or the vendor’s agent; or
- negotiate directly with the vendor or the vendor’s agent.

All negotiations must be on the basis that a formal offer cannot be made until Council has resolved to purchase the land.

4. Method of acquisition - land not listed for public sale (acquisition by private agreement)

Council may acquire land by entering direct negotiations with the owner. In this situation Council will first obtain a valuation of the land which will form the basis of its negotiations with the owner.

Where Council resolves to acquire land by private agreement, it does not need to follow the same processes that apply to compulsory acquisitions, but Council must comply with the compensation provisions of the LA Act.

5. Method of acquisition - compulsory acquisition (with consent of owner)

The owner of the land and Council can agree to a compulsory acquisition under the LA Act.

If all relevant terms of the acquisition are agreed by the parties, including the amount of compensation, there is no requirement for Council to comply with the provisions regarding pre-acquisition procedures and compensation for acquisition of land. However, in all other respects, Council must comply with the LA Act.

6. Method of acquisition - compulsory acquisition (without consent of the owner)

Before compulsorily acquiring land Council must make reasonable efforts for at least 6 months to acquire the land by agreement. If agreement cannot be reached, Council can acquire land without the owner's consent and must strictly adhere with the provisions of the LA Act.

After Council has made a valid resolution to acquire the land, the consent of the Minister for Local Government and/or the Governor to compulsorily acquire the land or any interest in the land is required.

Acquiring land for re-sale is not allowed without the owner's consent, unless the land forms part of, or adjoins or lies in the vicinity of, other land acquired at the same time for a purpose other than re-sale.

7. Probity plan

A probity plan is to be prepared to establish and document tasks, procedures and treatment options for managing acquisition of the particular land. The probity plan will address the following matters:

- how the acquisition will achieve Council's strategic objectives;
- the method of acquisition to be adopted (based on 3, 4, 5 or 6 above);
- conflicts of interest (where applicable, any actual or perceived conflicts of interest must be disclosed and effectively managed);

- accountability and transparency (the manner in which Council will ensure a clear audit trail).

8. Report to Council and resolution to acquire land

Prepare a report to Council seeking a resolution to acquire the land. The report is to cover the matters listed in 1 to 7 above.

A Council's power to acquire land or an interest in land cannot be delegated to staff or individual councillors. Only the Council can determine to acquire land, which it must do by way of a resolution.

Summary of land acquisition procedure

1. Assess whether to acquire the particular land, having regard to the factors outlined in 1. above.
2. Consider whether the classification of the land should be either "community" or "operational".
3. Consider what the most suitable method of acquisition will be – see points 3, 4, 5 and 6 above.
4. If the land is not listed for public sale, obtain an independent valuation report to use as the basis for negotiation.
5. Prepare a probity plan.
6. Prepare a report to Council for resolution purposes.

LAND DISPOSAL – PROCEDURE

Definitions

For the purpose of this land disposal procedure the following definitions apply:

Council means Lithgow City Council.

direct negotiation means exclusive negotiations between Council and a proponent without first undergoing a competitive process.

dispose or disposal includes sell, exchange or otherwise dispose of.

land has the meaning set out in the *Interpretation Act 1987* and includes an interest in land.

LG Act means the *Local Government Act 1993*.

Power of council to dispose of land

A Council may dispose of land for the purpose of exercising its functions. All negotiations to dispose of land are to be conducted subject to and conditional upon a resolution of Council to dispose of the land.

This procedure does not apply to sale of land due to non-payment of rates. For a sale of land due to non-payment of rates Council must comply with the requirements set out in the LG Act and any other applicable legislation.

Procedure

1. Assessing whether to dispose of land

Prior to disposing of land Council will assess the benefit to be gained from disposing of the land, whether financial or otherwise, factoring in:

- Restrictions or limitations – are there any existing encumbrances or interests over the land, such as trust arrangements, licences, leases, caveats, or other contracts entered by Council, which negate the ability of Council to dispose of the land?
- Site limitations – is the land subject to flooding, contamination, land slip, mine subsidence, road widening or other physical impairment?

- Conservation value – does the land have cultural significance, such as heritage value, works on the land, vegetation or relics?
- Strategic objectives – is the land suitable for future needs of the community, including open space, social, recreational, ecological, environmental considerations?
- Future needs of Council – can the land be utilised in the future by Council?
- Economic assessment:
 - o what is the cost of retaining and maintaining the land, including the day to day management, maintenance, insurance, security and cleaning?
 - o what is the difference between the value of land and the disposal costs?
- any other relevant considerations.

If, on balance, the assessment indicates that disposal of the land will not benefit the community or the functions of Council, Council may decide not to proceed with disposal.

2. Classification of land

Council may dispose of land that is classified “operational”. However, Council has no power to sell, exchange or otherwise dispose of “community” land, unless the land is to become, or be added to, a Crown reserve or land that is reserved or dedicated under the *National Parks and Wildlife Act 1974*.

If Council identifies an area of “community” land to be sold, exchanged or otherwise disposed of the land must first be re-classified as “operational”. Reclassification of land may be effected either by a local environmental plan or by means of a resolution of Council under sections 31, 32 or 33 of the LG Act.

3. Valuation

Prior to initiating the disposal of land an independent valuation must be obtained to determine the market value of the land. The valuation will form part of Council’s assessment (point 1. above) and assist with determining

the reserve price at auction or the basis for direct negotiations (if applicable).

4. Tender or other competitive process

Although Council is exempt from the requirement to tender in relation to disposal of land, if the Council is of the view that the disposal is at risk of being considered controversial, contentious or political, it may, by resolution, apply the tender process, in which case Council must adhere with the requirements of Part 7 of the *Local Government (General) Regulation 2005*.

In all other situations (except where direct negotiation is warranted) Council must dispose of land through a competitive process, consistent with the Principles for Local Government, by way of auction or expression of interest.

5. Direct negotiation

Direct negotiation may be warranted and used as the method of disposal in very limited circumstances, such as where:

- the land is required for use by another government agency for the purpose of infrastructure;
- the land will only be of benefit to a particular landowner(s) - for example, a laneway that is not large enough to be used as an independent parcel of land would be of use only to adjoining owners;
- Council is bound by a contractual obligation; for example, Council may have obligations under a contract that provides the other party with a right of first refusal, an option to purchase or an option to lease;
- a competitive process undertaken in the last 12 months has failed to achieve the desired result;
- Council has undertaken to achieve a unique project that is part of Council's strategic objectives; for example, a land swap.

Where Council determines it is appropriate to use direct negotiation as the method of disposal, a business case will be prepared to demonstrate why direct negotiation is warranted in light of the circumstances.

6. Probity Plan

A probity plan is to be prepared to establish and document tasks, procedures and treatment options for managing disposal of the particular land. The probity plan will address the following matters:

- achieving best value for money (this does not necessarily mean the highest price, but may include non-price elements, such as the use to which the land will be put, the settlement time, etc);
- the reason for using direct negotiation (if applicable);
- dealing with conflicts of interest (where applicable, any actual or perceived conflicts of interest must be disclosed and effectively managed);
- impartiality (where land is sold subject to a development application, the development application will be referred to an independent panel for assessment);
- ensuring accountability and transparency (the manner in which Council will ensure a clear audit trail).

7. Report to Council and resolution to dispose of land

Prepare a report to Council (following assessment of the matters listed in 1 to 6 above), including a copy of the valuation and probity plan. The report will form the basis of Council's resolution.

The report to Council shall recommend where any proceeds of sale are to be applied, for example any proceeds may be internally restricted for future acquisition purposes.

A Council's power to dispose of land cannot be delegated to staff or individual councillors. Only the Council can determine to dispose of land, which it must do by way of a resolution.

Summary of land disposal procedure

1. Assess whether disposal of the land will be beneficial, having regard to the factors outlined in 1. above.
2. Establish whether the land is classified as operational or community. If community, explore whether it is capable of reclassification.
3. Obtain an independent valuation.

4. Determine the method to be used for disposal of the land, based on 4. and 5. above.
5. Prepare a probity plan, and a business case if disposal is to be by way of direct negotiation.
6. Prepare a report to Council for resolution purposes.

Source of information

The following sources have assisted with preparing this policy:

Interpretation Act 1987

Local Government Act 1993

Local Government (General) Regulation 2005

Land Acquisition (Just Terms Compensation) Act 1991

Roads Act 1993

DLG – Guidelines for the Compulsory Acquisition of Land by Councils, June 2006

DLG - Tendering Guidelines for NSW Local Government, October 2009

ICAC – Direct negotiations, Guidelines for managing risks in direct negotiations, May 2006

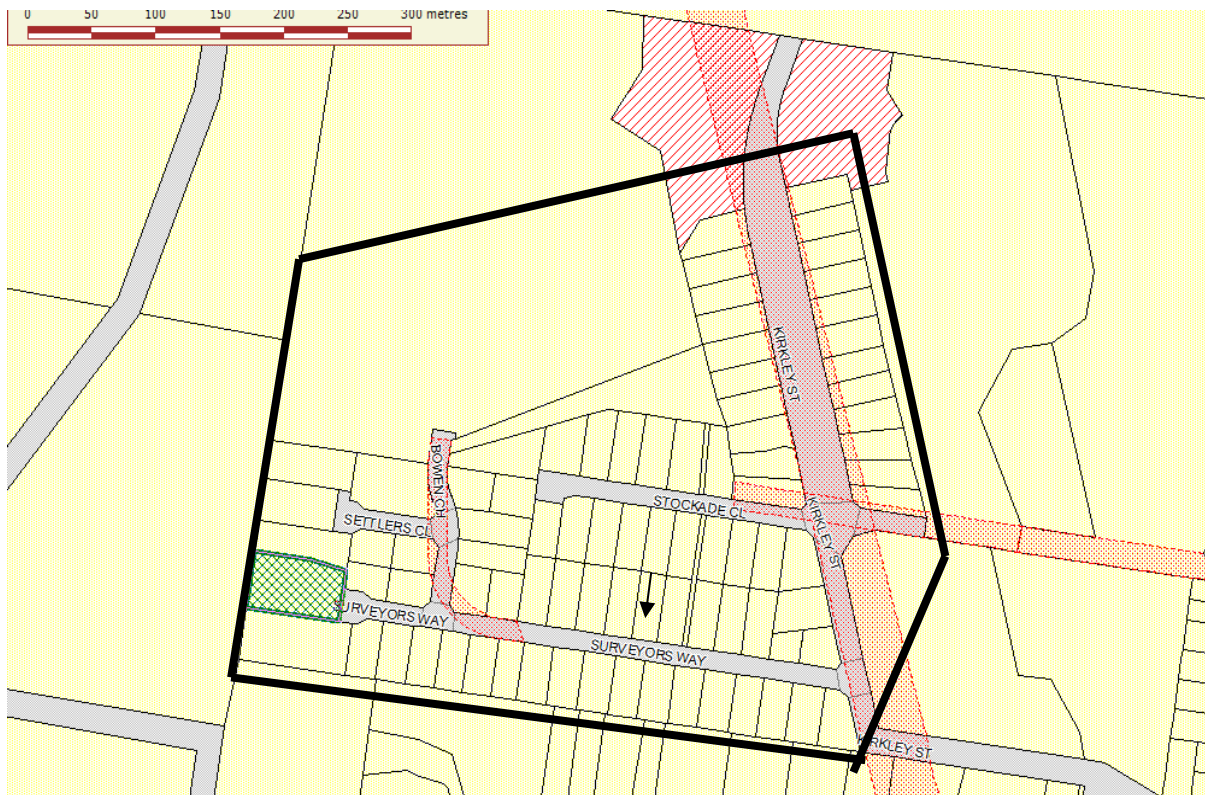
ICAC - Probity and probity advising, Guidelines for managing public sector projects, November 2005

NSW Treasury – Total Asset Management Guideline, Asset Disposal Strategic Planning, June 2004

Maintained by Department:	Economic Development & Environment	Approved by:	Council		
Reference:	Dataworks: Policy Register	Council Policy No:		Effective Date:	
Min No:		Version No:		Reviewed Date:	
Attachments:					

**ECDEV – ATTACHMENT 1 – 270818 – S68105/18 – PROPOSED SOLID FUEL HEATER –
11 SURVEYORS WATER SOUTH BOWENFELS**

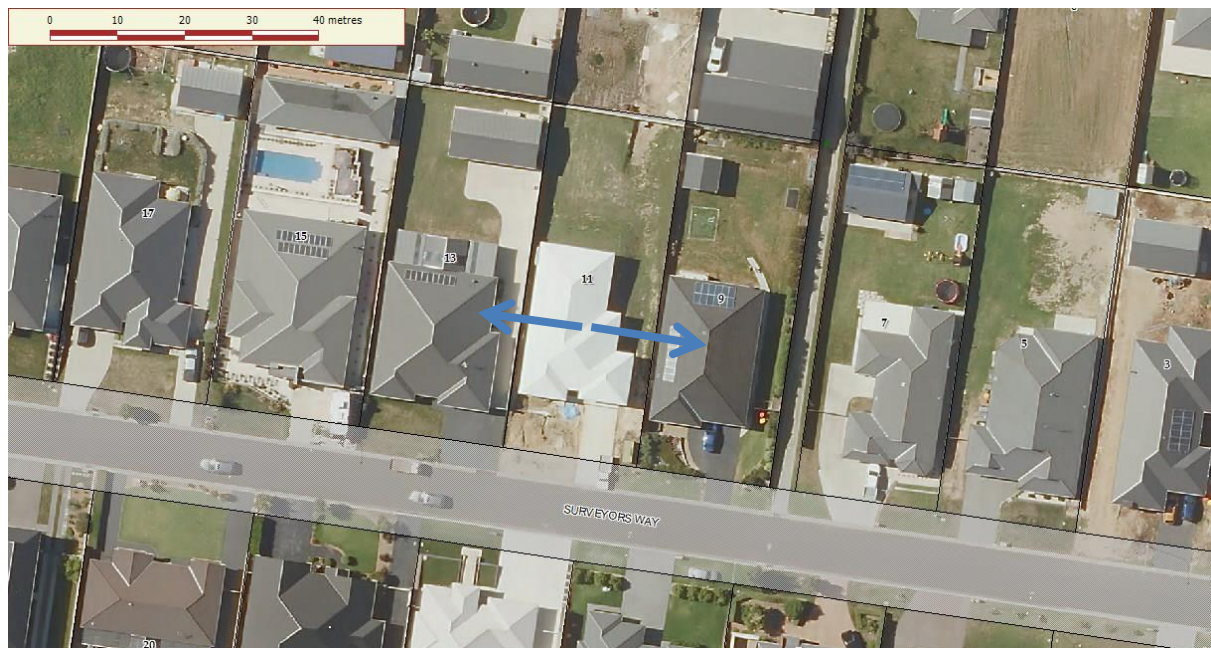
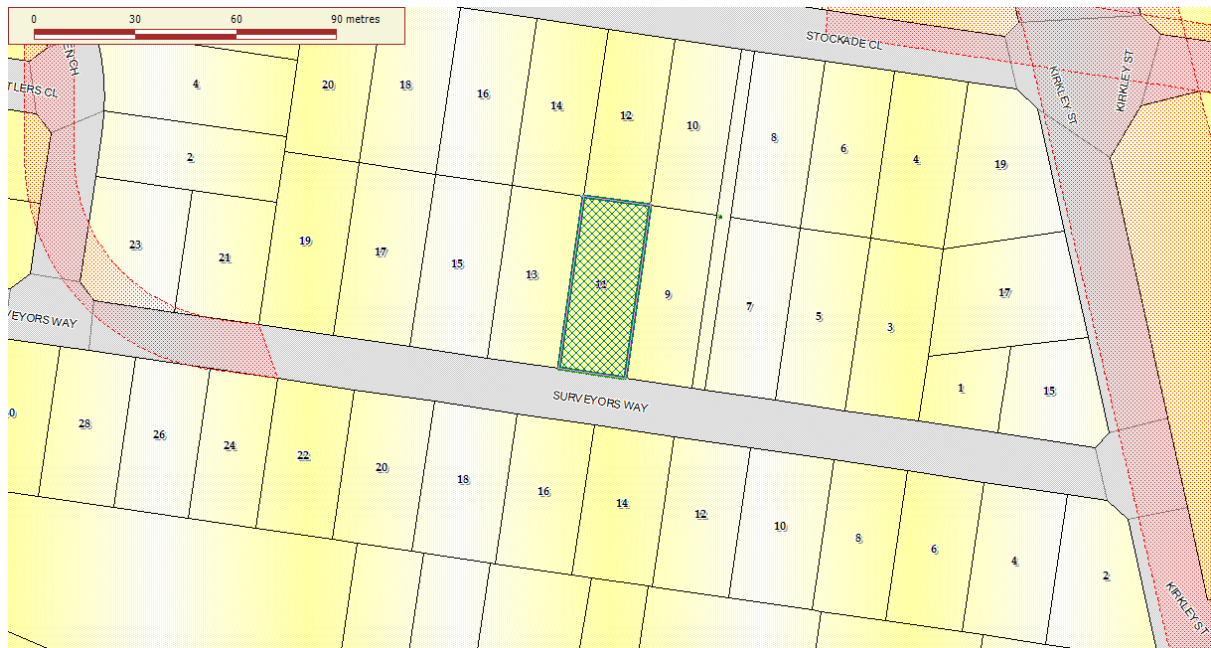
LOCATION AND EXTENT OF KIRKLEY ESTATE SUBDIVISION



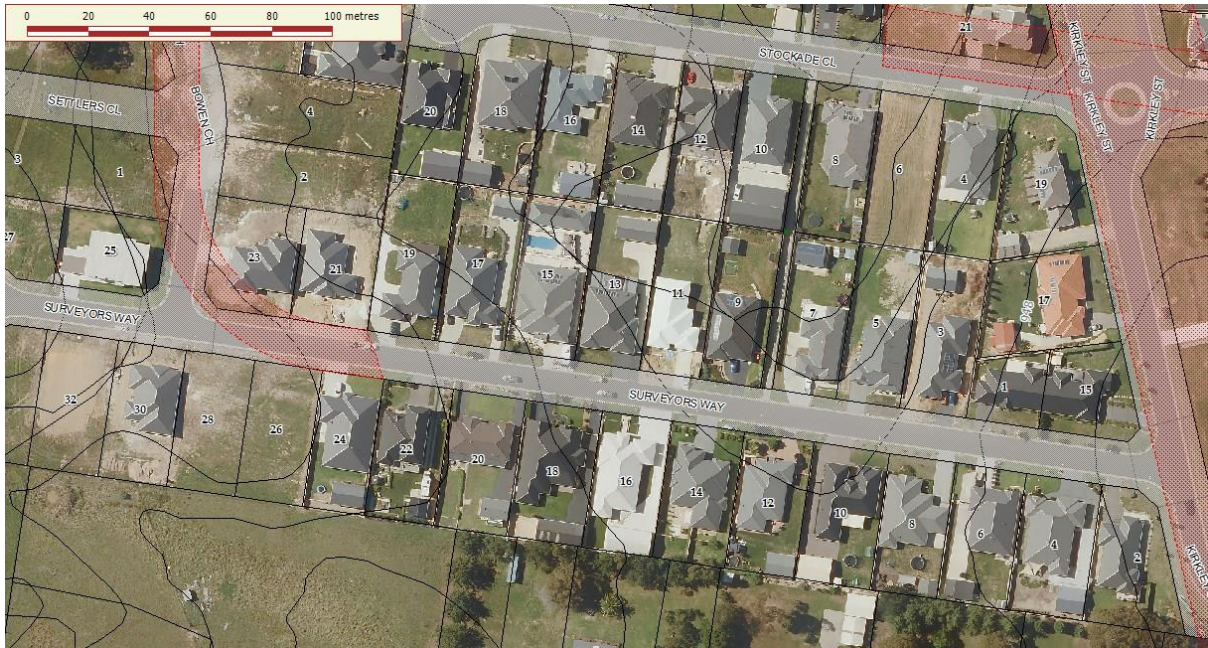
- Arrow shows location of proposed solid fuel heater installation.
- Lot shaded by green hatching contains existing dwelling constructed prior to establishment of subdivision/estate

**ECDEV – ATTACHMENT 2 – S68105/18 – LOT 16 DP1103064 NO. 11 SURVEYORS WAY
SOUTH BOWENFELS**

SITE PHOTOS



Aerial photo showing dwellings located within 15m radius of the proposed flue (dwelling to the right located downslope and dwelling to the left upslope)



The contour plan shows that numbers 9 and 7 Surveyors Way are located in a small depression with number 11 (location of solid fuel heater) located on the slight upslope of the depression. The contours also show that there are approximately 9 properties upslope of the site



View to the east along Surveyors Way (showing the properties located upslope from the proposed SFH site and obstructions)



View to the west along Surveyors Way showing the low point (No. 9 and 7 Surveyors Way)



View to the north and approximate location of proposed solid fuel heater (submission received from neighbouring property to the right - No. 9 Surveyors Way)



View to the north and impact of location of proposed SFH/Flue on neighbouring property (no. 9 Shown by blue arrow)



View to the south west and impact of SFH/flue on neighbouring property to the south (No. 13)

ECDEV – ATTACHMENT 3 – S68105/18 – LOT 16 DP1103064 NO. 11 SURVEYORS WAY SOUTH BOWENFELS

CHECKLIST - SOLID FUEL HEATER

Application No: S68105/18 – Lot 16 DP 1103064 No. 11 Surveyors Way South Bowenfels

Completed by: Building and Development Officer: Rebecca Nichols

Date: 16 July 2018

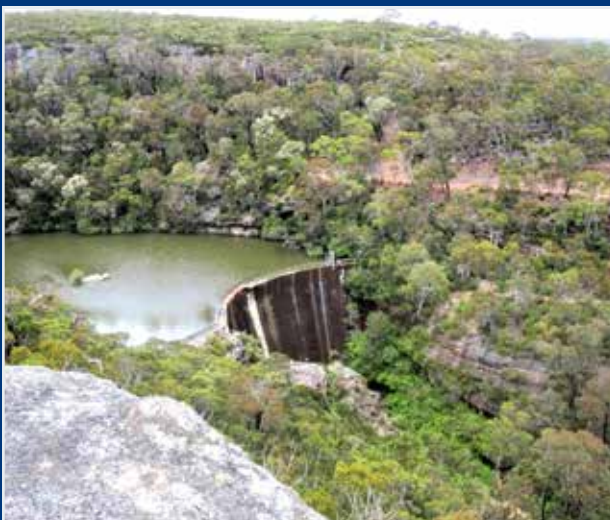
Comment	Issue
Manufacturers details and brochures of appliance complying with AS2918:2001 & BCA 2016	Yes
Copy of certificates issued under AS4012 & 4013 for minimum particle emissions to limit air pollution	Listed on Home Heating Association as compliant under AS4012 & 4013
Floor plan of the building showing the position of the proposed appliance including distances from combustible materials and location and height of flue	Yes
Site plan showing any structures within 15m of flue	See aerial photo and site photos – neighbouring dwellings to the east and west are located within 15m of the Flue
Is dwelling located in a bushfire prone area – location of woodpiles etc Type of rain excluder Method of sealing around flue	No
Covenants applying to land that may prevent/restrict installation of solid fuel heaters	No – The covenant applies to coal, coke of like combustion materials only and not timber combustion.
Wind loading – high wind area – anchorage of flue required?	Yes
Heritage item	N/A
Site clearly identified	Yes
Are there any structures within 15m of flue	Yes - Neighbouring dwellings to the east and west are located within 15m of the flue
Will the flue for the solid fuel burning be taken to a height of at least 600 mm above the ridge of the roof if the flue system is within 3m of the highest point of the roof or alternatively 1000mm above the roof penetration (In addition note: No part of the building shall be within a 3 metre radius of the flue exit which may require the flue to be extended beyond 1000mm above the roof penetration on steep roof pitches (required under AS2918, Part 4.9).	Can comply subject to condition of consent
Is there a foreseen risk of penetration of	Downdraught may occur due to prevailing

flue gases through nearby windows or other openings, fresh air inlets, mechanical ventilation inlets or exhausts, or the like (required under AS2918, Part 4.9).	westerly winds and inversion layer, location of the neighbouring dwelling in the downslope in the lowest point of the street and obstructions from adjoining houses located on the upslope.
Topography	The proposed solid fuel heater/flue will be located in the low point of the estate and a smoke nuisance may occur. The guidelines outline that cold air flowing from high ground push smoke into valleys and low lying areas. Also the pooling of cold air in valleys can cause smoke to be trapped near the ground (this is often experienced in Lithgow during the winter months). This scenario may occur in the Kirkley estate.
Neighbour notification	One submission was received from the adjoining owner (number 9) and the following matters were raised: 1. Due to the positioning of the proposed heater the smoke would likely affect the bedrooms in our house 2. Daughter and granddaughter both suffer from asthma and we feel that the smoke from a solid fuel heater would adversely affect their health. 3. There are no other solid fuel heaters in this estate 4. A restriction in the Section 88B instrument states that "No coal, coke or the like combustion material shall be used in any heating apparatus" and a solid fuel heater would be in breach of this restriction. See Council report for discussion and recommendations
Impact of installation on views and streetscape Appearance of chimney from any public place	Minimal

LITHGOW CITY COUNCIL

DEVELOPMENT SERVICING PLANS FOR WATER SUPPLY AND SEWERAGE

August 2018



Lithgow City Council

Services	Council provides the essential water supply and sewerage services to population of over 16,000 in the Lithgow Local Government Area, in the Central Tablelands region in NSW.
Vision	A centre of Regional excellence that: ☐ Encourages community growth and development ☐ Contributes to the efficient and effective management of the environment, community and economy for present and future generations.



Development Servicing Plans for Water Supply and Sewerage 2018

Adopted by Council		
Minute	Date	

Document Control

Revision	7	Date	17 August 2018
Prepared by	WaterOz Pty Ltd; A.B.N. 28 612 790 833 Email: gidi@wateroz.com.au ; Telephone: 0448 480 200		
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Audited by	Hunter H2O		
Audit date	31 January 2018		
Document	LCC_DSP_S2_Draft_Rev6		

EXECUTIVE SUMMARY

These Development Servicing Plans (DSPs) cover water supply and sewerage developer charges for the areas serviced by Lithgow City Council (LCC). The service areas are shown in the maps in Appendix A.

This document comprises two water supply DSPs and four sewerage DSPs. The developer charges per equivalent tenement (ET) in each DSP area are summarised in the table below.

DSP Area	Calculated Developer Charge	Adopted Developer Charge	Cross-subsidy: Resulting Increase in TRB
	(\$/ET) 2018/19		
Water Supply			
Lithgow	2,921	2,921	N/A
Portland	nil	nil	
Wallerawang			
Sewerage			
Lithgow	2,730	2,730	\$2
Portland	8,077	8,077	
South Bowenfels	14,213	14,213	
Wallerawang	14,622	9,622	

LCC will determine the ET loadings of new development and redevelopment and levy developer charges by multiplying the ET loadings by the charge per ET applicable to the service area.

The DSPs have been prepared in accordance with the 2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater issued by the Minister for Lands and Water, pursuant to section 64 of the LG Act 1993, exercising its function under section 306 (3) of the *Water Management Act, 2000*.

The assets that will serve the areas covered by these DSPs are described in section 5.

The levels of service to be provided by Council are included in section 6.

Developer charges relating to this DSP document will be reviewed after a period of 4 to 8 years. In the period between any review, developer charges will be adjusted annually on the basis of the movements in the CPI for Sydney, excluding the impact of GST.

The developer shall be responsible for the full cost of the design and construction of water supply and sewerage reticulation works within subdivisions.

Background information containing all the critical data including calculation models behind each DSP is available on request

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1 INTRODUCTION

Lithgow City Council (LCC) provides water supply and sewerage services within the Lithgow Local Government Area in NSW.

Developer charges cover part of the cost of providing water supply and sewerage infrastructure to new development and redevelopment. Developer charges have two related functions:

- ❑ They provide a source of funding for infrastructure required for urban development
- ❑ They provide signals regarding the cost of urban development thus encouraging less costly forms and areas of development

Section 64 of the *Local Government Act 1993* enables a local government council to levy developer charges for water supply and sewerage. This section refers to Section 306 of the *Water Management Act 2000*. Outline of relevant legislation is provided in Appendix D.

A DSP is a document which details the water supply and/or sewerage developer charges to be levied on development utilising a water utility's water supply and/or sewerage infrastructure.

This DSP document has been prepared in accordance with the 2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater issued by the Minister for Lands and Water, pursuant to section 64 of the LG Act 1993, exercising its function under section 306 (3) of the *Water Management Act, 2000*.

This DSP document supersedes any other requirements related to water supply [and/or sewerage] developer charges for the area covered by this DSP. This DSP document takes precedence over any of Council's codes or policies where there are any inconsistencies relating to water supply [and/or sewerage] developer charges.

This document contains two water supply DSPs and two sewerage DSPs, covering water supply and sewerage developer charges in regard to the Service Areas served by LCC.

These DSPs aim to achieve the following objectives:

- ❑ Allow Council to require a monetary contribution for the provision of water supply and sewerage services, proportional to the demands generated by development.
- ❑ Facilitate the provision of water supply and sewerage assets to meet the levels of service.
- ❑ Detail the contribution rates and Council's payment policies.

These DSPs were prepared using 2016/17 data. The calculated charges were adjusted using an increase of 1% pa to arrive at the calculated developer charges in 2017/18.

2 GLOSSARY

Below is a list of some terms used in DSPs.

Abbreviations	Definitions
Asset	An asset (or part of an asset) including land and headwork's assets that directly provides, or will provide, the developer services to developments within the DSP area for which the Developer Charge is payable
ADWF	Average dry weather flow. One of the design parameters for flow in sewers.
Capital Charge	Capital cost of assets per ET x Return on Investment (ROI) factor
Capital Cost	The current replacement cost (MEERA basis) of assets used to service the development
CPI	Consumer Price Index
Developer Charge	A charge levied on developers to recover part of the capital cost incurred in providing services to new development and redevelopment
Development Area	That part of a water utility area covered by a particular DSP. Also referred to as a DSP Area
DPI Water	Department of Primary Industries Water. The regulator of LWUs.
DSP	Development Servicing Plan
EP	Equivalent Person
ET	Equivalent Tenement
Guidelines	2016 Developer Charges Guidelines for Water Supply, Sewerage and Stormwater, available from http://www.water.nsw.gov.au/_data/assets/pdf_file/0011/663698/2016-Developer-Charges-Guidelines.pdf
LEP	Local Environment Plan
LGA	Local Government Area
LWU	Local water utility (NSW), a local or county council operating as water utility. In this document LWU has the same meaning as a council operating under the <i>Local Government Act 1993</i>
MEERA	Modern Equivalent Engineering Replacement Asset
N/A	Not Applicable
NPV	Net Present Value
OMA	Operation, maintenance and administration (costs)
Post Asset	An Asset that was commissioned on or after 1st January of the specified year or that is yet to be commissioned

Abbreviations	Definitions
Pre-Asset	An asset that was commissioned by a water utility before 1st January of the specified year
PS	Pumping Stations
PV	Present Value
Reduction Amount	The amount by which the capital charge is reduced to arrive at the developer charge. This amount reflects the present value of the capital contribution that will be paid by the occupier of a development as part of future annual charges
ROI	Return on investment. Represents the income that is, or could be, generated by investing money
Service Area	An area serviced by a separate water supply and sewerage system, a separate small town or village, or a new development of over 500 lots (Note: this is standard terminology from the Guidelines)
STP	Sewage Treatment Plant
TBL	Triple Bottom Line. TBL reports are annual performance report issued by DPI Water.
TBA	To be Advised
TRB	Typical residential bill, which is the principal indicator of the overall cost of a water supply or sewerage system. It is the bill paid by a residential customer using the utility's average annual residential water supplied per connected property, and is not a pensioner
LCC	Lithgow City Council
WSS	Water Supply System
WTP	Water Treatment Plant

3 ADMINISTRATION

3.1 DSP Names and Areas Covered

Table 1: DSP Names and Areas Covered

Water Supply DSP Name	Areas Covered
Lithgow	City of Lithgow
Portland and Wallerawang	Portland and Wallerawang towns
Sewerage DSP Name	Areas Covered
Lithgow	City of Lithgow
Portland	Portland Town
South Bowenfels	South Bowenfels
Wallerawang	Wallerawang Town

The service areas are shown in the maps in Appendix A.

3.2 DSP Boundaries

3.3 General

These DSPs apply to all land in the LCC LGA that is within the water and/or sewerage service areas and will be connected to the water supply and/or sewerage systems after development (subdivision and/or building) or redevelopment (change of use).

These include connection of land with existing residences and/or non-residential building if water and/or sewerage developer charges have not been paid previously, or where redevelopment will increase the demand on the water supply and/or sewerage infrastructure.

3.4 Development outside the Boundaries of the DSP

If a development occurs outside the boundaries of the DSPs, Council may:

- ☐ Prepare a new DSP for the new development; or
- ☐ Extend the boundaries of these DSPs to cover the additional areas; or
- ☐ Enter a special agreement with the developer.

Payment for specific assets that may be required to service the new development will be in accordance with the out-of-sequence development provisions in the Guidelines.

3.5 Application of Developer Charges

Developer charges apply to all building and development activities where Council determines that such activities increase the demand for water supply and/or sewerage services, whether or not such activities require development consent.

When assessing the developer charges applicable to a development or redevelopment, LCC will assess the additional demand that the proposed development will place on the relevant

water supply and/or sewerage systems in terms of ETs and will levy developer charges proportional to the number of ETs.

One ET represents a detached residential dwelling. The minimum demand for each development is 1 ET. The developer charges will be levied on all land within the DSP areas for new development and redevelopment (i.e. change of land use).

The number of ETs in a development is determined using the methodology and definitions as described in the Water Directorate Section 64 Determinations of Equivalent Tenements Guidelines, April 2017. Council envisage to prepare and adopt an ET Policy including the methodology to determine the ET loading of each development. Council's ET Policy will override the Water Directorate Guidelines.

3.6 Out-of-Sequence Development

LWUs plan their infrastructure development according to a desired sequence of development. In some cases, a developer may wish to proceed with a development which is not in the same sequence. If developers were to begin construction prior to Council then they are up for the full capital cost of the assets required. In such cases the assets will be sized by the LWU.

If the asset funded by this developer will serve other future development, the developer should be reimbursed when the LWU collects developer charges from the future development. The LWU and the developer must enter into an agreement stating how the developer will be reimbursed in the future.

3.7 Indexation of Developer Charge

The developer charges will be adjusted on 1 July each year on the basis of movements in the Consumer Price Index (CPI) for Sydney, in the preceding 12 months to December, excluding the impact of GST, as published by the Australian Bureau of Statistics.

3.8 Payment of Developer Charges

Developer charges will be determined and levied in accordance with the provisions of this DSP document at the time of considering an application for a compliance certificate under section 305 of the *Water Management Act 2000* or a construction certificate under Part 6 of the *Environmental Planning and Assessment Act 1979* No 203 or at the time of issuing a notice or other form of written advice, e.g. under the SEPP (Exempt and Complying Development Codes) 2008.

The time limit for payment of developer charges will be included in the notice of determination or will be advised to the developer by a separate notice. The amount of any developer charges not paid within the specified time limit will lapse. Any subsequent determination of developer charges will be made in accordance with Council's then current DSP.

3.9 Developer Charges for Crown Developments

Crown developments for essential community services (e.g. education, health, community services, and law and order) are generally exempt from general developer charges. LWUs may charge these developments only for that portion of the direct connection cost (e.g. for a lead-in main) relating to the Crown development.

Under sections 306 (4) and (5), of the *Water Management Act 2000*, the Minister for Planning may make a determination in regard to developer charges levied on Crown developments.

3.10 Dispute Resolution

Disputes will be resolved in accordance with the provisions of Section 2.9 of the Guidelines. LCC is not a member of the Electricity and Water Ombudsman (EWON).

3.11 Review of DSPs

These DSPs shall be reviewed after 4 to 8 years. If appropriate, new DSPs will be prepared at that time that will replace these DSPs.

A shorter review period is permitted if a major change in circumstances occurs.

4 DEMOGRAPHIC AND LAND USE PLANNING INFORMATION

4.1 Current ETs and ETs Projection

The basic unit of measure to quantify the demand or loading on a water supply or sewerage system is an equivalent tenement (ET). One ET represents the equivalent demand or loading from a detached residential dwelling.

4.2 Water Supply

The LCC's water services are divided into three service areas. LCC provided the 2014/15 water consumption for each serviced area. The 2014/15 Triple Bottom Line Performance Report states that the average residential property in LCC is 132kL per year. This information was used to estimate the number of water ETs for each service area and they are summarised in Table 2.

Council's adopted growth rate for the three service areas is 0.6% p.a. (Source: LCC Strategic Business Plan, September 2014) Water supply ETs projections are shown in Table 2.

Table 2: Estimated Water ETs

Water Service Areas	2014/15 Water Consumption (kL)	2014/15 ETs*
Lithgow	693,171	5,251
Portland	230,233	1,744
Wallerawang	151,275	1,146

*Estimated number of water supply ETs using water consumption records provided by Council, email 9th January 2017

Table 3: Water Supply ETs Projection

Service Area	Estimated No. of ETs Serviced						
	2017/18	2022/23	2027/28	2032/33	2037/38	2042/43	2047/48
Lithgow	5,346	5,509	5,676	5,848	6,026	6,209	6,397
Portland	1,776	1,830	1,885	1,942	2,001	2,062	2,125
Wallerawang	1,167	1,202	1,239	1,276	1,315	1,355	1,396

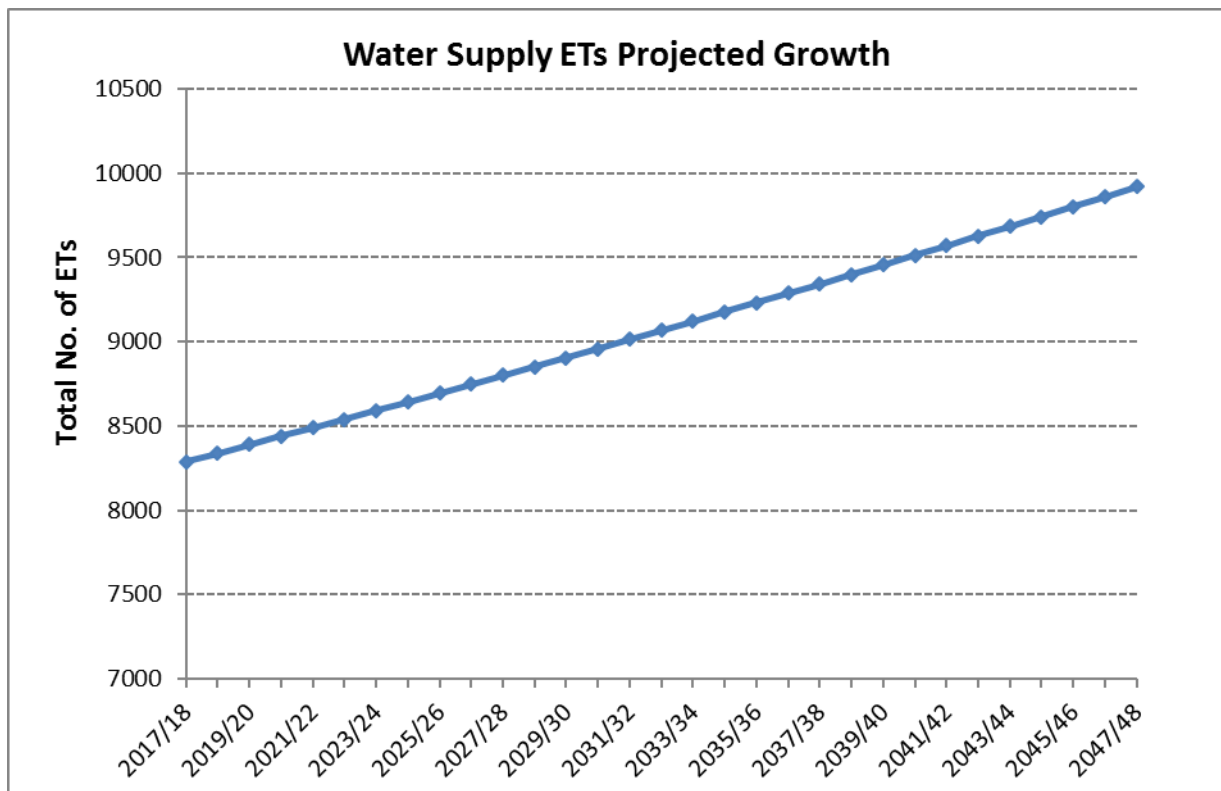


Figure 1: Water Supply ETs Projection

4.3 Sewerage

The LCC's sewerage services are divided into four service areas. South Bowenfels is a new development area in Lithgow Town. The sewerage ETs in Lithgow, Portland and Wallerawang are estimated as a ratio of the metered average dry weather flow (ADWF) in each sewerage treatment plant and the ADWF design capacity of each system multiplied by the occupancy ratio. LCC provided the number of ETs in South Bowenfels new development area. This was extracted from the total number of ETs in Lithgow to estimate the number of ETs within the Lithgow area only.

At the time of the calculations the best available data was 2015/16 inflow records. The estimated number of sewerage ETs in 2015/16 are shown in Table 4.

Council's adopted growth rate for the four service areas is 0.6% p.a. Sewerage ETs projections are shown in Table 5.

Table 4: Estimated Sewerage ETs

Service Area	2015/16 ADWF* (kL/d)	ADWF design capacity (L/EP/d)**	Occupancy ratio***	2015/16 ETs	2017/18 ETs
Lithgow	3427 (incl. SB)	240	2.26	6,318-1,380 = 4,938	4,997
South Bowenfels				1,380	1,397
Portland	542	220	2.35	1,048	1,061
Wallerawang	402	240	2.64	634	642

Source: *daily inflow data provided by Council, 9 January 2017

**Process Design Criteria pdf files

*** DSP Population Projection 2016-2026

Table 5: Sewerage ETs Projection

Service Area	Estimated No. of ETs Serviced						
	2017/18	2022/23	2027/28	2032/33	2037/38	2042/43	2047/48
Lithgow	4,997	5,149	5,305	5,467	5,632	5,804	5,980
South Bowenfels	1,397	1,439	1,483	1,528	1,575	1,622	1,672
Portland	1,061	1,093	1,126	1,161	1,196	1,232	1,270
Wallerawang	642	662	682	702	724	746	768

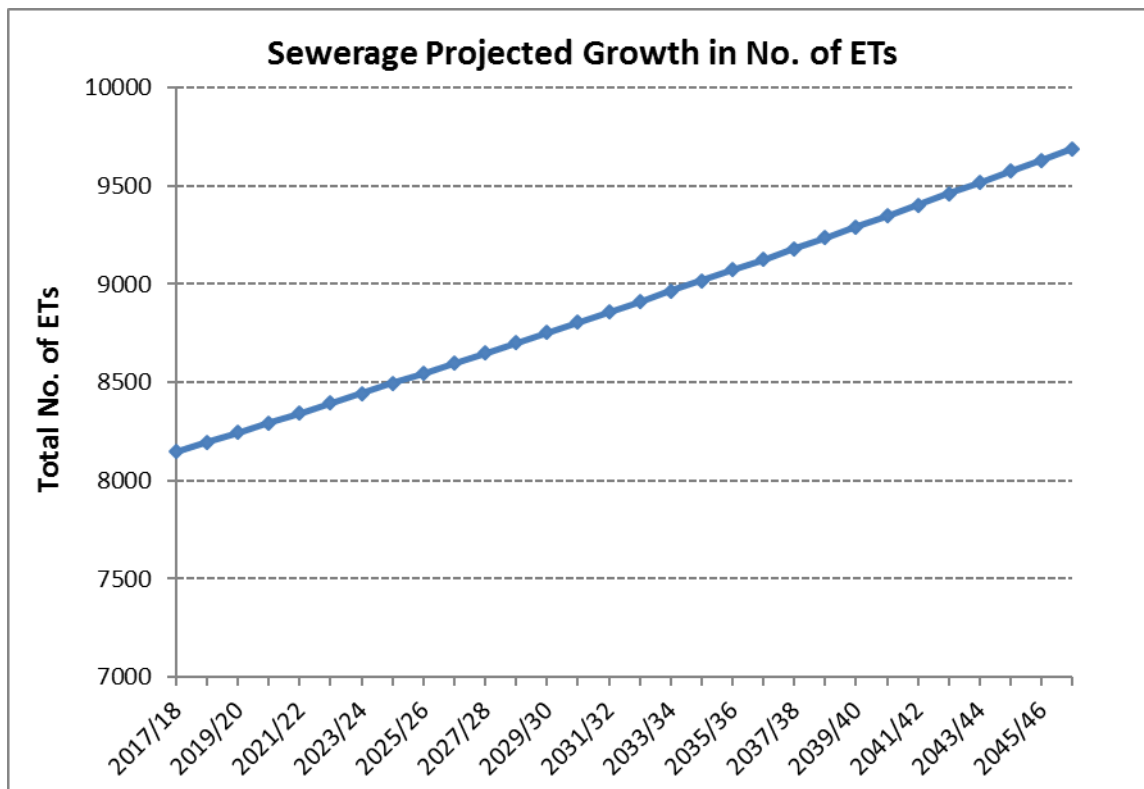


Figure 2: Sewerage Serviced ETs Projection

4.4 Land Use Information

These DSPs for water supply and sewerage should be read in conjunction with the Local Environment Plan (LEP), Development Control Plan (DCP) and other planning instruments used by LCC.

5 INFRASTRUCTURE

5.1 Water Supply

These DSPs include three water supply service areas as listed below.

- ❑ Lithgow
- ❑ Portland
- ❑ Wallerawang

LCC operates the Lithgow Water Supply Scheme, which services the City of Lithgow. The other two service areas receive water from the Fish River Water Supply Scheme. Only the components of the Portland & Wallerawang schemes that are owned and operated by LCC are included in the calculations. The components of the FRWSS are excluded from the calculations.

5.2 Existing Assets

All the existing assets servicing LCC water supply service areas are included in the capital charge calculations except for the following:

- ❑ Assets that are more than 30 years old at the commencement of the DSP
- ❑ Reticulation assets which are typically paid for by developers. Reticulation assets are defined as the local pipes providing water supply to individual properties.

The existing assets servicing the areas covered by the water supply DSPs are listed in Table 1 of Appendix B (LCC 2018 DSP Background Document for Water Supply). A summary of the existing assets is provided in Table 6.

Table 6: Water Supply Existing Assets

Service Areas	Current Replacement Cost (2017/18 \$'000)	
	All Existing Assets	Existing Assets Included in DSPs*
Lithgow	76,749	9,446
Portland	3,830	568
Wallerawang	8,178	334
Shared	207	207

Note: Asset valuations exclude contingencies.

*Excluding reticulation and assets more than 30 years old (Source: Source: Lithgow Valuation Report, August 2017).

5.3 Future Capital Works Program

According to the Guidelines, the calculation of capital charge includes the cost for new works planned within the next 10 years, excluding reticulation. If Council has developed detailed plans beyond 10 years, capital cost of those items can be considered for the capital charge calculation. In these DSPs, 10 years of new works are included in the calculations.

Capital works for renewals planned within the next 10 years may be included if the existing asset is older than 30 years and/or have been removed from the asset register. For this DSP it has been assumed that the capital works for renewals are assigned to assets older than 30 years and are therefore included in the calculation.

The 10 year capital works program required to provide water supply services to the LCC service areas are provided in Table 2 of Appendix B (LCC 2018 DSP Background Document for Water Supply). The capital works program has been developed as part of LCC's Strategic Asset Management Plan. Estimates on the capital works program include contingencies.

A summary of the water supply capital works program is provided in Table 7.

Table 7: Summary of Water Supply 10 Year Capital Works

Service Area	Estimated Cost (2017/18 \$'000)		
	Renewals	New Work	Total
Lithgow	11,850	10,000	21,850
Portland	0	0	0
Wallerawang	0	0	0
Shared	8,035	542	8,577

(Source: LCC Water Capital Works Program, September 2017)

The 10 year capital works program for water supply is shown in Figure 3. Timing of works and expenditure is to be reviewed and updated when required.

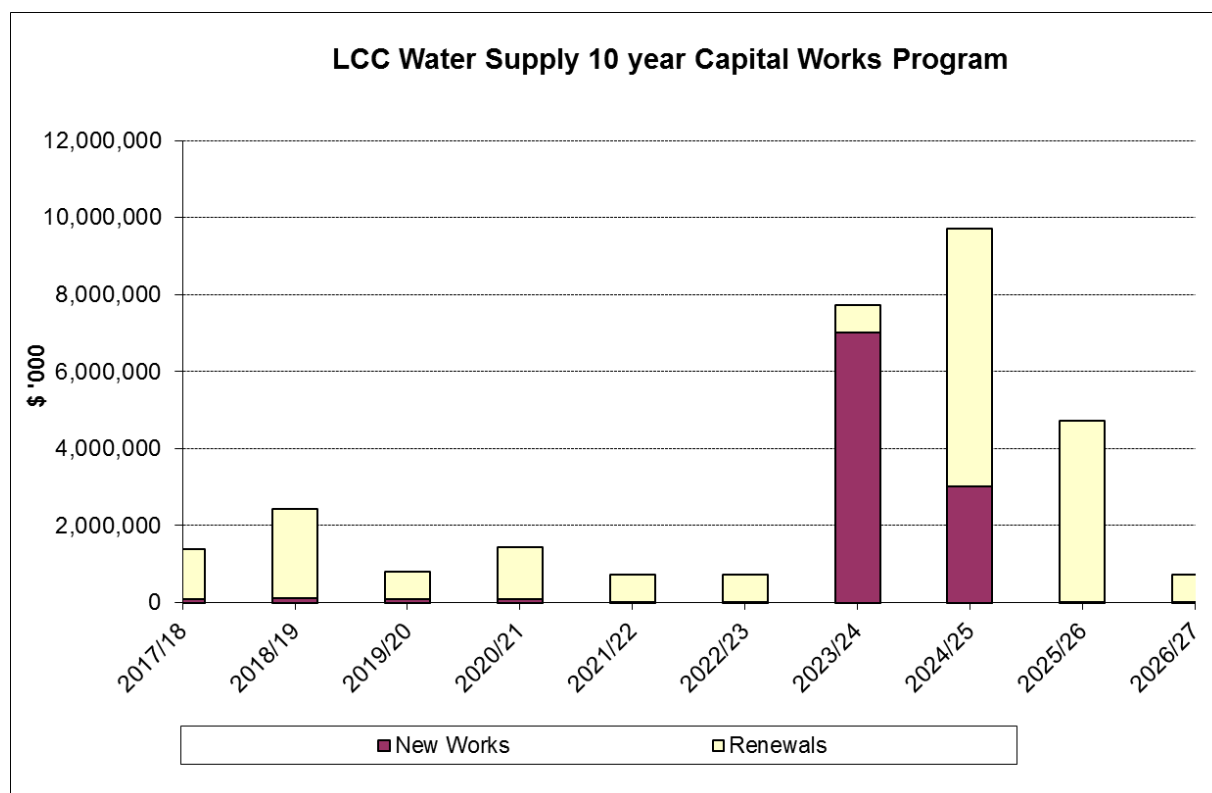


Figure 3: LCC Water Supply 10 Year Capital Works Program

5.4 Sewerage

LCC operates three sewerage systems. These DSPs include four sewerage service areas as listed below.

- ❑ Lithgow
- ❑ South Bowenfels (new development area)
- ❑ Portland
- ❑ Wallerawang

5.5 Existing Assets

All the existing assets serving LCC sewerage service areas are included in the capital charge calculations except for the following:

- ❑ Assets more than 30 years old at the commencement of the DSP
- ❑ Reticulation assets which are typically paid for by developers. Reticulation assets are defined as the local pipes connecting individual properties.

The existing assets servicing the area covered by the sewerage DSPs are listed in Table 1 of Appendix C (LCC 2018 DSP Background Document for Sewerage). A summary of the existing assets is provided in Table 8.

Table 8: Sewerage Existing Assets

Service Areas	Current Replacement Cost (2017/18 \$'000)	
	All Existing Assets	Existing Assets Included in DSPs*
Lithgow	31,229	2,767
South Bowenfels (SB)	10,039	2,842
Portland	13,130	336
Wallerawang	17,444	9,344
Shared by all areas	208	208
Shared Lithgow and South Bowenfels	37,723	21,679

Note: Asset valuations exclude contingencies.

*Excluding reticulation and assets more than 30 years old (Source: Lithgow Valuation Report, August 2017).

5.6 Future Capital Works Program

According to the Guidelines, the calculation of capital charge includes capital cost for new works planned within the next 10 years, excluding reticulation. If Council has developed detailed plans beyond 10 years, capital cost of those items can be considered for the capital charge calculation. In these DSPs, 10 years of new works are included in the calculations.

Capital works for renewal planned within the next 10 years may be included if the existing asset is older than 30 years and/or have been removed from the asset register. For these DSPs it has been assumed that the capital works for renewals are assigned to assets older than 30 years and are therefore included in the calculation.

The 10 year capital works program required to provide sewerage services to the LCC sewerage service areas are provided in Table 2 of Appendix C (LCC 2018 DSP Background Document for Sewerage). The capital works program has been developed as part of LCC's Strategic Asset Management Plan. Estimates on the capital works program include contingencies

A summary of sewerage capital works program is provided in Table 9.

Table 9: Summary of Sewerage 10 Year Capital Works

Service Area	Estimated Cost (2017/18 \$'000)		
	Renewals	New Works	Total
Lithgow	2,900	0	2,900
South Bowenfels	5,460	12,740	18,200
Portland	7,883	5,255	13,139
Wallerawang	0	0	0
Shared by all areas	6,825	200	7,025

(Source: LCC Sewerage Capital Works Program, May 2017)

The 10 year capital works program for sewerage is shown in Figure 4. Timing of works and expenditure are to be reviewed and updated when required.

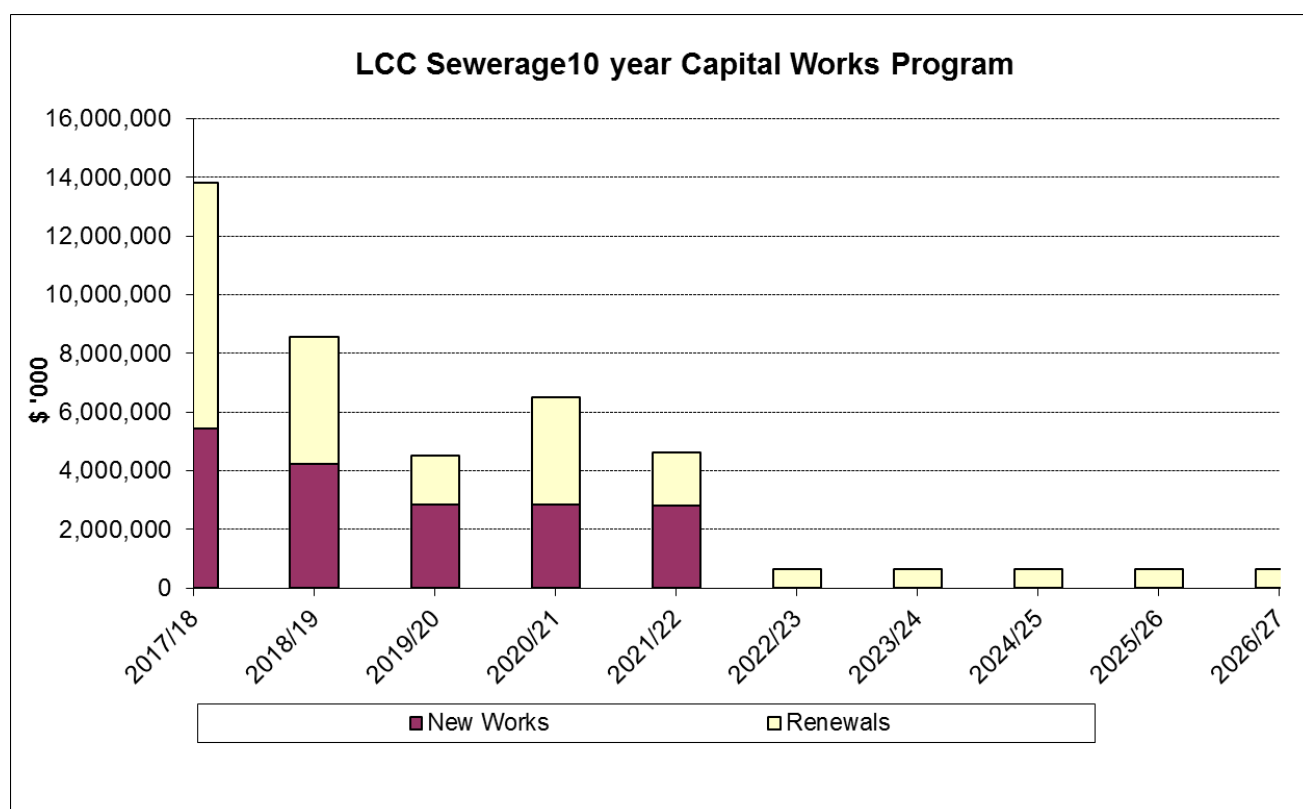


Figure 4: LCC Sewerage 10 Year Capital Works Program

6 LEVELS OF SERVICE

6.1 Water Supply

The Levels of Service are the targets, which Council aims to meet; they are not intended as a formal customer contract.

LCC's target for water supply levels of service (LOS), listed in Table 10 below, are sourced from LCC Strategic Business Plan for Water Supply and Sewerage. These have been adopted after consultation with Councillors, on behalf of the community.

Table 10: Levels of Service for Water Supply

DESCRIPTION	UNIT	LOS Target
AVAILABILITY OF SERVICE		
Normal Quantity Available:		
Domestic Peak day	L/tenement/ day	2500
Domestic Annual Consumption	kL/tenement/ year	170
Total Annual Consumption	ML/year	2500
Total Peak Daily Consumption	ML/day	20 (23 max 10 years)
Peak/Average consumption	Ratio	2.9
Pressure:		
Min. pressure when delivering 0.1L/sec	Metres	30
Max. static pressure	Metres	150
Firefighting:		
Compliance with the Water Supply Investigation Manual* (AS 2419.1 classifications 2,3,4.& 9 with floor area less than 1000 m ²)	% area served	100
CONSUMPTION RESTRICTIONS IN DROUGHTS:		
Level of restriction applied through a repeat of the worst drought on record	Restriction as % of normal usage	10
Average duration of restrictions	Months/ 10 years	6
Average frequency of restrictions	No./ 10 year	1
SUPPLY INTERRUPTIONS TO CUSTOMERS:		
Planned		
Notice given to domestic customers*	Days	7
Notice given to commercial customers*	Days	7

DESCRIPTION	UNIT	LOS Target
Notice given to industrial customers*	Days	14
Maximum Duration	Hours/event	6hr/event
Frequency	No./Year/1000 customer	10
Unplanned		
Water main breaks	No./100 km/Year	20
Average duration	Hours/event/Year	4
Frequency	No./ per 1000 connections/Year	12
Response Times for Service Interruptions*		
time to have staff on-site commence work after notification		
Priority 1 (Failure to maintain continuity or quality of supply to a large number of customers or to a critical user at a critical time)		
All Customers	Minutes	
During working hours		60
Out of working hours		90
Priority 2 (Failure to maintain continuity or quality of supply to a small number of customers or to a non- critical user at a non-critical time)		
All Customers	Minutes	
During working hours		60
Out of working hours		90
Priority 3 (Failure to maintain continuity or quality of supply to a single customer)		
All Customers	Minutes	
During working hours		60
Out of working hours		90
CUSTOMER FEEDBACK/ COMPLAINTS@		
Complaints Received		
Water quality complaints	No./ 1000 connections/Year	5
Service complaints		6
Billing and account complaints		3
Other complaints		2
Response Times for Feedback/ Complaints		
Percentage of calls answered by an operator within 30 seconds@*		
General complaints and inquiries:		
Written Complaints*	Working Days	5

DESCRIPTION	UNIT	LOS Target
Personal/ oral complaints	Working Days	1
ENVIRONMENT		
Net greenhouse gas emissions(Water and Sewerage) [@]	Tonnes CO2 equivalent/1000 properties	220
WATER QUALITY		100%
Meet ADWG (NHMRC, 2011)		

@ - NWI Performance Indicators

* - Times apply for 95% of incidents

Source: LCC Strategic Business Plan Water Supply and Sewerage, 2013-14

6.2 Sewerage

The Levels of Service are the targets, which Council aims to meet; they are not intended as a formal customer contract.

LCC's target for water supply levels of service (LOS), listed in Table 11 below, are sourced from LCC Strategic Business Plan for Water Supply and Sewerage. These have been adopted after consultation with Councillors, on behalf of the community.

Table 11: Levels of Service for Sewerage

DESCRIPTION	UNIT	LOS Target
SERVICE AVAILABILITY		
Extent of area serviced	% Service area	100
SYSTEM FAILURES (OVERFLOWS TO THE ENVIRONMENT)		
Category One		
Failure due to rainfall and deficient capacity [@]	No./100 km/Year	12
Category Two		
Failure due to pump or other breakdown including power failure	No./100 km/Year	2
Category Three		
Failure due to main blockages and collapses [@]	No./100 km/Year	150
RESPONSE TIMES FOR SYSTEM FAILURES* time to have staff on-site commence work after notification		
Category One		
Failure due to rainfall and deficient capacity [@]		
All Customers		
- During working hours*	Minutes	60
- Out of working hours*		90
Category Two (Failure due to pump or other breakdown including power failure)		
All Customers		
- During working hours*	Minutes	60
- Out of working hours*		90
Category Three (Failure due to main blockages and collapses [@])		
All Customers		
- During working hours*	Minutes	60
- Out of working hours*		90

DESCRIPTION	UNIT	LOS Target
CUSTOMER FEEDBACK/ COMPLAINTS@		
Complaints received	No./ 1000 connections/Year	
Service complaints		10
Odour Complaints		1
- Treatment works (outside		0
- Pumping Stations		1
- Reticulation system		0
Billing and account complaints		1
Other complaints		1
Response Times for Feedback/ Complaints		
Average connect time to a telephone	Seconds	<30
General complaints and inquiries:		
- Written Complaints*	Working Days	5
- Personal/ oral complaints*	Working Days	1
ENVIRONMENT@		
Recycle/ reuse of wastewater (dry	% total volume of	5
Sewage treated to:	% of total volume of	
- Primary level only	sewage treated	
- Secondary level only		
- Tertiary		100%
Effluent discharge compliance with	% of samples/year	100%
Net greenhouse gas emissions(Water	Tonnes CO2 equivalent/	220

@ - NWI Performance Indicators

* - Times apply for 95% of incidents

Source: LCC Strategic Business Plan Water Supply and Sewerage, 2013-14

7 DESIGN PARAMETERS

Investigation, design and construction of water supply components are based on:

- ❑ Council's levels of service (Refer to section 6 above)
- ❑ Water Supply Investigation Manual (1986)
- ❑ WSAA water supply code of Australia - WSA 03 2002
- ❑ Plumbing Code of Australia
- ❑ AS3500 Part 1 and 2
- ❑ NSW Water Directorate guidelines
- ❑ Lithgow Strategic Asset Management Plan, 2017/18 - 2026/27

Investigation, design and construction of sewerage components are based on:

- ❑ Council's levels of service (Refer to section 6 above)
- ❑ Manual of Practice: Sewer Design (1987)
- ❑ Manual of Practice: Sewage Pumping Station Design (1986)
- ❑ WSAA Sewerage Code of Australia - WSA 02-2002
- ❑ WSAA Pressure Sewerage Code of Australia - WSA 07 - 2007
- ❑ Lithgow Strategic Asset Management Plan, 2017/18 - 2026/27

LCC indicated that they are currently preparing a Total Asset Management Plan.

8 DEVELOPER CHARGES METHODOLOGY

8.1 Timeline

Figure 5 illustrates the timeline of the DSP calculation, including the discounting of existing assets, future assets and ETs.

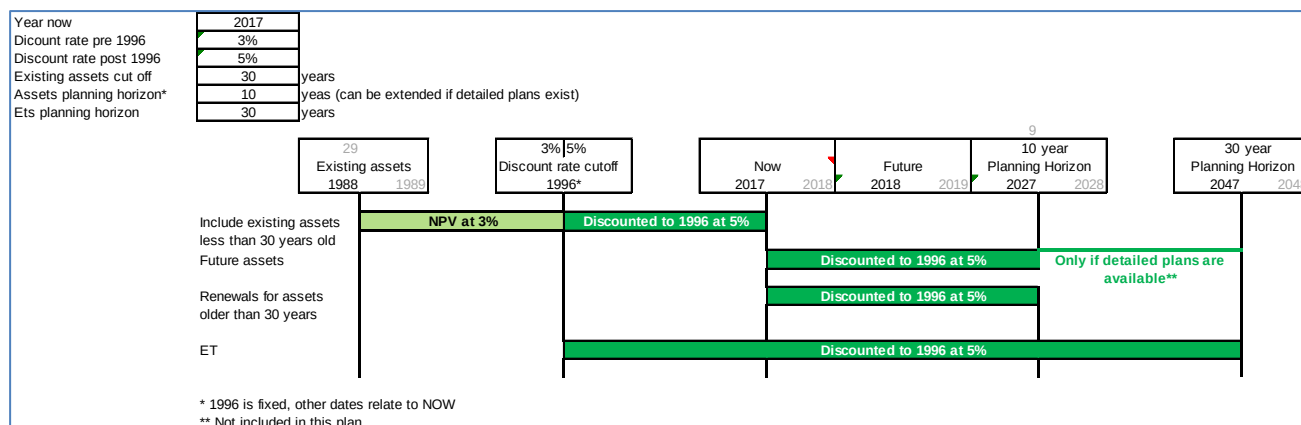


Figure 5: DSP Calculation Timeline

8.2 Capital Charge

The capital charges are calculated for LCC water supply and sewerage service areas based on the existing and future assets providing the services to these areas. The capital charge is calculated per ET by dividing PV of effective capital cost of the assets by the PV of number of new ETs.

Effective capital cost is the percentage of capital cost utilised by the post 1995/96 new ETs.

The outcomes of water supply capital charges calculation are provided in Table 3 in Appendix B and summarised in section 9. The outcomes of sewerage capital charges calculations are provided in Table 3 in Appendix C and summarised in section 10.

Generally, the capacity of an asset would not be fully utilised until some years after construction of the asset. The capital charge calculation takes account of the period to full take-up of the capacity of the asset.

The Return on Investment (ROI) is based on the holding cost of early investment and recovery of the cost over time. The annual payments have to provide a return on the investment to reflect the discounting of future payments. In accordance with IPART's Determination 9, 2000, the capital charges are calculated based on the discount rates listed in Table 12.

Table 12: Discount Rates Used in the Capital Charge Calculation

Assets	Discount Rate
Pre-1996 assets	3% pa
Post 1996 assets	5% pa

8.3 Exclusions

The developer charges do not cover the costs of reticulation and assets more than 30 years old.

LCC does not levy charges for the construction of reticulation pipework upon completion of the development.

8.4 Reduction Amount

The reduction amount represents the portion of the cost of assets that LCC expects to recover through its annual bills to the new developments.

Council has adopted the Net Present Value (NPV) of annual bills method to calculate the reduction amount. This method calculates the reduction amount as the NPV of 30 years net income from annual charges (revenue from annual bills less OMA) for the development area.

8.5 Developer Charges and Implementation

Developer charge is the capital charge minus the reduction amount. The outcomes of the water supply and sewerage developer charges calculations are included in sections 9 and 10 respectively.

8.6 Levying Lower Charges

In setting the developer charges, LCC may consider financial, social and environmental factors to determine a level of developer charges that is balanced, fair and meet Council's objectives.

Council may adopt developer charges that are lower than the calculated developer charges. LCC water supply and sewerage adopted developer charges are provided in sections 9.3 and 10.3 respectively.

Adopting developer charges that are lower than the calculated amount means that existing residents subsidise new development. The extent of this cross subsidy needs to be disclosed in the DSP.

9 WATER SUPPLY DSPs

9.1 Scope

The water supply services are divided into three service areas. The boundaries of the water supply service areas are shown in Appendix A.

9.2 Capital Charge

All the existing assets (excluding assets older than 30 years and reticulation) and future capital works (10 years) required to service LCC water service areas have been included in the calculation of the capital charge. Current and future shared assets are included in the calculation. The shared assets service all three service areas and the capital charge component of the shared assets is the same for the three service areas.

The percentage of capital cost of assets utilised by new ETs after 1995/96 are considered for the capital charge calculation. The calculated capital charges for the water supply service areas are summarised in Table 13 and Table 14. Detailed calculation is provided in Table 3 of Appendix B.

Table 13: Water Supply Effective Capital Cost

Service Areas	Capital Cost (2017/18 \$'000)		Percent of Capital Cost Utilised by ETs after 1995/96	Effective Capital Cost (2017/18 \$'000)	
	Existing Assets	10 Year Future Capital Works		Existing Assets	10 Year Future Capital Works
Lithgow	9,445	21,850	27.2	2,572	5,950
Portland	568	0	27.2	155	0
Wallerawang	334	0	27.2	91	0
Shared *	207	8,577	27.2	56	2,335

Note: Calculation rounding errors may be applied

*Assets that will service all areas

Table 14: Water Supply Capital Charge

Service Areas	PV of Effective Capital Cost (2016/17 \$'000)		PV of new ETs		Capital Charge per ET (2017/18 \$)
	Pre-1996 Assets	Post 1996 Assets (existing + future)	@3%	@5%	
Lithgow	0	2,703	879	627	4,315
Portland	155	0	292	208	530
Wallerawang	56	15	192	137	406
Shared	0	717	1364	972	737
Capital Charge for each service area including shared assets		Lithgow			5,052
		Portland			1,268
		Wallerawang			1,144

Note: Calculation rounding errors may be applied

9.3 Developer Charge

Where the capital charges of two or more service areas are within 30%, they are agglomerated into a single DSP. One agglomeration was required: Portland and Wallerawang are agglomerated into one single DSP. See table 4 in Appendix B for detailed agglomeration analyses.

Developer charge is the capital charge minus the reduction amount. Developer charge detailed calculation is provided in Table 4 in Appendix B.

The reduction amount calculation methodology is provided in section 8.4 and detailed calculation is provided in Table 5 of Appendix B.

LCC water supply calculated developer charges are summarised in Table 15 and Table 16. The proposed developer charges are provided in Table 17.

Table 15: Water Supply Weighted Capital Charge (2017/18\$)

Service Areas	Capital Charge	DSP	PV of New ETs	% of PV of new ETs in each DSP area	Weighted Capital Charge for each service area
	\$ per ET				\$ per ET
Lithgow	5,052	WDSP1	524	100%	5,052
Wallerawang	1,144	WDSP2	174	60.3%	690
Portland	1,268		114	39.7%	503

Table 16: Water Supply Calculated Developer Charges (2017/18\$)

DSP Areas	Weighted Capital Charge	Reduction Amount	Calculated Developer Charge
	\$ per ET		
Lithgow	5,052	2,194	2,858
Portland and Wallerawang	1,193		0

Table 17: Water Supply Developer Charges (2018/19\$)

DSP Areas	Calculated Developer Charge	Council Proposed Developer Charge
	\$ per ET	
Lithgow	2,921	2,921
Portland & Wallerawang	0	0

Note: 2018/19 Developer Charge is calculated using Sydney CPI for June 2016 to June 2017 of 2.2%

9.4 Cross-Subsidy

No cross-subsidy from existing customers is proposed.

10 SEWERAGE DSPs

10.1 Scope

The sewerage services are divided into four service areas. The boundaries of the sewerage service areas are shown in Appendix A.

10.2 Capital Charge

All the existing assets (excluding more than 30 years old assets and reticulation) and new capital works (10 years) required to provide sewerage services have been included in the capital charge calculation. Current and future shared assets are included in the calculation. The shared assets service all four service areas and the capital charge component of the shared assets is the same for the four service areas.

The percentage of capital cost of assets utilised by new ETs after 1995/96 are considered for the capital charge calculation. The calculated capital charges for each service area are summarised in Table 18 and Table 19. Detailed calculation is provided in Table 3 of Appendix C.

Table 18: Sewerage Effective Capital Cost

Service Areas	Capital Cost (2017/18 \$'000)		Percentage of Capital Cost Utilised by ETs after 1995/96	Effective Capital Cost (2017/18 \$'000)	
	Existing Assets	10 Year Future Capital Works		Existing Assets	10 Year Future Capital Works
Lithgow	2,767	2,900	27.2	753	789
South Bowenfels (SB)	2,842	18,200	27.2	774	4,956
Portland	337	13,139	27.2	92	3,577
Wallerawang	9,344	0	27.2	2,544	0
Shared by all	208	7,025	27.2	56	1,913
Shared Lithgow and SB	21,679	0	27.2	5,903	0

Note: Calculation rounding errors may be applied

*Assets that will service all areas

Table 19: Sewerage Capital Charge

Service Areas	PV of Effective Capital Cost (2017/18 \$'000)		PV of new ETs		Capital Charge per ET (2017/18 \$)
	Pre-1996 Assets	Post 1996 Assets (existing + future)	@3%	@5%	
Lithgow	364	559	821	584	1,400
South Bowenfels (SB)	238	1,895	230	163	12,636
Portland	0	1,291	174	124	10,408
Wallerawang	0	1,262	105	75	16,813
Shared by all areas	0	583	1,331	948	615
Shared by Lithgow and SB	0	2,824	1,051	748	3,777
Capital Charge for each service area including shared assets		Lithgow			5,792
		South Bowenfels			17,028
		Portland			11,024
		Wallerawang			17,428

Note: Calculation rounding errors may be applied

10.3 Developer Charge

Where the capital charges of two or more service areas are within 30%, they are agglomerated into a single DSP. One agglomeration was required: Wallerawang and South Bowenfels.

However, Council wishes to remove obstacles for development in Wallerawang, where the calculated developer charge is high in relation to the cost of land. Council therefore proposes to provide a cross-subsidy to development in Wallerawang in order to avoid wasted development potential in the town. This does not apply to South Bowenfels, therefore Council opted for not agglomerating these 2 areas. Hence, LCC has four sewerage DSPs. See table 4 in Appendix C for detailed agglomeration analyses.

Developer charge is the capital charge minus the reduction amount. Developer charge detailed calculation is provided in Table 4 in Appendix C.

The reduction amount calculation methodology is provided in section 8.4 and the calculation is provided in Table 5 of Appendix C.

LCC sewerage calculated and proposed developer charges are provided in Table 21 and Table 22.

Table 20: Sewerage Weighted Capital Charge (2017/18\$)

Service Areas	Capital Charge	DSP	PV of New ETs	% of PV of new ETs in each DSP area	Weighted Capital Charge for each service area
	\$ per ET				\$ per ET
Wallerawang	17,428	SDSP1	63	100%	17,428
South Bowenfels	17,028	SDSP2	104	100%	17,028
Portland	11,024	SDSP3	137	100%	11,024
Lithgow	5,792	SDSP4	490	100%	5,792

Table 21: Sewerage Calculated Developer Charges (2017/18\$)

DSP Areas	Weighted Capital Charge	Reduction Amount	Calculated Developer Charge
	\$ per ET		
Wallerawang	17,428	3,121	14,308
South Bowenfels	17,028		13,907
Portland	11,024		7,903
Lithgow	5,792		2,671

Table 22: Sewerage Developer Charges (2018/19\$)

DSP Areas	Calculated Developer Charge	Council Proposed Developer Charge
	\$ per ET	
Wallerawang	14,622	9,622
South Bowenfels	14,213	14,213
Portland	8,077	8,077
Lithgow	2,730	2,730

Note: 2018/19 Developer Charge is calculated using Sydney CPI for June 2016 to June 2017 of 2.2%

10.4 Cross-Subsidy

As is shown in Table 22, Council proposes to reduce the charges for the Wallerawang area. The reason is that that Council considers that the calculated charge are cost-prohibitive and would have discouraged development in this area.

The developer charges income difference needs to be subsidised by existing customers through annual bills (i.e. typical residential bill - TRB). To balance the difference in income from the calculated developer charge and proposed developer charge, Council will need to increase the TRB as shown in Table 23. TRB impact is graphically shown in Figure 6.

The cross-subsidy, resulting from capping of developer charges must be disclosed in the DSP, the utility's Annual Report, annual Operational Plan and in communication materials for consultation with stakeholders

Table 23: Impact of Cross-Subsidies on Sewerage Typical Residential Bill

Option	Required Annual TRB (2016/17 \$)	TRB Difference	Resulting Increase in TRB (%)
Calculated- Weighted Average Developer Charge - \$6,100	\$878*	-	-
Proposed- Weighted Average Developer Charge - \$5,704	\$880	\$2	0.3%

*Source: Lithgow City Council TBL Sewerage Performance Report 2014-15

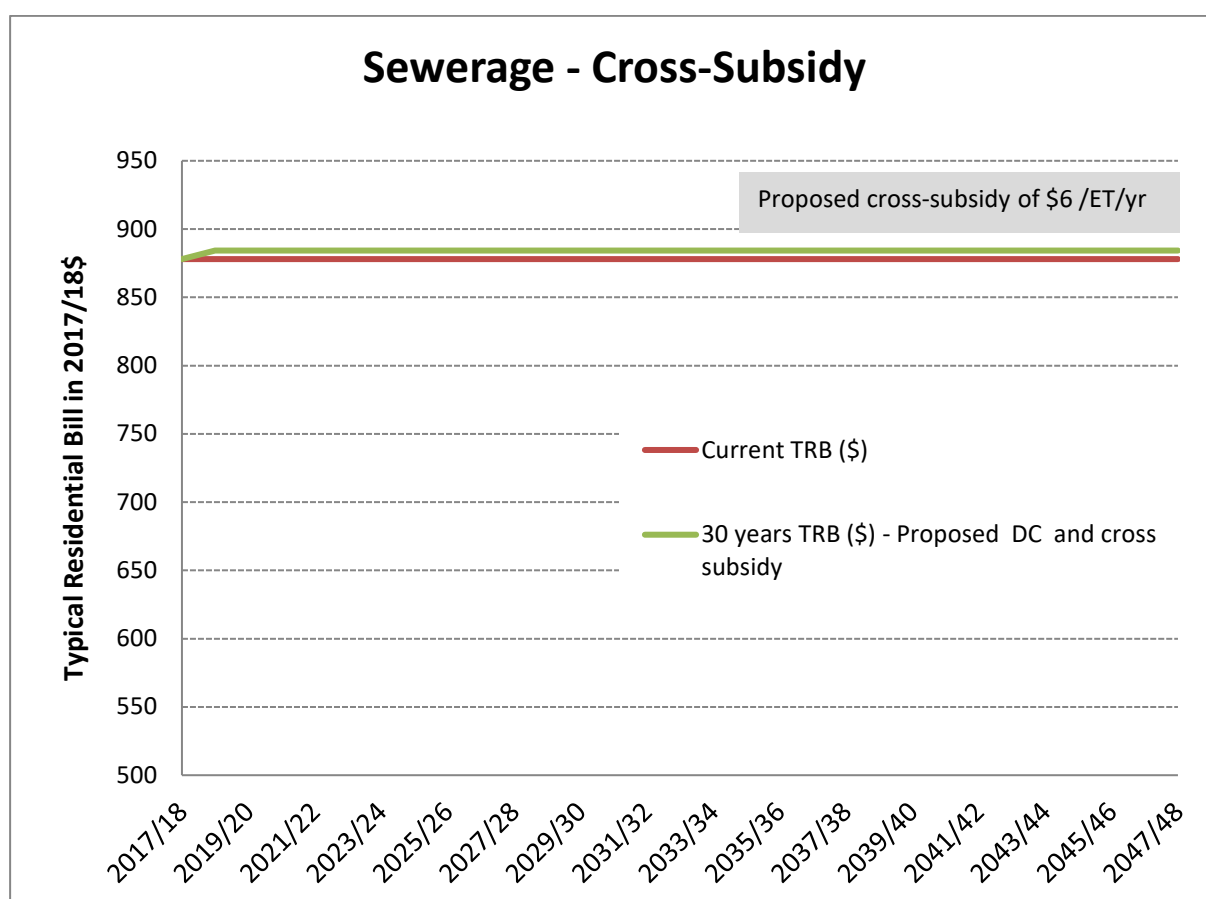


Figure 6: Impact of Lower Developer Charge on Sewer TRB

11 REVIEWING/UPDATING OF CALCULATED DEVELOPER CHARGES

Developer charges relating to these DSPs shall be reviewed by the LWU after a period of 4 to 8 years.

Developer charges will be those charges determined by Council from time to time and will be published in Council's Annual Fees and Charges.

In the period between any reviews, developer charges will be adjusted as described in section 3.7 of this report.

12 BACKGROUND DOCUMENTS

Background information and calculations related to these DSPs are available in the following documents:

1. Developer Charges Guidelines for Water Supply, Sewerage and Stormwater - 2016, published by Department of Primary Industries, DPI Water. For link refer to the Glossary2).
2. LCC 2018 DSP Background Document for Water Supply (Appendix B).
3. LCC 2018 DSP Background Document for Sewerage (Appendix C).
4. LCC Water Supply TBL Performance Report (2014/15).
5. LCC Sewerage TBL Performance Report (2014/15).
6. LCC Strategic Business Plans for Water Supply and Sewerage Services including Financial Plan (Final February 2015)
7. LCC Special Schedules 3 to 6, June 2017.

Note: These background documents contain detailed calculations for the capital charges, reduction amount and developer charges, including asset commissioning dates, size/length of assets, MEERA valuation of assets, 10 years capital works program, assets current and future capacities.

To receive copies of the documents 4, 5 and 6 please contact the water supply and sewerage section of Lithgow City Council. Document 7 is part of Council's financial reports, available from Council's Web site.

13 OTHER DSPs AND RELATED CONTRIBUTION PLANS

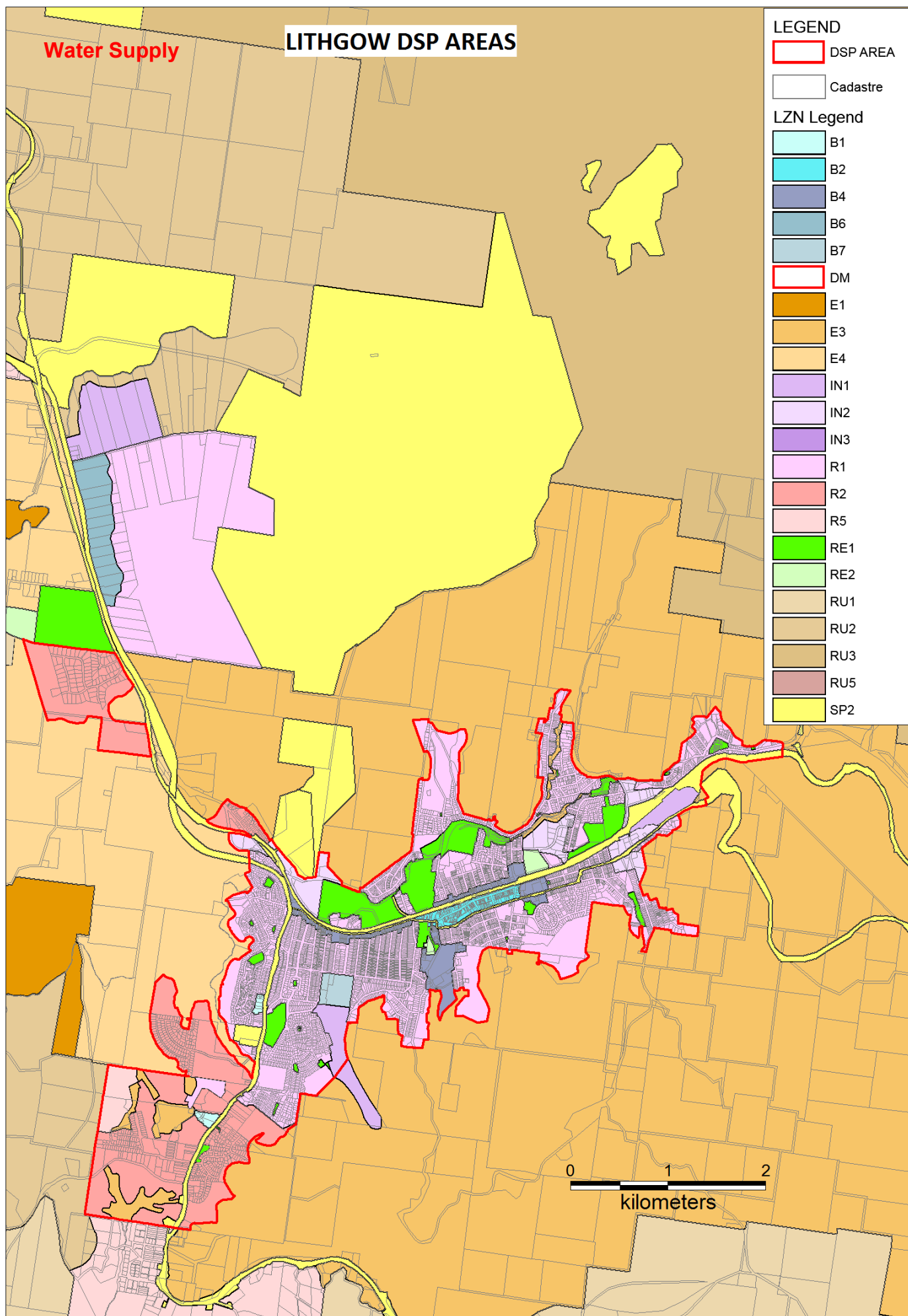
Other related plans include:

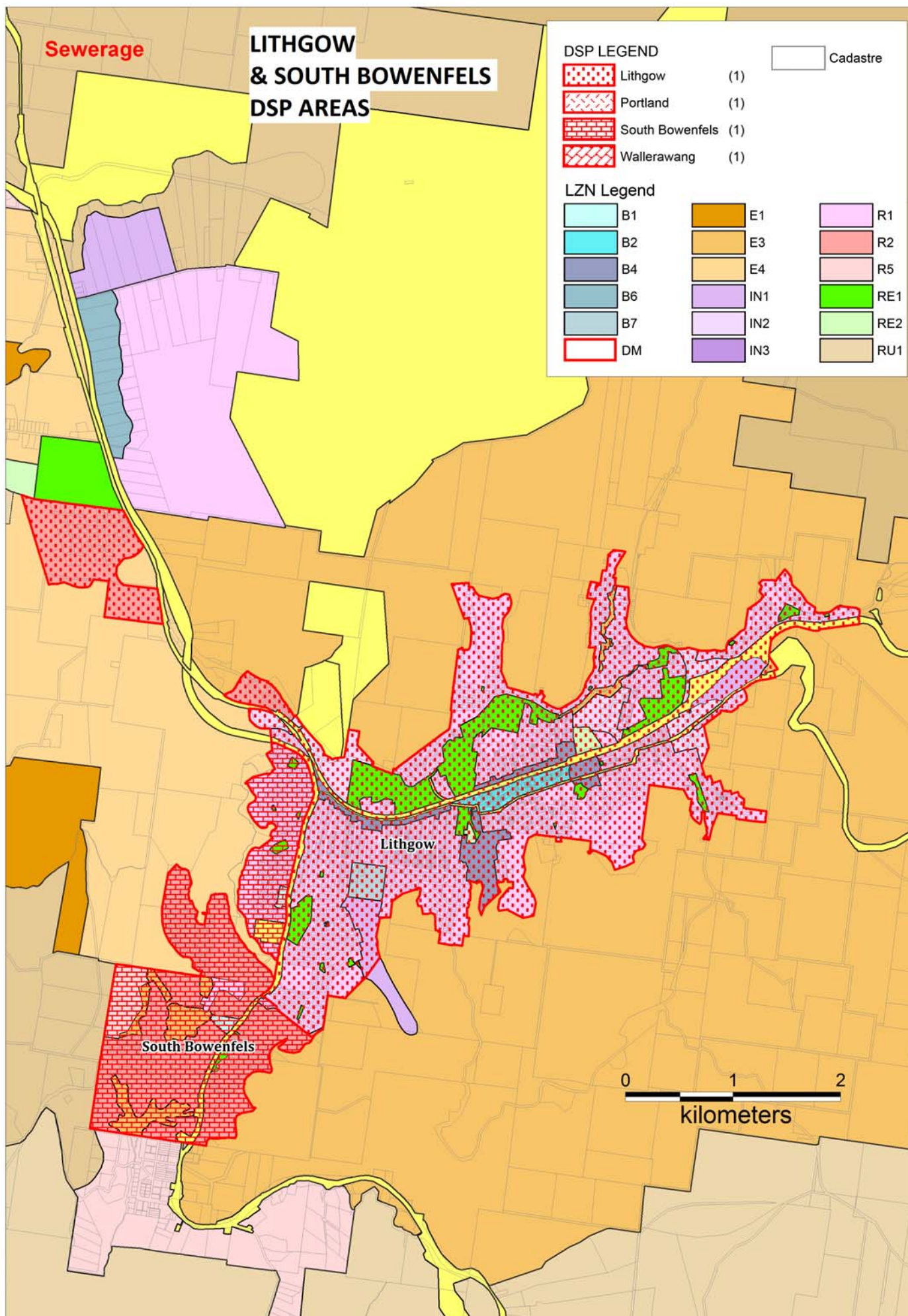
- ❑ S94 plans developed by Lithgow City Council



APPENDIX A

SERVICE AREA MAPS FOR WATER SUPPLY AND SEWERAGE





PORTLAND DSP AREAS

LEGEND

DSP AREA

Cadastre

LZN Legend

B1

B2

B4

B6

B7

DM

E1

E3

E4

IN1

IN2

IN3

R1

R2

R5

RE1

RE2

RU1

RU2

RU3

RU5

SP2

0 0.5 1
kilometers

WALLERAWANG DSP AREAS

LEGEND

DSP AREA

Cadastre

LZN Legend

B1

B2

B4

B6

B7

DM

E1

E3

E4

IN1

IN2

IN3

R1

R2

R5

RE1

RE2

RU1

RU2

RU3

RU5

SP2

0 0.5 1
kilometers



APPENDIX B

BACKGROUND DOCUMENT FOR WATER SUPPLY DSP 2018

The background document comprises:

Table 1 – Existing Assets

Table 2 – Future Assets

Table 3 – Capital Charge Calculation

Table 4 – Developer Charge Calculation

Table 5 – Reduction Amount Calculation

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Water Pump Station 100m	Water Pump Station	Clarence Water Transfer Scheme Bottom WPS		1997	\$ 1,125,193	\$ 1,149,947	\$ 1,149,947	\$ 1,149,947	\$ 1,149,947	\$0	\$0	\$0	\$0
Lithgow	Conventional Pump Station 100m	Water Pump Station	Clarence Water Transfer Scheme Bottom WPS		2014	\$ 424,592	\$ 424,592	\$ 424,592	\$ 424,592	\$ 424,592	\$0	\$0	\$0	\$0
Lithgow	Water Pump Station 100m	Water Pump Station	Clarence Water Transfer Scheme Top WPS		2014	\$ 400,320	\$ 400,320	\$ 400,320	\$ 400,320	\$ 400,320	\$0	\$0	\$0	\$0
Lithgow	Water Pump Station 100m	Water Pump Station	Clarence Water Transfer Scheme Top WPS		2014	\$ 951,815	\$ 951,815	\$ 951,815	\$ 951,815	\$ 951,815	\$0	\$0	\$0	\$0
Lithgow	Trunk	Water Mains	CWTS Bottom - CWTS Top		2014	\$ 548,434	\$ 548,434	\$ 548,434	\$ 548,434	\$ 548,434	\$0	\$0	\$0	\$0
Lithgow	Trunk	Water Mains	CWTS Top - No 2 Dam		2014	\$ 133,555	\$ 133,555	\$ 133,555	\$ 133,555	\$ 133,555	\$0	\$0	\$0	\$0
Lithgow	Trunk	Water Mains	CWTS Top - No 2 Dam		2014	\$ 478,275	\$ 488,797	\$ 488,797	\$ 488,797	\$ 488,797	\$0	\$0	\$0	\$0
Lithgow	Trunk	Water Mains	CWTS Top - No 2 Dam		2014	\$ 636,650	\$ 650,656	\$ 650,656	\$ 650,656	\$ 650,656	\$0	\$0	\$0	\$0
Lithgow	Trunk	Water Mains	CWTS Top - No 2 Dam		1985	\$ 990,000	\$ 1,011,780	\$ 1,011,780	\$ 1,011,780	\$ 1,011,780	\$0	\$0	\$0	\$1,011,780
Shared	Monitoring	Ancillary	Genset 1250 KVA		1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$6,715	\$0
Shared	Monitoring	Ancillary	WPS Clarence Water Transfer Scheme Bottom		2014	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$6,715	\$0
Lithgow	Water Mains	Water Mains	Wm200821		1950	\$ 15,283	\$ 15,619	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$15,619
Lithgow	Water Mains	Water Mains	Wm201788		1950	\$ 10,303	\$ 10,530	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$10,530
Lithgow	Water Mains	Water Mains	Wm201789		1950	\$ 29,432	\$ 30,080	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$30,080
Lithgow	Water Mains	Water Mains	Wm201790		1950	\$ 10,303	\$ 10,530	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$10,530
Lithgow	Water Mains	Water Mains	Wm201791		1950	\$ 9,463	\$ 9,621	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$9,621
Lithgow	Water Mains	Water Mains	Wm201792		1950	\$ 1,163	\$ 1,189	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$1,189
Lithgow	Water Mains	Water Mains	Wm201793		1950	\$ 8,861	\$ 9,056	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$9,056
Lithgow	Water Mains	Water Mains	Wm201794		1950	\$ 1,866	\$ 1,907	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$1,907
Lithgow	Water Mains	Water Mains	Wm201795		1950	\$ 6,074	\$ 6,207	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$6,207
Lithgow	Water Mains	Water Mains	Wm201796		1950	\$ 445	\$ 455	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$455
Lithgow	Water Mains	Water Mains	Wm201797		1950	\$ 1,234	\$ 1,261	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$1,261
Lithgow	Water Mains	Water Mains	Wm201798		1950	\$ 19,097	\$ 19,517	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$19,517
Lithgow	Water Mains	Water Mains	Wm201799		1950	\$ 33,631	\$ 34,371	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$34,371
Lithgow	Water Mains	Water Mains	Wm201800		1950	\$ 917	\$ 938	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$938
Lithgow	Water Mains	Water Mains	Wm201801		1950	\$ 38,057	\$ 38,894	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$38,894
Lithgow	Water Mains	Water Mains	Wm201802		1950	\$ 503	\$ 514	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$514
Lithgow	Water Mains	Water Mains	Wm201803		1950	\$ 38,063	\$ 38,824	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$38,824
Lithgow	Water Mains	Water Mains	Wm201804		1950	\$ 16,819	\$ 17,163	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$17,163
Lithgow	Water Mains	Water Mains	Wm201805		1950	\$ 15,909	\$ 16,253	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$16,253
Lithgow	Water Mains	Water Mains	Wm201806		1950	\$ 53,737	\$ 54,920	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$54,920
Lithgow	Water Mains	Water Mains	Wm200234		1950	\$ 8,645	\$ 8,835	\$ 8,835	\$ 8,835	\$ 8,835	\$0	\$0	\$0	\$8,835
Lithgow	Trunk	Water Mains	Wm200463		1950	\$ 2,731	\$ 2,791	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$2,791
Lithgow	Trunk	Water Mains	Wm200748		1950	\$ 288	\$ 294	\$ 294	\$ 294	\$ 294	\$0	\$0	\$0	\$294
Lithgow	Trunk	Water Mains	Wm200749		1950	\$ 27,260	\$ 27,859	\$ 27,859	\$ 27,859	\$ 27,859	\$0	\$0	\$0	\$27,859
Lithgow	Trunk	Water Mains	Wm200751		1950	\$ 55	\$ 56	\$ 56	\$ 56	\$ 56	\$0	\$0	\$0	\$56
Lithgow	Trunk	Water Mains	Wm200753		1950	\$ 6,733	\$ 6,881	\$ 6,881	\$ 6,881	\$ 6,881	\$0	\$0	\$0	\$6,881
Lithgow	Trunk	Water Mains	Wm200822		1950	\$ 153,658	\$ 157,038	\$ 157,038	\$ 157,038	\$ 157,038	\$0	\$0	\$0	\$157,038
Lithgow	Trunk	Water Mains	Wm201209		1950	\$ 6,241	\$ 6,378	\$ 6,378	\$ 6,378	\$ 6,378	\$0	\$0	\$0	\$6,378
Lithgow	Trunk	Water Mains	Wm201221		1950	\$ 46,818	\$ 47,848	\$ 47,848	\$ 47,848	\$ 47,848	\$0	\$0	\$0	\$47,848
Lithgow	Trunk	Water Mains	Wm201252		1950	\$ 13,249	\$ 13,540	\$ 13,540	\$ 13,540	\$ 13,540	\$0	\$0	\$0	\$13,540
Lithgow	Trunk	Water Mains	Wm201259		1950	\$ 25,964	\$ 26,553	\$ 26,553	\$ 26,553	\$ 26,553	\$0	\$0	\$0	\$26,553
Lithgow	Trunk	Water Mains	Wm201452		1950	\$ 23,434	\$ 23,950	\$ 23,950	\$ 23,950	\$ 23,950	\$0	\$0	\$0	\$23,950
Lithgow	Trunk	Water Mains	Wm201136		2006	\$ 9,747	\$ 9,962	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$9,962
Lithgow	Water Mains	Water Mains	Wm201137		2006	\$ 43,488	\$ 44,445	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$44,445
Lithgow	Water Mains	Water Mains	Wm201138		2006	\$ 14,094	\$ 15,017	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$15,017
Lithgow	Water Mains	Water Mains	Wm201139		2006	\$ 530	\$ 542	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$542
Lithgow	Water Mains	Water Mains	Wm201140		2006	\$ 2,804	\$ 2,866	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$2,866
Lithgow	Water Mains	Water Mains	Wm201141		2006	\$ 7,760	\$ 7,931	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$7,931
Shared	Monitoring	Ancillary	Clarence Header Tank		1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$6,715	\$0
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Clarence Header Tank		1920	\$ 293,550	\$ 300,008	\$ 300,008	\$ 300,008	\$ 300,008	\$0	\$0	\$0	\$300,008
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Clarence Header Tank		1920	\$ 1,663,450	\$ 1,700,046	\$ 1,700,046	\$ 1,700,046	\$ 1,700,046	\$0	\$0	\$0	\$1,700,046
Lithgow	Generator	Ancillary	Cook St High Reservoir		2013	\$ 231,918	\$ 235,918	\$ 235,918	\$ 235,918	\$ 235,918	\$0	\$0	\$0	\$235,918
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Cook St High Reservoir		1984	\$ 153,128	\$ 157,110	\$ 157,110	\$ 157,110	\$ 157,110	\$0	\$0	\$0	\$157,110
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Cook St High Reservoir		1984	\$ 87,123	\$ 89,287	\$ 89,287	\$ 89,287	\$ 89,287	\$0	\$0	\$0	\$89,287
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Cook St Low Reservoir		1926	\$ 418,695	\$ 427,906	\$ 427,906	\$ 427,906	\$ 427,906	\$0	\$0	\$6,715	\$427,906
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Cook St Low Reservoir		1926	\$ 2,372,695	\$ 2,424,802	\$ 2,424,802	\$ 2,424,802	\$ 2,424,802	\$0	\$0	\$0	\$2,424,802
Lithgow	Water Pump Station 100m	Water Pump Station	Cook St Water Pump Station		1984	\$ 156,560	\$ 160,004	\$ 160,004	\$ 160,004	\$ 160,004	\$0	\$0	\$0	\$160,004
Lithgow	Water Pump Station 100m	Water Pump Station	Cook St Water Pump Station		1990	\$ 332,690	\$ 340,009	\$ 340,009	\$ 340,009	\$ 340,009	\$0	\$0	\$0	\$340,009
Lithgow	Water Reservoirs - Dams	Water Reservoirs	Sammers Creek Dam No 1		1890	\$ 2,040,007	\$ 2,084,880	\$ 2,084,880	\$ 2,084,880	\$ 2,084,880	\$0	\$0	\$0	\$2,084,880
Lithgow	Water Reservoirs - Dams	Water Reservoirs	Sammers Creek Dam No 2		1907	\$ 9,256,405	\$ 9,460,047	\$ 9,460,047	\$ 9,460,047	\$ 9,460,047	\$0	\$0	\$0	\$9,460,047
Lithgow	Mechanical	Raw Water Storage	Samers Creek Dam No 2 - Gravity Arch Concrete Dam - Mechanical		2016	\$ 150,000	\$ 153,300	\$ 153,300	\$ 153,300	\$ 153,300	\$0	\$0	\$0	\$153,300
Lithgow	Filtration	Water Treatment Works	Filter Media & Under Drain System Oakley Park WTP		2017	\$ 692,892	\$ 708,136	\$ 708,136	\$ 708,136	\$ 708,136	\$0	\$0	\$0	\$708,136
Lithgow	Water Mains	Water Mains	Fullagar Ave Mains Extension		2017	\$ 223,399	\$ 228,314	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$228,314
Shared	Monitoring	Ancillary	Macaulay Street Reservoir		2014	\$ 90,909	\$ 92,909	\$ 92,909	\$ 92,909	\$ 92,909	\$0	\$0	\$92,909	\$0
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Macaulay Street		1987	\$ 36,617	\$ 37,422	\$ 37,422	\$ 37,422	\$ 37,422	\$0	\$0	\$0	\$37,422
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Macaulay Street		1987	\$ 207,494	\$ 212,058	\$ 212,058	\$ 212,058	\$ 212,058	\$0	\$0	\$0	\$212,058
Shared	Monitoring	Water Reservoirs	Magpie Hollow Reservoir		1987	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$6,715	\$0
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Magpie Hollow Reservoir		2006	\$ 472,490	\$ 483,173	\$ 483,173	\$ 483,173	\$ 483,173	\$0	\$0	\$0	\$483,173
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Magpie Hollow Reservoir Steel Roof		2006	\$ 83,430	\$ 85,265	\$ 85,265	\$ 85,265	\$ 85,265	\$0	\$0	\$0	\$85,265
Shared	Monitoring	Ancillary	Main Reservoir		2014	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$6,715	\$0
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Main Reservoir		1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$6,715
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Marrangaroo		1980	\$ 16,223	\$ 16,579	\$ 16,579	\$ 16,579	\$ 16,579	\$0	\$0	\$0	\$16,579
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Marrangaroo		1990	\$ 91,928	\$ 93,950	\$ 93,950	\$ 93,950	\$ 93,950	\$0	\$0	\$0	\$93,950
Shared	Monitoring	Ancillary	Marrangaroo Reservoir		1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$6,715	\$0
Lithgow	Water Treatment Works	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing Electrical;		1985	\$ 56,000	\$ 57,232	\$ 57,232	\$ 57,232	\$ 57,232	\$0	\$0	\$0	\$57,232
Lithgow	Chemical Dosing	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing		1985	\$ 81,200	\$ 82,986	\$ 82,986	\$ 82,986	\$ 82,986	\$0	\$0	\$0	\$82,986
Lithgow	Chemical Dosing	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing Mechanical;		1985	\$ 648,200	\$ 662,460	\$ 662,460	\$ 662,460	\$ 662,460	\$0	\$0	\$0	\$662,460
Lithgow	Chemical Dosing	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing Electrical;		1985	\$ 21,000	\$ 21,462	\$ 21,462	\$ 21,462	\$ 21,462	\$0	\$0	\$0	\$21,462
Lithgow	Chemical Dosing	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing Electrical;		1985	\$ 34,300	\$ 35,055	\$ 35,055	\$ 35,055	\$ 35,055	\$0	\$0	\$0	\$35,055
Lithgow	Chemical Dosing	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing Electrical;		1985	\$ 31,500	\$ 32,193	\$ 32,193	\$ 32,193	\$ 32,193	\$0	\$0	\$0	\$32,193
Lithgow	Chemical Dosing	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing Electrical;		1985	\$ 134,400	\$ 137,241	\$ 137,241	\$ 137,241	\$ 137,241	\$0	\$0	\$0	\$137,241
Lithgow	Chemical Dosing	Water Treatment Works	Oakey Creek WTP Chemical Dosing Alum Dosing Electrical;		1985	\$ 247,800	\$ 253,252	\$ 253,252	\$ 253,252	\$ 253,252	\$0	\$0	\$0	\$253,252

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Clearwater Storage	Water Treatment Works	Oakley Creek WTP Clearwater Storage Clearwater Tank Electrical;.		1985	\$ 49,000 \$	50,078 \$	50,078 \$	\$0	\$0	\$0	\$0	\$0	\$50,078 \$
Lithgow	Clearwater Storage	Water Treatment Works	Oakley Creek WTP Clearwater Storage Clearwater Tank Mechanical;.		1985	\$ 1,030,980 \$	1,052,056 \$	1,052,056 \$	\$0	\$0	\$0	\$0	\$0	\$1,052,056 \$
Lithgow	Clearwater Transfer	Water Treatment Works	Oakley Creek WTP Clearwater Transfer Clearwater PS Electrical;.		1985	\$ 98,000 \$	100,156 \$	100,156 \$	\$0	\$0	\$0	\$0	\$0	\$100,156 \$
Lithgow	Clearwater Transfer	Water Treatment Works	Oakley Creek WTP Clearwater Transfer Clearwater PS Mechanical;.		1985	\$ 308,004 \$	314,780 \$	314,780 \$	\$0	\$0	\$0	\$0	\$0	\$314,780 \$
Lithgow	Disinfection	Water Treatment Works	Oakley Creek WTP Disinfection Chlorine Dosing Mechanical;.		1985	\$ 91,000 \$	93,002 \$	93,002 \$	\$0	\$0	\$0	\$0	\$0	\$93,002 \$
Lithgow	Filtration	Water Treatment Works	Oakley Creek WTP Filtration Chlorine Dosing Mechanical;.		1985	\$ 147,000 \$	150,234 \$	150,234 \$	\$0	\$0	\$0	\$0	\$0	\$150,234 \$
Lithgow	Filtration	Water Treatment Works	Oakley Creek WTP Filtration Backwash System Civil Works;.		1985	\$ 336,000 \$	343,392 \$	343,392 \$	\$0	\$0	\$0	\$0	\$0	\$343,392 \$
Lithgow	Filtration	Water Treatment Works	Oakley Creek WTP Filtration Backwash System Electrical;.		1985	\$ 666,400 \$	681,061 \$	681,061 \$	\$0	\$0	\$0	\$0	\$0	\$681,061 \$
Lithgow	Filtration	Water Treatment Works	Oakley Creek WTP Filtration Gravity Fillers Electrical;.		2016	\$ 952,000 \$	972,944 \$	972,944 \$	\$972,944	\$972,944	\$0	\$0	\$0	\$0
Lithgow	Filtration	Water Treatment Works	Oakley Creek WTP Filtration Gravity Fillers Civil Works;.		1985	\$ 971,320 \$	992,689 \$	992,689 \$	\$0	\$0	\$0	\$0	\$0	\$992,689 \$
Lithgow	Preliminary Flow Control	Water Treatment Works	Oakley Creek WTP Preliminary Flow Control Unit Valve PI Electrical;.		2016	\$ 1,260,000 \$	1,287,720 \$	1,287,720 \$	\$1,287,720	\$1,287,720	\$0	\$0	\$0	\$0
Lithgow	Preliminary Flow Control	Water Treatment Works	Oakley Creek WTP Preliminary Flow Control Unit Valve PI Civil Works;.		1985	\$ 35,000 \$	35,770 \$	35,770 \$	\$0	\$0	\$0	\$0	\$0	\$35,770 \$
Lithgow	Preliminary Flow Control	Water Treatment Works	Oakley Creek WTP Preliminary Flow Control Unit Valve PI Mechanical;.		1985	\$ 130,000 \$	132,760 \$	132,760 \$	\$0	\$0	\$0	\$0	\$0	\$132,760 \$
Lithgow	Primary Flocculation	Water Treatment Works	Oakley Creek WTP Primary Flocculation Rapid Mix Tank Mechanical;.		1985	\$ 56,000 \$	56,770 \$	56,770 \$	\$0	\$0	\$0	\$0	\$0	\$56,770 \$
Lithgow	Primary Flocculation	Water Treatment Works	Oakley Creek WTP Primary Flocculation Rapid Mix Tank Electrical;.		1985	\$ 119,000 \$	121,618 \$	121,618 \$	\$0	\$0	\$0	\$0	\$0	\$121,618 \$
Lithgow	Primary Sedimentation	Water Treatment Works	Oakley Creek WTP Primary Sedimentation Settling Tank Electrical;.		1985	\$ 315,000 \$	321,930 \$	321,930 \$	\$0	\$0	\$0	\$0	\$0	\$321,930 \$
Lithgow	Primary Sedimentation	Water Treatment Works	Oakley Creek WTP Primary Sedimentation Settling Tank Civil Works;.		1985	\$ 1,137,640 \$	1,162,668 \$	1,162,668 \$	\$0	\$0	\$0	\$0	\$0	\$1,162,668 \$
Lithgow	Process	Water Treatment Works	Oakley Creek WTP Process Process Systems Control;.		1985	\$ 188,000 \$	171,696 \$	171,696 \$	\$0	\$0	\$0	\$0	\$0	\$171,696 \$
Lithgow	Process	Water Treatment Works	Oakley Creek WTP Process Process Systems Mechanical;.		1985	\$ 581,000 \$	593,782 \$	593,782 \$	\$0	\$0	\$0	\$0	\$0	\$593,782 \$
Lithgow	Secondary Flocculation	Water Treatment Works	Oakley Creek WTP Secondary Flocculation Flocculators Electrical;.		1985	\$ 112,000 \$	114,464 \$	114,464 \$	\$0	\$0	\$0	\$0	\$0	\$114,464 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Civil Works;.		1985	\$ 210,000 \$	214,620 \$	214,620 \$	\$0	\$0	\$0	\$0	\$0	\$214,620 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Mechanical;.		1985	\$ 875,840 \$	895,108 \$	895,108 \$	\$0	\$0	\$0	\$0	\$0	\$895,108 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Electrical;.		1985	\$ 185,360 \$	189,438 \$	189,438 \$	\$0	\$0	\$0	\$0	\$0	\$189,438 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Mechanical;.		1985	\$ 234,960 \$	239,720 \$	239,720 \$	\$0	\$0	\$0	\$0	\$0	\$239,720 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Electrical;.		1985	\$ 84,000 \$	86,848 \$	86,848 \$	\$0	\$0	\$0	\$0	\$0	\$86,848 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Mechanical;.		1985	\$ 117,600 \$	120,187 \$	120,187 \$	\$0	\$0	\$0	\$0	\$0	\$120,187 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Civil Works;.		1985	\$ 70,000 \$	71,540 \$	71,540 \$	\$0	\$0	\$0	\$0	\$0	\$71,540 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Mechanical;.		1985	\$ 126,000 \$	128,772 \$	128,772 \$	\$0	\$0	\$0	\$0	\$0	\$128,772 \$
Lithgow	Sludge Disposal	Water Treatment Works	Oakley Creek WTP Sludge Disposal Sludge PS Civil Works;.		1985	\$ 168,000 \$	171,696 \$	171,696 \$	\$0	\$0	\$0	\$0	\$0	\$171,696 \$
Lithgow	Monitoring	Water Reservoirs - Steel	Shaff St New Reservoir		1997	\$ 6,570 \$	6,715 \$	6,715 \$	\$6,715	\$0	\$0	\$0	\$6,715	\$0
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Shaff St Old Reservoir		1986	\$ 540,750 \$	552,647 \$	552,647 \$	\$0	\$0	\$0	\$0	\$0	\$552,647 \$
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Shaff St Old Reservoir		1986	\$ 3,064,250 \$	3,131,664 \$	3,131,664 \$	\$0	\$0	\$0	\$0	\$0	\$3,131,664 \$
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Shaff St Old Reservoir		1997	\$ 6,570 \$	6,715 \$	6,715 \$	\$6,715	\$0	\$0	\$0	\$0	\$0
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Shaff St Old Reservoir		1999	\$ 367,710 \$	375,800 \$	375,800 \$	\$0	\$0	\$0	\$0	\$0	\$375,800 \$
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Shaff St Old Reservoir		1973	\$ 2,083,690 \$	2,129,531 \$	2,129,531 \$	\$0	\$0	\$0	\$0	\$0	\$2,129,531 \$
Lithgow	Water Reservoirs - Concrete	Water Reservoirs	Shaff St Old Reservoir		1973	\$ 182,310 \$	186,321 \$	186,321 \$	\$0	\$0	\$0	\$0	\$0	\$186,321 \$
Lithgow	Water Reservoirs - Dams	Water Reservoirs	South Bowentails		1973	\$ 1,033,040 \$	1,056,819 \$	1,056,819 \$	\$0	\$0	\$0	\$0	\$0	\$1,056,819 \$
Lithgow	Water Reservoirs - Dams	Water Reservoirs	South Bowentails		1997	\$ 6,570 \$	6,715 \$	6,715 \$	\$6,715	\$145,030	\$0	\$0	\$0	\$0
Lithgow	Chlorination Equipment	Water Reservoirs	Vickers St Reservoir Chlorination		2014	\$ 58,710 \$	60,002 \$	60,002 \$	\$60,002	\$60,002	\$0	\$0	\$0	\$0
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Vickers St Reservoir Chlorination		1973	\$ 55,157 \$	56,370 \$	56,370 \$	\$0	\$0	\$0	\$0	\$0	\$56,370 \$
Lithgow	Water Reservoirs - Steel	Water Reservoirs	Vickers St Reservoir Concrete Structure		1973	\$ 9,734 \$	9,948 \$	9,948 \$	\$0	\$0	\$0	\$0	\$0	\$9,948 \$
Lithgow	Water Pump Station 100m	Water Pump Station	Vickers St Water Pump Station		1973	\$ 79,714 \$	81,467 \$	81,467 \$	\$0	\$0	\$0	\$0	\$0	\$81,467 \$
Lithgow	Water Pump Station 100m	Water Pump Station	Vickers St Water Pump Station		1973	\$ 204,978 \$	209,488 \$	209,488 \$	\$0	\$0	\$0	\$0	\$0	\$209,488 \$
Lithgow	Reticulation	Water Mains	Wm0		1957	\$ - \$	- \$	- \$	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	Water Mains	Wm200001		1950	\$ 11,995 \$	12,259 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$12,259 \$
Lithgow	Reticulation	Water Mains	Wm200002		1950	\$ 6,988 \$	7,141 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$7,141 \$
Lithgow	Reticulation	Water Mains	Wm200003		1950	\$ 110,601 \$	113,034 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$113,034 \$
Lithgow	Reticulation	Water Mains	Wm200004		1950	\$ 12,905 \$	13,189 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$13,189 \$
Lithgow	Reticulation	Water Mains	Wm200005		1950	\$ 1,685 \$	1,927 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$1,927 \$
Lithgow	Reticulation	Water Mains	Wm200006		1950	\$ 4,435 \$	4,441 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$4,441 \$
Lithgow	Reticulation	Water Mains	Wm200007		1950	\$ 4,435 \$	4,441 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$4,441 \$
Lithgow	Reticulation	Water Mains	Wm200008		1950	\$ 22,259 \$	22,741 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$22,741 \$
Lithgow	Reticulation	Water Mains	Wm200009		1950	\$ 7,982 \$	8,158 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$8,158 \$
Lithgow	Reticulation	Water Mains	Wm200010		1950	\$ 8,959 \$	9,156 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$9,156 \$
Lithgow	Reticulation	Water Mains	Wm200011		1950	\$ 7,064 \$	7,219 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$7,219 \$
Lithgow	Reticulation	Water Mains	Wm200012		1950	\$ 17,556 \$	17,942 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$17,942 \$
Lithgow	Reticulation	Water Mains	Wm200013		1950	\$ 16,948 \$	17,321 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$17,321 \$
Lithgow	Reticulation	Water Mains	Wm200014		1950	\$ 9,954 \$	10,173 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$10,173 \$
Lithgow	Reticulation	Water Mains	Wm200015		1950	\$ 4,158 \$	4,249 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$4,249 \$
Lithgow	Reticulation	Water Mains	Wm200016		1950	\$ 36,638 \$	37,648 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$37,648 \$
Lithgow	Reticulation	Water Mains	Wm200017		1950	\$ 19,982 \$	20,422 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$20,422 \$
Lithgow	Reticulation	Water Mains	Wm200018		1950	\$ 285 \$	292 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$292 \$
Lithgow	Reticulation	Water Mains	Wm200019		1979	\$ 2,660 \$	2,718 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$2,718 \$
Lithgow	Reticulation	Water Mains	Wm200020		1979	\$ 13,139 \$	13,623 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$13,623 \$
Lithgow	Reticulation	Water Mains	Wm200021		1979	\$ 8,619 \$	8,823 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$8,823 \$
Lithgow	Reticulation	Water Mains	Wm200022		1979	\$ 3,346 \$	3,422 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$3,422 \$
Lithgow	Reticulation	Water Mains	Wm200023		1950	\$ 241 \$	246 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$246 \$
Lithgow	Reticulation	Water Mains	Wm200024		1950	\$ 136 \$	139 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$139 \$
Lithgow	Reticulation	Water Mains	Wm200025		1950	\$ 2,579 \$	2,636 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$2,636 \$
Lithgow	Reticulation	Water Mains	Wm200026		1950	\$ 1,013 \$	1,035 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$1,035 \$
Lithgow	Reticulation	Water Mains	Wm200027		1950	\$ 2,815 \$	2,877 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$2,877 \$
Lithgow	Reticulation	Water Mains	Wm200028		1950	\$ 316 \$	323 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$323 \$
Lithgow	Reticulation	Water Mains	Wm200029		1950	\$ 347 \$	354 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$354 \$
Lithgow	Reticulation	Water Mains	Wm200030		1950	\$ 4,015 \$	4,104 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$4,104 \$
Lithgow	Reticulation	Water Mains	Wm200031		1950	\$ 3,162 \$	3,232 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$3,232 \$
Lithgow	Reticulation	Water Mains	Wm200032		1950	\$ 651 \$	665 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$665 \$
Lithgow	Reticulation	Water Mains	Wm200033		1950	\$ 23,684 \$	24,009 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$24,009 \$
Lithgow	Reticulation	Water Mains	Wm200034		1950	\$ 5,064 \$	5,175 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$5,175 \$
Lithgow	Reticulation	Water Mains	Wm200035		1950	\$ 5,064 \$	5,175 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$5,175 \$
Lithgow	Reticulation	Water Mains	Wm200036		1950	\$ 5,064 \$	5,175 \$	- \$	\$0	\$0	\$0	\$0	\$0	\$5,175 \$

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200037		1950	\$ 3,009 \$	3,075 \$	-	\$0	\$0		\$0		\$3,075
Lithgow	Reticulation	Water Mains	Wm200038		1950	\$ 30 \$	\$0	-	\$0	\$0		\$0		\$30
Lithgow	Reticulation	Water Mains	Wm200039		1950	\$ 80 \$	\$0	-	\$0	\$0		\$0		\$80
Lithgow	Reticulation	Water Mains	Wm200040		1950	\$ 4,726 \$	4,832 \$	-	\$0	\$0		\$0		\$4,832
Lithgow	Reticulation	Water Mains	Wm200041		1950	\$ 9,812 \$	10,028 \$	-	\$0	\$0		\$0		\$10,028
Lithgow	Reticulation	Water Mains	Wm200042		1950	\$ 9,065 \$	9,265 \$	-	\$0	\$0		\$0		\$9,265
Lithgow	Reticulation	Water Mains	Wm200043		1950	\$ 1,065 \$	1,109 \$	-	\$0	\$0		\$0		\$1,109
Lithgow	Reticulation	Water Mains	Wm200044		1950	\$ 53,929 \$	55,116 \$	-	\$0	\$0		\$0		\$55,116
Lithgow	Reticulation	Water Mains	Wm200045		1950	\$ 4,841 \$	4,948 \$	-	\$0	\$0		\$0		\$4,948
Lithgow	Reticulation	Water Mains	Wm200046		1950	\$ 37,765 \$	38,595 \$	-	\$0	\$0		\$0		\$38,595
Lithgow	Reticulation	Water Mains	Wm200047		1950	\$ 498 \$	509 \$	-	\$0	\$0		\$0		\$509
Lithgow	Reticulation	Water Mains	Wm200048		1950	\$ 76 \$	77 \$	-	\$0	\$0		\$0		\$77
Lithgow	Reticulation	Water Mains	Wm200049		1950	\$ 4,990 \$	5,100 \$	-	\$0	\$0		\$0		\$5,100
Lithgow	Reticulation	Water Mains	Wm200050		1950	\$ 2,300 \$	2,351 \$	-	\$0	\$0		\$0		\$2,351
Lithgow	Reticulation	Water Mains	Wm200051		1950	\$ 5,012 \$	5,122 \$	-	\$0	\$0		\$0		\$5,122
Lithgow	Reticulation	Water Mains	Wm200052		1950	\$ 24,418 \$	24,839 \$	-	\$0	\$0		\$0		\$24,839
Lithgow	Reticulation	Water Mains	Wm200053		1950	\$ 24,418 \$	24,839 \$	-	\$0	\$0		\$0		\$24,839
Lithgow	Reticulation	Water Mains	Wm200054		1950	\$ 25,926 \$	26,436 \$	-	\$0	\$0		\$0		\$26,436
Lithgow	Reticulation	Water Mains	Wm200055		1950	\$ 20,730 \$	21,186 \$	-	\$0	\$0		\$0		\$21,186
Lithgow	Reticulation	Water Mains	Wm200056		1950	\$ 24,164 \$	24,696 \$	-	\$0	\$0		\$0		\$24,696
Lithgow	Reticulation	Water Mains	Wm200057		1950	\$ 1,345 \$	1,374 \$	-	\$0	\$0		\$0		\$1,374
Lithgow	Reticulation	Water Mains	Wm200058		1950	\$ 28,737 \$	29,369 \$	-	\$0	\$0		\$0		\$29,369
Lithgow	Reticulation	Water Mains	Wm200059		1950	\$ 7,737 \$	7,907 \$	-	\$0	\$0		\$0		\$7,907
Lithgow	Reticulation	Water Mains	Wm200060		1950	\$ 5,169 \$	5,282 \$	-	\$0	\$0		\$0		\$5,282
Lithgow	Reticulation	Water Mains	Wm200061		1950	\$ 6,479 \$	6,622 \$	-	\$0	\$0		\$0		\$6,622
Lithgow	Reticulation	Water Mains	Wm200062		1950	\$ 9,794 \$	10,010 \$	-	\$0	\$0		\$0		\$10,010
Lithgow	Reticulation	Water Mains	Wm200063		1950	\$ 3,958 \$	3,432 \$	-	\$0	\$0		\$0		\$3,432
Lithgow	Reticulation	Water Mains	Wm200064		1950	\$ 19,464 \$	19,892 \$	-	\$0	\$0		\$0		\$19,892
Lithgow	Reticulation	Water Mains	Wm200065		1950	\$ 7,401 \$	7,472 \$	-	\$0	\$0		\$0		\$7,472
Lithgow	Reticulation	Water Mains	Wm200066		1950	\$ 5,982 \$	6,115 \$	-	\$0	\$0		\$0		\$6,115
Lithgow	Reticulation	Water Mains	Wm200067		1950	\$ 3,311 \$	3,384 \$	-	\$0	\$0		\$0		\$3,384
Lithgow	Reticulation	Water Mains	Wm200068		1950	\$ 5,259 \$	5,375 \$	-	\$0	\$0		\$0		\$5,375
Lithgow	Reticulation	Water Mains	Wm200069		1950	\$ 3,502 \$	3,579 \$	-	\$0	\$0		\$0		\$3,579
Lithgow	Reticulation	Water Mains	Wm200070		1950	\$ 25,887 \$	26,456 \$	-	\$0	\$0		\$0		\$26,456
Lithgow	Reticulation	Water Mains	Wm200071		1950	\$ 2,212 \$	2,261 \$	-	\$0	\$0		\$0		\$2,261
Lithgow	Reticulation	Water Mains	Wm200072		1950	\$ 3,472 \$	3,549 \$	-	\$0	\$0		\$0		\$3,549
Lithgow	Reticulation	Water Mains	Wm200073		1950	\$ 11,751 \$	12,009 \$	-	\$0	\$0		\$0		\$12,009
Lithgow	Reticulation	Water Mains	Wm200074		1950	\$ 7,903 \$	8,077 \$	-	\$0	\$0		\$0		\$8,077
Lithgow	Reticulation	Water Mains	Wm200075		1950	\$ 75 \$	77 \$	-	\$0	\$0		\$0		\$77
Lithgow	Reticulation	Water Mains	Wm200076		1950	\$ 989 \$	1,011 \$	-	\$0	\$0		\$0		\$1,011
Lithgow	Reticulation	Water Mains	Wm200077		1950	\$ 2,624 \$	2,682 \$	-	\$0	\$0		\$0		\$2,682
Lithgow	Reticulation	Water Mains	Wm200078		1950	\$ 5,910 \$	6,040 \$	-	\$0	\$0		\$0		\$6,040
Lithgow	Reticulation	Water Mains	Wm200079		1950	\$ 20,015 \$	20,455 \$	-	\$0	\$0		\$0		\$20,455
Lithgow	Reticulation	Water Mains	Wm200080		1950	\$ 12,092 \$	12,358 \$	-	\$0	\$0		\$0		\$12,358
Lithgow	Reticulation	Water Mains	Wm200081		1950	\$ 1,092 \$	1,116 \$	-	\$0	\$0		\$0		\$1,116
Lithgow	Reticulation	Water Mains	Wm200082		1950	\$ 8,107 \$	8,286 \$	-	\$0	\$0		\$0		\$8,286
Lithgow	Reticulation	Water Mains	Wm200083		1950	\$ 5,269 \$	5,385 \$	-	\$0	\$0		\$0		\$5,385
Lithgow	Reticulation	Water Mains	Wm200084		1950	\$ 338 \$	345 \$	-	\$0	\$0		\$0		\$345
Lithgow	Reticulation	Water Mains	Wm200085		1950	\$ 620 \$	634 \$	-	\$0	\$0		\$0		\$634
Lithgow	Reticulation	Water Mains	Wm200086		1950	\$ 8,070 \$	8,247 \$	-	\$0	\$0		\$0		\$8,247
Lithgow	Reticulation	Water Mains	Wm200087		1950	\$ 3,094 \$	3,162 \$	-	\$0	\$0		\$0		\$3,162
Lithgow	Reticulation	Water Mains	Wm200088		1950	\$ 5,073 \$	5,184 \$	-	\$0	\$0		\$0		\$5,184
Lithgow	Reticulation	Water Mains	Wm200089		1950	\$ 2,275 \$	2,325 \$	-	\$0	\$0		\$0		\$2,325
Lithgow	Reticulation	Water Mains	Wm200090		1950	\$ 5,246 \$	5,361 \$	-	\$0	\$0		\$0		\$5,361
Lithgow	Reticulation	Water Mains	Wm200091		1950	\$ 4,696 \$	4,837 \$	-	\$0	\$0		\$0		\$4,837
Lithgow	Reticulation	Water Mains	Wm200092		1950	\$ 4,513 \$	4,614 \$	-	\$0	\$0		\$0		\$4,614
Lithgow	Reticulation	Water Mains	Wm200093		1950	\$ 7,374 \$	7,536 \$	-	\$0	\$0		\$0		\$7,536
Lithgow	Reticulation	Water Mains	Wm200094		1950	\$ 967 \$	989 \$	-	\$0	\$0		\$0		\$989
Lithgow	Reticulation	Water Mains	Wm200095		1950	\$ 174 \$	178 \$	-	\$0	\$0		\$0		\$178
Lithgow	Reticulation	Water Mains	Wm200096		1950	\$ 2,653 \$	2,711 \$	-	\$0	\$0		\$0		\$2,711
Lithgow	Reticulation	Water Mains	Wm200097		1950	\$ 3,705 \$	3,787 \$	-	\$0	\$0		\$0		\$3,787
Lithgow	Reticulation	Water Mains	Wm200098		1950	\$ 1,327 \$	1,355 \$	-	\$0	\$0		\$0		\$1,355
Lithgow	Reticulation	Water Mains	Wm200099		1950	\$ 1,419 \$	1,450 \$	-	\$0	\$0		\$0		\$1,450
Lithgow	Reticulation	Water Mains	Wm200100		1950	\$ 1,066 \$	1,089 \$	-	\$0	\$0		\$0		\$1,089
Lithgow	Reticulation	Water Mains	Wm200101		1950	\$ 10,791 \$	11,028 \$	-	\$0	\$0		\$0		\$11,028
Lithgow	Reticulation	Water Mains	Wm200102		1950	\$ 3,473 \$	3,559 \$	-	\$0	\$0		\$0		\$3,559
Lithgow	Reticulation	Water Mains	Wm200103		1950	\$ 12,785 \$	13,230 \$	-	\$0	\$0		\$0		\$13,230
Lithgow	Reticulation	Water Mains	Wm200104		1950	\$ 7,915 \$	8,089 \$	-	\$0	\$0		\$0		\$8,089
Lithgow	Reticulation	Water Mains	Wm200105		1950	\$ 1,721 \$	1,759 \$	-	\$0	\$0		\$0		\$1,759
Lithgow	Reticulation	Water Mains	Wm200106		1950	\$ 9,443 \$	9,651 \$	-	\$0	\$0		\$0		\$9,651
Lithgow	Reticulation	Water Mains	Wm200107		1950	\$ 17,953 \$	18,246 \$	-	\$0	\$0		\$0		\$18,246
Lithgow	Reticulation	Water Mains	Wm200108		1950	\$ 11,671 \$	11,928 \$	-	\$0	\$0		\$0		\$11,928
Lithgow	Reticulation	Water Mains	Wm200109		1950	\$ 20,818 \$	21,276 \$	-	\$0	\$0		\$0		\$21,276
Lithgow	Reticulation	Water Mains	Wm200110		1950	\$ 12,354 \$	12,626 \$	-	\$0	\$0		\$0		\$12,626
Lithgow	Reticulation	Water Mains	Wm200111		1950	\$ 38,328 \$	39,171 \$	-	\$0	\$0		\$0		\$39,171
Lithgow	Reticulation	Water Mains	Wm200112		1950	\$ 46,945 \$	47,978 \$	-	\$0	\$0		\$0		\$47,978
Lithgow	Reticulation	Water Mains	Wm200113		1950	\$ 16,121 \$	16,476 \$	-	\$0	\$0		\$0		\$16,476
Lithgow	Reticulation	Water Mains	Wm200114		1950	\$ 4,961 \$	4,961 \$	-	\$0	\$0		\$0		\$4,961
Lithgow	Reticulation	Water Mains	Wm200115		1950	\$ 17,532 \$	17,898 \$	-	\$0	\$0		\$0		\$17,898
Lithgow	Reticulation	Water Mains	Wm200116		1950	\$ 12,479 \$	12,640 \$	-	\$0	\$0		\$0		\$12,640
Lithgow	Reticulation	Water Mains	Wm200117		1950	\$ 2,497 \$	2,531 \$	-	\$0	\$0		\$0		\$2,531
Lithgow	Reticulation	Water Mains	Wm200118		1950	\$ 47 \$	48 \$	-	\$0	\$0		\$0		\$48
Lithgow	Reticulation	Water Mains	Wm200119		1950	\$ 2,448 \$	2,448 \$	-	\$0	\$0		\$0		\$2,448
Lithgow	Reticulation	Water Mains	Wm200120		1950	\$ 2,448 \$	2,448 \$	-	\$0	\$0		\$0		\$2,448
Lithgow	Reticulation	Water Mains	Wm200121		1950	\$ 2,448 \$	2,448 \$	-	\$0	\$0		\$0		\$2,448
Lithgow	Reticulation	Water Mains	Wm200122		1950	\$ 2,448 \$	2,448 \$	-	\$0	\$0		\$0		\$2,448
Lithgow	Reticulation	Water Mains	Wm200123		1950	\$ 2,448 \$	2,448 \$	-	\$0	\$0		\$0		\$2,448

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200124		1950	\$ 1,991	\$ 7,035	\$ -	\$0	\$0		\$0	\$0	\$2,035
Lithgow	Reticulation	Water Mains	Wm200125		1950	\$ 1,419	\$ 4,959	\$ -	\$0	\$0		\$0	\$0	\$1,469
Lithgow	Reticulation	Water Mains	Wm200126		1950	\$ 14,038	\$ 147,259	\$ -	\$0	\$0		\$0	\$0	\$14,238
Lithgow	Reticulation	Water Mains	Wm200127		1950	\$ 28,030	\$ 29,646	\$ -	\$0	\$0		\$0	\$0	\$29,646
Lithgow	Reticulation	Water Mains	Wm200128		1950	\$ 26,785	\$ 27,375	\$ -	\$0	\$0		\$0	\$0	\$27,375
Lithgow	Reticulation	Water Mains	Wm200129		1950	\$ 40,954	\$ 41,855	\$ -	\$0	\$0		\$0	\$0	\$41,855
Lithgow	Reticulation	Water Mains	Wm200130		1950	\$ 65,471	\$ 66,911	\$ -	\$0	\$0		\$0	\$0	\$66,911
Lithgow	Reticulation	Water Mains	Wm200131		1950	\$ 49,700	\$ 50,793	\$ -	\$0	\$0		\$0	\$0	\$50,793
Lithgow	Reticulation	Water Mains	Wm200132		1950	\$ 18,961	\$ 19,379	\$ -	\$0	\$0		\$0	\$0	\$19,379
Lithgow	Reticulation	Water Mains	Wm200133		1950	\$ 23,226	\$ 23,737	\$ -	\$0	\$0		\$0	\$0	\$23,737
Lithgow	Reticulation	Water Mains	Wm200134		1950	\$ 1,383	\$ 1,414	\$ -	\$0	\$0		\$0	\$0	\$1,414
Lithgow	Reticulation	Water Mains	Wm200135		1950	\$ 80	\$ 82	\$ -	\$0	\$0		\$0	\$0	\$82
Lithgow	Reticulation	Water Mains	Wm200136		1950	\$ 620	\$ 838	\$ -	\$0	\$0		\$0	\$0	\$838
Lithgow	Reticulation	Water Mains	Wm200137		1950	\$ 11,024	\$ 11,266	\$ -	\$0	\$0		\$0	\$0	\$11,266
Lithgow	Reticulation	Water Mains	Wm200138		1950	\$ 31,617	\$ 32,313	\$ -	\$0	\$0		\$0	\$0	\$32,313
Lithgow	Reticulation	Water Mains	Wm200139		1950	\$ 27,739	\$ 28,391	\$ -	\$0	\$0		\$0	\$0	\$28,391
Lithgow	Reticulation	Water Mains	Wm200140		1950	\$ 1,722	\$ 1,806	\$ -	\$0	\$0		\$0	\$0	\$1,806
Lithgow	Reticulation	Water Mains	Wm200141		1950	\$ 1,571	\$ 1,606	\$ -	\$0	\$0		\$0	\$0	\$1,606
Lithgow	Reticulation	Water Mains	Wm200142		1950	\$ 746	\$ 762	\$ -	\$0	\$0		\$0	\$0	\$762
Lithgow	Reticulation	Water Mains	Wm200143		1950	\$ 1,310	\$ 1,339	\$ -	\$0	\$0		\$0	\$0	\$1,339
Lithgow	Reticulation	Water Mains	Wm200144		1950	\$ 208	\$ 213	\$ -	\$0	\$0		\$0	\$0	\$213
Lithgow	Reticulation	Water Mains	Wm200145		1950	\$ 17,658	\$ 18,046	\$ -	\$0	\$0		\$0	\$0	\$18,046
Lithgow	Reticulation	Water Mains	Wm200146		1950	\$ 17,658	\$ 18,046	\$ -	\$0	\$0		\$0	\$0	\$18,046
Lithgow	Reticulation	Water Mains	Wm200147		1950	\$ 743	\$ 759	\$ -	\$0	\$0		\$0	\$0	\$759
Lithgow	Reticulation	Water Mains	Wm200148		1950	\$ 875	\$ 894	\$ -	\$0	\$0		\$0	\$0	\$894
Lithgow	Reticulation	Water Mains	Wm200149		1950	\$ 17,982	\$ 18,378	\$ -	\$0	\$0		\$0	\$0	\$18,378
Lithgow	Reticulation	Water Mains	Wm200150		1950	\$ 6,395	\$ 6,535	\$ -	\$0	\$0		\$0	\$0	\$6,535
Lithgow	Reticulation	Water Mains	Wm200151		1950	\$ 1,784	\$ 1,784	\$ -	\$0	\$0		\$0	\$0	\$1,784
Lithgow	Reticulation	Water Mains	Wm200152		1950	\$ 96,028	\$ 94,133	\$ -	\$0	\$0		\$0	\$0	\$94,133
Lithgow	Reticulation	Water Mains	Wm200153		1950	\$ 1,478	\$ 1,478	\$ -	\$0	\$0		\$0	\$0	\$1,478
Lithgow	Reticulation	Water Mains	Wm200154		1950	\$ 8,769	\$ 8,900	\$ -	\$0	\$0		\$0	\$0	\$8,900
Lithgow	Reticulation	Water Mains	Wm200155		1950	\$ 159	\$ 162	\$ -	\$0	\$0		\$0	\$0	\$162
Lithgow	Reticulation	Water Mains	Wm200156		1950	\$ 311	\$ 318	\$ -	\$0	\$0		\$0	\$0	\$318
Lithgow	Reticulation	Water Mains	Wm200157		1950	\$ 21	\$ 21	\$ -	\$0	\$0		\$0	\$0	\$21
Lithgow	Reticulation	Water Mains	Wm200158		1950	\$ 282	\$ 288	\$ -	\$0	\$0		\$0	\$0	\$288
Lithgow	Reticulation	Water Mains	Wm200159		1950	\$ 13,866	\$ 14,171	\$ -	\$0	\$0		\$0	\$0	\$14,171
Lithgow	Reticulation	Water Mains	Wm200160		1950	\$ 540	\$ 552	\$ -	\$0	\$0		\$0	\$0	\$552
Lithgow	Reticulation	Water Mains	Wm200161		1950	\$ 302	\$ 309	\$ -	\$0	\$0		\$0	\$0	\$309
Lithgow	Reticulation	Water Mains	Wm200162		1950	\$ 520	\$ 531	\$ -	\$0	\$0		\$0	\$0	\$531
Lithgow	Reticulation	Water Mains	Wm200163		1950	\$ 24,431	\$ 24,969	\$ -	\$0	\$0		\$0	\$0	\$24,969
Lithgow	Reticulation	Water Mains	Wm200164		1950	\$ 109	\$ 111	\$ -	\$0	\$0		\$0	\$0	\$111
Lithgow	Reticulation	Water Mains	Wm200165		1950	\$ 11,648	\$ 12,108	\$ -	\$0	\$0		\$0	\$0	\$12,108
Lithgow	Reticulation	Water Mains	Wm200166		1950	\$ 9,670	\$ 9,683	\$ -	\$0	\$0		\$0	\$0	\$9,683
Lithgow	Reticulation	Water Mains	Wm200167		1950	\$ 311	\$ 318	\$ -	\$0	\$0		\$0	\$0	\$318
Lithgow	Reticulation	Water Mains	Wm200168		1950	\$ 3,431	\$ 3,507	\$ -	\$0	\$0		\$0	\$0	\$3,507
Lithgow	Reticulation	Water Mains	Wm200169		1950	\$ 4,557	\$ 4,657	\$ -	\$0	\$0		\$0	\$0	\$4,657
Lithgow	Reticulation	Water Mains	Wm200170		1950	\$ 921	\$ 935	\$ -	\$0	\$0		\$0	\$0	\$935
Lithgow	Reticulation	Water Mains	Wm200171		1950	\$ 27,084	\$ 27,680	\$ -	\$0	\$0		\$0	\$0	\$27,680
Lithgow	Reticulation	Water Mains	Wm200172		1950	\$ 198	\$ 203	\$ -	\$0	\$0		\$0	\$0	\$203
Lithgow	Reticulation	Water Mains	Wm200173		1950	\$ 25,303	\$ 25,860	\$ -	\$0	\$0		\$0	\$0	\$25,860
Lithgow	Reticulation	Water Mains	Wm200174		1950	\$ 6,394	\$ 6,535	\$ -	\$0	\$0		\$0	\$0	\$6,535
Lithgow	Reticulation	Water Mains	Wm200175		1950	\$ 15,149	\$ 15,482	\$ -	\$0	\$0		\$0	\$0	\$15,482
Lithgow	Reticulation	Water Mains	Wm200176		1950	\$ 14,932	\$ 15,260	\$ -	\$0	\$0		\$0	\$0	\$15,260
Lithgow	Reticulation	Water Mains	Wm200177		1950	\$ 25,699	\$ 26,265	\$ -	\$0	\$0		\$0	\$0	\$26,265
Lithgow	Reticulation	Water Mains	Wm200178		1950	\$ 1,116	\$ 1,141	\$ -	\$0	\$0		\$0	\$0	\$1,141
Lithgow	Reticulation	Water Mains	Wm200179		1950	\$ 7,435	\$ 7,423	\$ -	\$0	\$0		\$0	\$0	\$7,423
Lithgow	Reticulation	Water Mains	Wm200180		1950	\$ 418	\$ 425	\$ -	\$0	\$0		\$0	\$0	\$425
Lithgow	Reticulation	Water Mains	Wm200181		1950	\$ 418	\$ 425	\$ -	\$0	\$0		\$0	\$0	\$425
Lithgow	Reticulation	Water Mains	Wm200182		1950	\$ 342	\$ 350	\$ -	\$0	\$0		\$0	\$0	\$350
Lithgow	Reticulation	Water Mains	Wm200183		1950	\$ 311	\$ 317	\$ -	\$0	\$0		\$0	\$0	\$317
Lithgow	Reticulation	Water Mains	Wm200184		1950	\$ 288	\$ 294	\$ -	\$0	\$0		\$0	\$0	\$294
Lithgow	Reticulation	Water Mains	Wm200185		1950	\$ 835	\$ 853	\$ -	\$0	\$0		\$0	\$0	\$853
Lithgow	Reticulation	Water Mains	Wm200186		1950	\$ 268	\$ 274	\$ -	\$0	\$0		\$0	\$0	\$274
Lithgow	Reticulation	Water Mains	Wm200187		1950	\$ 140	\$ 144	\$ -	\$0	\$0		\$0	\$0	\$144
Lithgow	Reticulation	Water Mains	Wm200188		1950	\$ 184	\$ 188	\$ -	\$0	\$0		\$0	\$0	\$188
Lithgow	Reticulation	Water Mains	Wm200189		1950	\$ 809	\$ 826	\$ -	\$0	\$0		\$0	\$0	\$826
Lithgow	Reticulation	Water Mains	Wm200190		1950	\$ 4,714	\$ 4,818	\$ -	\$0	\$0		\$0	\$0	\$4,818
Lithgow	Reticulation	Water Mains	Wm200191		1950	\$ 573	\$ 585	\$ -	\$0	\$0		\$0	\$0	\$585
Lithgow	Reticulation	Water Mains	Wm200192		1950	\$ 30,818	\$ 31,496	\$ -	\$0	\$0		\$0	\$0	\$31,496
Lithgow	Reticulation	Water Mains	Wm200193		1950	\$ 13,033	\$ 13,484	\$ -	\$0	\$0		\$0	\$0	\$13,484
Lithgow	Reticulation	Water Mains	Wm200194		1950	\$ 13,033	\$ 13,484	\$ -	\$0	\$0		\$0	\$0	\$13,484
Lithgow	Reticulation	Water Mains	Wm200195		1950	\$ 408	\$ 415	\$ -	\$0	\$0		\$0	\$0	\$415
Lithgow	Reticulation	Water Mains	Wm200196		1950	\$ 12,262	\$ 12,532	\$ -	\$0	\$0		\$0	\$0	\$12,532
Lithgow	Reticulation	Water Mains	Wm200197		1950	\$ 416	\$ 425	\$ -	\$0	\$0		\$0	\$0	\$425
Lithgow	Reticulation	Water Mains	Wm200198		1950	\$ 9,607	\$ 9,818	\$ -	\$0	\$0		\$0	\$0	\$9,818
Lithgow	Reticulation	Water Mains	Wm200199		1950	\$ 242	\$ 248	\$ -	\$0	\$0		\$0	\$0	\$248
Lithgow	Reticulation	Water Mains	Wm200200		1950	\$ 11,445	\$ 11,697	\$ -	\$0	\$0		\$0	\$0	\$11,697
Lithgow	Reticulation	Water Mains	Wm200201		1950	\$ 624	\$ 638	\$ -	\$0	\$0		\$0	\$0	\$638
Lithgow	Reticulation	Water Mains	Wm200202		1950	\$ 256	\$ 262	\$ -	\$0	\$0		\$0	\$0	\$262
Lithgow	Reticulation	Water Mains	Wm200203		1950	\$ 17,247	\$ 17,626	\$ -	\$0	\$0		\$0	\$0	\$17,626
Lithgow	Reticulation	Water Mains	Wm200204		1950	\$ 4,812	\$ 4,918	\$ -	\$0	\$0		\$0	\$0	\$4,918
Lithgow	Reticulation	Water Mains	Wm200205		1950	\$ 241	\$ 247	\$ -	\$0	\$0		\$0	\$0	\$247
Lithgow	Reticulation	Water Mains	Wm200206		1950	\$ 263	\$ 269	\$ -	\$0	\$0		\$0	\$0	\$269
Lithgow	Reticulation	Water Mains	Wm200207		1950	\$ 1,040	\$ 1,058	\$ -	\$0	\$0		\$0	\$0	\$1,058
Lithgow	Reticulation	Water Mains	Wm200208		1950	\$ 205	\$ 208	\$ -	\$0	\$0		\$0	\$0	\$208
Lithgow	Reticulation	Water Mains	Wm200210		1950	\$ 34,329	\$ 35,084	\$ -	\$0	\$0		\$0	\$0	\$35,084

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Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200211		1950	\$ 308 \$	\$ 315 \$	-	\$0	\$0		\$0	\$0	\$315
Lithgow	Reticulation	Water Mains	Wm200212		1950	\$ 48,39 \$	\$ 49,106 \$	-	\$0	\$0		\$0	\$0	\$49,106
Lithgow	Reticulation	Water Mains	Wm200213		1950	\$ 429 \$	\$ 434 \$	-	\$0	\$0		\$0	\$0	\$434
Lithgow	Reticulation	Water Mains	Wm200214		1950	\$ 386 \$	\$ 394 \$	-	\$0	\$0		\$0	\$0	\$394
Lithgow	Reticulation	Water Mains	Wm200215		1950	\$ 4,715 \$	\$ 4,819 \$	-	\$0	\$0		\$0	\$0	\$4,819
Lithgow	Reticulation	Water Mains	Wm200216		1950	\$ 1,283 \$	\$ 1,310 \$	-	\$0	\$0		\$0	\$0	\$1,310
Lithgow	Reticulation	Water Mains	Wm200217		1950	\$ 105 \$	\$ 107 \$	-	\$0	\$0		\$0	\$0	\$107
Lithgow	Reticulation	Water Mains	Wm200218		1950	\$ 24,900 \$	\$ 25,448 \$	-	\$0	\$0		\$0	\$0	\$25,448
Lithgow	Reticulation	Water Mains	Wm200219		1950	\$ 226 \$	\$ 231 \$	-	\$0	\$0		\$0	\$0	\$231
Lithgow	Reticulation	Water Mains	Wm200220		1950	\$ 11,398 \$	\$ 11,649 \$	-	\$0	\$0		\$0	\$0	\$11,649
Lithgow	Reticulation	Water Mains	Wm200221		1950	\$ 25,142 \$	\$ 25,695 \$	-	\$0	\$0		\$0	\$0	\$25,695
Lithgow	Reticulation	Water Mains	Wm200222		1950	\$ 140 \$	\$ 143 \$	-	\$0	\$0		\$0	\$0	\$143
Lithgow	Reticulation	Water Mains	Wm200223		1950	\$ 1,205 \$	\$ 1,232 \$	-	\$0	\$0		\$0	\$0	\$1,232
Lithgow	Reticulation	Water Mains	Wm200224		1950	\$ 557 \$	\$ 569 \$	-	\$0	\$0		\$0	\$0	\$569
Lithgow	Reticulation	Water Mains	Wm200225		1950	\$ 10,333 \$	\$ 10,560 \$	-	\$0	\$0		\$0	\$0	\$10,560
Lithgow	Reticulation	Water Mains	Wm200226		1950	\$ 4,474 \$	\$ 4,581 \$	-	\$0	\$0		\$0	\$0	\$4,581
Lithgow	Reticulation	Water Mains	Wm200227		1950	\$ 767 \$	\$ 784 \$	-	\$0	\$0		\$0	\$0	\$784
Lithgow	Reticulation	Water Mains	Wm200228		1950	\$ 4,749 \$	\$ 4,804 \$	-	\$0	\$0		\$0	\$0	\$4,804
Lithgow	Reticulation	Water Mains	Wm200229		1950	\$ 46,373 \$	\$ 47,393 \$	-	\$0	\$0		\$0	\$0	\$47,393
Lithgow	Reticulation	Water Mains	Wm200230		1950	\$ 3,951 \$	\$ 4,038 \$	-	\$0	\$0		\$0	\$0	\$4,038
Lithgow	Reticulation	Water Mains	Wm200231		1950	\$ 4,744 \$	\$ 4,848 \$	-	\$0	\$0		\$0	\$0	\$4,848
Lithgow	Reticulation	Water Mains	Wm200232		1950	\$ 14,249 \$	\$ 14,562 \$	-	\$0	\$0		\$0	\$0	\$14,562
Lithgow	Reticulation	Water Mains	Wm200233		1950	\$ 103 \$	\$ 105 \$	-	\$0	\$0		\$0	\$0	\$105
Lithgow	Reticulation	Water Mains	Wm200235		1950	\$ 9,576 \$	\$ 9,786 \$	-	\$0	\$0		\$0	\$0	\$9,786
Lithgow	Reticulation	Water Mains	Wm200236		1950	\$ 23,032 \$	\$ 23,539 \$	-	\$0	\$0		\$0	\$0	\$23,539
Lithgow	Reticulation	Water Mains	Wm200237		1950	\$ 2,143 \$	\$ 2,190 \$	-	\$0	\$0		\$0	\$0	\$2,190
Lithgow	Reticulation	Water Mains	Wm200238		1950	\$ 22,763 \$	\$ 23,264 \$	-	\$0	\$0		\$0	\$0	\$23,264
Lithgow	Reticulation	Water Mains	Wm200239		1950	\$ 2,977 \$	\$ 3,043 \$	-	\$0	\$0		\$0	\$0	\$3,043
Lithgow	Reticulation	Water Mains	Wm200240		1950	\$ 6,757 \$	\$ 6,906 \$	-	\$0	\$0		\$0	\$0	\$6,906
Lithgow	Reticulation	Water Mains	Wm200241		1950	\$ 15,137 \$	\$ 15,472 \$	-	\$0	\$0		\$0	\$0	\$15,472
Lithgow	Reticulation	Water Mains	Wm200242		1950	\$ 21,984 \$	\$ 22,467 \$	-	\$0	\$0		\$0	\$0	\$22,467
Lithgow	Reticulation	Water Mains	Wm200243		1950	\$ 1,104 \$	\$ 1,128 \$	-	\$0	\$0		\$0	\$0	\$1,128
Lithgow	Reticulation	Water Mains	Wm200244		1950	\$ 17,054 \$	\$ 17,429 \$	-	\$0	\$0		\$0	\$0	\$17,429
Lithgow	Reticulation	Water Mains	Wm200245		1950	\$ 24,543 \$	\$ 25,083 \$	-	\$0	\$0		\$0	\$0	\$25,083
Lithgow	Reticulation	Water Mains	Wm200246		1950	\$ 8,962 \$	\$ 9,159 \$	-	\$0	\$0		\$0	\$0	\$9,159
Lithgow	Reticulation	Water Mains	Wm200247		1950	\$ 27 \$	\$ 28 \$	-	\$0	\$0		\$0	\$0	\$28
Lithgow	Reticulation	Water Mains	Wm200248		1950	\$ 1,846 \$	\$ 1,886 \$	-	\$0	\$0		\$0	\$0	\$1,886
Lithgow	Reticulation	Water Mains	Wm200249		1950	\$ 37,206 \$	\$ 38,025 \$	-	\$0	\$0		\$0	\$0	\$38,025
Lithgow	Reticulation	Water Mains	Wm200250		1950	\$ 4,582 \$	\$ 4,683 \$	-	\$0	\$0		\$0	\$0	\$4,683
Lithgow	Reticulation	Water Mains	Wm200251		1950	\$ 3,047 \$	\$ 3,114 \$	-	\$0	\$0		\$0	\$0	\$3,114
Lithgow	Reticulation	Water Mains	Wm200252		1950	\$ 97,815 \$	\$ 99,967 \$	-	\$0	\$0		\$0	\$0	\$99,967
Lithgow	Reticulation	Water Mains	Wm200253		1950	\$ 8,349 \$	\$ 8,533 \$	-	\$0	\$0		\$0	\$0	\$8,533
Lithgow	Reticulation	Water Mains	Wm200254		1950	\$ 16,137 \$	\$ 16,472 \$	-	\$0	\$0		\$0	\$0	\$16,472
Lithgow	Reticulation	Water Mains	Wm200255		1950	\$ 12,368 \$	\$ 12,598 \$	-	\$0	\$0		\$0	\$0	\$12,598
Lithgow	Reticulation	Water Mains	Wm200256		1950	\$ 241 \$	\$ 248 \$	-	\$0	\$0		\$0	\$0	\$248
Lithgow	Reticulation	Water Mains	Wm200259		1950	\$ 77 \$	\$ 79 \$	-	\$0	\$0		\$0	\$0	\$79
Lithgow	Reticulation	Water Mains	Wm200260		1950	\$ 18,993 \$	\$ 19,411 \$	-	\$0	\$0		\$0	\$0	\$19,411
Lithgow	Reticulation	Water Mains	Wm200261		1950	\$ 8,757 \$	\$ 8,950 \$	-	\$0	\$0		\$0	\$0	\$8,950
Lithgow	Reticulation	Water Mains	Wm200262		1950	\$ 17,756 \$	\$ 18,147 \$	-	\$0	\$0		\$0	\$0	\$18,147
Lithgow	Reticulation	Water Mains	Wm200263		1950	\$ 908 \$	\$ 928 \$	-	\$0	\$0		\$0	\$0	\$928
Lithgow	Reticulation	Water Mains	Wm200264		1950	\$ 7,936 \$	\$ 8,110 \$	-	\$0	\$0		\$0	\$0	\$8,110
Lithgow	Reticulation	Water Mains	Wm200265		1950	\$ 1,296 \$	\$ 1,325 \$	-	\$0	\$0		\$0	\$0	\$1,325
Lithgow	Reticulation	Water Mains	Wm200266		1950	\$ 2,167 \$	\$ 2,214 \$	-	\$0	\$0		\$0	\$0	\$2,214
Lithgow	Reticulation	Water Mains	Wm200267		1950	\$ 26,036 \$	\$ 26,609 \$	-	\$0	\$0		\$0	\$0	\$26,609
Lithgow	Reticulation	Water Mains	Wm200268		1950	\$ 2,273 \$	\$ 2,323 \$	-	\$0	\$0		\$0	\$0	\$2,323
Lithgow	Reticulation	Water Mains	Wm200269		1950	\$ 1,314 \$	\$ 1,351 \$	-	\$0	\$0		\$0	\$0	\$1,351
Lithgow	Reticulation	Water Mains	Wm200270		1950	\$ 35,149 \$	\$ 36,062 \$	-	\$0	\$0		\$0	\$0	\$36,062
Lithgow	Reticulation	Water Mains	Wm200271		1950	\$ 2,196 \$	\$ 2,244 \$	-	\$0	\$0		\$0	\$0	\$2,244
Lithgow	Reticulation	Water Mains	Wm200272		1950	\$ 46,058 \$	\$ 47,071 \$	-	\$0	\$0		\$0	\$0	\$47,071
Lithgow	Reticulation	Water Mains	Wm200273		1950	\$ 47,728 \$	\$ 48,778 \$	-	\$0	\$0		\$0	\$0	\$48,778
Lithgow	Reticulation	Water Mains	Wm200274		1950	\$ 3,711 \$	\$ 3,793 \$	-	\$0	\$0		\$0	\$0	\$3,793
Lithgow	Reticulation	Water Mains	Wm200275		1950	\$ 1,931 \$	\$ 1,973 \$	-	\$0	\$0		\$0	\$0	\$1,973
Lithgow	Reticulation	Water Mains	Wm200276		1950	\$ 24,368 \$	\$ 24,904 \$	-	\$0	\$0		\$0	\$0	\$24,904
Lithgow	Reticulation	Water Mains	Wm200277		1950	\$ 625 \$	\$ 639 \$	-	\$0	\$0		\$0	\$0	\$639
Lithgow	Reticulation	Water Mains	Wm200278		1950	\$ 61,800 \$	\$ 63,160 \$	-	\$0	\$0		\$0	\$0	\$63,160
Lithgow	Reticulation	Water Mains	Wm200279		1950	\$ 1,852 \$	\$ 1,893 \$	-	\$0	\$0		\$0	\$0	\$1,893
Lithgow	Reticulation	Water Mains	Wm200280		1950	\$ 14,363 \$	\$ 14,679 \$	-	\$0	\$0		\$0	\$0	\$14,679
Lithgow	Reticulation	Water Mains	Wm200281		1950	\$ 1,704 \$	\$ 1,752 \$	-	\$0	\$0		\$0	\$0	\$1,752
Lithgow	Reticulation	Water Mains	Wm200282		1950	\$ 16,381 \$	\$ 16,741 \$	-	\$0	\$0		\$0	\$0	\$16,741
Lithgow	Reticulation	Water Mains	Wm200283		1950	\$ 35,149 \$	\$ 36,062 \$	-	\$0	\$0		\$0	\$0	\$36,062
Lithgow	Reticulation	Water Mains	Wm200284		1950	\$ 434 \$	\$ 443 \$	-	\$0	\$0		\$0	\$0	\$443
Lithgow	Reticulation	Water Mains	Wm200285		1950	\$ 292 \$	\$ 298 \$	-	\$0	\$0		\$0	\$0	\$298
Lithgow	Reticulation	Water Mains	Wm200286		1950	\$ 520 \$	\$ 540 \$	-	\$0	\$0		\$0	\$0	\$540
Lithgow	Reticulation	Water Mains	Wm200287		1950	\$ 40 \$	\$ 41 \$	-	\$0	\$0		\$0	\$0	\$41
Lithgow	Reticulation	Water Mains	Wm200288		1950	\$ 23,649 \$	\$ 24,169 \$	-	\$0	\$0		\$0	\$0	\$24,169
Lithgow	Reticulation	Water Mains	Wm200289		1950	\$ 2,477 \$	\$ 2,532 \$	-	\$0	\$0		\$0	\$0	\$2,532
Lithgow	Reticulation	Water Mains	Wm200290		1950	\$ 15,004 \$	\$ 15,334 \$	-	\$0	\$0		\$0	\$0	\$15,334
Lithgow	Reticulation	Water Mains	Wm200291		1950	\$ 37,381 \$	\$ 38,204 \$	-	\$0	\$0		\$0	\$0	\$38,204
Lithgow	Reticulation	Water Mains	Wm200292		1950	\$ 20,271 \$	\$ 20,717 \$	-	\$0	\$0		\$0	\$0	\$20,717
Lithgow	Reticulation	Water Mains	Wm200293		1950	\$ 336 \$	\$ 343 \$	-	\$0	\$0		\$0	\$0	\$343
Lithgow	Reticulation	Water Mains	Wm200294		1950	\$ 342 \$	\$ 350 \$	-	\$0	\$0		\$0	\$0	\$350
Lithgow	Reticulation	Water Mains	Wm200295		1950	\$ 2,510 \$	\$ 2,565 \$	-	\$0	\$0		\$0	\$0	\$2,565
Lithgow	Reticulation	Water Mains	Wm200296		1950	\$ 32,306 \$	\$ 33,017 \$	-	\$0	\$0		\$0	\$0	\$33,017
Lithgow	Reticulation	Water Mains	Wm200297		1950	\$ 32,306 \$	\$ 33,017 \$	-	\$0	\$0		\$0	\$0	\$33,017
Lithgow	Reticulation	Water Mains	Wm200298		1950	\$ 32,331 \$	\$ 33,042 \$	-	\$0	\$0		\$0	\$0	\$33,042
Lithgow	Reticulation	Water Mains	Wm200299		1950	\$ 16,449 \$	\$ 16,821 \$	-	\$0	\$0		\$0	\$0	\$16,821

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200300		1950	\$ 569	\$ 520	-	\$0	\$0				\$520
Lithgow	Reticulation	Water Mains	Wm200301		1950	\$ 34,136	\$ 35,114	-	\$0	\$0				\$35,114
Lithgow	Reticulation	Water Mains	Wm200302		1950	\$ 34,136	\$ 35,114	-	\$0	\$0				\$35,114
Lithgow	Reticulation	Water Mains	Wm200303		1950	\$ 39,617	\$ 40,488	-	\$0	\$0				\$40,488
Lithgow	Reticulation	Water Mains	Wm200304		1950	\$ 67	\$ 69	-	\$0	\$0				\$69
Lithgow	Reticulation	Water Mains	Wm200305		1950	\$ 16,246	\$ 16,624	-	\$0	\$0				\$16,624
Lithgow	Reticulation	Water Mains	Wm200306		1950	\$ 106	\$ 108	-	\$0	\$0				\$108
Lithgow	Reticulation	Water Mains	Wm200307		1950	\$ 12,489	\$ 12,764	-	\$0	\$0				\$12,764
Lithgow	Reticulation	Water Mains	Wm200308		1950	\$ 1,823	\$ 1,863	-	\$0	\$0				\$1,863
Lithgow	Reticulation	Water Mains	Wm200309		1950	\$ 10,466	\$ 10,696	-	\$0	\$0				\$10,696
Lithgow	Reticulation	Water Mains	Wm200310		1950	\$ 14,328	\$ 14,643	-	\$0	\$0				\$14,643
Lithgow	Reticulation	Water Mains	Wm200311		1950	\$ 81	\$ 82	-	\$0	\$0				\$82
Lithgow	Reticulation	Water Mains	Wm200312		1950	\$ 107	\$ 110	-	\$0	\$0				\$110
Lithgow	Reticulation	Water Mains	Wm200313		1950	\$ 21,968	\$ 22,451	-	\$0	\$0				\$22,451
Lithgow	Reticulation	Water Mains	Wm200314		1950	\$ 10,748	\$ 11,036	-	\$0	\$0				\$11,036
Lithgow	Reticulation	Water Mains	Wm200315		1950	\$ 34,144	\$ 35,117	-	\$0	\$0				\$35,117
Lithgow	Reticulation	Water Mains	Wm200316		1950	\$ 11,075	\$ 11,517	-	\$0	\$0				\$11,517
Lithgow	Reticulation	Water Mains	Wm200317		1950	\$ 1,474	\$ 1,484	-	\$0	\$0				\$1,484
Lithgow	Reticulation	Water Mains	Wm200318		1950	\$ 7,108	\$ 7,264	-	\$0	\$0				\$7,264
Lithgow	Reticulation	Water Mains	Wm200319		1950	\$ 53	\$ 54	-	\$0	\$0				\$54
Lithgow	Reticulation	Water Mains	Wm200320		1950	\$ 921	\$ 932	-	\$0	\$0				\$932
Lithgow	Reticulation	Water Mains	Wm200321		1950	\$ 1,180	\$ 1,206	-	\$0	\$0				\$1,206
Lithgow	Reticulation	Water Mains	Wm200322		1950	\$ 10,526	\$ 10,757	-	\$0	\$0				\$10,757
Lithgow	Reticulation	Water Mains	Wm200323		1950	\$ 54	\$ 55	-	\$0	\$0				\$55
Lithgow	Reticulation	Water Mains	Wm200324		1950	\$ 22,203	\$ 22,691	-	\$0	\$0				\$22,691
Lithgow	Reticulation	Water Mains	Wm200325		1950	\$ 29	\$ 30	-	\$0	\$0				\$30
Lithgow	Reticulation	Water Mains	Wm200326		1950	\$ 23,624	\$ 24,143	-	\$0	\$0				\$24,143
Lithgow	Reticulation	Water Mains	Wm200327		1950	\$ 12,998	\$ 13,244	-	\$0	\$0				\$13,244
Lithgow	Reticulation	Water Mains	Wm200328		1950	\$ 11,968	\$ 11,969	-	\$0	\$0				\$11,969
Lithgow	Reticulation	Water Mains	Wm200329		1950	\$ 11,974	\$ 11,974	-	\$0	\$0				\$11,974
Lithgow	Reticulation	Water Mains	Wm200330		1950	\$ 21,076	\$ 21,530	-	\$0	\$0				\$21,530
Lithgow	Reticulation	Water Mains	Wm200331		1950	\$ 42,220	\$ 43,149	-	\$0	\$0				\$43,149
Lithgow	Reticulation	Water Mains	Wm200332		1950	\$ 5,317	\$ 5,434	-	\$0	\$0				\$5,434
Lithgow	Reticulation	Water Mains	Wm200333		1979	\$ 699	\$ 714	-	\$0	\$0				\$714
Lithgow	Reticulation	Water Mains	Wm200334		1950	\$ 40	\$ 41	-	\$0	\$0				\$41
Lithgow	Reticulation	Water Mains	Wm200335		1950	\$ 33,265	\$ 33,997	-	\$0	\$0				\$33,997
Lithgow	Reticulation	Water Mains	Wm200336		1950	\$ 10,862	\$ 11,101	-	\$0	\$0				\$11,101
Lithgow	Reticulation	Water Mains	Wm200337		1950	\$ 12,997	\$ 13,282	-	\$0	\$0				\$13,282
Lithgow	Reticulation	Water Mains	Wm200338		1950	\$ 2,907	\$ 2,971	-	\$0	\$0				\$2,971
Lithgow	Reticulation	Water Mains	Wm200339		1950	\$ 5,307	\$ 5,424	-	\$0	\$0				\$5,424
Lithgow	Reticulation	Water Mains	Wm200340		1950	\$ 56,264	\$ 57,502	-	\$0	\$0				\$57,502
Lithgow	Reticulation	Water Mains	Wm200341		1950	\$ 36	\$ 48	-	\$0	\$0				\$50
Lithgow	Reticulation	Water Mains	Wm200342		1950	\$ 36,115	\$ 37,522	-	\$0	\$0				\$37,522
Lithgow	Reticulation	Water Mains	Wm200343		1950	\$ 31,459	\$ 32,633	-	\$0	\$0				\$32,633
Lithgow	Reticulation	Water Mains	Wm200344		1950	\$ 29,529	\$ 30,170	-	\$0	\$0				\$30,170
Lithgow	Reticulation	Water Mains	Wm200345		1950	\$ 199	\$ 203	-	\$0	\$0				\$203
Lithgow	Reticulation	Water Mains	Wm200346		1950	\$ 10,386	\$ 10,615	-	\$0	\$0				\$10,615
Lithgow	Reticulation	Water Mains	Wm200347		1950	\$ 17,870	\$ 18,263	-	\$0	\$0				\$18,263
Lithgow	Reticulation	Water Mains	Wm200348		1950	\$ 14,380	\$ 14,696	-	\$0	\$0				\$14,696
Lithgow	Reticulation	Water Mains	Wm200349		1950	\$ 8,603	\$ 8,793	-	\$0	\$0				\$8,793
Lithgow	Reticulation	Water Mains	Wm200350		1950	\$ 2,106	\$ 2,153	-	\$0	\$0				\$2,153
Lithgow	Reticulation	Water Mains	Wm200351		1950	\$ 14,766	\$ 15,091	-	\$0	\$0				\$15,091
Lithgow	Reticulation	Water Mains	Wm200352		1950	\$ 691	\$ 707	-	\$0	\$0				\$707
Lithgow	Reticulation	Water Mains	Wm200353		1950	\$ 2,365	\$ 2,417	-	\$0	\$0				\$2,417
Lithgow	Reticulation	Water Mains	Wm200354		1950	\$ 1,910	\$ 1,849	-	\$0	\$0				\$1,849
Lithgow	Reticulation	Water Mains	Wm200355		1950	\$ 3,443	\$ 453	-	\$0	\$0				\$453
Lithgow	Reticulation	Water Mains	Wm200356		1950	\$ 34,140	\$ 34,842	-	\$0	\$0				\$34,842
Lithgow	Reticulation	Water Mains	Wm200357		1950	\$ 3,169	\$ 3,169	-	\$0	\$0				\$3,169
Lithgow	Reticulation	Water Mains	Wm200358		1950	\$ 30,029	\$ 30,690	-	\$0	\$0				\$30,690
Lithgow	Reticulation	Water Mains	Wm200359		1950	\$ 4,270	\$ 4,364	-	\$0	\$0				\$4,364
Lithgow	Reticulation	Water Mains	Wm200360		1950	\$ 19,352	\$ 19,778	-	\$0	\$0				\$19,778
Lithgow	Reticulation	Water Mains	Wm200361		1950	\$ 12,097	\$ 12,363	-	\$0	\$0				\$12,363
Lithgow	Reticulation	Water Mains	Wm200362		1950	\$ 14	\$ 14	-	\$0	\$0				\$14
Lithgow	Reticulation	Water Mains	Wm200363		1950	\$ 306	\$ 313	-	\$0	\$0				\$313
Lithgow	Reticulation	Water Mains	Wm200364		1950	\$ 343	\$ 350	-	\$0	\$0				\$350
Lithgow	Reticulation	Water Mains	Wm200365		1950	\$ 15,699	\$ 16,044	-	\$0	\$0				\$16,044
Lithgow	Reticulation	Water Mains	Wm200366		1950	\$ 29,538	\$ 30,188	-	\$0	\$0				\$30,188
Lithgow	Reticulation	Water Mains	Wm200367		1950	\$ 72	\$ 74	-	\$0	\$0				\$74
Lithgow	Reticulation	Water Mains	Wm200368		1950	\$ 2,695	\$ 2,795	-	\$0	\$0				\$2,795
Lithgow	Reticulation	Water Mains	Wm200369		1950	\$ 14,498	\$ 14,817	-	\$0	\$0				\$14,817
Lithgow	Reticulation	Water Mains	Wm200370		1950	\$ 18,382	\$ 18,692	-	\$0	\$0				\$18,692
Lithgow	Reticulation	Water Mains	Wm200371		1950	\$ 26,216	\$ 26,927	-	\$0	\$0				\$26,927
Lithgow	Reticulation	Water Mains	Wm200372		1950	\$ 96	\$ 97	-	\$0	\$0				\$97
Lithgow	Reticulation	Water Mains	Wm200373		1950	\$ 26,454	\$ 27,036	-	\$0	\$0				\$27,036
Lithgow	Reticulation	Water Mains	Wm200374		1950	\$ 232	\$ 237	-	\$0	\$0				\$237
Lithgow	Reticulation	Water Mains	Wm200375		1950	\$ 41,331	\$ 42,241	-	\$0	\$0				\$42,241
Lithgow	Reticulation	Water Mains	Wm200376		1950	\$ 33,023	\$ 33,750	-	\$0	\$0				\$33,750
Lithgow	Reticulation	Water Mains	Wm200377		1950	\$ 44,456	\$ 45,434	-	\$0	\$0				\$45,434
Lithgow	Reticulation	Water Mains	Wm200378		1950	\$ 987	\$ 1,009	-	\$0	\$0				\$1,009
Lithgow	Reticulation	Water Mains	Wm200379		1950	\$ 1,269	\$ 1,296	-	\$0	\$0				\$1,296
Lithgow	Reticulation	Water Mains	Wm200380		1950	\$ 54	\$ 55	-	\$0	\$0				\$55
Lithgow	Reticulation	Water Mains	Wm200381		1950	\$ 4,995	\$ 5,105	-	\$0	\$0				\$5,105
Lithgow	Reticulation	Water Mains	Wm200382		1950	\$ 8,557	\$ 8,748	-	\$0	\$0				\$8,748
Lithgow	Reticulation	Water Mains	Wm200383		1950	\$ 1,468	\$ 1,478	-	\$0	\$0				\$1,478
Lithgow	Reticulation	Water Mains	Wm200384		1950	\$ 1,591	\$ 1,610	-	\$0	\$0				\$1,610
Lithgow	Reticulation	Water Mains	Wm200385		1950	\$ 11,993	\$ 12,170	-	\$0	\$0				\$12,170
Lithgow	Reticulation	Water Mains	Wm200386		1950	\$ 14,583	\$ 14,904	-	\$0	\$0				\$14,904

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Lithgow	Reticulation	Water Mains	Wm200387		1950	\$ 67	\$ 68	-	\$0	\$0		\$0	\$0	\$85
Lithgow	Reticulation	Water Mains	Wm200388		1950	\$ 70	\$ 71	-	\$0	\$0		\$0	\$0	\$71
Lithgow	Reticulation	Water Mains	Wm200389		1950	\$ 31,396	\$ 32,066	-	\$0	\$0		\$0	\$0	\$32,066
Lithgow	Reticulation	Water Mains	Wm200390		1950	\$ 27,716	\$ 28,326	-	\$0	\$0		\$0	\$0	\$28,326
Lithgow	Reticulation	Water Mains	Wm200391		1950	\$ 16,730	\$ 17,089	-	\$0	\$0		\$0	\$0	\$17,089
Lithgow	Reticulation	Water Mains	Wm200392		1950	\$ 205	\$ 209	-	\$0	\$0		\$0	\$0	\$209
Lithgow	Reticulation	Water Mains	Wm200393		1950	\$ 10,843	\$ 11,081	-	\$0	\$0		\$0	\$0	\$11,081
Lithgow	Reticulation	Water Mains	Wm200394		1950	\$ 1,588	\$ 1,622	-	\$0	\$0		\$0	\$0	\$1,622
Lithgow	Reticulation	Water Mains	Wm200395		1950	\$ 156	\$ 160	-	\$0	\$0		\$0	\$0	\$160
Lithgow	Reticulation	Water Mains	Wm200396		1950	\$ 292	\$ 299	-	\$0	\$0		\$0	\$0	\$299
Lithgow	Reticulation	Water Mains	Wm200397		1950	\$ 233	\$ 238	-	\$0	\$0		\$0	\$0	\$238
Lithgow	Reticulation	Water Mains	Wm200398		1950	\$ 124	\$ 127	-	\$0	\$0		\$0	\$0	\$127
Lithgow	Reticulation	Water Mains	Wm200399		1950	\$ 43,099	\$ 44,047	-	\$0	\$0		\$0	\$0	\$44,047
Lithgow	Reticulation	Water Mains	Wm200400		1950	\$ 598	\$ 612	-	\$0	\$0		\$0	\$0	\$612
Lithgow	Reticulation	Water Mains	Wm200401		1950	\$ 20,740	\$ 21,196	-	\$0	\$0		\$0	\$0	\$21,196
Lithgow	Reticulation	Water Mains	Wm200402		1950	\$ 1,594	\$ 1,628	-	\$0	\$0		\$0	\$0	\$1,628
Lithgow	Reticulation	Water Mains	Wm200403		1950	\$ 10,969	\$ 11,210	-	\$0	\$0		\$0	\$0	\$11,210
Lithgow	Reticulation	Water Mains	Wm200404		1950	\$ 1,637	\$ 1,673	-	\$0	\$0		\$0	\$0	\$1,673
Lithgow	Reticulation	Water Mains	Wm200405		1950	\$ 1,397	\$ 1,427	-	\$0	\$0		\$0	\$0	\$1,427
Lithgow	Reticulation	Water Mains	Wm200406		1950	\$ 75,060	\$ 76,711	-	\$0	\$0		\$0	\$0	\$76,711
Lithgow	Reticulation	Water Mains	Wm200407		1950	\$ 1,399	\$ 1,430	-	\$0	\$0		\$0	\$0	\$1,430
Lithgow	Reticulation	Water Mains	Wm200408		1950	\$ 1,615	\$ 1,651	-	\$0	\$0		\$0	\$0	\$1,651
Lithgow	Reticulation	Water Mains	Wm200409		1950	\$ 51	\$ 52	-	\$0	\$0		\$0	\$0	\$52
Lithgow	Reticulation	Water Mains	Wm200410		1950	\$ 4,502	\$ 4,601	-	\$0	\$0		\$0	\$0	\$4,601
Lithgow	Reticulation	Water Mains	Wm200411		1950	\$ 16,276	\$ 16,634	-	\$0	\$0		\$0	\$0	\$16,634
Lithgow	Reticulation	Water Mains	Wm200412		1950	\$ 6,816	\$ 6,966	-	\$0	\$0		\$0	\$0	\$6,966
Lithgow	Reticulation	Water Mains	Wm200413		1950	\$ 41	\$ 42	-	\$0	\$0		\$0	\$0	\$42
Lithgow	Reticulation	Water Mains	Wm200414		1950	\$ 3,996	\$ 4,043	-	\$0	\$0		\$0	\$0	\$4,043
Lithgow	Reticulation	Water Mains	Wm200415		1950	\$ 2,315	\$ 2,422	-	\$0	\$0		\$0	\$0	\$2,422
Lithgow	Reticulation	Water Mains	Wm200416		1950	\$ 15,397	\$ 15,736	-	\$0	\$0		\$0	\$0	\$15,736
Lithgow	Reticulation	Water Mains	Wm200417		1950	\$ 1,036	\$ 1,059	-	\$0	\$0		\$0	\$0	\$1,059
Lithgow	Reticulation	Water Mains	Wm200418		1950	\$ 5,618	\$ 5,742	-	\$0	\$0		\$0	\$0	\$5,742
Lithgow	Reticulation	Water Mains	Wm200419		1950	\$ 3,528	\$ 3,605	-	\$0	\$0		\$0	\$0	\$3,605
Lithgow	Reticulation	Water Mains	Wm200420		1950	\$ 11,912	\$ 12,174	-	\$0	\$0		\$0	\$0	\$12,174
Lithgow	Reticulation	Water Mains	Wm200421		1950	\$ 6,556	\$ 6,701	-	\$0	\$0		\$0	\$0	\$6,701
Lithgow	Reticulation	Water Mains	Wm200422		1950	\$ 10,202	\$ 10,426	-	\$0	\$0		\$0	\$0	\$10,426
Lithgow	Reticulation	Water Mains	Wm200423		1950	\$ 2,703	\$ 2,763	-	\$0	\$0		\$0	\$0	\$2,763
Lithgow	Reticulation	Water Mains	Wm200424		1950	\$ 3,369	\$ 3,443	-	\$0	\$0		\$0	\$0	\$3,443
Lithgow	Reticulation	Water Mains	Wm200425		1950	\$ 20,030	\$ 20,471	-	\$0	\$0		\$0	\$0	\$20,471
Lithgow	Reticulation	Water Mains	Wm200426		1950	\$ 63	\$ 64	-	\$0	\$0		\$0	\$0	\$64
Lithgow	Reticulation	Water Mains	Wm200427		1950	\$ 1,549	\$ 1,583	-	\$0	\$0		\$0	\$0	\$1,583
Lithgow	Reticulation	Water Mains	Wm200428		1950	\$ 2,104	\$ 2,194	-	\$0	\$0		\$0	\$0	\$2,194
Lithgow	Reticulation	Water Mains	Wm200429		1950	\$ 3,971	\$ 4,061	-	\$0	\$0		\$0	\$0	\$4,061
Lithgow	Reticulation	Water Mains	Wm200430		1950	\$ 1,483	\$ 1,516	-	\$0	\$0		\$0	\$0	\$1,516
Lithgow	Reticulation	Water Mains	Wm200431		1950	\$ 204	\$ 208	-	\$0	\$0		\$0	\$0	\$208
Lithgow	Reticulation	Water Mains	Wm200432		1950	\$ 68	\$ 69	-	\$0	\$0		\$0	\$0	\$69
Lithgow	Reticulation	Water Mains	Wm200433		1950	\$ 54	\$ 55	-	\$0	\$0		\$0	\$0	\$55
Lithgow	Reticulation	Water Mains	Wm200434		1950	\$ 1,956	\$ 1,999	-	\$0	\$0		\$0	\$0	\$1,999
Lithgow	Reticulation	Water Mains	Wm200435		1950	\$ 113	\$ 116	-	\$0	\$0		\$0	\$0	\$116
Lithgow	Reticulation	Water Mains	Wm200436		1950	\$ 10,911	\$ 11,151	-	\$0	\$0		\$0	\$0	\$11,151
Lithgow	Reticulation	Water Mains	Wm200437		1950	\$ 35	\$ 35	-	\$0	\$0		\$0	\$0	\$35
Lithgow	Reticulation	Water Mains	Wm200438		1957	\$ 38	\$ 40	-	\$0	\$0		\$0	\$0	\$40
Lithgow	Reticulation	Water Mains	Wm200439		1957	\$ 215	\$ 220	-	\$0	\$0		\$0	\$0	\$220
Lithgow	Reticulation	Water Mains	Wm200440		1957	\$ 103	\$ 104	-	\$0	\$0		\$0	\$0	\$104
Lithgow	Reticulation	Water Mains	Wm200441		1957	\$ 137	\$ 140	-	\$0	\$0		\$0	\$0	\$140
Lithgow	Reticulation	Water Mains	Wm200442		1957	\$ 2,121	\$ 2,169	-	\$0	\$0		\$0	\$0	\$2,169
Lithgow	Reticulation	Water Mains	Wm200443		1957	\$ 1,256	\$ 1,284	-	\$0	\$0		\$0	\$0	\$1,284
Lithgow	Reticulation	Water Mains	Wm200444		1950	\$ 1,257	\$ 1,284	-	\$0	\$0		\$0	\$0	\$1,284
Lithgow	Reticulation	Water Mains	Wm200445		1950	\$ 710	\$ 725	-	\$0	\$0		\$0	\$0	\$725
Lithgow	Reticulation	Water Mains	Wm200446		1950	\$ 5,351	\$ 5,469	-	\$0	\$0		\$0	\$0	\$5,469
Lithgow	Reticulation	Water Mains	Wm200447		1950	\$ 9,639	\$ 9,851	-	\$0	\$0		\$0	\$0	\$9,851
Lithgow	Reticulation	Water Mains	Wm200448		1950	\$ 10,384	\$ 10,613	-	\$0	\$0		\$0	\$0	\$10,613
Lithgow	Reticulation	Water Mains	Wm200449		1950	\$ 400	\$ 409	-	\$0	\$0		\$0	\$0	\$409
Lithgow	Reticulation	Water Mains	Wm200450		1950	\$ 1,084	\$ 1,107	-	\$0	\$0		\$0	\$0	\$1,107
Lithgow	Reticulation	Water Mains	Wm200451		1950	\$ 28	\$ 29	-	\$0	\$0		\$0	\$0	\$29
Lithgow	Reticulation	Water Mains	Wm200452		1950	\$ 107,331	\$ 109,693	-	\$0	\$0		\$0	\$0	\$109,693
Lithgow	Reticulation	Water Mains	Wm200453		1950	\$ 23,736	\$ 24,268	-	\$0	\$0		\$0	\$0	\$24,268
Lithgow	Reticulation	Water Mains	Wm200454		1950	\$ 44,113	\$ 45,090	-	\$0	\$0		\$0	\$0	\$45,090
Lithgow	Reticulation	Water Mains	Wm200455		1950	\$ 11	\$ 11	-	\$0	\$0		\$0	\$0	\$11
Lithgow	Reticulation	Water Mains	Wm200456		1950	\$ 12,659	\$ 12,938	-	\$0	\$0		\$0	\$0	\$12,938
Lithgow	Reticulation	Water Mains	Wm200457		1950	\$ 871	\$ 890	-	\$0	\$0		\$0	\$0	\$890
Lithgow	Reticulation	Water Mains	Wm200458		1950	\$ 41	\$ 42	-	\$0	\$0		\$0	\$0	\$42
Lithgow	Reticulation	Water Mains	Wm200459		1950	\$ 2,971	\$ 2,628	-	\$0	\$0		\$0	\$0	\$2,628
Lithgow	Reticulation	Water Mains	Wm200460		1950	\$ 11	\$ 11	-	\$0	\$0		\$0	\$0	\$11
Lithgow	Reticulation	Water Mains	Wm200461		1950	\$ 51	\$ 52	-	\$0	\$0		\$0	\$0	\$52
Lithgow	Reticulation	Water Mains	Wm200462		1950	\$ 169,206	\$ 172,928	-	\$0	\$0		\$0	\$0	\$172,928
Lithgow	Reticulation	Water Mains	Wm200463		1950	\$ 31,487	\$ 32,180	-	\$0	\$0		\$0	\$0	\$32,180
Lithgow	Reticulation	Water Mains	Wm200464		1950	\$ 6,819	\$ 6,969	-	\$0	\$0		\$0	\$0	\$6,969
Lithgow	Reticulation	Water Mains	Wm200465		1950	\$ 108	\$ 110	-	\$0	\$0		\$0	\$0	\$110
Lithgow	Reticulation	Water Mains	Wm200466		1957	\$ 3,336	\$ 3,409	-	\$0	\$0		\$0	\$0	\$3,409
Lithgow	Reticulation	Water Mains	Wm200467		1957	\$ 1,785	\$ 1,824	-	\$0	\$0		\$0	\$0	\$1,824
Lithgow	Reticulation	Water Mains	Wm200468		1957	\$ 397	\$ 403	-	\$0	\$0		\$0	\$0	\$403
Lithgow	Reticulation	Water Mains	Wm200469		1957	\$ 22,015	\$ 22,503	-	\$0	\$0		\$0	\$0	\$22,503
Lithgow	Reticulation	Water Mains	Wm200470		1950			-	\$0	\$0		\$0	\$0	\$0
Lithgow	Reticulation	Water Mains	Wm200471		1950			-	\$0	\$0		\$0	\$0	\$0
Lithgow	Reticulation	Water Mains	Wm200472		1950			-	\$0	\$0		\$0	\$0	\$0
Lithgow	Reticulation	Water Mains	Wm200473		1950			-	\$0	\$0		\$0	\$0	\$0
Lithgow	Reticulation	Water Mains	Wm200474		1950			-	\$0	\$0		\$0	\$0	\$0
Lithgow	Reticulation	Water Mains	Wm200475		1950			-	\$0	\$0		\$0	\$0	\$0

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm2004176		1957	\$ 7,842	\$ 8,014	\$ -	\$0	\$0		\$0	\$0	\$0,014
Lithgow	Reticulation	Water Mains	Wm2004177		1957	\$ 310	\$ 366	\$ -	\$0	\$0		\$0	\$0	\$366
Lithgow	Reticulation	Water Mains	Wm2004178		1950	\$ 296	\$ 306	\$ -	\$0	\$0		\$0	\$0	\$306
Lithgow	Reticulation	Water Mains	Wm2004179		1950	\$ 14,382	\$ 14,688	\$ -	\$0	\$0		\$0	\$0	\$14,688
Lithgow	Reticulation	Water Mains	Wm2004180		1950	\$ 5,341	\$ 5,459	\$ -	\$0	\$0		\$0	\$0	\$5,459
Lithgow	Reticulation	Water Mains	Wm2004181		1950	\$ 2,948	\$ 3,014	\$ -	\$0	\$0		\$0	\$0	\$3,014
Lithgow	Reticulation	Water Mains	Wm2004182		1950	\$ 41,722	\$ 42,640	\$ -	\$0	\$0		\$0	\$0	\$42,640
Lithgow	Reticulation	Water Mains	Wm2004183		1950	\$ 4,161	\$ 4,253	\$ -	\$0	\$0		\$0	\$0	\$4,253
Lithgow	Reticulation	Water Mains	Wm2004184		1950	\$ 58,567	\$ 59,855	\$ -	\$0	\$0		\$0	\$0	\$59,855
Lithgow	Reticulation	Water Mains	Wm2004185		1950	\$ 7,216	\$ 7,374	\$ -	\$0	\$0		\$0	\$0	\$7,374
Lithgow	Reticulation	Water Mains	Wm2004186		1950	\$ 870	\$ 889	\$ -	\$0	\$0		\$0	\$0	\$889
Lithgow	Reticulation	Water Mains	Wm2004187		1950	\$ 48,946	\$ 50,022	\$ -	\$0	\$0		\$0	\$0	\$50,022
Lithgow	Reticulation	Water Mains	Wm2004188		1950	\$ 104	\$ 106	\$ -	\$0	\$0		\$0	\$0	\$106
Lithgow	Reticulation	Water Mains	Wm2004189		1950	\$ 68,050	\$ 70,570	\$ -	\$0	\$0		\$0	\$0	\$70,570
Lithgow	Reticulation	Water Mains	Wm2004190		1950	\$ 15,412	\$ 15,791	\$ -	\$0	\$0		\$0	\$0	\$15,791
Lithgow	Reticulation	Water Mains	Wm2004191		1950	\$ 6,980	\$ 7,032	\$ -	\$0	\$0		\$0	\$0	\$7,032
Lithgow	Reticulation	Water Mains	Wm2004192		1950	\$ 64	\$ 66	\$ -	\$0	\$0		\$0	\$0	\$66
Lithgow	Reticulation	Water Mains	Wm2004193		1950	\$ 150	\$ 153	\$ -	\$0	\$0		\$0	\$0	\$153
Lithgow	Reticulation	Water Mains	Wm2004194		1950	\$ 36,028	\$ 36,820	\$ -	\$0	\$0		\$0	\$0	\$36,820
Lithgow	Reticulation	Water Mains	Wm2004195		1950	\$ 92	\$ 94	\$ -	\$0	\$0		\$0	\$0	\$94
Lithgow	Reticulation	Water Mains	Wm2004196		1950	\$ 48,505	\$ 49,572	\$ -	\$0	\$0		\$0	\$0	\$49,572
Lithgow	Reticulation	Water Mains	Wm2004197		1950	\$ 121	\$ 123	\$ -	\$0	\$0		\$0	\$0	\$123
Lithgow	Reticulation	Water Mains	Wm2004198		1950	\$ 67,619	\$ 69,106	\$ -	\$0	\$0		\$0	\$0	\$69,106
Lithgow	Reticulation	Water Mains	Wm2005001		1950	\$ 4,408	\$ 4,505	\$ -	\$0	\$0		\$0	\$0	\$4,505
Lithgow	Reticulation	Water Mains	Wm2005002		1950	\$ 6,963	\$ 7,116	\$ -	\$0	\$0		\$0	\$0	\$7,116
Lithgow	Reticulation	Water Mains	Wm2005003		1950	\$ 15,903	\$ 16,253	\$ -	\$0	\$0		\$0	\$0	\$16,253
Lithgow	Reticulation	Water Mains	Wm2005004		1950	\$ 22,430	\$ 22,824	\$ -	\$0	\$0		\$0	\$0	\$22,824
Lithgow	Reticulation	Water Mains	Wm2005005		1950	\$ 3,265	\$ 3,276	\$ -	\$0	\$0		\$0	\$0	\$3,276
Lithgow	Reticulation	Water Mains	Wm2005006		1950	\$ 649	\$ 664	\$ -	\$0	\$0		\$0	\$0	\$664
Lithgow	Reticulation	Water Mains	Wm2005007		1950	\$ 24,571	\$ 25,112	\$ -	\$0	\$0		\$0	\$0	\$25,112
Lithgow	Reticulation	Water Mains	Wm2005008		1950	\$ 130	\$ 132	\$ -	\$0	\$0		\$0	\$0	\$132
Lithgow	Reticulation	Water Mains	Wm2005009		1950	\$ 1,317	\$ 1,346	\$ -	\$0	\$0		\$0	\$0	\$1,346
Lithgow	Reticulation	Water Mains	Wm2005010		1950	\$ 17,900	\$ 18,293	\$ -	\$0	\$0		\$0	\$0	\$18,293
Lithgow	Reticulation	Water Mains	Wm2005011		1950	\$ 630	\$ 644	\$ -	\$0	\$0		\$0	\$0	\$644
Lithgow	Reticulation	Water Mains	Wm2005012		1950	\$ 75,347	\$ 77,005	\$ -	\$0	\$0		\$0	\$0	\$77,005
Lithgow	Reticulation	Water Mains	Wm2005013		1950	\$ 929	\$ 950	\$ -	\$0	\$0		\$0	\$0	\$950
Lithgow	Reticulation	Water Mains	Wm2005014		1950	\$ 41,588	\$ 42,482	\$ -	\$0	\$0		\$0	\$0	\$42,482
Lithgow	Reticulation	Water Mains	Wm2005015		1950	\$ 1,409	\$ 1,440	\$ -	\$0	\$0		\$0	\$0	\$1,440
Lithgow	Reticulation	Water Mains	Wm2005016		1950	\$ 233	\$ 235	\$ -	\$0	\$0		\$0	\$0	\$235
Lithgow	Reticulation	Water Mains	Wm2005017		1950	\$ 11,664	\$ 11,921	\$ -	\$0	\$0		\$0	\$0	\$11,921
Lithgow	Reticulation	Water Mains	Wm2005018		1950	\$ 443	\$ 453	\$ -	\$0	\$0		\$0	\$0	\$453
Lithgow	Reticulation	Water Mains	Wm2005019		1950	\$ 16,342	\$ 16,702	\$ -	\$0	\$0		\$0	\$0	\$16,702
Lithgow	Reticulation	Water Mains	Wm2005020		1950	\$ 525	\$ 537	\$ -	\$0	\$0		\$0	\$0	\$537
Lithgow	Reticulation	Water Mains	Wm2005021		1950	\$ 1,353	\$ 1,383	\$ -	\$0	\$0		\$0	\$0	\$1,383
Lithgow	Reticulation	Water Mains	Wm2005022		1950	\$ 391	\$ 400	\$ -	\$0	\$0		\$0	\$0	\$400
Lithgow	Reticulation	Water Mains	Wm2005023		1950	\$ 38,321	\$ 39,164	\$ -	\$0	\$0		\$0	\$0	\$39,164
Lithgow	Reticulation	Water Mains	Wm2005024		1950	\$ 702	\$ 717	\$ -	\$0	\$0		\$0	\$0	\$717
Lithgow	Reticulation	Water Mains	Wm2005025		1950	\$ 40,164	\$ 41,048	\$ -	\$0	\$0		\$0	\$0	\$41,048
Lithgow	Reticulation	Water Mains	Wm2005026		1950	\$ 3,953	\$ 3,938	\$ -	\$0	\$0		\$0	\$0	\$3,938
Lithgow	Reticulation	Water Mains	Wm2005027		1950	\$ 21,532	\$ 22,006	\$ -	\$0	\$0		\$0	\$0	\$22,006
Lithgow	Reticulation	Water Mains	Wm2005028		1950	\$ 22,016	\$ 22,500	\$ -	\$0	\$0		\$0	\$0	\$22,500
Lithgow	Reticulation	Water Mains	Wm2005029		1950	\$ 92	\$ 92	\$ -	\$0	\$0		\$0	\$0	\$92
Lithgow	Reticulation	Water Mains	Wm2005030		1950	\$ 45,410	\$ 46,409	\$ -	\$0	\$0		\$0	\$0	\$46,409
Lithgow	Reticulation	Water Mains	Wm2005031		1950	\$ 269	\$ 275	\$ -	\$0	\$0		\$0	\$0	\$275
Lithgow	Reticulation	Water Mains	Wm2005032		1950	\$ 134	\$ 137	\$ -	\$0	\$0		\$0	\$0	\$137
Lithgow	Reticulation	Water Mains	Wm2005033		1950	\$ 28,684	\$ 29,315	\$ -	\$0	\$0		\$0	\$0	\$29,315
Lithgow	Reticulation	Water Mains	Wm2005034		1950	\$ 194	\$ 198	\$ -	\$0	\$0		\$0	\$0	\$198
Lithgow	Reticulation	Water Mains	Wm2005035		1950	\$ 2,361	\$ 2,413	\$ -	\$0	\$0		\$0	\$0	\$2,413
Lithgow	Reticulation	Water Mains	Wm2005036		1950	\$ 18,678	\$ 19,089	\$ -	\$0	\$0		\$0	\$0	\$19,089
Lithgow	Reticulation	Water Mains	Wm2005037		1950	\$ 462	\$ 472	\$ -	\$0	\$0		\$0	\$0	\$472
Lithgow	Reticulation	Water Mains	Wm2005038		1950	\$ 17,551	\$ 17,937	\$ -	\$0	\$0		\$0	\$0	\$17,937
Lithgow	Reticulation	Water Mains	Wm2005039		1950	\$ 457	\$ 467	\$ -	\$0	\$0		\$0	\$0	\$467
Lithgow	Reticulation	Water Mains	Wm2005040		1950	\$ 37,657	\$ 38,690	\$ -	\$0	\$0		\$0	\$0	\$38,690
Lithgow	Reticulation	Water Mains	Wm2005041		1950	\$ 2,765	\$ 2,826	\$ -	\$0	\$0		\$0	\$0	\$2,826
Lithgow	Reticulation	Water Mains	Wm2005042		1950	\$ 338	\$ 343	\$ -	\$0	\$0		\$0	\$0	\$343
Lithgow	Reticulation	Water Mains	Wm2005043		1950	\$ 323	\$ 328	\$ -	\$0	\$0		\$0	\$0	\$328
Lithgow	Reticulation	Water Mains	Wm2005044		1950	\$ 12,048	\$ 12,313	\$ -	\$0	\$0		\$0	\$0	\$12,313
Lithgow	Reticulation	Water Mains	Wm2005045		1950	\$ 55,044	\$ 56,715	\$ -	\$0	\$0		\$0	\$0	\$56,715
Lithgow	Reticulation	Water Mains	Wm2005046		1950	\$ 2,575	\$ 2,632	\$ -	\$0	\$0		\$0	\$0	\$2,632
Lithgow	Reticulation	Water Mains	Wm2005047		1950	\$ 34,759	\$ 35,524	\$ -	\$0	\$0		\$0	\$0	\$35,524
Lithgow	Reticulation	Water Mains	Wm2005048		1950	\$ 22,868	\$ 23,371	\$ -	\$0	\$0		\$0	\$0	\$23,371
Lithgow	Reticulation	Water Mains	Wm2005049		1950	\$ 1,211	\$ 1,238	\$ -	\$0	\$0		\$0	\$0	\$1,238
Lithgow	Reticulation	Water Mains	Wm2005050		1950	\$ 1,743	\$ 1,781	\$ -	\$0	\$0		\$0	\$0	\$1,781
Lithgow	Reticulation	Water Mains	Wm2005051		1950	\$ 34,574	\$ 35,335	\$ -	\$0	\$0		\$0	\$0	\$35,335
Lithgow	Reticulation	Water Mains	Wm2005052		1950	\$ 55,367	\$ 56,585	\$ -	\$0	\$0		\$0	\$0	\$56,585
Lithgow	Reticulation	Water Mains	Wm2005053		1950	\$ 41,716	\$ 42,634	\$ -	\$0	\$0		\$0	\$0	\$42,634
Lithgow	Reticulation	Water Mains	Wm2005054		1950	\$ 12,544	\$ 12,820	\$ -	\$0	\$0		\$0	\$0	\$12,820
Lithgow	Reticulation	Water Mains	Wm2005055		1950	\$ 33,960	\$ 34,707	\$ -	\$0	\$0		\$0	\$0	\$34,707
Lithgow	Reticulation	Water Mains	Wm2005056		1950	\$ 13,665	\$ 13,992	\$ -	\$0	\$0		\$0	\$0	\$13,992
Lithgow	Reticulation	Water Mains	Wm2005057		1979	\$ 12,811	\$ 13,093	\$ -	\$0	\$0		\$0	\$0	\$13,093
Lithgow	Reticulation	Water Mains	Wm2005058		1979	\$ 12,811	\$ 13,093	\$ -	\$0	\$0		\$0	\$0	\$13,093

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Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200563		1979	\$ 76,055	\$ 77,728	\$ -	\$0	\$0	\$0	\$0	\$0	\$17,728
Lithgow	Reticulation	Water Mains	Wm200564		1979	\$ 2,739	\$ 2,863	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,863
Lithgow	Reticulation	Water Mains	Wm200565		1979	\$ 10,702	\$ 10,550	\$ -	\$0	\$0	\$0	\$0	\$0	\$10,550
Lithgow	Reticulation	Water Mains	Wm200566		1979	\$ 56	\$ 54	\$ -	\$0	\$0	\$0	\$0	\$0	\$54
Lithgow	Reticulation	Water Mains	Wm200567		1979	\$ 80	\$ 80	\$ -	\$0	\$0	\$0	\$0	\$0	\$80
Lithgow	Reticulation	Water Mains	Wm200568		1979	\$ 95,999	\$ 98,111	\$ -	\$0	\$0	\$0	\$0	\$0	\$98,111
Lithgow	Reticulation	Water Mains	Wm200569		1979	\$ 54	\$ 55	\$ -	\$0	\$0	\$0	\$0	\$0	\$55
Lithgow	Reticulation	Water Mains	Wm200570		1979	\$ 3,404	\$ 3,479	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,479
Lithgow	Reticulation	Water Mains	Wm200571		1979	\$ 28,182	\$ 28,802	\$ -	\$0	\$0	\$0	\$0	\$0	\$28,802
Lithgow	Reticulation	Water Mains	Wm200572		1979	\$ 89	\$ 89	\$ -	\$0	\$0	\$0	\$0	\$0	\$89
Lithgow	Reticulation	Water Mains	Wm200573		1979	\$ 92	\$ 94	\$ -	\$0	\$0	\$0	\$0	\$0	\$94
Lithgow	Reticulation	Water Mains	Wm200574		1979	\$ 26,389	\$ 26,970	\$ -	\$0	\$0	\$0	\$0	\$0	\$26,970
Lithgow	Reticulation	Water Mains	Wm200575		1950	\$ 19,680	\$ 20,328	\$ -	\$0	\$0	\$0	\$0	\$0	\$20,328
Lithgow	Reticulation	Water Mains	Wm200576		1950	\$ 1,110	\$ 1,134	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,134
Lithgow	Reticulation	Water Mains	Wm200577		1979	\$ 29,522	\$ 30,171	\$ -	\$0	\$0	\$0	\$0	\$0	\$30,171
Lithgow	Reticulation	Water Mains	Wm200578		1979	\$ 149	\$ 149	\$ -	\$0	\$0	\$0	\$0	\$0	\$149
Lithgow	Reticulation	Water Mains	Wm200579		1979	\$ 70	\$ 72	\$ -	\$0	\$0	\$0	\$0	\$0	\$72
Lithgow	Reticulation	Water Mains	Wm200580		1979	\$ 30	\$ 40	\$ -	\$0	\$0	\$0	\$0	\$0	\$40
Lithgow	Reticulation	Water Mains	Wm200581		1979	\$ 17,500	\$ 17,885	\$ -	\$0	\$0	\$0	\$0	\$0	\$17,885
Lithgow	Reticulation	Water Mains	Wm200582		1979	\$ 91	\$ 93	\$ -	\$0	\$0	\$0	\$0	\$0	\$93
Lithgow	Reticulation	Water Mains	Wm200583		1979	\$ 67	\$ 68	\$ -	\$0	\$0	\$0	\$0	\$0	\$68
Lithgow	Reticulation	Water Mains	Wm200584		1979	\$ 64	\$ 66	\$ -	\$0	\$0	\$0	\$0	\$0	\$66
Lithgow	Reticulation	Water Mains	Wm200585		1979	\$ 16,602	\$ 16,968	\$ -	\$0	\$0	\$0	\$0	\$0	\$16,968
Lithgow	Reticulation	Water Mains	Wm200586		1979	\$ 2,951	\$ 3,016	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,016
Lithgow	Reticulation	Water Mains	Wm200587		1979	\$ 2,055	\$ 2,100	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,100
Lithgow	Reticulation	Water Mains	Wm200588		1979	\$ 31,315	\$ 32,003	\$ -	\$0	\$0	\$0	\$0	\$0	\$32,003
Lithgow	Reticulation	Water Mains	Wm200589		1979	\$ 66	\$ 67	\$ -	\$0	\$0	\$0	\$0	\$0	\$67
Lithgow	Reticulation	Water Mains	Wm200590		1979	\$ 45,674	\$ 46,678	\$ -	\$0	\$0	\$0	\$0	\$0	\$46,678
Lithgow	Reticulation	Water Mains	Wm200591		1979	\$ 1,323	\$ 1,382	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,382
Lithgow	Reticulation	Water Mains	Wm200592		1979	\$ 70	\$ 70	\$ -	\$0	\$0	\$0	\$0	\$0	\$70
Lithgow	Reticulation	Water Mains	Wm200593		1979	\$ 68,980	\$ 70,497	\$ -	\$0	\$0	\$0	\$0	\$0	\$70,497
Lithgow	Reticulation	Water Mains	Wm200594		1979	\$ 41,014	\$ 41,916	\$ -	\$0	\$0	\$0	\$0	\$0	\$41,916
Lithgow	Reticulation	Water Mains	Wm200595		1979	\$ 183	\$ 188	\$ -	\$0	\$0	\$0	\$0	\$0	\$188
Lithgow	Reticulation	Water Mains	Wm200596		1979	\$ 518	\$ 529	\$ -	\$0	\$0	\$0	\$0	\$0	\$529
Lithgow	Reticulation	Water Mains	Wm200597		1979	\$ 3,090	\$ 3,158	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,158
Lithgow	Reticulation	Water Mains	Wm200598		1979	\$ 14,324	\$ 14,639	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,639
Lithgow	Reticulation	Water Mains	Wm200599		1979	\$ 35	\$ 35	\$ -	\$0	\$0	\$0	\$0	\$0	\$35
Lithgow	Reticulation	Water Mains	Wm200600		1950	\$ 671	\$ 686	\$ -	\$0	\$0	\$0	\$0	\$0	\$686
Lithgow	Reticulation	Water Mains	Wm200601		2004	\$ 12,108	\$ 12,374	\$ -	\$0	\$0	\$0	\$0	\$0	\$12,374
Lithgow	Reticulation	Water Mains	Wm200602		2004	\$ 11,318	\$ 11,567	\$ -	\$0	\$0	\$0	\$0	\$0	\$11,567
Lithgow	Reticulation	Water Mains	Wm200603		1950	\$ 994	\$ 1,016	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,016
Lithgow	Reticulation	Water Mains	Wm200604		1979	\$ 37,383	\$ 38,206	\$ -	\$0	\$0	\$0	\$0	\$0	\$38,206
Lithgow	Reticulation	Water Mains	Wm200605		1950	\$ 195	\$ 199	\$ -	\$0	\$0	\$0	\$0	\$0	\$199
Lithgow	Reticulation	Water Mains	Wm200606		1979	\$ 39,596	\$ 40,635	\$ -	\$0	\$0	\$0	\$0	\$0	\$40,635
Lithgow	Reticulation	Water Mains	Wm200607		1979	\$ 404	\$ 404	\$ -	\$0	\$0	\$0	\$0	\$0	\$404
Lithgow	Reticulation	Water Mains	Wm200608		1979	\$ 56,555	\$ 57,799	\$ -	\$0	\$0	\$0	\$0	\$0	\$57,799
Lithgow	Reticulation	Water Mains	Wm200609		1950	\$ 115	\$ 118	\$ -	\$0	\$0	\$0	\$0	\$0	\$118
Lithgow	Reticulation	Water Mains	Wm200610		1979	\$ 29,083	\$ 29,723	\$ -	\$0	\$0	\$0	\$0	\$0	\$29,723
Lithgow	Reticulation	Water Mains	Wm200611		1950	\$ 174	\$ 178	\$ -	\$0	\$0	\$0	\$0	\$0	\$178
Lithgow	Reticulation	Water Mains	Wm200612		1979	\$ 636	\$ 650	\$ -	\$0	\$0	\$0	\$0	\$0	\$650
Lithgow	Reticulation	Water Mains	Wm200613		1950	\$ 935	\$ 956	\$ -	\$0	\$0	\$0	\$0	\$0	\$956
Lithgow	Reticulation	Water Mains	Wm200614		1979	\$ 433	\$ 442	\$ -	\$0	\$0	\$0	\$0	\$0	\$442
Lithgow	Reticulation	Water Mains	Wm200615		1979	\$ 206	\$ 211	\$ -	\$0	\$0	\$0	\$0	\$0	\$211
Lithgow	Reticulation	Water Mains	Wm200616		1950	\$ 7,554	\$ 7,721	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,721
Lithgow	Reticulation	Water Mains	Wm200617		1979	\$ 431	\$ 440	\$ -	\$0	\$0	\$0	\$0	\$0	\$440
Lithgow	Reticulation	Water Mains	Wm200618		1979	\$ 12,629	\$ 13,111	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,111
Lithgow	Reticulation	Water Mains	Wm200619		1979	\$ 18,068	\$ 18,463	\$ -	\$0	\$0	\$0	\$0	\$0	\$18,463
Lithgow	Reticulation	Water Mains	Wm200620		1979	\$ 14,443	\$ 14,843	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,843
Lithgow	Reticulation	Water Mains	Wm200621		1979	\$ 893	\$ 912	\$ -	\$0	\$0	\$0	\$0	\$0	\$912
Lithgow	Reticulation	Water Mains	Wm200622		1979	\$ 35,133	\$ 35,906	\$ -	\$0	\$0	\$0	\$0	\$0	\$35,906
Lithgow	Reticulation	Water Mains	Wm200623		1979	\$ 27,873	\$ 28,488	\$ -	\$0	\$0	\$0	\$0	\$0	\$28,488
Lithgow	Reticulation	Water Mains	Wm200624		1979	\$ 726	\$ 742	\$ -	\$0	\$0	\$0	\$0	\$0	\$742
Lithgow	Reticulation	Water Mains	Wm200625		1950	\$ 3,866	\$ 3,951	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,951
Lithgow	Reticulation	Water Mains	Wm200626		1950	\$ 129	\$ 131	\$ -	\$0	\$0	\$0	\$0	\$0	\$131
Lithgow	Reticulation	Water Mains	Wm200627		1950	\$ 14	\$ 14	\$ -	\$0	\$0	\$0	\$0	\$0	\$14
Lithgow	Reticulation	Water Mains	Wm200628		1950	\$ 4,763	\$ 4,868	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,868
Lithgow	Reticulation	Water Mains	Wm200629		1950	\$ 7,487	\$ 7,652	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,652
Lithgow	Reticulation	Water Mains	Wm200630		1950	\$ 85	\$ 87	\$ -	\$0	\$0	\$0	\$0	\$0	\$87
Lithgow	Reticulation	Water Mains	Wm200631		1950	\$ 65	\$ 66	\$ -	\$0	\$0	\$0	\$0	\$0	\$66
Lithgow	Reticulation	Water Mains	Wm200632		1950	\$ 3,886	\$ 3,971	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,971
Lithgow	Reticulation	Water Mains	Wm200633		1950	\$ 92,040	\$ 95,970	\$ -	\$0	\$0	\$0	\$0	\$0	\$95,970
Lithgow	Reticulation	Water Mains	Wm200634		1950	\$ 62,030	\$ 64,921	\$ -	\$0	\$0	\$0	\$0	\$0	\$64,921
Lithgow	Reticulation	Water Mains	Wm200635		1950	\$ 15,839	\$ 16,187	\$ -	\$0	\$0	\$0	\$0	\$0	\$16,187
Lithgow	Reticulation	Water Mains	Wm200636		1950	\$ 38,295	\$ 40,067	\$ -	\$0	\$0	\$0	\$0	\$0	\$40,067
Lithgow	Reticulation	Water Mains	Wm200637		1950	\$ 14,928	\$ 15,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,256
Lithgow	Reticulation	Water Mains	Wm200638		1950	\$ 3,008	\$ 3,074	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,074
Lithgow	Reticulation	Water Mains	Wm200639		1950	\$ 530	\$ 542	\$ -	\$0	\$0	\$0	\$0	\$0	\$542
Lithgow	Trunk	Water Mains	Wm200640		1950	\$ 1,849	\$ 1,890	1,890	\$0	\$0	\$0	\$0	\$0	\$1,890
Lithgow	Reticulation	Water Mains	Wm200754		1950	\$ 5,484	\$ 5,604	\$ -	\$0	\$0	\$0	\$0	\$0	\$5,604
Lithgow	Reticulation	Water Mains	Wm200755		1950	\$ 12,130	\$ 12,397	\$ -	\$0	\$0	\$0	\$0	\$0	\$12,397
Lithgow	Reticulation	Water Mains	Wm200756		1950	\$ 307	\$ 313	\$ -	\$0	\$0	\$0	\$0	\$0	\$313
Lithgow	Reticulation	Water Mains	Wm200757		1950	\$ 183	\$ 187	\$ -	\$0	\$0	\$0	\$0	\$0	\$187
Lithgow	Reticulation	Water Mains	Wm200758		1950	\$ 169	\$ 173	\$ -	\$0	\$0	\$0	\$0	\$0	\$173
Lithgow	Reticulation	Water Mains	Wm200759		1950	\$ 12,344	\$ 12,616	\$ -	\$0	\$0	\$0	\$0	\$0	\$12,616
Lithgow	Reticulation	Water Mains	Wm200760		1950	\$ 14,463	\$ 14,853	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,853
Lithgow	Reticulation	Water Mains	Wm200761		1950	\$ 16,302	\$ 16,681	\$ -	\$0	\$0	\$0	\$0	\$0	\$16,681
Lithgow	Reticulation	Water Mains	Wm200762		1950	\$ 101	\$ 103	\$ -	\$0	\$0	\$0	\$0	\$0	\$103

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200763		1950	\$ 44,607	\$ 45,588	-	\$0	\$0		\$0		\$45,588
Lithgow	Reticulation	Water Mains	Wm200764		1950	\$ 1,430	\$ 1,434	-	\$0	\$0		\$0		\$1,434
Lithgow	Reticulation	Water Mains	Wm200765		1950	\$ 8,362	\$ 8,434	-	\$0	\$0		\$0		\$8,434
Lithgow	Reticulation	Water Mains	Wm200766		1950	\$ 18	\$ 18	-	\$0	\$0		\$0		\$18
Lithgow	Reticulation	Water Mains	Wm200767		1950	\$ 8,660	\$ 8,859	-	\$0	\$0		\$0		\$8,859
Lithgow	Reticulation	Water Mains	Wm200768		1950	\$ 134	\$ 137	-	\$0	\$0		\$0		\$137
Lithgow	Reticulation	Water Mains	Wm200769		1950	\$ 1,900	\$ 1,933	-	\$0	\$0		\$0		\$1,933
Lithgow	Reticulation	Water Mains	Wm200770		1950	\$ 3,300	\$ 3,373	-	\$0	\$0		\$0		\$3,373
Lithgow	Reticulation	Water Mains	Wm200771		1950	\$ 253	\$ 259	-	\$0	\$0		\$0		\$259
Lithgow	Reticulation	Water Mains	Wm200772		1950	\$ 76,860	\$ 78,551	-	\$0	\$0		\$0		\$78,551
Lithgow	Reticulation	Water Mains	Wm200773		1950	\$ 2,452	\$ 2,506	-	\$0	\$0		\$0		\$2,506
Lithgow	Reticulation	Water Mains	Wm200774		1950	\$ 263	\$ 268	-	\$0	\$0		\$0		\$268
Lithgow	Reticulation	Water Mains	Wm200775		1950	\$ 9,327	\$ 9,532	-	\$0	\$0		\$0		\$9,532
Lithgow	Reticulation	Water Mains	Wm200776		1950	\$ 206	\$ 211	-	\$0	\$0		\$0		\$211
Lithgow	Reticulation	Water Mains	Wm200777		1950	\$ 51,214	\$ 52,119	-	\$0	\$0		\$0		\$52,119
Lithgow	Reticulation	Water Mains	Wm200778		1950	\$ 51,438	\$ 52,954	-	\$0	\$0		\$0		\$52,954
Lithgow	Reticulation	Water Mains	Wm200779		1950	\$ 18	\$ 17	-	\$0	\$0		\$0		\$17
Lithgow	Reticulation	Water Mains	Wm200780		1950	\$ 63	\$ 64	-	\$0	\$0		\$0		\$64
Lithgow	Reticulation	Water Mains	Wm200781		1950	\$ 9,088	\$ 9,288	-	\$0	\$0		\$0		\$9,288
Lithgow	Reticulation	Water Mains	Wm200782		1950	\$ 2,261	\$ 2,311	-	\$0	\$0		\$0		\$2,311
Lithgow	Reticulation	Water Mains	Wm200783		1950	\$ 2,515	\$ 2,570	-	\$0	\$0		\$0		\$2,570
Lithgow	Reticulation	Water Mains	Wm200784		1950	\$ 29	\$ 30	-	\$0	\$0		\$0		\$30
Lithgow	Reticulation	Water Mains	Wm200785		1950	\$ 70	\$ 72	-	\$0	\$0		\$0		\$72
Lithgow	Reticulation	Water Mains	Wm200786		1950	\$ 12,034	\$ 12,299	-	\$0	\$0		\$0		\$12,299
Lithgow	Reticulation	Water Mains	Wm200787		1950	\$ 2,123	\$ 2,170	-	\$0	\$0		\$0		\$2,170
Lithgow	Reticulation	Water Mains	Wm200788		1950	\$ 47	\$ 48	-	\$0	\$0		\$0		\$48
Lithgow	Reticulation	Water Mains	Wm200789		1950	\$ 24,647	\$ 25,394	-	\$0	\$0		\$0		\$25,394
Lithgow	Reticulation	Water Mains	Wm200790		1950	\$ 14,189	\$ 14,501	-	\$0	\$0		\$0		\$14,501
Lithgow	Reticulation	Water Mains	Wm200791		1950	\$ 23,438	\$ 24,071	-	\$0	\$0		\$0		\$24,071
Lithgow	Reticulation	Water Mains	Wm200792		1950	\$ 3,448	\$ 3,592	-	\$0	\$0		\$0		\$3,592
Lithgow	Reticulation	Water Mains	Wm200793		1950	\$ 148	\$ 152	-	\$0	\$0		\$0		\$152
Lithgow	Reticulation	Water Mains	Wm200794		1950	\$ 25,944	\$ 26,514	-	\$0	\$0		\$0		\$26,514
Lithgow	Reticulation	Water Mains	Wm200795		1950	\$ 1,014	\$ 1,037	-	\$0	\$0		\$0		\$1,037
Lithgow	Reticulation	Water Mains	Wm200796		1950	\$ 21,478	\$ 21,951	-	\$0	\$0		\$0		\$21,951
Lithgow	Reticulation	Water Mains	Wm200797		1950	\$ 77,370	\$ 79,072	-	\$0	\$0		\$0		\$79,072
Lithgow	Reticulation	Water Mains	Wm200798		1950	\$ 342	\$ 350	-	\$0	\$0		\$0		\$350
Lithgow	Reticulation	Water Mains	Wm200800		1950	\$ 3,827	\$ 3,911	-	\$0	\$0		\$0		\$3,911
Lithgow	Reticulation	Water Mains	Wm200801		1950	\$ 73,744	\$ 75,367	-	\$0	\$0		\$0		\$75,367
Lithgow	Reticulation	Water Mains	Wm200802		1950	\$ 3,530	\$ 3,607	-	\$0	\$0		\$0		\$3,607
Lithgow	Reticulation	Water Mains	Wm200803		1950	\$ 173	\$ 177	-	\$0	\$0		\$0		\$177
Lithgow	Reticulation	Water Mains	Wm200804		1950	\$ 16,990	\$ 17,323	-	\$0	\$0		\$0		\$17,323
Lithgow	Reticulation	Water Mains	Wm200805		1950	\$ 1,428	\$ 1,460	-	\$0	\$0		\$0		\$1,460
Lithgow	Reticulation	Water Mains	Wm200806		1950	\$ 42,000	\$ 43,951	-	\$0	\$0		\$0		\$43,951
Lithgow	Reticulation	Water Mains	Wm200807		1950	\$ 50	\$ 50	-	\$0	\$0		\$0		\$50
Lithgow	Reticulation	Water Mains	Wm200808		1950	\$ 2,802	\$ 2,864	-	\$0	\$0		\$0		\$2,864
Lithgow	Reticulation	Water Mains	Wm200809		1950	\$ 3,420	\$ 3,496	-	\$0	\$0		\$0		\$3,496
Lithgow	Reticulation	Water Mains	Wm200810		1950	\$ 12,297	\$ 12,587	-	\$0	\$0		\$0		\$12,587
Lithgow	Reticulation	Water Mains	Wm200811		1950	\$ 211	\$ 215	-	\$0	\$0		\$0		\$215
Lithgow	Reticulation	Water Mains	Wm200812		1950	\$ 33,643	\$ 34,383	-	\$0	\$0		\$0		\$34,383
Lithgow	Reticulation	Water Mains	Wm200813		1950	\$ 2,742	\$ 2,803	-	\$0	\$0		\$0		\$2,803
Lithgow	Reticulation	Water Mains	Wm200814		1950	\$ 76,363	\$ 78,043	-	\$0	\$0		\$0		\$78,043
Lithgow	Reticulation	Water Mains	Wm200815		1950	\$ 55,184	\$ 56,398	-	\$0	\$0		\$0		\$56,398
Lithgow	Reticulation	Water Mains	Wm200817		1950	\$ 48,672	\$ 49,743	-	\$0	\$0		\$0		\$49,743
Lithgow	Reticulation	Water Mains	Wm200818		1950	\$ 8,912	\$ 9,108	-	\$0	\$0		\$0		\$9,108
Lithgow	Reticulation	Water Mains	Wm200819		1950	\$ 363,083	\$ 371,071	-	\$0	\$0		\$0		\$371,071
Lithgow	Reticulation	Water Mains	Wm200820		1950	\$ 3,006	\$ 3,068	-	\$0	\$0		\$0		\$3,068
Lithgow	Reticulation	Water Mains	Wm200821		1950	\$ 3,403	\$ 3,483	-	\$0	\$0		\$0		\$3,483
Lithgow	Reticulation	Water Mains	Wm200823		1950	\$ 3,191	\$ 3,261	-	\$0	\$0		\$0		\$3,261
Lithgow	Reticulation	Water Mains	Wm200824		1950	\$ 30,363	\$ 31,031	-	\$0	\$0		\$0		\$31,031
Lithgow	Reticulation	Water Mains	Wm200825		1950	\$ 648	\$ 663	-	\$0	\$0		\$0		\$663
Lithgow	Reticulation	Water Mains	Wm200826		1950	\$ 58,122	\$ 59,401	-	\$0	\$0		\$0		\$59,401
Lithgow	Reticulation	Water Mains	Wm200827		1950	\$ 586	\$ 599	-	\$0	\$0		\$0		\$599
Lithgow	Reticulation	Water Mains	Wm200828		1950	\$ 838	\$ 856	-	\$0	\$0		\$0		\$856
Lithgow	Reticulation	Water Mains	Wm200829		1950	\$ 49,741	\$ 50,835	-	\$0	\$0		\$0		\$50,835
Lithgow	Reticulation	Water Mains	Wm200830		1950	\$ 17,630	\$ 18,017	-	\$0	\$0		\$0		\$18,017
Lithgow	Reticulation	Water Mains	Wm200832		1950	\$ 16,116	\$ 16,470	-	\$0	\$0		\$0		\$16,470
Lithgow	Reticulation	Water Mains	Wm200833		1950	\$ 201,232	\$ 205,659	-	\$0	\$0		\$0		\$205,659
Lithgow	Reticulation	Water Mains	Wm200834		1950	\$ 388,943	\$ 377,060	-	\$0	\$0		\$0		\$377,060
Lithgow	Reticulation	Water Mains	Wm200835		1950	\$ 806,562	\$ 824,326	-	\$0	\$0		\$0		\$824,326
Lithgow	Reticulation	Water Mains	Wm200836		1950	\$ 162,747	\$ 169,922	-	\$0	\$0		\$0		\$169,922
Lithgow	Reticulation	Water Mains	Wm200837		1950	\$ 65,469	\$ 67,232	-	\$0	\$0		\$0		\$67,232
Lithgow	Reticulation	Water Mains	Wm200838		1950	\$ 7,887	\$ 8,069	-	\$0	\$0		\$0		\$8,069
Lithgow	Trunk	Water Mains	Wm200839		1950	\$ 1,437	\$ 1,469	1,469	\$0	\$0		\$0		\$1,469
Lithgow	Reticulation	Water Mains	Wm200840		1950	\$ 3,379	\$ 3,453	-	\$0	\$0		\$0		\$3,453
Lithgow	Trunk	Water Mains	Wm200841		1950	\$ 1,280	\$ 1,309	1,309	\$0	\$0		\$0		\$1,309
Lithgow	Trunk	Water Mains	Wm200842		1950	\$ 14,626	\$ 14,947	14,947	\$0	\$0		\$0		\$14,947
Lithgow	Trunk	Water Mains	Wm200843		1950	\$ 5,952	\$ 6,082	6,082	\$0	\$0		\$0		\$6,082
Lithgow	Reticulation	Water Mains	Wm200844		1950	\$ 20,744	\$ 21,200	-	\$0	\$0		\$0		\$21,200
Lithgow	Reticulation	Water Mains	Wm200845		1950	\$ 48,238	\$ 49,299	-	\$0	\$0		\$0		\$49,299
Lithgow	Reticulation	Water Mains	Wm200846		1950	\$ 427	\$ 436	-	\$0	\$0		\$0		\$436
Lithgow	Reticulation	Water Mains	Wm200847		1950	\$ 34,214	\$ 34,967	-	\$0	\$0		\$0		\$34,967
Lithgow	Reticulation	Water Mains	Wm200848		1950	\$ 17,788	\$ 18,180	-	\$0	\$0		\$0		\$18,180
Lithgow	Reticulation	Water Mains	Wm200849		1950	\$ 2,815	\$ 2,938	-	\$0	\$0		\$0		\$2,938
Lithgow	Reticulation	Water Mains	Wm200850		1950	\$ 28,018	\$ 28,614	-	\$0	\$0		\$0		\$28,614
Lithgow	Reticulation	Water Mains	Wm200851		1950	\$ 14,053	\$ 14,362	-	\$0	\$0		\$0		\$14,362
Lithgow	Reticulation	Water Mains	Wm200852		1950	\$ 14,053	\$ 14,362	-	\$0	\$0		\$0		\$14,362

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200853		1950	\$ 591	\$ 604	\$ -	\$0	\$0	\$0	\$0	\$0	\$604
Lithgow	Reticulation	Water Mains	Wm200854		1950	\$ 80,949	\$ 82,036	\$ -	\$0	\$0	\$0	\$0	\$0	\$82,036
Lithgow	Reticulation	Water Mains	Wm200855		1950	\$ 220	\$ 220	\$ -	\$0	\$0	\$0	\$0	\$0	\$220
Lithgow	Reticulation	Water Mains	Wm200856		1950	\$ 580	\$ 593	\$ -	\$0	\$0	\$0	\$0	\$0	\$593
Lithgow	Reticulation	Water Mains	Wm200857		1950	\$ 29,197	\$ 29,839	\$ -	\$0	\$0	\$0	\$0	\$0	\$29,839
Lithgow	Reticulation	Water Mains	Wm200858		1950	\$ 533	\$ 545	\$ -	\$0	\$0	\$0	\$0	\$0	\$545
Lithgow	Reticulation	Water Mains	Wm200859		1950	\$ 21,779	\$ 22,258	\$ -	\$0	\$0	\$0	\$0	\$0	\$22,258
Lithgow	Reticulation	Water Mains	Wm200860		1950	\$ 122	\$ 125	\$ -	\$0	\$0	\$0	\$0	\$0	\$125
Lithgow	Reticulation	Water Mains	Wm200861		1950	\$ 10,577	\$ 10,810	\$ -	\$0	\$0	\$0	\$0	\$0	\$10,810
Lithgow	Reticulation	Water Mains	Wm200862		1950	\$ 26,912	\$ 27,504	\$ -	\$0	\$0	\$0	\$0	\$0	\$27,504
Lithgow	Reticulation	Water Mains	Wm200863		1950	\$ 84,164	\$ 86,016	\$ -	\$0	\$0	\$0	\$0	\$0	\$86,016
Lithgow	Reticulation	Water Mains	Wm200864		1950	\$ 18,689	\$ 19,101	\$ -	\$0	\$0	\$0	\$0	\$0	\$19,101
Lithgow	Reticulation	Water Mains	Wm200865		1950	\$ 488	\$ 479	\$ -	\$0	\$0	\$0	\$0	\$0	\$479
Lithgow	Reticulation	Water Mains	Wm200866		1950	\$ 1,337	\$ 1,367	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,367
Lithgow	Reticulation	Water Mains	Wm200867		1950	\$ 32,570	\$ 33,286	\$ -	\$0	\$0	\$0	\$0	\$0	\$33,286
Lithgow	Reticulation	Water Mains	Wm200868		1950	\$ 11,140	\$ 11,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$11,354
Lithgow	Reticulation	Water Mains	Wm200869		1950	\$ 30,459	\$ 31,126	\$ -	\$0	\$0	\$0	\$0	\$0	\$31,126
Lithgow	Reticulation	Water Mains	Wm200870		1950	\$ 7,399	\$ 7,562	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,562
Lithgow	Reticulation	Water Mains	Wm200871		1950	\$ 17,092	\$ 17,468	\$ -	\$0	\$0	\$0	\$0	\$0	\$17,468
Lithgow	Reticulation	Water Mains	Wm200872		1950	\$ 127,455	\$ 130,259	\$ -	\$0	\$0	\$0	\$0	\$0	\$130,259
Lithgow	Reticulation	Water Mains	Wm200873		1950	\$ 43,344	\$ 44,298	\$ -	\$0	\$0	\$0	\$0	\$0	\$44,298
Lithgow	Reticulation	Water Mains	Wm200874		1950	\$ 6,737	\$ 6,885	\$ -	\$0	\$0	\$0	\$0	\$0	\$6,885
Lithgow	Reticulation	Water Mains	Wm200875		1950	\$ 166,546	\$ 170,210	\$ -	\$0	\$0	\$0	\$0	\$0	\$170,210
Lithgow	Reticulation	Water Mains	Wm200876		1950	\$ 4,409	\$ 4,506	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,506
Lithgow	Reticulation	Water Mains	Wm200877		1950	\$ 18,615	\$ 19,025	\$ -	\$0	\$0	\$0	\$0	\$0	\$19,025
Lithgow	Reticulation	Water Mains	Wm200878		1950	\$ 20,804	\$ 21,262	\$ -	\$0	\$0	\$0	\$0	\$0	\$21,262
Lithgow	Reticulation	Water Mains	Wm200879		1950	\$ 4,060	\$ 4,150	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,150
Lithgow	Reticulation	Water Mains	Wm200880		1950	\$ 60	\$ 62	\$ -	\$0	\$0	\$0	\$0	\$0	\$62
Lithgow	Reticulation	Water Mains	Wm200881		1950	\$ 1,028	\$ 1,050	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,050
Lithgow	Reticulation	Water Mains	Wm200882		1950	\$ 1,028	\$ 1,050	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,050
Lithgow	Reticulation	Water Mains	Wm200883		1950	\$ 13,054	\$ 13,341	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,341
Lithgow	Reticulation	Water Mains	Wm200884		1950	\$ 47	\$ 47	\$ -	\$0	\$0	\$0	\$0	\$0	\$47
Lithgow	Reticulation	Water Mains	Wm200885		1950	\$ 35,249	\$ 36,024	\$ -	\$0	\$0	\$0	\$0	\$0	\$36,024
Lithgow	Reticulation	Water Mains	Wm200886		1950	\$ 109	\$ 111	\$ -	\$0	\$0	\$0	\$0	\$0	\$111
Lithgow	Reticulation	Water Mains	Wm200887		1950	\$ 14,035	\$ 14,344	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,344
Lithgow	Reticulation	Water Mains	Wm200888		1950	\$ 49	\$ 50	\$ -	\$0	\$0	\$0	\$0	\$0	\$50
Lithgow	Reticulation	Water Mains	Wm200889		1950	\$ 143	\$ 143	\$ -	\$0	\$0	\$0	\$0	\$0	\$143
Lithgow	Reticulation	Water Mains	Wm200890		1950	\$ 24,380	\$ 24,916	\$ -	\$0	\$0	\$0	\$0	\$0	\$24,916
Lithgow	Reticulation	Water Mains	Wm200891		1950	\$ 98	\$ 100	\$ -	\$0	\$0	\$0	\$0	\$0	\$100
Lithgow	Reticulation	Water Mains	Wm200892		1950	\$ 173	\$ 177	\$ -	\$0	\$0	\$0	\$0	\$0	\$177
Lithgow	Reticulation	Water Mains	Wm200893		1950	\$ 6,285	\$ 6,423	\$ -	\$0	\$0	\$0	\$0	\$0	\$6,423
Lithgow	Reticulation	Water Mains	Wm200894		1950	\$ 158	\$ 161	\$ -	\$0	\$0	\$0	\$0	\$0	\$161
Lithgow	Reticulation	Water Mains	Wm200895		1950	\$ 15,428	\$ 15,684	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,684
Lithgow	Reticulation	Water Mains	Wm200896		1950	\$ 292	\$ 299	\$ -	\$0	\$0	\$0	\$0	\$0	\$299
Lithgow	Reticulation	Water Mains	Wm200897		1950	\$ 3,225	\$ 3,286	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,286
Lithgow	Reticulation	Water Mains	Wm200898		1950	\$ 92,463	\$ 94,495	\$ -	\$0	\$0	\$0	\$0	\$0	\$94,495
Lithgow	Reticulation	Water Mains	Wm200900		1950	\$ 174	\$ 178	\$ -	\$0	\$0	\$0	\$0	\$0	\$178
Lithgow	Reticulation	Water Mains	Wm200901		1950	\$ 604	\$ 618	\$ -	\$0	\$0	\$0	\$0	\$0	\$618
Lithgow	Reticulation	Water Mains	Wm200902		1950	\$ 1,170	\$ 1,196	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,196
Lithgow	Reticulation	Water Mains	Wm200903		1950	\$ 5,879	\$ 6,009	\$ -	\$0	\$0	\$0	\$0	\$0	\$6,009
Lithgow	Reticulation	Water Mains	Wm200904		1950	\$ 1,655	\$ 1,692	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,692
Lithgow	Reticulation	Water Mains	Wm200905		1950	\$ 7,547	\$ 7,713	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,713
Lithgow	Reticulation	Water Mains	Wm200906		1950	\$ 154	\$ 158	\$ -	\$0	\$0	\$0	\$0	\$0	\$158
Lithgow	Reticulation	Water Mains	Wm200907		1950	\$ 20,131	\$ 20,574	\$ -	\$0	\$0	\$0	\$0	\$0	\$20,574
Lithgow	Reticulation	Water Mains	Wm200908		1950	\$ 651	\$ 665	\$ -	\$0	\$0	\$0	\$0	\$0	\$665
Lithgow	Reticulation	Water Mains	Wm200909		1950	\$ 242	\$ 246	\$ -	\$0	\$0	\$0	\$0	\$0	\$246
Lithgow	Reticulation	Water Mains	Wm200910		1950	\$ 15,715	\$ 15,984	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,984
Lithgow	Reticulation	Water Mains	Wm200911		1950	\$ 351	\$ 359	\$ -	\$0	\$0	\$0	\$0	\$0	\$359
Lithgow	Reticulation	Water Mains	Wm200912		1950	\$ 405	\$ 414	\$ -	\$0	\$0	\$0	\$0	\$0	\$414
Lithgow	Reticulation	Water Mains	Wm200913		1950	\$ 33,753	\$ 34,496	\$ -	\$0	\$0	\$0	\$0	\$0	\$34,496
Lithgow	Reticulation	Water Mains	Wm200914		1950	\$ 170	\$ 174	\$ -	\$0	\$0	\$0	\$0	\$0	\$174
Lithgow	Reticulation	Water Mains	Wm200915		1950	\$ 26,024	\$ 26,597	\$ -	\$0	\$0	\$0	\$0	\$0	\$26,597
Lithgow	Reticulation	Water Mains	Wm200916		1950	\$ 21,665	\$ 22,142	\$ -	\$0	\$0	\$0	\$0	\$0	\$22,142
Lithgow	Reticulation	Water Mains	Wm200917		1950	\$ 36,015	\$ 36,807	\$ -	\$0	\$0	\$0	\$0	\$0	\$36,807
Lithgow	Reticulation	Water Mains	Wm200918		1950	\$ 15,113	\$ 15,445	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,445
Lithgow	Reticulation	Water Mains	Wm200919		1950	\$ 12,053	\$ 12,318	\$ -	\$0	\$0	\$0	\$0	\$0	\$12,318
Lithgow	Reticulation	Water Mains	Wm200920		1950	\$ 522	\$ 534	\$ -	\$0	\$0	\$0	\$0	\$0	\$534
Lithgow	Reticulation	Water Mains	Wm200921		1950	\$ 18,243	\$ 18,592	\$ -	\$0	\$0	\$0	\$0	\$0	\$18,592
Lithgow	Reticulation	Water Mains	Wm200922		1950	\$ 16,226	\$ 16,592	\$ -	\$0	\$0	\$0	\$0	\$0	\$16,592
Lithgow	Reticulation	Water Mains	Wm200923		1950	\$ 8,260	\$ 8,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$8,473
Lithgow	Reticulation	Water Mains	Wm200924		1950	\$ 212	\$ 217	\$ -	\$0	\$0	\$0	\$0	\$0	\$217
Lithgow	Reticulation	Water Mains	Wm200925		1950	\$ 40,320	\$ 41,207	\$ -	\$0	\$0	\$0	\$0	\$0	\$41,207
Lithgow	Reticulation	Water Mains	Wm200926		1950	\$ 1,212	\$ 1,239	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,239
Lithgow	Reticulation	Water Mains	Wm200927		1950	\$ 14,743	\$ 15,068	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,068
Lithgow	Reticulation	Water Mains	Wm200928		1950	\$ 1,198	\$ 1,224	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,224
Lithgow	Reticulation	Water Mains	Wm200929		1950	\$ 19,676	\$ 20,108	\$ -	\$0	\$0	\$0	\$0	\$0	\$20,108
Lithgow	Reticulation	Water Mains	Wm200931		1950	\$ 499	\$ 510	\$ -	\$0	\$0	\$0	\$0	\$0	\$510
Lithgow	Reticulation	Water Mains	Wm200932		1950	\$ 518	\$ 529	\$ -	\$0	\$0	\$0	\$0	\$0	\$529
Lithgow	Reticulation	Water Mains	Wm200933		1950	\$ 505	\$ 517	\$ -	\$0	\$0	\$0	\$0	\$0	\$517
Lithgow	Reticulation	Water Mains	Wm200934		1950	\$ 43,246	\$ 44,198	\$ -	\$0	\$0	\$0	\$0	\$0	\$44,198
Lithgow	Reticulation	Water Mains	Wm200935		1950	\$ 1,470	\$ 1,502	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,502
Lithgow	Reticulation	Water Mains	Wm200936		1950	\$ 1,453	\$ 1,480	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,480
Lithgow	Reticulation	Water Mains	Wm200937		1950	\$ 629	\$ 640	\$ -	\$0	\$0	\$0	\$0	\$0	\$640
Lithgow	Reticulation	Water Mains	Wm200938		1950	\$ 31,184	\$ 31,870	\$ -	\$0	\$0	\$0	\$0	\$0	\$31,870

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm200940		1950	\$ 27,938 \$	28,553 \$	-	\$0	\$0		\$0	\$0	\$23,553
Lithgow	Reticulation	Water Mains	Wm200941		1950	\$ 13,142 \$	13,412 \$	-	\$0	\$0		\$0	\$0	\$13,412
Lithgow	Reticulation	Water Mains	Wm200942		1950	\$ 21,911 \$	22,599 \$	-	\$0	\$0		\$0	\$0	\$22,599
Lithgow	Reticulation	Water Mains	Wm200943		1950	\$ 21,116 \$	21,200 \$	-	\$0	\$0		\$0	\$0	\$21,200
Lithgow	Reticulation	Water Mains	Wm200944		1950	\$ 18,219 \$	18,619 \$	-	\$0	\$0		\$0	\$0	\$18,619
Lithgow	Reticulation	Water Mains	Wm200945		1950	\$ 16,421 \$	16,782 \$	-	\$0	\$0		\$0	\$0	\$16,782
Lithgow	Reticulation	Water Mains	Wm200946		1950	\$ 111 \$	113 \$	-	\$0	\$0		\$0	\$0	\$113
Lithgow	Reticulation	Water Mains	Wm200947		1950	\$ 7,129 \$	7,286 \$	-	\$0	\$0		\$0	\$0	\$7,286
Lithgow	Reticulation	Water Mains	Wm200948		1950	\$ 553 \$	565 \$	-	\$0	\$0		\$0	\$0	\$565
Lithgow	Reticulation	Water Mains	Wm200949		1950	\$ 274 \$	280 \$	-	\$0	\$0		\$0	\$0	\$280
Lithgow	Reticulation	Water Mains	Wm200950		1950	\$ 37,613 \$	38,440 \$	-	\$0	\$0		\$0	\$0	\$38,440
Lithgow	Reticulation	Water Mains	Wm200951		1988	\$ 1,198 \$	1,226 \$	-	\$0	\$0		\$0	\$0	\$1,226
Lithgow	Reticulation	Water Mains	Wm200952		1950	\$ 16,413 \$	16,774 \$	-	\$0	\$0		\$0	\$0	\$16,774
Lithgow	Reticulation	Water Mains	Wm200953		1988	\$ 1,262 \$	1,290 \$	-	\$0	\$0		\$0	\$0	\$1,290
Lithgow	Reticulation	Water Mains	Wm200954		1950	\$ 18,430 \$	18,835 \$	-	\$0	\$0		\$0	\$0	\$18,835
Lithgow	Reticulation	Water Mains	Wm200955		1950	\$ 25,248 \$	25,847 \$	-	\$0	\$0		\$0	\$0	\$25,847
Lithgow	Reticulation	Water Mains	Wm200956		1988	\$ 25,288 \$	26,841 \$	-	\$0	\$0		\$0	\$0	\$26,841
Lithgow	Reticulation	Water Mains	Wm200957		1950	\$ 72 \$	73 \$	-	\$0	\$0		\$0	\$0	\$73
Lithgow	Reticulation	Water Mains	Wm200958		1988	\$ 17,200 \$	17,579 \$	-	\$0	\$0		\$0	\$0	\$17,579
Lithgow	Reticulation	Water Mains	Wm200959		1988	\$ 158 \$	162 \$	-	\$0	\$0		\$0	\$0	\$162
Lithgow	Reticulation	Water Mains	Wm200960		1988	\$ 22,496 \$	22,991 \$	-	\$0	\$0		\$0	\$0	\$22,991
Lithgow	Reticulation	Water Mains	Wm200961		1988	\$ 56 \$	57 \$	-	\$0	\$0		\$0	\$0	\$57
Lithgow	Reticulation	Water Mains	Wm200962		1988	\$ 6,889 \$	7,040 \$	-	\$0	\$0		\$0	\$0	\$7,040
Lithgow	Reticulation	Water Mains	Wm200963		1988	\$ 18,973 \$	19,390 \$	-	\$0	\$0		\$0	\$0	\$19,390
Lithgow	Reticulation	Water Mains	Wm200964		1988	\$ 7,065 \$	7,221 \$	-	\$0	\$0		\$0	\$0	\$7,221
Lithgow	Reticulation	Water Mains	Wm200965		1994	\$ 2,591 \$	2,648 \$	-	\$0	\$0		\$0	\$0	\$2,648
Lithgow	Reticulation	Water Mains	Wm200966		1950	\$ 1,284 \$	1,313 \$	-	\$0	\$0		\$0	\$0	\$1,313
Lithgow	Reticulation	Water Mains	Wm200967		1994	\$ 34,594 \$	35,314 \$	-	\$0	\$0		\$0	\$0	\$35,314
Lithgow	Reticulation	Water Mains	Wm200968		1994	\$ 110,390 \$	117,177 \$	-	\$0	\$0		\$0	\$0	\$117,177
Lithgow	Reticulation	Water Mains	Wm200969		1950	\$ 65,978 \$	67,430 \$	-	\$0	\$0		\$0	\$0	\$67,430
Lithgow	Reticulation	Water Mains	Wm200970		1950	\$ 1,533 \$	1,566 \$	-	\$0	\$0		\$0	\$0	\$1,566
Lithgow	Reticulation	Water Mains	Wm200971		1950	\$ 78,035 \$	79,751 \$	-	\$0	\$0		\$0	\$0	\$79,751
Lithgow	Reticulation	Water Mains	Wm200972		1950	\$ 51,847 \$	52,989 \$	-	\$0	\$0		\$0	\$0	\$52,989
Lithgow	Reticulation	Water Mains	Wm200973		1950	\$ 39,030 \$	39,889 \$	-	\$0	\$0		\$0	\$0	\$39,889
Lithgow	Reticulation	Water Mains	Wm200974		1950	\$ 90,626 \$	92,621 \$	-	\$0	\$0		\$0	\$0	\$92,621
Lithgow	Reticulation	Water Mains	Wm200975		1950	\$ 27,914 \$	28,528 \$	-	\$0	\$0		\$0	\$0	\$28,528
Lithgow	Reticulation	Water Mains	Wm200976		1950	\$ 25,591 \$	26,154 \$	-	\$0	\$0		\$0	\$0	\$26,154
Lithgow	Reticulation	Water Mains	Wm200977		1950	\$ 26,500 \$	27,083 \$	-	\$0	\$0		\$0	\$0	\$27,083
Lithgow	Reticulation	Water Mains	Wm200978		1950	\$ 414 \$	423 \$	-	\$0	\$0		\$0	\$0	\$423
Lithgow	Reticulation	Water Mains	Wm200979		1950	\$ 548 \$	560 \$	-	\$0	\$0		\$0	\$0	\$560
Lithgow	Reticulation	Water Mains	Wm200980		1950	\$ 2,977 \$	3,043 \$	-	\$0	\$0		\$0	\$0	\$3,043
Lithgow	Reticulation	Water Mains	Wm200981		1950	\$ 8,923 \$	9,144 \$	-	\$0	\$0		\$0	\$0	\$9,144
Lithgow	Reticulation	Water Mains	Wm200982		1950	\$ 23,673 \$	24,161 \$	-	\$0	\$0		\$0	\$0	\$24,161
Lithgow	Reticulation	Water Mains	Wm201143		2006	\$ 1,673 \$	1,710 \$	-	\$0	\$0		\$0	\$0	\$1,710
Lithgow	Reticulation	Water Mains	Wm201144		2006	\$ 269 \$	274 \$	-	\$0	\$0		\$0	\$0	\$274
Lithgow	Reticulation	Water Mains	Wm201145		2006	\$ 3,402 \$	3,477 \$	-	\$0	\$0		\$0	\$0	\$3,477
Lithgow	Reticulation	Water Mains	Wm201146		2006	\$ 21,828 \$	22,308 \$	-	\$0	\$0		\$0	\$0	\$22,308
Lithgow	Reticulation	Water Mains	Wm201147		2006	\$ 640 \$	654 \$	-	\$0	\$0		\$0	\$0	\$654
Lithgow	Reticulation	Water Mains	Wm201148		2006	\$ 59 \$	61 \$	-	\$0	\$0		\$0	\$0	\$61
Lithgow	Reticulation	Water Mains	Wm201149		2006	\$ 24,936 \$	25,485 \$	-	\$0	\$0		\$0	\$0	\$25,485
Lithgow	Reticulation	Water Mains	Wm201150		2006	\$ 19,140 \$	19,561 \$	-	\$0	\$0		\$0	\$0	\$19,561
Lithgow	Reticulation	Water Mains	Wm201151		2006	\$ 56 \$	57 \$	-	\$0	\$0		\$0	\$0	\$57
Lithgow	Reticulation	Water Mains	Wm201152		2006	\$ 3,518 \$	3,595 \$	-	\$0	\$0		\$0	\$0	\$3,595
Lithgow	Reticulation	Water Mains	Wm201153		2006	\$ 295 \$	296 \$	-	\$0	\$0		\$0	\$0	\$296
Lithgow	Reticulation	Water Mains	Wm201154		1988	\$ 2,512 \$	2,567 \$	-	\$0	\$0		\$0	\$0	\$2,567
Lithgow	Reticulation	Water Mains	Wm201155		1988	\$ 46,767 \$	47,783 \$	-	\$0	\$0		\$0	\$0	\$47,783
Lithgow	Reticulation	Water Mains	Wm201156		1988	\$ 510 \$	521 \$	-	\$0	\$0		\$0	\$0	\$521
Lithgow	Reticulation	Water Mains	Wm201157		1988	\$ 510 \$	521 \$	-	\$0	\$0		\$0	\$0	\$521
Lithgow	Reticulation	Water Mains	Wm201158		1988	\$ 35,251 \$	36,026 \$	-	\$0	\$0		\$0	\$0	\$36,026
Lithgow	Reticulation	Water Mains	Wm201159		2007	\$ 22,380 \$	22,872 \$	-	\$0	\$0		\$0	\$0	\$22,872
Lithgow	Reticulation	Water Mains	Wm201160		2007	\$ 2,938 \$	3,003 \$	-	\$0	\$0		\$0	\$0	\$3,003
Lithgow	Reticulation	Water Mains	Wm201161		2007	\$ 2,369 \$	2,421 \$	-	\$0	\$0		\$0	\$0	\$2,421
Lithgow	Reticulation	Water Mains	Wm201162		2007	\$ 4,207 \$	4,299 \$	-	\$0	\$0		\$0	\$0	\$4,299
Lithgow	Reticulation	Water Mains	Wm201163		1950	\$ 1,938 \$	1,981 \$	-	\$0	\$0		\$0	\$0	\$1,981
Lithgow	Reticulation	Water Mains	Wm201164		1950	\$ 143 \$	146 \$	-	\$0	\$0		\$0	\$0	\$146
Lithgow	Reticulation	Water Mains	Wm201165		1950	\$ 20,864 \$	21,323 \$	-	\$0	\$0		\$0	\$0	\$21,323
Lithgow	Reticulation	Water Mains	Wm201166		1950	\$ 1,313 \$	1,342 \$	-	\$0	\$0		\$0	\$0	\$1,342
Lithgow	Reticulation	Water Mains	Wm201167		1950	\$ 20,187 \$	20,631 \$	-	\$0	\$0		\$0	\$0	\$20,631
Lithgow	Reticulation	Water Mains	Wm201168		1950	\$ 9,464 \$	9,693 \$	-	\$0	\$0		\$0	\$0	\$9,693
Lithgow	Reticulation	Water Mains	Wm201169		1950	\$ 11,131 \$	11,609 \$	-	\$0	\$0		\$0	\$0	\$11,609
Lithgow	Reticulation	Water Mains	Wm201243		1950	\$ 932 \$	951 \$	-	\$0	\$0		\$0	\$0	\$951
Lithgow	Reticulation	Water Mains	Wm201245		1950	\$ 70,822 \$	72,380 \$	-	\$0	\$0		\$0	\$0	\$72,380
Lithgow	Reticulation	Water Mains	Wm201246		1950	\$ 659 \$	673 \$	-	\$0	\$0		\$0	\$0	\$673
Lithgow	Reticulation	Water Mains	Wm201317		2004	\$ 3,896 \$	3,982 \$	-	\$0	\$0		\$0	\$0	\$3,982
Lithgow	Reticulation	Water Mains	Wm201318		2004	\$ 4,102 \$	4,192 \$	-	\$0	\$0		\$0	\$0	\$4,192
Lithgow	Reticulation	Water Mains	Wm201319		2004	\$ 4,577 \$	4,677 \$	-	\$0	\$0		\$0	\$0	\$4,677
Lithgow	Reticulation	Water Mains	Wm201320		2004	\$ 2,407 \$	2,460 \$	-	\$0	\$0		\$0	\$0	\$2,460
Lithgow	Reticulation	Water Mains	Wm201321		2004	\$ 107 \$	109 \$	-	\$0	\$0		\$0	\$0	\$109
Lithgow	Reticulation	Water Mains	Wm201322		2004	\$ 9,439 \$	9,647 \$	-	\$0	\$0		\$0	\$0	\$9,647
Lithgow	Reticulation	Water Mains	Wm201323		2004	\$ 5,384 \$	5,502 \$	-	\$0	\$0		\$0	\$0	\$5,502
Lithgow	Reticulation	Water Mains	Wm201324		2004	\$ 120 \$	123 \$	-	\$0	\$0		\$0	\$0	\$123
Lithgow	Reticulation	Water Mains	Wm201325		2004	\$ 5,398 \$	5,476 \$	-	\$0	\$0		\$0	\$0	\$5,476
Lithgow	Reticulation	Water Mains	Wm201326		2004	\$ 3,310 \$	3,363 \$	-	\$0	\$0		\$0	\$0	\$3,363
Lithgow	Reticulation	Water Mains	Wm201327		2004	\$ 5,681 \$	5,764 \$	-	\$0	\$0		\$0	\$0	\$5,764
Lithgow	Reticulation	Water Mains	Wm201328		2004	\$ 5,088 \$	5,197 \$	-	\$0	\$0		\$0	\$0	\$5,197
Lithgow	Reticulation	Water Mains	Wm201329		2004	\$ 8,708 \$	8,899 \$	-	\$0	\$0		\$0	\$0	\$8,899

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm201330		2004	\$ 11,715 \$	11,972 \$	-	\$0	\$0		\$0	\$0	\$11,972
Lithgow	Reticulation	Water Mains	Wm201331		2004	\$ 3,065 \$	3,136 \$	-	\$0	\$0		\$0	\$0	\$3,136
Lithgow	Reticulation	Water Mains	Wm201332		2004	\$ 1,340 \$	1,366 \$	-	\$0	\$0		\$0	\$0	\$1,366
Lithgow	Reticulation	Water Mains	Wm201333		2004	\$ 1,340 \$	1,379 \$	-	\$0	\$0		\$0	\$0	\$1,379
Lithgow	Reticulation	Water Mains	Wm201334		2004	\$ 4,418 \$	4,515 \$	-	\$0	\$0		\$0	\$0	\$4,515
Lithgow	Reticulation	Water Mains	Wm201335		2004	\$ 5,061 \$	5,172 \$	-	\$0	\$0		\$0	\$0	\$5,172
Lithgow	Reticulation	Water Mains	Wm201336		2004	\$ 3,073 \$	3,141 \$	-	\$0	\$0		\$0	\$0	\$3,141
Lithgow	Reticulation	Water Mains	Wm201337		2004	\$ 5,884 \$	6,013 \$	-	\$0	\$0		\$0	\$0	\$6,013
Lithgow	Reticulation	Water Mains	Wm201338		2004	\$ 5,882 \$	6,011 \$	-	\$0	\$0		\$0	\$0	\$6,011
Lithgow	Reticulation	Water Mains	Wm201339		2004	\$ 6,458 \$	6,600 \$	-	\$0	\$0		\$0	\$0	\$6,600
Lithgow	Reticulation	Water Mains	Wm201340		2004	\$ 7,957 \$	8,132 \$	-	\$0	\$0		\$0	\$0	\$8,132
Lithgow	Reticulation	Water Mains	Wm201341		2004	\$ 5,263 \$	5,379 \$	-	\$0	\$0		\$0	\$0	\$5,379
Lithgow	Reticulation	Water Mains	Wm201342		2004	\$ 5,329 \$	5,446 \$	-	\$0	\$0		\$0	\$0	\$5,446
Lithgow	Reticulation	Water Mains	Wm201343		2004	\$ 9,487 \$	9,695 \$	-	\$0	\$0		\$0	\$0	\$9,695
Lithgow	Reticulation	Water Mains	Wm201344		2004	\$ 118 \$	120 \$	-	\$0	\$0		\$0	\$0	\$120
Lithgow	Reticulation	Water Mains	Wm201345		2004	\$ 1,113 \$	1,133 \$	-	\$0	\$0		\$0	\$0	\$1,133
Lithgow	Reticulation	Water Mains	Wm201346		2004	\$ 1,911 \$	1,953 \$	-	\$0	\$0		\$0	\$0	\$1,953
Lithgow	Reticulation	Water Mains	Wm201347		2004	\$ 3,940 \$	4,037 \$	-	\$0	\$0		\$0	\$0	\$4,037
Lithgow	Reticulation	Water Mains	Wm201348		2004	\$ 2,792 \$	2,854 \$	-	\$0	\$0		\$0	\$0	\$2,854
Lithgow	Reticulation	Water Mains	Wm201349		2004	\$ 1,891 \$	1,933 \$	-	\$0	\$0		\$0	\$0	\$1,933
Lithgow	Reticulation	Water Mains	Wm201350		2004	\$ 88 \$	90 \$	-	\$0	\$0		\$0	\$0	\$90
Lithgow	Reticulation	Water Mains	Wm201351		2004	\$ 5,872 \$	6,001 \$	-	\$0	\$0		\$0	\$0	\$6,001
Lithgow	Reticulation	Water Mains	Wm201352		2004	\$ 101 \$	104 \$	-	\$0	\$0		\$0	\$0	\$104
Lithgow	Reticulation	Water Mains	Wm201353		2004	\$ 3,039 \$	3,106 \$	-	\$0	\$0		\$0	\$0	\$3,106
Lithgow	Reticulation	Water Mains	Wm201354		2004	\$ 4,892 \$	4,999 \$	-	\$0	\$0		\$0	\$0	\$4,999
Lithgow	Reticulation	Water Mains	Wm201355		2004	\$ 854 \$	873 \$	-	\$0	\$0		\$0	\$0	\$873
Lithgow	Reticulation	Water Mains	Wm201356		2004	\$ 6,035 \$	6,168 \$	-	\$0	\$0		\$0	\$0	\$6,168
Lithgow	Reticulation	Water Mains	Wm201357		2004	\$ 3,461 \$	3,537 \$	-	\$0	\$0		\$0	\$0	\$3,537
Lithgow	Reticulation	Water Mains	Wm201358		2004	\$ 5,012 \$	5,123 \$	-	\$0	\$0		\$0	\$0	\$5,123
Lithgow	Reticulation	Water Mains	Wm201359		2004	\$ 3,143 \$	3,186 \$	-	\$0	\$0		\$0	\$0	\$3,186
Lithgow	Reticulation	Water Mains	Wm201360		2004	\$ 1,151 \$	1,177 \$	-	\$0	\$0		\$0	\$0	\$1,177
Lithgow	Reticulation	Water Mains	Wm201361		2004	\$ 115 \$	117 \$	-	\$0	\$0		\$0	\$0	\$117
Lithgow	Reticulation	Water Mains	Wm201362		2004	\$ 5,824 \$	5,952 \$	-	\$0	\$0		\$0	\$0	\$5,952
Lithgow	Reticulation	Water Mains	Wm201363		2004	\$ 8,209 \$	8,390 \$	-	\$0	\$0		\$0	\$0	\$8,390
Lithgow	Reticulation	Water Mains	Wm201364		2004	\$ 8,943 \$	9,139 \$	-	\$0	\$0		\$0	\$0	\$9,139
Lithgow	Reticulation	Water Mains	Wm201365		2004	\$ 777 \$	794 \$	-	\$0	\$0		\$0	\$0	\$794
Lithgow	Reticulation	Water Mains	Wm201366		2004	\$ 5,130 \$	5,243 \$	-	\$0	\$0		\$0	\$0	\$5,243
Lithgow	Reticulation	Water Mains	Wm201367		2004	\$ 186 \$	190 \$	-	\$0	\$0		\$0	\$0	\$190
Lithgow	Reticulation	Water Mains	Wm201368		2004	\$ 801 \$	818 \$	-	\$0	\$0		\$0	\$0	\$818
Lithgow	Reticulation	Water Mains	Wm201369		2004	\$ 5,689 \$	5,813 \$	-	\$0	\$0		\$0	\$0	\$5,813
Lithgow	Reticulation	Water Mains	Wm201370		2004	\$ 10,439 \$	10,669 \$	-	\$0	\$0		\$0	\$0	\$10,669
Lithgow	Reticulation	Water Mains	Wm201371		2004	\$ 317 \$	324 \$	-	\$0	\$0		\$0	\$0	\$324
Lithgow	Reticulation	Water Mains	Wm201372		2004	\$ 4,174 \$	4,269 \$	-	\$0	\$0		\$0	\$0	\$4,269
Lithgow	Reticulation	Water Mains	Wm201373		2004	\$ 526 \$	537 \$	-	\$0	\$0		\$0	\$0	\$537
Lithgow	Reticulation	Water Mains	Wm201374		2004	\$ 198 \$	201 \$	-	\$0	\$0		\$0	\$0	\$201
Lithgow	Reticulation	Water Mains	Wm201375		1950	\$ 170 \$	174 \$	-	\$0	\$0		\$0	\$0	\$174
Lithgow	Reticulation	Water Mains	Wm201377		1950	\$ 4,317 \$	4,412 \$	-	\$0	\$0		\$0	\$0	\$4,412
Lithgow	Reticulation	Water Mains	Wm201378		1950	\$ 26,062 \$	26,656 \$	-	\$0	\$0		\$0	\$0	\$26,656
Lithgow	Reticulation	Water Mains	Wm201379		1950	\$ 61,161 \$	62,507 \$	-	\$0	\$0		\$0	\$0	\$62,507
Lithgow	Reticulation	Water Mains	Wm201380		1950	\$ 43,196 \$	44,146 \$	-	\$0	\$0		\$0	\$0	\$44,146
Lithgow	Reticulation	Water Mains	Wm201381		1950	\$ 1,570 \$	1,604 \$	-	\$0	\$0		\$0	\$0	\$1,604
Lithgow	Trunk	Water Mains	Wm201382		1950	\$ 239,328 \$	244,593 \$	244,593		\$0		\$0	\$0	\$244,593
Lithgow	Trunk	Water Mains	Wm201383		1950	\$ 534,108 \$	545,858 \$	545,858		\$0		\$0	\$0	\$545,858
Lithgow	Trunk	Water Mains	Wm201384		1950	\$ 192,261 \$	195,491 \$	195,491		\$0		\$0	\$0	\$195,491
Lithgow	Trunk	Water Mains	Wm201385		1950	\$ 19,468 \$	19,896 \$	19,896		\$0		\$0	\$0	\$19,896
Lithgow	Reticulation	Water Mains	Wm201386		1979	\$ 2,113 \$	2,143 \$	-	\$0	\$0		\$0	\$0	\$2,143
Lithgow	Reticulation	Water Mains	Wm201387		1979	\$ 2,113 \$	2,143 \$	-	\$0	\$0		\$0	\$0	\$2,143
Lithgow	Reticulation	Water Mains	Wm201388		1950	\$ 1,272,945 \$	1,300,838 \$	-	\$0	\$0		\$0	\$0	\$1,300,838
Lithgow	Reticulation	Water Mains	Wm201389		1979	\$ 30,629 \$	31,303 \$	-	\$0	\$0		\$0	\$0	\$31,303
Lithgow	Reticulation	Water Mains	Wm201390		1950	\$ 10,596 \$	10,819 \$	-	\$0	\$0		\$0	\$0	\$10,819
Lithgow	Reticulation	Water Mains	Wm201391		1950	\$ 75,268 \$	76,924 \$	-	\$0	\$0		\$0	\$0	\$76,924
Lithgow	Reticulation	Water Mains	Wm201392		1950	\$ 17,840 \$	18,232 \$	-	\$0	\$0		\$0	\$0	\$18,232
Lithgow	Reticulation	Water Mains	Wm201393		1950	\$ 604,887 \$	618,194 \$	-	\$0	\$0		\$0	\$0	\$618,194
Lithgow	Trunk	Water Mains	Wm201384		1950	\$ 171,298 \$	175,066 \$	175,066		\$0		\$0	\$0	\$175,066
Lithgow	Reticulation	Water Mains	Wm201395		1950	\$ 2,049 \$	2,094 \$	-	\$0	\$0		\$0	\$0	\$2,094
Lithgow	Reticulation	Water Mains	Wm201396		1950	\$ 8,988 \$	9,186 \$	-	\$0	\$0		\$0	\$0	\$9,186
Lithgow	Reticulation	Water Mains	Wm201397		1950	\$ 125,081 \$	127,832 \$	-	\$0	\$0		\$0	\$0	\$127,832
Lithgow	Reticulation	Water Mains	Wm201398		2004	\$ 11,003 \$	11,245 \$	-	\$0	\$0		\$0	\$0	\$11,245
Lithgow	Reticulation	Water Mains	Wm201399		2004	\$ 32,728 \$	33,448 \$	-	\$0	\$0		\$0	\$0	\$33,448
Lithgow	Reticulation	Water Mains	Wm201400		1979	\$ 24,948 \$	25,392 \$	-	\$0	\$0		\$0	\$0	\$25,392
Lithgow	Reticulation	Water Mains	Wm201401		1979	\$ 2,960 \$	3,026 \$	-	\$0	\$0		\$0	\$0	\$3,026
Lithgow	Reticulation	Water Mains	Wm201402		1979	\$ 17,547 \$	17,933 \$	-	\$0	\$0		\$0	\$0	\$17,933
Lithgow	Reticulation	Water Mains	Wm201403		1979	\$ 22,367 \$	22,859 \$	-	\$0	\$0		\$0	\$0	\$22,859
Lithgow	Reticulation	Water Mains	Wm201404		1979	\$ 26,778 \$	27,368 \$	-	\$0	\$0		\$0	\$0	\$27,368
Lithgow	Reticulation	Water Mains	Wm201405		1979	\$ 10,995 \$	11,237 \$	-	\$0	\$0		\$0	\$0	\$11,237
Lithgow	Reticulation	Water Mains	Wm201406		1979	\$ 15,146 \$	15,479 \$	-	\$0	\$0		\$0	\$0	\$15,479
Lithgow	Reticulation	Water Mains	Wm201407		1979	\$ 3,033 \$	3,100 \$	-	\$0	\$0		\$0	\$0	\$3,100
Lithgow	Reticulation	Water Mains	Wm201408		1979	\$ 52,020 \$	53,164 \$	-	\$0	\$0		\$0	\$0	\$53,164
Lithgow	Reticulation	Water Mains	Wm201409		1979	\$ 86,061 \$	87,955 \$	-	\$0	\$0		\$0	\$0	\$87,955
Lithgow	Reticulation	Water Mains	Wm201410		1979	\$ 39,152 \$	40,013 \$	-	\$0	\$0		\$0	\$0	\$40,013
Lithgow	Reticulation	Water Mains	Wm201411		1979	\$ 58,280 \$	59,563 \$	-	\$0	\$0		\$0	\$0	\$59,563
Lithgow	Reticulation	Water Mains	Wm201412		1979	\$ 105,906 \$	108,236 \$	-	\$0	\$0		\$0	\$0	\$108,236
Lithgow	Reticulation	Water Mains	Wm201413		1979	\$ 1,568 \$	1,597 \$	-	\$0	\$0		\$0	\$0	\$1,597
Lithgow	Reticulation	Water Mains	Wm201414		1994	\$ 564 \$	577 \$	-	\$0	\$0		\$0	\$0	\$577
Lithgow	Reticulation	Water Mains	Wm201415		1994	\$ 20,101 \$	20,544 \$	-	\$0	\$0		\$0	\$0	\$20,544
Lithgow	Reticulation	Water Mains	Wm201416		1994			-	\$0	\$0		\$0	\$0	\$0

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm201417		1994	\$ 13,334 \$	13,627 \$	-	\$0	\$0		\$0		\$13,627
Lithgow	Reticulation	Water Mains	Wm201418		1994	\$ 14,015 \$	14,387 \$	-	\$0	\$0		\$0		\$14,387
Lithgow	Reticulation	Water Mains	Wm201419		1994	\$ 5,356 \$	5,473 \$	-	\$0	\$0		\$0		\$5,473
Lithgow	Reticulation	Water Mains	Wm201420		1994	\$ 38,608 \$	39,457 \$	-	\$0	\$0		\$0		\$39,457
Lithgow	Reticulation	Water Mains	Wm201421		1994	\$ 2,434 \$	2,488 \$	-	\$0	\$0		\$0		\$2,488
Lithgow	Reticulation	Water Mains	Wm201422		1994	\$ 6,755 \$	6,904 \$	-	\$0	\$0		\$0		\$6,904
Lithgow	Reticulation	Water Mains	Wm201423		1994	\$ 1,960 \$	2,003 \$	-	\$0	\$0		\$0		\$2,003
Lithgow	Reticulation	Water Mains	Wm201424		1994	\$ 16,150 \$	16,505 \$	-	\$0	\$0		\$0		\$16,505
Lithgow	Reticulation	Water Mains	Wm201425		1994	\$ 12,728 \$	13,008 \$	-	\$0	\$0		\$0		\$13,008
Lithgow	Reticulation	Water Mains	Wm201426		2001	\$ 11,851 \$	12,112 \$	-	\$0	\$0		\$0		\$12,112
Lithgow	Reticulation	Water Mains	Wm201427		2001	\$ 13,105 \$	13,393 \$	-	\$0	\$0		\$0		\$13,393
Lithgow	Reticulation	Water Mains	Wm201428		2001	\$ 16,633 \$	16,999 \$	-	\$0	\$0		\$0		\$16,999
Lithgow	Reticulation	Water Mains	Wm201429		2001	\$ 282 \$	289 \$	-	\$0	\$0		\$0		\$289
Lithgow	Reticulation	Water Mains	Wm201430		2001	\$ 14,576 \$	14,897 \$	-	\$0	\$0		\$0		\$14,897
Lithgow	Reticulation	Water Mains	Wm201431		2001	\$ 11,474 \$	11,616 \$	-	\$0	\$0		\$0		\$11,616
Lithgow	Reticulation	Water Mains	Wm201432		2001	\$ 4,616 \$	4,717 \$	-	\$0	\$0		\$0		\$4,717
Lithgow	Reticulation	Water Mains	Wm201433		1988	\$ 11,493 \$	11,744 \$	-	\$0	\$0		\$0		\$11,744
Lithgow	Reticulation	Water Mains	Wm201435		1988	\$ 19,422 \$	19,849 \$	-	\$0	\$0		\$0		\$19,849
Lithgow	Reticulation	Water Mains	Wm201436		1950	\$ 43 \$	44 \$	-	\$0	\$0		\$0		\$44
Lithgow	Reticulation	Water Mains	Wm201437		1950	\$ 16,811 \$	17,180 \$	-	\$0	\$0		\$0		\$17,180
Lithgow	Reticulation	Water Mains	Wm201438		1950	\$ 67 \$	68 \$	-	\$0	\$0		\$0		\$68
Lithgow	Reticulation	Water Mains	Wm201439		1950	\$ 58 \$	59 \$	-	\$0	\$0		\$0		\$59
Lithgow	Reticulation	Water Mains	Wm201440		1950	\$ 1,828 \$	1,868 \$	-	\$0	\$0		\$0		\$1,868
Lithgow	Reticulation	Water Mains	Wm201441		1950	\$ 28,963 \$	29,600 \$	-	\$0	\$0		\$0		\$29,600
Lithgow	Reticulation	Water Mains	Wm201442		1950	\$ 53,574 \$	54,753 \$	-	\$0	\$0		\$0		\$54,753
Lithgow	Reticulation	Water Mains	Wm201443		1950	\$ 74,632 \$	76,274 \$	-	\$0	\$0		\$0		\$76,274
Lithgow	Reticulation	Water Mains	Wm201445		1950	\$ 43,322 \$	44,439 \$	-	\$0	\$0		\$0		\$44,439
Lithgow	Reticulation	Water Mains	Wm201446		1980	\$ 107,201 \$	109,560 \$	-	\$0	\$0		\$0		\$109,560
Lithgow	Reticulation	Water Mains	Wm201448		1950	\$ 8,086 \$	8,264 \$	-	\$0	\$0		\$0		\$8,264
Lithgow	Reticulation	Water Mains	Wm201461		1950	\$ 292 \$	299 \$	-	\$0	\$0		\$0		\$299
Lithgow	Reticulation	Water Mains	Wm201462		1950	\$ 17,449 \$	17,833 \$	-	\$0	\$0		\$0		\$17,833
Lithgow	Reticulation	Water Mains	Wm201463		1950	\$ 16,764 \$	17,133 \$	-	\$0	\$0		\$0		\$17,133
Lithgow	Reticulation	Water Mains	Wm201464		1950	\$ 19,095 \$	19,515 \$	-	\$0	\$0		\$0		\$19,515
Lithgow	Reticulation	Water Mains	Wm201465		1950	\$ 7,649 \$	7,818 \$	-	\$0	\$0		\$0		\$7,818
Lithgow	Reticulation	Water Mains	Wm201466		1950	\$ 10,353 \$	10,581 \$	-	\$0	\$0		\$0		\$10,581
Lithgow	Reticulation	Water Mains	Wm201467		1950	\$ 50 \$	51 \$	-	\$0	\$0		\$0		\$51
Lithgow	Reticulation	Water Mains	Wm201468		1950	\$ 22,748 \$	23,248 \$	-	\$0	\$0		\$0		\$23,248
Lithgow	Reticulation	Water Mains	Wm201469		1950	\$ 878 \$	899 \$	-	\$0	\$0		\$0		\$899
Lithgow	Reticulation	Water Mains	Wm201470		1950	\$ 14,370 \$	14,734 \$	-	\$0	\$0		\$0		\$14,734
Lithgow	Reticulation	Water Mains	Wm201471		1950	\$ 20,950 \$	21,411 \$	-	\$0	\$0		\$0		\$21,411
Lithgow	Reticulation	Water Mains	Wm201472		1950	\$ 11,083 \$	11,327 \$	-	\$0	\$0		\$0		\$11,327
Lithgow	Reticulation	Water Mains	Wm201474		1950	\$ 153,652 \$	157,033 \$	-	\$0	\$0		\$0		\$157,033
Lithgow	Reticulation	Water Mains	Wm201476		1950	\$ 7,274 \$	7,434 \$	-	\$0	\$0		\$0		\$7,434
Lithgow	Reticulation	Water Mains	Wm201477		1950	\$ 256 \$	261 \$	-	\$0	\$0		\$0		\$261
Lithgow	Reticulation	Water Mains	Wm201478		1950	\$ 14,458 \$	14,776 \$	-	\$0	\$0		\$0		\$14,776
Lithgow	Reticulation	Water Mains	Wm201479		1950	\$ 2,536 \$	2,591 \$	-	\$0	\$0		\$0		\$2,591
Lithgow	Reticulation	Water Mains	Wm201480		1950	\$ 31 \$	32 \$	-	\$0	\$0		\$0		\$32
Lithgow	Reticulation	Water Mains	Wm201481		1950	\$ 1,174 \$	1,200 \$	-	\$0	\$0		\$0		\$1,200
Lithgow	Reticulation	Water Mains	Wm201482		1950	\$ 125,098 \$	127,850 \$	-	\$0	\$0		\$0		\$127,850
Lithgow	Reticulation	Water Mains	Wm201483		1950	\$ 18,022 \$	18,419 \$	-	\$0	\$0		\$0		\$18,419
Lithgow	Reticulation	Water Mains	Wm201484		1950	\$ 1,136 \$	1,161 \$	-	\$0	\$0		\$0		\$1,161
Lithgow	Reticulation	Water Mains	Wm201485		1950	\$ 13,323 \$	13,618 \$	-	\$0	\$0		\$0		\$13,618
Lithgow	Reticulation	Water Mains	Wm201486		1950	\$ 12,424 \$	12,688 \$	-	\$0	\$0		\$0		\$12,688
Lithgow	Reticulation	Water Mains	Wm201487		1950	\$ 471 \$	482 \$	-	\$0	\$0		\$0		\$482
Lithgow	Reticulation	Water Mains	Wm201488		1950	\$ 169 \$	173 \$	-	\$0	\$0		\$0		\$173
Lithgow	Reticulation	Water Mains	Wm201489		1950	\$ 8,381 \$	8,565 \$	-	\$0	\$0		\$0		\$8,565
Lithgow	Reticulation	Water Mains	Wm201490		1950	\$ 195 \$	200 \$	-	\$0	\$0		\$0		\$200
Lithgow	Reticulation	Water Mains	Wm201491		1950	\$ 789 \$	807 \$	-	\$0	\$0		\$0		\$807
Lithgow	Reticulation	Water Mains	Wm201492		1950	\$ 10,557 \$	10,789 \$	-	\$0	\$0		\$0		\$10,789
Lithgow	Reticulation	Water Mains	Wm201493		1950	\$ 16,302 \$	16,660 \$	-	\$0	\$0		\$0		\$16,660
Lithgow	Reticulation	Water Mains	Wm201494		1950	\$ 74 \$	75 \$	-	\$0	\$0		\$0		\$75
Lithgow	Reticulation	Water Mains	Wm201495		1950	\$ 107 \$	109 \$	-	\$0	\$0		\$0		\$109
Lithgow	Reticulation	Water Mains	Wm201496		1950	\$ 157 \$	161 \$	-	\$0	\$0		\$0		\$161
Lithgow	Reticulation	Water Mains	Wm201498		1950	\$ 27,138 \$	28,314 \$	-	\$0	\$0		\$0		\$28,314
Lithgow	Reticulation	Water Mains	Wm201500		1950	\$ 2,230 \$	2,279 \$	-	\$0	\$0		\$0		\$2,279
Lithgow	Reticulation	Water Mains	Wm201501		1950	\$ 3,719 \$	3,801 \$	-	\$0	\$0		\$0		\$3,801
Lithgow	Reticulation	Water Mains	Wm201502		1950	\$ 2,259 \$	2,309 \$	-	\$0	\$0		\$0		\$2,309
Lithgow	Reticulation	Water Mains	Wm201503		1950	\$ 99 \$	101 \$	-	\$0	\$0		\$0		\$101
Lithgow	Reticulation	Water Mains	Wm201504		1950	\$ 5,133 \$	5,246 \$	-	\$0	\$0		\$0		\$5,246
Lithgow	Reticulation	Water Mains	Wm201505		1950	\$ 4,473 \$	4,572 \$	-	\$0	\$0		\$0		\$4,572
Lithgow	Reticulation	Water Mains	Wm201506		1950	\$ 46 \$	46 \$	-	\$0	\$0		\$0		\$46
Lithgow	Reticulation	Water Mains	Wm201507		1950	\$ 6,616 \$	6,762 \$	-	\$0	\$0		\$0		\$6,762
Lithgow	Reticulation	Water Mains	Wm201508		1950	\$ 130 \$	133 \$	-	\$0	\$0		\$0		\$133
Lithgow	Reticulation	Water Mains	Wm201509		1950	\$ 20,620 \$	21,073 \$	-	\$0	\$0		\$0		\$21,073
Lithgow	Reticulation	Water Mains	Wm201510		1950	\$ 5,729 \$	5,855 \$	-	\$0	\$0		\$0		\$5,855
Lithgow	Reticulation	Water Mains	Wm201511		1950	\$ 4,346 \$	4,491 \$	-	\$0	\$0		\$0		\$4,491
Lithgow	Reticulation	Water Mains	Wm201512		1950	\$ 2,418 \$	2,437 \$	-	\$0	\$0		\$0		\$2,437
Lithgow	Reticulation	Water Mains	Wm201513		1950	\$ 228 \$	233 \$	-	\$0	\$0		\$0		\$233
Lithgow	Reticulation	Water Mains	Wm201515		1950	\$ 228 \$	233 \$	-	\$0	\$0		\$0		\$233

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm201516		1950	\$ 3,036 \$	\$ 3,102 \$	-	\$0	\$0		\$0		\$3,102
Lithgow	Reticulation	Water Mains	Wm201517		1950	\$ 42 \$	\$ 42 \$	-	\$0	\$0		\$0		\$42
Lithgow	Reticulation	Water Mains	Wm201518		1950	\$ 1,717 \$	\$ 1,765 \$	-	\$0	\$0		\$0		\$1,765
Lithgow	Reticulation	Water Mains	Wm201519		1950	\$ 6,112 \$	\$ 6,247 \$	-	\$0	\$0		\$0		\$6,247
Lithgow	Reticulation	Water Mains	Wm201520		1950	\$ 12,453 \$	\$ 12,727 \$	-	\$0	\$0		\$0		\$12,727
Lithgow	Reticulation	Water Mains	Wm201521		1950	\$ 852 \$	\$ 871 \$	-	\$0	\$0		\$0		\$871
Lithgow	Reticulation	Water Mains	Wm201522		1950	\$ 4,919 \$	\$ 5,027 \$	-	\$0	\$0		\$0		\$5,027
Lithgow	Reticulation	Water Mains	Wm201523		1950	\$ 839 \$	\$ 857 \$	-	\$0	\$0		\$0		\$857
Lithgow	Reticulation	Water Mains	Wm201524		1950	\$ 370,328 \$	\$ 378,475 \$	-	\$0	\$0		\$0		\$378,475
Lithgow	Reticulation	Water Mains	Wm201525		1950	\$ 161,045 \$	\$ 164,588 \$	164,588	\$0	\$0		\$0		\$164,588
Lithgow	Trunk	Water Mains	Wm201526		1950	\$ 47,378 \$	\$ 48,421 \$	48,421	\$0	\$0		\$0		\$48,421
Lithgow	Reticulation	Water Mains	Wm201527		1950	\$ 240,057 \$	\$ 245,339 \$	-	\$0	\$0		\$0		\$245,339
Lithgow	Reticulation	Water Mains	Wm201528		1950	\$ 66,189 \$	\$ 67,645 \$	-	\$0	\$0		\$0		\$67,645
Lithgow	Reticulation	Water Mains	Wm201529		1950	\$ 435 \$	\$ 445 \$	-	\$0	\$0		\$0		\$445
Lithgow	Reticulation	Water Mains	Wm201530		1950	\$ 17 \$	\$ 17 \$	-	\$0	\$0		\$0		\$17
Lithgow	Reticulation	Water Mains	Wm201531		1950	\$ 68 \$	\$ 703 \$	-	\$0	\$0		\$0		\$703
Lithgow	Reticulation	Water Mains	Wm201532		1950	\$ 83 \$	\$ 85 \$	-	\$0	\$0		\$0		\$85
Lithgow	Reticulation	Water Mains	Wm201533		1950	\$ 502 \$	\$ 513 \$	-	\$0	\$0		\$0		\$513
Lithgow	Reticulation	Water Mains	Wm201534		1950	\$ 153,396 \$	\$ 156,773 \$	-	\$0	\$0		\$0		\$156,773
Lithgow	Reticulation	Water Mains	Wm201535		1950	\$ 17 \$	\$ 18 \$	-	\$0	\$0		\$0		\$18
Lithgow	Reticulation	Water Mains	Wm201536		1950	\$ 390 \$	\$ 399 \$	-	\$0	\$0		\$0		\$399
Lithgow	Reticulation	Water Mains	Wm201537		1950	\$ 38,596 \$	\$ 40,466 \$	-	\$0	\$0		\$0		\$40,466
Lithgow	Reticulation	Water Mains	Wm201538		1950	\$ 73,872 \$	\$ 75,497 \$	-	\$0	\$0		\$0		\$75,497
Lithgow	Reticulation	Water Mains	Wm201539		1950	\$ 343 \$	\$ 350 \$	-	\$0	\$0		\$0		\$350
Lithgow	Reticulation	Water Mains	Wm201540		1950	\$ 116,790 \$	\$ 119,359 \$	-	\$0	\$0		\$0		\$119,359
Lithgow	Reticulation	Water Mains	Wm201541		1950	\$ 1,817 \$	\$ 1,857 \$	-	\$0	\$0		\$0		\$1,857
Lithgow	Reticulation	Water Mains	Wm201542		1950	\$ 69,978 \$	\$ 71,518 \$	-	\$0	\$0		\$0		\$71,518
Lithgow	Reticulation	Water Mains	Wm201543		1950	\$ 1,133 \$	\$ 1,153 \$	-	\$0	\$0		\$0		\$1,153
Lithgow	Reticulation	Water Mains	Wm201544		1950	\$ 11 \$	\$ 11 \$	-	\$0	\$0		\$0		\$11
Lithgow	Reticulation	Water Mains	Wm201545		1950	\$ 820 \$	\$ 838 \$	-	\$0	\$0		\$0		\$838
Lithgow	Reticulation	Water Mains	Wm201546		1950	\$ 472 \$	\$ 483 \$	-	\$0	\$0		\$0		\$483
Lithgow	Reticulation	Water Mains	Wm201547		1950	\$ 2,409 \$	\$ 2,482 \$	-	\$0	\$0		\$0		\$2,482
Lithgow	Reticulation	Water Mains	Wm201548		1950	\$ 34,712 \$	\$ 35,475 \$	-	\$0	\$0		\$0		\$35,475
Lithgow	Reticulation	Water Mains	Wm201549		1950	\$ 144,187 \$	\$ 147,359 \$	-	\$0	\$0		\$0		\$147,359
Lithgow	Reticulation	Water Mains	Wm201550		1979	\$ 23,469 \$	\$ 23,985 \$	-	\$0	\$0		\$0		\$23,985
Lithgow	Reticulation	Water Mains	Wm201551		1950	\$ 69,142 \$	\$ 70,663 \$	-	\$0	\$0		\$0		\$70,663
Lithgow	Reticulation	Water Mains	Wm201552		1950	\$ 9,783 \$	\$ 9,998 \$	-	\$0	\$0		\$0		\$9,998
Lithgow	Reticulation	Water Mains	Wm201553		1950	\$ 565 \$	\$ 578 \$	-	\$0	\$0		\$0		\$578
Lithgow	Reticulation	Water Mains	Wm201554		1950	\$ 2,904 \$	\$ 2,968 \$	-	\$0	\$0		\$0		\$2,968
Lithgow	Reticulation	Water Mains	Wm201555		1950	\$ 698 \$	\$ 713 \$	-	\$0	\$0		\$0		\$713
Lithgow	Reticulation	Water Mains	Wm201556		1950	\$ 8,474 \$	\$ 8,660 \$	-	\$0	\$0		\$0		\$8,660
Lithgow	Reticulation	Water Mains	Wm201557		1950	\$ 6,130 \$	\$ 6,271 \$	-	\$0	\$0		\$0		\$6,271
Lithgow	Reticulation	Water Mains	Wm201558		1950	\$ 23,232 \$	\$ 23,743 \$	-	\$0	\$0		\$0		\$23,743
Lithgow	Reticulation	Water Mains	Wm201559		1950	\$ 93 \$	\$ 95 \$	-	\$0	\$0		\$0		\$95
Lithgow	Reticulation	Water Mains	Wm201560		1950	\$ 14,687 \$	\$ 15,011 \$	-	\$0	\$0		\$0		\$15,011
Lithgow	Reticulation	Water Mains	Wm201561		1950	\$ 11,990 \$	\$ 12,254 \$	-	\$0	\$0		\$0		\$12,254
Lithgow	Reticulation	Water Mains	Wm201562		1950	\$ 154 \$	\$ 157 \$	-	\$0	\$0		\$0		\$157
Lithgow	Reticulation	Water Mains	Wm201563		1950	\$ 344 \$	\$ 352 \$	-	\$0	\$0		\$0		\$352
Lithgow	Reticulation	Water Mains	Wm201564		1950	\$ 2,074 \$	\$ 2,120 \$	-	\$0	\$0		\$0		\$2,120
Lithgow	Reticulation	Water Mains	Wm201565		1950	\$ 433 \$	\$ 442 \$	-	\$0	\$0		\$0		\$442
Lithgow	Reticulation	Water Mains	Wm201566		1950	\$ 587 \$	\$ 600 \$	-	\$0	\$0		\$0		\$600
Lithgow	Reticulation	Water Mains	Wm201567		1950	\$ 17,198 \$	\$ 17,576 \$	-	\$0	\$0		\$0		\$17,576
Lithgow	Reticulation	Water Mains	Wm201568		1950	\$ 2,131 \$	\$ 2,167 \$	-	\$0	\$0		\$0		\$2,167
Lithgow	Reticulation	Water Mains	Wm201569		1950	\$ 1,232 \$	\$ 1,259 \$	-	\$0	\$0		\$0		\$1,259
Lithgow	Reticulation	Water Mains	Wm201570		1950	\$ 49,464 \$	\$ 50,553 \$	-	\$0	\$0		\$0		\$50,553
Lithgow	Reticulation	Water Mains	Wm201571		1950	\$ 1,949 \$	\$ 1,992 \$	-	\$0	\$0		\$0		\$1,992
Lithgow	Reticulation	Water Mains	Wm201572		1950	\$ 2,170 \$	\$ 2,218 \$	-	\$0	\$0		\$0		\$2,218
Lithgow	Reticulation	Water Mains	Wm201573		1950	\$ 3,434 \$	\$ 3,509 \$	-	\$0	\$0		\$0		\$3,509
Lithgow	Reticulation	Water Mains	Wm201574		1950	\$ 7,505 \$	\$ 7,670 \$	-	\$0	\$0		\$0		\$7,670
Lithgow	Reticulation	Water Mains	Wm201575		1950	\$ 15,587 \$	\$ 15,930 \$	-	\$0	\$0		\$0		\$15,930
Lithgow	Reticulation	Water Mains	Wm201576		1950	\$ 1,156 \$	\$ 1,181 \$	-	\$0	\$0		\$0		\$1,181
Lithgow	Reticulation	Water Mains	Wm201577		1950	\$ 21,474 \$	\$ 21,946 \$	-	\$0	\$0		\$0		\$21,946
Lithgow	Reticulation	Water Mains	Wm201578		1950	\$ 4,080 \$	\$ 4,170 \$	-	\$0	\$0		\$0		\$4,170
Lithgow	Reticulation	Water Mains	Wm201579		1950	\$ 23,640 \$	\$ 24,364 \$	-	\$0	\$0		\$0		\$24,364
Lithgow	Reticulation	Water Mains	Wm201580		1950	\$ 9 \$	\$ 9 \$	-	\$0	\$0		\$0		\$9
Lithgow	Reticulation	Water Mains	Wm201581		1950	\$ 9,497 \$	\$ 9,719 \$	-	\$0	\$0		\$0		\$9,719
Lithgow	Reticulation	Water Mains	Wm201582		1950	\$ 11 \$	\$ 11 \$	-	\$0	\$0		\$0		\$11
Lithgow	Reticulation	Water Mains	Wm201583		1950	\$ 38,108 \$	\$ 38,947 \$	-	\$0	\$0		\$0		\$38,947
Lithgow	Reticulation	Water Mains	Wm201584		1950	\$ 9,320 \$	\$ 9,534 \$	-	\$0	\$0		\$0		\$9,534
Lithgow	Reticulation	Water Mains	Wm201585		1950	\$ 15,280 \$	\$ 15,616 \$	-	\$0	\$0		\$0		\$15,616
Lithgow	Reticulation	Water Mains	Wm201586		1950	\$ 1,105 \$	\$ 1,129 \$	-	\$0	\$0		\$0		\$1,129
Lithgow	Reticulation	Water Mains	Wm201587		1950	\$ 18,229 \$	\$ 18,630 \$	-	\$0	\$0		\$0		\$18,630
Lithgow	Reticulation	Water Mains	Wm201588		1950	\$ 997 \$	\$ 1,019 \$	-	\$0	\$0		\$0		\$1,019
Lithgow	Reticulation	Water Mains	Wm201589		1950	\$ 1,608 \$	\$ 1,638 \$	-	\$0	\$0		\$0		\$1,638
Lithgow	Reticulation	Water Mains	Wm201590		1950	\$ 12,927 \$	\$ 13,211 \$	-	\$0	\$0		\$0		\$13,211
Lithgow	Reticulation	Water Mains	Wm201591		1950	\$ 6,243 \$	\$ 6,380 \$	-	\$0	\$0		\$0		\$6,380
Lithgow	Reticulation	Water Mains	Wm201592		1950	\$ 4,064 \$	\$ 4,153 \$	-	\$0	\$0		\$0		\$4,153
Lithgow	Reticulation	Water Mains	Wm201593		1950	\$ 12,593 \$	\$ 12,870 \$	-	\$0	\$0		\$0		\$12,870
Lithgow	Reticulation	Water Mains	Wm201594		1950	\$ 13,348 \$	\$ 13,642 \$	-	\$0	\$0		\$0		\$13,642
Lithgow	Reticulation	Water Mains	Wm201595		1950	\$ 12,911 \$	\$ 13,194 \$	-	\$0	\$0		\$0		\$13,194
Lithgow	Reticulation	Water Mains	Wm201596		1950	\$ 20 \$	\$ 20 \$	-	\$0	\$0		\$0		\$20
Lithgow	Reticulation	Water Mains	Wm201597		1950	\$ 4,209 \$	\$ 4,302 \$	-	\$0	\$0		\$0		\$4,302
Lithgow	Reticulation	Water Mains	Wm201598		1950	\$ 4,209 \$	\$ 4,302 \$	-	\$0	\$0		\$0		\$4,302

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Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm201603		1950	\$ 31,763 \$	32,462 \$	-	\$0	\$0		\$0	\$0	\$32,462
Lithgow	Reticulation	Water Mains	Wm201604		1950	\$ 8,433 \$	8,433 \$	-	\$0	\$0		\$0	\$0	\$8,433
Lithgow	Reticulation	Water Mains	Wm201605		1950	\$ 1,924 \$	1,924 \$	-	\$0	\$0		\$0	\$0	\$1,924
Lithgow	Reticulation	Water Mains	Wm201606		1950	\$ 37,438 \$	38,242 \$	-	\$0	\$0		\$0	\$0	\$38,242
Lithgow	Reticulation	Water Mains	Wm201607		1950	\$ 27,823 \$	28,432 \$	-	\$0	\$0		\$0	\$0	\$28,432
Lithgow	Reticulation	Water Mains	Wm201608		1950	\$ 41,045 \$	41,948 \$	-	\$0	\$0		\$0	\$0	\$41,948
Lithgow	Reticulation	Water Mains	Wm201609		1950	\$ 953 \$	974 \$	-	\$0	\$0		\$0	\$0	\$974
Lithgow	Reticulation	Water Mains	Wm201610		1950	\$ 7,439 \$	7,603 \$	-	\$0	\$0		\$0	\$0	\$7,603
Lithgow	Reticulation	Water Mains	Wm201611		1950	\$ 728 \$	744 \$	-	\$0	\$0		\$0	\$0	\$744
Lithgow	Reticulation	Water Mains	Wm201612		1950	\$ 4,873 \$	4,980 \$	-	\$0	\$0		\$0	\$0	\$4,980
Lithgow	Reticulation	Water Mains	Wm201613		1950	\$ 24,224 \$	24,757 \$	-	\$0	\$0		\$0	\$0	\$24,757
Lithgow	Reticulation	Water Mains	Wm201614		1950	\$ 472 \$	482 \$	-	\$0	\$0		\$0	\$0	\$482
Lithgow	Reticulation	Water Mains	Wm201615		1950	\$ 19 \$	20 \$	-	\$0	\$0		\$0	\$0	\$20
Lithgow	Reticulation	Water Mains	Wm201616		1950	\$ 4,862 \$	4,969 \$	-	\$0	\$0		\$0	\$0	\$4,969
Lithgow	Reticulation	Water Mains	Wm201617		1950	\$ 23,925 \$	24,622 \$	-	\$0	\$0		\$0	\$0	\$24,622
Lithgow	Reticulation	Water Mains	Wm201618		1950	\$ 1,170 \$	1,183 \$	-	\$0	\$0		\$0	\$0	\$1,183
Lithgow	Reticulation	Water Mains	Wm201619		1950	\$ 1,766 \$	1,786 \$	-	\$0	\$0		\$0	\$0	\$1,786
Lithgow	Reticulation	Water Mains	Wm201620		1950	\$ 96 \$	98 \$	-	\$0	\$0		\$0	\$0	\$98
Lithgow	Reticulation	Water Mains	Wm201621		1950	\$ 24,502 \$	25,042 \$	-	\$0	\$0		\$0	\$0	\$25,042
Lithgow	Reticulation	Water Mains	Wm201622		1950	\$ 57,395 \$	58,682 \$	-	\$0	\$0		\$0	\$0	\$58,682
Lithgow	Reticulation	Water Mains	Wm201623		1950	\$ 17,118 \$	17,494 \$	-	\$0	\$0		\$0	\$0	\$17,494
Lithgow	Reticulation	Water Mains	Wm201624		1950	\$ 7,979 \$	8,155 \$	-	\$0	\$0		\$0	\$0	\$8,155
Lithgow	Reticulation	Water Mains	Wm201625		1950	\$ 6,037 \$	6,170 \$	-	\$0	\$0		\$0	\$0	\$6,170
Lithgow	Reticulation	Water Mains	Wm201626		1950	\$ 3,574 \$	3,653 \$	-	\$0	\$0		\$0	\$0	\$3,653
Lithgow	Reticulation	Water Mains	Wm201627		1950	\$ 51,794 \$	52,934 \$	-	\$0	\$0		\$0	\$0	\$52,934
Lithgow	Reticulation	Water Mains	Wm201628		1950	\$ 257 \$	262 \$	-	\$0	\$0		\$0	\$0	\$262
Lithgow	Reticulation	Water Mains	Wm201629		1950	\$ 43,303 \$	44,256 \$	-	\$0	\$0		\$0	\$0	\$44,256
Lithgow	Reticulation	Water Mains	Wm201630		1950	\$ 6,517 \$	6,660 \$	-	\$0	\$0		\$0	\$0	\$6,660
Lithgow	Reticulation	Water Mains	Wm201631		1950	\$ 20,472 \$	20,846 \$	-	\$0	\$0		\$0	\$0	\$20,846
Lithgow	Reticulation	Water Mains	Wm201632		1950	\$ 16,242 \$	16,569 \$	-	\$0	\$0		\$0	\$0	\$16,569
Lithgow	Reticulation	Water Mains	Wm201633		1950	\$ 40,138 \$	41,022 \$	-	\$0	\$0		\$0	\$0	\$41,022
Lithgow	Reticulation	Water Mains	Wm201634		1950	\$ 9,133 \$	9,334 \$	-	\$0	\$0		\$0	\$0	\$9,334
Lithgow	Reticulation	Water Mains	Wm201635		1950	\$ 13,588 \$	13,887 \$	-	\$0	\$0		\$0	\$0	\$13,887
Lithgow	Reticulation	Water Mains	Wm201636		1950	\$ 17,823 \$	18,215 \$	-	\$0	\$0		\$0	\$0	\$18,215
Lithgow	Reticulation	Water Mains	Wm201637		1950	\$ 204,621 \$	209,123 \$	-	\$0	\$0		\$0	\$0	\$209,123
Lithgow	Reticulation	Water Mains	Wm201638		1950	\$ 5,374 \$	5,492 \$	-	\$0	\$0		\$0	\$0	\$5,492
Lithgow	Reticulation	Water Mains	Wm201639		1950	\$ 4,954 \$	5,063 \$	-	\$0	\$0		\$0	\$0	\$5,063
Lithgow	Reticulation	Water Mains	Wm201640		1950	\$ 16,226 \$	16,563 \$	-	\$0	\$0		\$0	\$0	\$16,563
Lithgow	Reticulation	Water Mains	Wm201641		1950	\$ 265 \$	271 \$	-	\$0	\$0		\$0	\$0	\$271
Lithgow	Reticulation	Water Mains	Wm201642		1950	\$ 10,370 \$	10,599 \$	-	\$0	\$0		\$0	\$0	\$10,599
Lithgow	Reticulation	Water Mains	Wm201643		1950	\$ 8 \$	9 \$	-	\$0	\$0		\$0	\$0	\$9
Lithgow	Reticulation	Water Mains	Wm201644		1950	\$ 7,450 \$	7,604 \$	-	\$0	\$0		\$0	\$0	\$7,604
Lithgow	Reticulation	Water Mains	Wm201645		1950	\$ 21,466 \$	21,915 \$	-	\$0	\$0		\$0	\$0	\$21,915
Lithgow	Reticulation	Water Mains	Wm201646		1950	\$ 25,357 \$	25,915 \$	-	\$0	\$0		\$0	\$0	\$25,915
Lithgow	Reticulation	Water Mains	Wm201647		1957	\$ 1,685 \$	1,722 \$	-	\$0	\$0		\$0	\$0	\$1,722
Lithgow	Reticulation	Water Mains	Wm201648		1957	\$ 6,022 \$	6,168 \$	-	\$0	\$0		\$0	\$0	\$6,168
Lithgow	Reticulation	Water Mains	Wm201649		1957	\$ 4,506 \$	4,605 \$	-	\$0	\$0		\$0	\$0	\$4,605
Lithgow	Reticulation	Water Mains	Wm201650		1957	\$ 1,263 \$	1,291 \$	-	\$0	\$0		\$0	\$0	\$1,291
Lithgow	Reticulation	Water Mains	Wm201651		1957	\$ 281 \$	287 \$	-	\$0	\$0		\$0	\$0	\$287
Lithgow	Reticulation	Water Mains	Wm201652		1957	\$ 8,216 \$	8,396 \$	-	\$0	\$0		\$0	\$0	\$8,396
Lithgow	Reticulation	Water Mains	Wm201653		1957	\$ 721 \$	736 \$	-	\$0	\$0		\$0	\$0	\$736
Lithgow	Reticulation	Water Mains	Wm201654		1957	\$ 49,871 \$	50,968 \$	-	\$0	\$0		\$0	\$0	\$50,968
Lithgow	Reticulation	Water Mains	Wm201655		1957	\$ 1,364 \$	1,394 \$	-	\$0	\$0		\$0	\$0	\$1,394
Lithgow	Reticulation	Water Mains	Wm201656		1950	\$ 749 \$	766 \$	-	\$0	\$0		\$0	\$0	\$766
Lithgow	Reticulation	Water Mains	Wm201657		1950	\$ 197,624 \$	201,972 \$	-	\$0	\$0		\$0	\$0	\$201,972
Lithgow	Reticulation	Water Mains	Wm201658		1950	\$ 163,683 \$	168,650 \$	-	\$0	\$0		\$0	\$0	\$168,650
Lithgow	Reticulation	Water Mains	Wm201659		1950	\$ 94,349 \$	96,415 \$	-	\$0	\$0		\$0	\$0	\$96,415
Lithgow	Reticulation	Water Mains	Wm201660		1950	\$ 34 \$	35 \$	-	\$0	\$0		\$0	\$0	\$35
Lithgow	Reticulation	Water Mains	Wm201661		1950	\$ 360 \$	368 \$	-	\$0	\$0		\$0	\$0	\$368
Lithgow	Reticulation	Water Mains	Wm201662		1950	\$ 1,503 \$	1,536 \$	-	\$0	\$0		\$0	\$0	\$1,536
Lithgow	Reticulation	Water Mains	Wm201663		1950	\$ 23,877 \$	24,403 \$	-	\$0	\$0		\$0	\$0	\$24,403
Lithgow	Reticulation	Water Mains	Wm201664		1950	\$ 28,357 \$	28,981 \$	-	\$0	\$0		\$0	\$0	\$28,981
Lithgow	Reticulation	Water Mains	Wm201665		1950	\$ 21,004 \$	21,466 \$	-	\$0	\$0		\$0	\$0	\$21,466
Lithgow	Reticulation	Water Mains	Wm201666		1950	\$ 88,619 \$	90,569 \$	-	\$0	\$0		\$0	\$0	\$90,569
Lithgow	Reticulation	Water Mains	Wm201667		1950	\$ 69,795 \$	71,239 \$	-	\$0	\$0		\$0	\$0	\$71,239
Lithgow	Reticulation	Water Mains	Wm201668		1950	\$ 80,524 \$	82,295 \$	-	\$0	\$0		\$0	\$0	\$82,295
Lithgow	Reticulation	Water Mains	Wm201669		1950	\$ 48 \$	49 \$	-	\$0	\$0		\$0	\$0	\$49
Lithgow	Reticulation	Water Mains	Wm201670		1950	\$ 22,792 \$	23,294 \$	-	\$0	\$0		\$0	\$0	\$23,294
Lithgow	Reticulation	Water Mains	Wm201671		1950	\$ 12,680 \$	12,843 \$	-	\$0	\$0		\$0	\$0	\$12,843
Lithgow	Reticulation	Water Mains	Wm201672		1950	\$ 125,494 \$	127,251 \$	-	\$0	\$0		\$0	\$0	\$127,251
Lithgow	Reticulation	Water Mains	Wm201673		1950	\$ 188,577 \$	192,726 \$	-	\$0	\$0		\$0	\$0	\$192,726
Lithgow	Reticulation	Water Mains	Wm201674		1950	\$ 18,009 \$	18,405 \$	-	\$0	\$0		\$0	\$0	\$18,405
Lithgow	Reticulation	Water Mains	Wm201675		1950	\$ 21,610 \$	22,085 \$	-	\$0	\$0		\$0	\$0	\$22,085
Lithgow	Reticulation	Water Mains	Wm201676		1950	\$ 2,503 \$	2,558 \$	-	\$0	\$0		\$0	\$0	\$2,558
Lithgow	Reticulation	Water Mains	Wm201677		1950	\$ 2,921 \$	2,985 \$	-	\$0	\$0		\$0	\$0	\$2,985
Lithgow	Reticulation	Water Mains	Wm201678		1950	\$ 21,407 \$	21,876 \$	-	\$0	\$0		\$0	\$0	\$21,876
Lithgow	Reticulation	Water Mains	Wm201679		1950	\$ 23,720 \$	24,242 \$	-	\$0	\$0		\$0	\$0	\$24,242
Lithgow	Reticulation	Water Mains	Wm201680		1950	\$ 761 \$	777 \$	-	\$0	\$0		\$0	\$0	\$777
Lithgow	Reticulation	Water Mains	Wm201681		1950	\$ 38 \$	39 \$	-	\$0	\$0		\$0	\$0	\$39
Lithgow	Reticulation	Water Mains	Wm201682		1950	\$ 42 \$	42 \$	-	\$0	\$0		\$0	\$0	\$42
Lithgow	Reticulation	Water Mains	Wm201683		1950	\$ 700 \$	716 \$	-	\$0	\$0		\$0	\$0	\$716
Lithgow	Reticulation	Water Mains	Wm201684		1950	\$ 44,002 \$	44,970 \$	-	\$0	\$0		\$0	\$0	\$44,970
Lithgow	Reticulation	Water Mains	Wm201685		1950	\$ 531 \$	541 \$	-	\$0	\$0		\$0	\$0	\$541
Lithgow	Reticulation	Water Mains	Wm201686		1950	\$ 541 \$	542 \$	-	\$0	\$0		\$0	\$0	\$542
Lithgow	Reticulation	Water Mains	Wm201687		1950	\$ 33 \$	34 \$	-	\$0	\$0		\$0	\$0	\$34
Lithgow	Reticulation	Water Mains	Wm201688		1950	\$ 33 \$	34 \$	-	\$0	\$0		\$0	\$0	\$34

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Reticulation	Water Mains	Wm201690		1950	\$ 251,525	\$ 257,069	\$ -	\$0	\$0	\$0	\$0	\$0	\$257,069
Lithgow	Reticulation	Water Mains	Wm201691		1950	\$ 20,068	\$ 21,060	\$ -	\$0	\$0	\$0	\$0	\$0	\$21,060
Lithgow	Reticulation	Water Mains	Wm201692		1950	\$ 350	\$ 367	\$ -	\$0	\$0	\$0	\$0	\$0	\$367
Lithgow	Reticulation	Water Mains	Wm201693		1950	\$ 18,313	\$ 18,716	\$ -	\$0	\$0	\$0	\$0	\$0	\$18,716
Lithgow	Reticulation	Water Mains	Wm201694		1950	\$ 7,004	\$ 7,158	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,158
Lithgow	Reticulation	Water Mains	Wm201695		1950	\$ 35	\$ 36	\$ -	\$0	\$0	\$0	\$0	\$0	\$36
Lithgow	Reticulation	Water Mains	Wm201697		1950	\$ 27,263	\$ 27,862	\$ -	\$0	\$0	\$0	\$0	\$0	\$27,862
Lithgow	Reticulation	Water Mains	Wm201698		1950	\$ 2,686	\$ 2,745	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,745
Lithgow	Reticulation	Water Mains	Wm201699		1950	\$ 4,538	\$ 4,638	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,638
Lithgow	Reticulation	Water Mains	Wm201700		1950	\$ 35,360	\$ 36,138	\$ -	\$0	\$0	\$0	\$0	\$0	\$36,138
Lithgow	Reticulation	Water Mains	Wm201701		1950	\$ 221	\$ 226	\$ -	\$0	\$0	\$0	\$0	\$0	\$226
Lithgow	Reticulation	Water Mains	Wm201702		1950	\$ 5	\$ 5	\$ -	\$0	\$0	\$0	\$0	\$0	\$5
Lithgow	Reticulation	Water Mains	Wm201703		1950	\$ 5,631	\$ 5,755	\$ -	\$0	\$0	\$0	\$0	\$0	\$5,755
Lithgow	Reticulation	Water Mains	Wm201704		1957	\$ 451,497	\$ 461,430	\$ -	\$0	\$0	\$0	\$0	\$0	\$461,430
Lithgow	Reticulation	Water Mains	Wm201705		1950	\$ 271,749	\$ 281,700	\$ -	\$0	\$0	\$0	\$0	\$0	\$281,700
Lithgow	Reticulation	Water Mains	Wm201706		1950	\$ 1,579	\$ 1,606	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,606
Lithgow	Reticulation	Water Mains	Wm201707		1950	\$ 1,304	\$ 1,333	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,333
Lithgow	Reticulation	Water Mains	Wm201708		1994	\$ 3,645	\$ 3,725	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,725
Lithgow	Reticulation	Water Mains	Wm201709		1950	\$ 688,042	\$ 701,135	\$ -	\$0	\$0	\$0	\$0	\$0	\$701,135
Lithgow	Reticulation	Water Mains	Wm201743		1950	\$ 27,777	\$ 28,388	\$ -	\$0	\$0	\$0	\$0	\$0	\$28,388
Lithgow	Reticulation	Water Mains	Wm201744		1950	\$ 36,016	\$ 36,808	\$ -	\$0	\$0	\$0	\$0	\$0	\$36,808
Lithgow	Reticulation	Water Mains	Wm201745		1950	\$ 17,876	\$ 18,269	\$ -	\$0	\$0	\$0	\$0	\$0	\$18,269
Lithgow	Reticulation	Water Mains	Wm201746		1994	\$ 556	\$ 567	\$ -	\$0	\$0	\$0	\$0	\$0	\$567
Lithgow	Reticulation	Water Mains	Wm201747		1994	\$ 8,108	\$ 8,286	\$ -	\$0	\$0	\$0	\$0	\$0	\$8,286
Lithgow	Reticulation	Water Mains	Wm201748		1988	\$ 9,125	\$ 9,325	\$ -	\$0	\$0	\$0	\$0	\$0	\$9,325
Lithgow	Reticulation	Water Mains	Wm201749		1988	\$ 7,518	\$ 7,683	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,683
Lithgow	Reticulation	Water Mains	Wm201750		1950	\$ 7,293	\$ 7,453	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,453
Lithgow	Reticulation	Water Mains	Wm201751		1950	\$ 178,022	\$ 181,938	\$ -	\$0	\$0	\$0	\$0	\$0	\$181,938
Lithgow	Reticulation	Water Mains	Wm201752		1950	\$ 51,718	\$ 52,865	\$ -	\$0	\$0	\$0	\$0	\$0	\$52,865
Lithgow	Reticulation	Water Mains	Wm201753		2004	\$ 1,844	\$ 1,895	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,895
Lithgow	Reticulation	Water Mains	Wm201754		2004	\$ 43,276	\$ 44,228	\$ -	\$0	\$0	\$0	\$0	\$0	\$44,228
Lithgow	Reticulation	Water Mains	Wm201755		1960	\$ 4,644	\$ 4,748	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,748
Lithgow	Reticulation	Water Mains	Wm201756		1950	\$ 13,037	\$ 13,324	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,324
Lithgow	Reticulation	Water Mains	Wm201757		1950	\$ 9,019	\$ 9,217	\$ -	\$0	\$0	\$0	\$0	\$0	\$9,217
Lithgow	Reticulation	Water Mains	Wm201758		1950	\$ 82,437	\$ 84,250	\$ -	\$0	\$0	\$0	\$0	\$0	\$84,250
Lithgow	Reticulation	Water Mains	Wm201759		1950	\$ 9,618	\$ 9,830	\$ -	\$0	\$0	\$0	\$0	\$0	\$9,830
Lithgow	Reticulation	Water Mains	Wm201760		1950	\$ 90	\$ 92	\$ -	\$0	\$0	\$0	\$0	\$0	\$92
Lithgow	Reticulation	Water Mains	Wm201761		1950	\$ 88,816	\$ 90,770	\$ -	\$0	\$0	\$0	\$0	\$0	\$90,770
Lithgow	Reticulation	Water Mains	Wm201762		1950	\$ 36,738	\$ 37,547	\$ -	\$0	\$0	\$0	\$0	\$0	\$37,547
Lithgow	Reticulation	Water Mains	Wm201763		1979	\$ 2,038	\$ 2,083	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,083
Lithgow	Reticulation	Water Mains	Wm201764		1979	\$ 30,988	\$ 31,578	\$ -	\$0	\$0	\$0	\$0	\$0	\$31,578
Lithgow	Reticulation	Water Mains	Wm201765		1950	\$ 6,426	\$ 6,594	\$ -	\$0	\$0	\$0	\$0	\$0	\$6,594
Lithgow	Reticulation	Water Mains	Wm201766		1950	\$ 1,594	\$ 1,634	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,634
Lithgow	Reticulation	Water Mains	Wm201767		1950	\$ 1,754	\$ 1,793	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,793
Lithgow	Reticulation	Water Mains	Wm201768		1960	\$ 66	\$ 67	\$ -	\$0	\$0	\$0	\$0	\$0	\$67
Lithgow	Reticulation	Water Mains	Wm201769		1950	\$ 4,807	\$ 4,912	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,912
Lithgow	Reticulation	Water Mains	Wm201770		1950	\$ 6,555	\$ 6,699	\$ -	\$0	\$0	\$0	\$0	\$0	\$6,699
Lithgow	Reticulation	Water Mains	Wm201771		1950	\$ 28,626	\$ 29,255	\$ -	\$0	\$0	\$0	\$0	\$0	\$29,255
Lithgow	Reticulation	Water Mains	Wm201772		1950	\$ 19,877	\$ 20,314	\$ -	\$0	\$0	\$0	\$0	\$0	\$20,314
Lithgow	Reticulation	Water Mains	Wm201773		1950	\$ 537,799	\$ 549,630	\$ -	\$0	\$0	\$0	\$0	\$0	\$549,630
Lithgow	Reticulation	Water Mains	Wm201774		1950	\$ 946,952	\$ 967,785	\$ -	\$0	\$0	\$0	\$0	\$0	\$967,785
Lithgow	Reticulation	Water Mains	Wm201775		1950	\$ 26,975	\$ 27,569	\$ -	\$0	\$0	\$0	\$0	\$0	\$27,569
Lithgow	Reticulation	Water Mains	Wm201776		1950	\$ 48,448	\$ 49,514	\$ -	\$0	\$0	\$0	\$0	\$0	\$49,514
Lithgow	Reticulation	Water Mains	Wm201777		1950	\$ 11,953	\$ 12,113	\$ -	\$0	\$0	\$0	\$0	\$0	\$12,113
Lithgow	Reticulation	Water Mains	Wm201778		1950	\$ 582	\$ 595	\$ -	\$0	\$0	\$0	\$0	\$0	\$595
Lithgow	Reticulation	Water Mains	Wm201779		1979	\$ 2,313	\$ 2,364	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,364
Lithgow	Reticulation	Water Mains	Wm201780		1979	\$ 2,413	\$ 2,464	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,464
Lithgow	Reticulation	Water Mains	Wm201781		1979	\$ 36,762	\$ 37,571	\$ -	\$0	\$0	\$0	\$0	\$0	\$37,571
Lithgow	Reticulation	Water Mains	Wm201782		1979	\$ 60	\$ 61	\$ -	\$0	\$0	\$0	\$0	\$0	\$61
Lithgow	Reticulation	Water Mains	Wm201809		1950	\$ 15,500	\$ 15,841	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,841
Lithgow	Reticulation	Water Mains	Wm201810		1950	\$ 287	\$ 293	\$ -	\$0	\$0	\$0	\$0	\$0	\$293
Lithgow	Reticulation	Water Mains	Wm201811		1950	\$ 255,773	\$ 261,400	\$ -	\$0	\$0	\$0	\$0	\$0	\$261,400
Lithgow	Reticulation	Water Mains	Wm201812		1950	\$ 11,479	\$ 11,732	\$ -	\$0	\$0	\$0	\$0	\$0	\$11,732
Lithgow	Reticulation	Water Mains	Wm201813		1950	\$ 13,781	\$ 14,084	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,084
Lithgow	Reticulation	Water Mains	Wm201814		1950	\$ 8,203	\$ 8,384	\$ -	\$0	\$0	\$0	\$0	\$0	\$8,384
Lithgow	Reticulation	Water Mains	Wm201815		2010	\$ 62,958	\$ 64,241	\$ -	\$0	\$0	\$0	\$0	\$0	\$64,241
Lithgow	Reticulation	Water Mains	Wm201816		2010	\$ 600	\$ 613	\$ -	\$0	\$0	\$0	\$0	\$0	\$613
Lithgow	Reticulation	Water Mains	Wm201817		1950	\$ 718	\$ 734	\$ -	\$0	\$0	\$0	\$0	\$0	\$734
Lithgow	Reticulation	Water Mains	Wm201818		1950	\$ 1,421	\$ 1,452	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,452
Lithgow	Monitoring	Water Mains	Wm201819		2010	\$ 6,970	\$ 6,715	6,715	\$6,715	\$0	\$0	\$0	\$6,715	\$0
Shared	Monitoring	Water Mains	Wm201820		1997	\$ 6,570	\$ 6,715	6,715	\$6,715	\$0	\$0	\$0	\$6,715	\$0
Lithgow	Property Service	Water Mains	Wm500005		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500006		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500007		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500008		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500009		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500010		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500011		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500012		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500013		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500014		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500015		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500016		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500017		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500018		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500019		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500020		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500021		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500022		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500023		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500024		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500025		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500026		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500027		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500028		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500029		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500030		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500031		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500032		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500033		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500034		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500035		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500036		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm500037		1950	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	Wm5000											

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Lithgow	Property Service	Water Mains	W5300195		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300196		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300197		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300198		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300199		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300200		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300201		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300202		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300203		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300204		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300205		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300206		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300207		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300208		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300209		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300210		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300211		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300212		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300213		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300214		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300215		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300216		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300217		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300218		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300219		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300220		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300221		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300222		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300223		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300224		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300225		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300226		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300227		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300228		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300229		1994	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300230		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300231		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300232		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300233		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300234		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300235		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300236		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300237		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300238		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300239		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300240		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300241		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300242		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300243		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300244		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300245		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300246		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300247		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300248		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300249		2007	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300251		1950	\$	\$	-	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Property Service	Water Mains	W5300252		1950	\$	6,570	\$	6,715	\$0	\$0	\$0	\$0	\$0
Portland	Water Reservoirs - Concrete	Water Reservoirs	Portland HI (Right) Reservoir		1988	\$	83,430	\$	85,265	\$0	\$0	\$0	\$0	\$0
Portland	Water Reservoirs - Concrete	Water Reservoirs	Portland HI (Right) Reservoir		1988	\$	472,770	\$	483,171	\$0	\$0	\$0	\$0	\$0
Portland	Monitoring	Water Reservoirs	Portland HI (Right) Reservoir		1987	\$	6,570	\$	6,715	\$0	\$0	\$0	\$0	\$0
Portland	Water Reservoirs - Concrete	Water Reservoirs	Portland LL (Purcell) Reservoir		1953	\$	90,537	\$	92,529	\$0	\$0	\$0	\$0	\$0
Portland	Water Reservoirs - Concrete	Water Reservoirs	Portland LL (Purcell) Reservoir		1953	\$	513,043	\$	524,330	\$0	\$0	\$0	\$0	\$0
Portland	Monitoring	Water Reservoirs	Portland LL (Purcell) Reservoir		1997	\$	6,570	\$	6,715	\$0	\$0	\$0	\$0	\$0
Portland	Water Reservoirs - Concrete	Water Mains	Wm200982		1950	\$	11,436	\$	11,687	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200983		1950	\$	2,902	\$	2,966	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200984		1950	\$	20,981	\$	21,341	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200985		1950	\$	537	\$	549	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200986		1950	\$	7,222	\$	7,381	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200987		1950	\$	17,120	\$	17,497	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200988		1950	\$	9,471	\$	9,671	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200989		1950	\$	1,848	\$	1,827	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200990		1950	\$	2,876	\$	2,930	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200991		1950	\$	11,967	\$	12,230	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200992		1950	\$	22,965	\$	23,470	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200993		1950	\$	3,978	\$	4,066	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200994		1950	\$	1,447	\$	1,478	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200995		1950	\$	23,433	\$	23,949	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200996		1950	\$	516	\$	527	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200997		1950	\$	26,802	\$	27,392	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200998		1950	\$	9,219	\$	9,422	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm200999		1950	\$	408	\$	417	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm201000		1950	\$	590	\$	572	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm201001		1950	\$	7,797	\$	7,968	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm201002		1950	\$	54,491	\$	56,243	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm201003		1950	\$	5,366	\$	5,493	\$0	\$0	\$0	\$0	\$0
Portland	Reticulation	Water Mains	Wm201004		1950	\$	28,379	\$	29,003	\$0	\$0	\$0	\$0	\$0

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Portland	Reticulation	Water Mains	Wm201006		1950	\$ 11,047 \$	\$ 11,290 \$	-	\$0	\$0	\$0	\$0	\$0	\$11,290
Portland	Reticulation	Water Mains	Wm201007		1950	\$ 14,438 \$	\$ 14,740 \$	-	\$0	\$0	\$0	\$0	\$0	\$14,740
Portland	Reticulation	Water Mains	Wm201008		1950	\$ 13,119 \$	\$ 13,419 \$	-	\$0	\$0	\$0	\$0	\$0	\$13,419
Portland	Reticulation	Water Mains	Wm201009		1950	\$ 2,764 \$	\$ 2,825 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,825
Portland	Reticulation	Water Mains	Wm201010		1950	\$ 24,420 \$	\$ 24,957 \$	-	\$0	\$0	\$0	\$0	\$0	\$24,957
Portland	Reticulation	Water Mains	Wm201011		1950	\$ 422 \$	\$ 431 \$	-	\$0	\$0	\$0	\$0	\$0	\$431
Portland	Reticulation	Water Mains	Wm201012		1950	\$ 10,046 \$	\$ 10,267 \$	-	\$0	\$0	\$0	\$0	\$0	\$10,267
Portland	Reticulation	Water Mains	Wm201013		1950	\$ 2,679 \$	\$ 2,736 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,736
Portland	Reticulation	Water Mains	Wm201014		1950	\$ 9,983 \$	\$ 10,203 \$	-	\$0	\$0	\$0	\$0	\$0	\$10,203
Portland	Reticulation	Water Mains	Wm201015		1950	\$ 6,549 \$	\$ 6,693 \$	-	\$0	\$0	\$0	\$0	\$0	\$6,693
Portland	Reticulation	Water Mains	Wm201016		1950	\$ 25,451 \$	\$ 26,011 \$	-	\$0	\$0	\$0	\$0	\$0	\$26,011
Portland	Reticulation	Water Mains	Wm201017		1950	\$ 3,019 \$	\$ 3,085 \$	-	\$0	\$0	\$0	\$0	\$0	\$3,085
Portland	Reticulation	Water Mains	Wm201018		1950	\$ 5,507 \$	\$ 5,628 \$	-	\$0	\$0	\$0	\$0	\$0	\$5,628
Portland	Reticulation	Water Mains	Wm201019		1950	\$ 2,106 \$	\$ 2,152 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,152
Portland	Reticulation	Water Mains	Wm201020		1950	\$ 27,719 \$	\$ 28,329 \$	-	\$0	\$0	\$0	\$0	\$0	\$28,329
Portland	Reticulation	Water Mains	Wm201021		1950	\$ 24,420 \$	\$ 24,957 \$	-	\$0	\$0	\$0	\$0	\$0	\$24,957
Portland	Reticulation	Water Mains	Wm201022		1950	\$ 28,410 \$	\$ 29,035 \$	-	\$0	\$0	\$0	\$0	\$0	\$29,035
Portland	Reticulation	Water Mains	Wm201023		1950	\$ 2,188 \$	\$ 2,237 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,237
Portland	Reticulation	Water Mains	Wm201024		1950	\$ 665 \$	\$ 669 \$	-	\$0	\$0	\$0	\$0	\$0	\$669
Portland	Reticulation	Water Mains	Wm201025		1950	\$ 24,525 \$	\$ 25,064 \$	-	\$0	\$0	\$0	\$0	\$0	\$25,064
Portland	Reticulation	Water Mains	Wm201026		1950	\$ 725 \$	\$ 741 \$	-	\$0	\$0	\$0	\$0	\$0	\$741
Portland	Reticulation	Water Mains	Wm201027		1950	\$ 24,158 \$	\$ 24,689 \$	-	\$0	\$0	\$0	\$0	\$0	\$24,689
Portland	Reticulation	Water Mains	Wm201028		1950	\$ 447 \$	\$ 457 \$	-	\$0	\$0	\$0	\$0	\$0	\$457
Portland	Reticulation	Water Mains	Wm201029		1950	\$ 37,035 \$	\$ 37,849 \$	-	\$0	\$0	\$0	\$0	\$0	\$37,849
Portland	Reticulation	Water Mains	Wm201030		1950	\$ 620 \$	\$ 634 \$	-	\$0	\$0	\$0	\$0	\$0	\$634
Portland	Reticulation	Water Mains	Wm201031		1950	\$ 794 \$	\$ 812 \$	-	\$0	\$0	\$0	\$0	\$0	\$812
Portland	Reticulation	Water Mains	Wm201032		1950	\$ 711 \$	\$ 726 \$	-	\$0	\$0	\$0	\$0	\$0	\$726
Portland	Reticulation	Water Mains	Wm201033		1950	\$ 17,075 \$	\$ 17,499 \$	-	\$0	\$0	\$0	\$0	\$0	\$17,499
Portland	Reticulation	Water Mains	Wm201034		1950	\$ 17,163 \$	\$ 17,558 \$	-	\$0	\$0	\$0	\$0	\$0	\$17,558
Portland	Reticulation	Water Mains	Wm201035		1950	\$ 17,065 \$	\$ 17,430 \$	-	\$0	\$0	\$0	\$0	\$0	\$17,430
Portland	Reticulation	Water Mains	Wm201036		1950	\$ 2,114 \$	\$ 2,160 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,160
Portland	Reticulation	Water Mains	Wm201037		1950	\$ 520 \$	\$ 531 \$	-	\$0	\$0	\$0	\$0	\$0	\$531
Portland	Reticulation	Water Mains	Wm201038		1950	\$ 10,188 \$	\$ 10,412 \$	-	\$0	\$0	\$0	\$0	\$0	\$10,412
Portland	Reticulation	Water Mains	Wm201039		1950	\$ 9,401 \$	\$ 9,608 \$	-	\$0	\$0	\$0	\$0	\$0	\$9,608
Portland	Reticulation	Water Mains	Wm201040		1950	\$ 694 \$	\$ 709 \$	-	\$0	\$0	\$0	\$0	\$0	\$709
Portland	Reticulation	Water Mains	Wm201041		1950	\$ 79,808 \$	\$ 81,564 \$	-	\$0	\$0	\$0	\$0	\$0	\$81,564
Portland	Reticulation	Water Mains	Wm201042		1950	\$ 30,916 \$	\$ 31,596 \$	-	\$0	\$0	\$0	\$0	\$0	\$31,596
Portland	Reticulation	Water Mains	Wm201043		1950	\$ 24,691 \$	\$ 25,439 \$	-	\$0	\$0	\$0	\$0	\$0	\$25,439
Portland	Reticulation	Water Mains	Wm201044		1950	\$ 3,202 \$	\$ 3,273 \$	-	\$0	\$0	\$0	\$0	\$0	\$3,273
Portland	Reticulation	Water Mains	Wm201045		1950	\$ 15,768 \$	\$ 16,115 \$	-	\$0	\$0	\$0	\$0	\$0	\$16,115
Portland	Reticulation	Water Mains	Wm201047		1950	\$ 7,495 \$	\$ 7,655 \$	-	\$0	\$0	\$0	\$0	\$0	\$7,655
Portland	Reticulation	Water Mains	Wm201048		1950	\$ 11,616 \$	\$ 11,871 \$	-	\$0	\$0	\$0	\$0	\$0	\$11,871
Portland	Reticulation	Water Mains	Wm201049		1950	\$ 968 \$	\$ 979 \$	-	\$0	\$0	\$0	\$0	\$0	\$979
Portland	Reticulation	Water Mains	Wm201051		1950	\$ 1,917 \$	\$ 1,960 \$	-	\$0	\$0	\$0	\$0	\$0	\$1,960
Portland	Reticulation	Water Mains	Wm201052		1950	\$ 1,149 \$	\$ 1,175 \$	-	\$0	\$0	\$0	\$0	\$0	\$1,175
Portland	Reticulation	Water Mains	Wm201053		1950	\$ 39,119 \$	\$ 39,980 \$	-	\$0	\$0	\$0	\$0	\$0	\$39,980
Portland	Reticulation	Water Mains	Wm201054		1950	\$ 71,922 \$	\$ 73,504 \$	-	\$0	\$0	\$0	\$0	\$0	\$73,504
Portland	Reticulation	Water Mains	Wm201055		1950	\$ 21,221 \$	\$ 21,688 \$	-	\$0	\$0	\$0	\$0	\$0	\$21,688
Portland	Reticulation	Water Mains	Wm201056		1950	\$ 2,184 \$	\$ 2,233 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,233
Portland	Reticulation	Water Mains	Wm201057		1950	\$ 11,639 \$	\$ 11,895 \$	-	\$0	\$0	\$0	\$0	\$0	\$11,895
Portland	Reticulation	Water Mains	Wm201058		1950	\$ 11,251 \$	\$ 11,498 \$	-	\$0	\$0	\$0	\$0	\$0	\$11,498
Portland	Reticulation	Water Mains	Wm201059		1950	\$ 15,018 \$	\$ 15,348 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,348
Portland	Reticulation	Water Mains	Wm201060		1950	\$ 4,792 \$	\$ 4,897 \$	-	\$0	\$0	\$0	\$0	\$0	\$4,897
Portland	Reticulation	Water Mains	Wm201061		1950	\$ 2,423 \$	\$ 2,463 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,463
Portland	Reticulation	Water Mains	Wm201062		1950	\$ 1,439 \$	\$ 1,464 \$	-	\$0	\$0	\$0	\$0	\$0	\$1,464
Portland	Reticulation	Water Mains	Wm201063		1950	\$ 11,159 \$	\$ 11,401 \$	-	\$0	\$0	\$0	\$0	\$0	\$11,401
Portland	Reticulation	Water Mains	Wm201064		1950	\$ 15,061 \$	\$ 15,392 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,392
Portland	Reticulation	Water Mains	Wm201065		1950	\$ 19,973 \$	\$ 20,413 \$	-	\$0	\$0	\$0	\$0	\$0	\$20,413
Portland	Reticulation	Water Mains	Wm201066		1950	\$ 1,413 \$	\$ 1,444 \$	-	\$0	\$0	\$0	\$0	\$0	\$1,444
Portland	Reticulation	Water Mains	Wm201067		1950	\$ 28,070 \$	\$ 28,688 \$	-	\$0	\$0	\$0	\$0	\$0	\$28,688
Portland	Reticulation	Water Mains	Wm201068		1950	\$ 824 \$	\$ 842 \$	-	\$0	\$0	\$0	\$0	\$0	\$842
Portland	Reticulation	Water Mains	Wm201069		1950	\$ 453 \$	\$ 463 \$	-	\$0	\$0	\$0	\$0	\$0	\$463
Portland	Reticulation	Water Mains	Wm201070		1950	\$ 2,942 \$	\$ 3,007 \$	-	\$0	\$0	\$0	\$0	\$0	\$3,007
Portland	Reticulation	Water Mains	Wm201071		1950	\$ 8,119 \$	\$ 8,297 \$	-	\$0	\$0	\$0	\$0	\$0	\$8,297
Portland	Reticulation	Water Mains	Wm201072		1950	\$ 2,956 \$	\$ 3,021 \$	-	\$0	\$0	\$0	\$0	\$0	\$3,021
Portland	Reticulation	Water Mains	Wm201073		1950	\$ 17,370 \$	\$ 17,752 \$	-	\$0	\$0	\$0	\$0	\$0	\$17,752
Portland	Reticulation	Water Mains	Wm201074		1950	\$ 15,199 \$	\$ 15,533 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,533
Portland	Reticulation	Water Mains	Wm201075		1950	\$ 15,048 \$	\$ 15,383 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,383
Portland	Reticulation	Water Mains	Wm201076		1950	\$ 5,446 \$	\$ 5,544 \$	-	\$0	\$0	\$0	\$0	\$0	\$5,544
Portland	Reticulation	Water Mains	Wm201077		1950	\$ 21,148 \$	\$ 21,613 \$	-	\$0	\$0	\$0	\$0	\$0	\$21,613
Portland	Reticulation	Water Mains	Wm201078		1950	\$ 677 \$	\$ 692 \$	-	\$0	\$0	\$0	\$0	\$0	\$692
Portland	Reticulation	Water Mains	Wm201079		1950	\$ 13,028 \$	\$ 13,315 \$	-	\$0	\$0	\$0	\$0	\$0	\$13,315
Portland	Reticulation	Water Mains	Wm201080		1950	\$ 2,179 \$	\$ 2,226 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,226
Portland	Reticulation	Water Mains	Wm201081		1950	\$ 4,843 \$	\$ 4,949 \$	-	\$0	\$0	\$0	\$0	\$0	\$4,949
Portland	Reticulation	Water Mains	Wm201082		1950	\$ 61,386 \$	\$ 62,737 \$	-	\$0	\$0	\$0	\$0	\$0	\$62,737
Portland	Reticulation	Water Mains	Wm201083		1950	\$ 12,546 \$	\$ 12,822 \$	-	\$0	\$0	\$0	\$0	\$0	\$12,822
Portland	Reticulation	Water Mains	Wm201084		1950	\$ 53,221 \$	\$ 54,392 \$	-	\$0	\$0	\$0	\$0	\$0	\$54,392
Portland	Reticulation	Water Mains	Wm201085		1950	\$ 15,559 \$	\$ 15,902 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,902
Portland	Reticulation	Water Mains	Wm201086		1950	\$ 849 \$	\$ 867 \$	-	\$0	\$0	\$0	\$0	\$0	\$867
Portland	Reticulation	Water Mains	Wm201087		1950	\$ 15,934 \$	\$ 16,193 \$	-	\$0	\$0	\$0	\$0	\$0	\$16,193
Portland	Reticulation	Water Mains	Wm201088		1950	\$ 18,019 \$	\$ 18,029 \$	-	\$0	\$0	\$0	\$0	\$0	\$18,029
Portland	Reticulation	Water Mains	Wm201089		1950	\$ 28,044 \$	\$ 28,418 \$	-	\$0	\$0	\$0	\$0	\$0	\$28,418
Portland	Reticulation	Water Mains	Wm201091		1950	\$ 12,733 \$	\$ 13,013 \$	-	\$0	\$0	\$0	\$0	\$0	\$13,013

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Portland	Reticulation	Water Mains	Wm201092		1950	\$ 34,251	\$ 35,004	\$ -	\$0	\$0	\$0	\$0	\$0	\$35,004
Portland	Reticulation	Water Mains	Wm201093		1950	\$ 57,430	\$ 58,809	\$ -	\$0	\$0	\$0	\$0	\$0	\$58,809
Portland	Reticulation	Water Mains	Wm201094		1950	\$ 13,939	\$ 14,297	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,297
Portland	Reticulation	Water Mains	Wm201095		1950	\$ 2,472	\$ 2,527	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,527
Portland	Reticulation	Water Mains	Wm201096		1950	\$ 21,023	\$ 22,069	\$ -	\$0	\$0	\$0	\$0	\$0	\$22,069
Portland	Reticulation	Water Mains	Wm201097		1950	\$ 17,925	\$ 18,319	\$ -	\$0	\$0	\$0	\$0	\$0	\$18,319
Portland	Reticulation	Water Mains	Wm201098		1950	\$ 19,159	\$ 19,591	\$ -	\$0	\$0	\$0	\$0	\$0	\$19,591
Portland	Reticulation	Water Mains	Wm201099		1950	\$ 7,954	\$ 7,751	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,751
Portland	Reticulation	Water Mains	Wm201100		1950	\$ 47,260	\$ 48,300	\$ -	\$0	\$0	\$0	\$0	\$0	\$48,300
Portland	Reticulation	Water Mains	Wm201101		1950	\$ 13,198	\$ 13,489	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,489
Portland	Reticulation	Water Mains	Wm201102		1950	\$ 2,303	\$ 2,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,354
Portland	Reticulation	Water Mains	Wm201103		1950	\$ 2,169	\$ 2,217	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,217
Portland	Reticulation	Water Mains	Wm201104		1950	\$ 10,734	\$ 10,970	\$ -	\$0	\$0	\$0	\$0	\$0	\$10,970
Portland	Reticulation	Water Mains	Wm201105		1950	\$ 29,632	\$ 30,489	\$ -	\$0	\$0	\$0	\$0	\$0	\$30,489
Portland	Reticulation	Water Mains	Wm201106		1950	\$ 7,925	\$ 8,100	\$ -	\$0	\$0	\$0	\$0	\$0	\$8,100
Portland	Reticulation	Water Mains	Wm201107		1950	\$ 23,594	\$ 24,300	\$ -	\$0	\$0	\$0	\$0	\$0	\$24,300
Portland	Reticulation	Water Mains	Wm201108		1950	\$ 31,694	\$ 32,300	\$ -	\$0	\$0	\$0	\$0	\$0	\$32,300
Portland	Reticulation	Water Mains	Wm201109		1950	\$ 10,207	\$ 10,431	\$ -	\$0	\$0	\$0	\$0	\$0	\$10,431
Portland	Reticulation	Water Mains	Wm201110		1950	\$ 10,508	\$ 10,739	\$ -	\$0	\$0	\$0	\$0	\$0	\$10,739
Portland	Reticulation	Water Mains	Wm201111		1950	\$ 7,255	\$ 7,415	\$ -	\$0	\$0	\$0	\$0	\$0	\$7,415
Portland	Reticulation	Water Mains	Wm201112		1950	\$ 22,895	\$ 23,399	\$ -	\$0	\$0	\$0	\$0	\$0	\$23,399
Portland	Reticulation	Water Mains	Wm201113		1950	\$ 13,928	\$ 14,235	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,235
Portland	Reticulation	Water Mains	Wm201114		1950	\$ 37,688	\$ 38,517	\$ -	\$0	\$0	\$0	\$0	\$0	\$38,517
Portland	Reticulation	Water Mains	Wm201115		1950	\$ 8,818	\$ 9,012	\$ -	\$0	\$0	\$0	\$0	\$0	\$9,012
Portland	Reticulation	Water Mains	Wm201116		1950	\$ 922	\$ 942	\$ -	\$0	\$0	\$0	\$0	\$0	\$942
Portland	Reticulation	Water Mains	Wm201117		1950	\$ 12,934	\$ 13,219	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,219
Portland	Reticulation	Water Mains	Wm201118		1950	\$ 524	\$ 536	\$ -	\$0	\$0	\$0	\$0	\$0	\$536
Portland	Reticulation	Water Mains	Wm201119		1950	\$ 11,477	\$ 11,730	\$ -	\$0	\$0	\$0	\$0	\$0	\$11,730
Portland	Reticulation	Water Mains	Wm201120		1950	\$ 573	\$ 586	\$ -	\$0	\$0	\$0	\$0	\$0	\$586
Portland	Reticulation	Water Mains	Wm201121		1950	\$ 13,560	\$ 13,868	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,868
Portland	Reticulation	Water Mains	Wm201122		1950	\$ 4,560	\$ 4,615	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,615
Portland	Reticulation	Water Mains	Wm201123		1950	\$ 40,250	\$ 41,136	\$ -	\$0	\$0	\$0	\$0	\$0	\$41,136
Portland	Reticulation	Water Mains	Wm201124		1950	\$ 409	\$ 418	\$ -	\$0	\$0	\$0	\$0	\$0	\$418
Portland	Reticulation	Water Mains	Wm201125		1950	\$ 114,516	\$ 117,036	\$ -	\$0	\$0	\$0	\$0	\$0	\$117,036
Portland	Reticulation	Water Mains	Wm201126		1950	\$ 87,063	\$ 88,979	\$ -	\$0	\$0	\$0	\$0	\$0	\$88,979
Portland	Reticulation	Water Mains	Wm201127		1950	\$ 64,618	\$ 66,039	\$ -	\$0	\$0	\$0	\$0	\$0	\$66,039
Portland	Reticulation	Water Mains	Wm201128		1950	\$ 14,941	\$ 15,270	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,270
Portland	Reticulation	Water Mains	Wm201129		1950	\$ 11,320	\$ 11,569	\$ -	\$0	\$0	\$0	\$0	\$0	\$11,569
Portland	Reticulation	Water Mains	Wm201130		1950	\$ 21,108	\$ 21,573	\$ -	\$0	\$0	\$0	\$0	\$0	\$21,573
Portland	Reticulation	Water Mains	Wm201131		1950	\$ 81,586	\$ 83,381	\$ -	\$0	\$0	\$0	\$0	\$0	\$83,381
Portland	Reticulation	Water Mains	Wm201132		1950	\$ 117,404	\$ 119,987	\$ -	\$0	\$0	\$0	\$0	\$0	\$119,987
Portland	Reticulation	Water Mains	Wm201430		1950	\$ 945	\$ 966	\$ -	\$0	\$0	\$0	\$0	\$0	\$966
Portland	Reticulation	Water Mains	Wm201431		1950	\$ 706	\$ 722	\$ -	\$0	\$0	\$0	\$0	\$0	\$722
Portland	Reticulation	Water Mains	Wm201432		1950	\$ 32,659	\$ 33,559	\$ -	\$0	\$0	\$0	\$0	\$0	\$33,559
Portland	Reticulation	Water Mains	Wm201433		1950	\$ 674	\$ 674	\$ -	\$0	\$0	\$0	\$0	\$0	\$674
Portland	Reticulation	Water Mains	Wm201455		1950	\$ 227	\$ 232	\$ -	\$0	\$0	\$0	\$0	\$0	\$232
Portland	Reticulation	Water Mains	Wm201456		1950	\$ 8,902	\$ 9,088	\$ -	\$0	\$0	\$0	\$0	\$0	\$9,088
Portland	Reticulation	Water Mains	Wm201457		1950	\$ 25,872	\$ 26,237	\$ -	\$0	\$0	\$0	\$0	\$0	\$26,237
Portland	Reticulation	Water Mains	Wm201458		1950	\$ 10,477	\$ 10,708	\$ -	\$0	\$0	\$0	\$0	\$0	\$10,708
Portland	Reticulation	Water Mains	Wm201459		1950	\$ 112	\$ 115	\$ -	\$0	\$0	\$0	\$0	\$0	\$115
Portland	Reticulation	Water Mains	Wm201460		1950	\$ 10,924	\$ 11,164	\$ -	\$0	\$0	\$0	\$0	\$0	\$11,164
Portland	Reticulation	Water Mains	Wm201807		1950	\$ 14,337	\$ 14,652	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,652
Portland	Reticulation	Water Mains	Wm201808		1950	\$ 1,443	\$ 1,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,475
Portland	Reticulation	Water Mains	Wm201133		1950	\$ 68,751	\$ 70,264	\$ -	\$0	\$0	\$0	\$0	\$0	\$70,264
Portland	Reticulation	Water Mains	Wm201134		1950	\$ 24,033	\$ 24,562	\$ -	\$0	\$0	\$0	\$0	\$0	\$24,562
Portland	Reticulation	Water Mains	Wm201135		1950	\$ 32,583	\$ 33,299	\$ -	\$0	\$0	\$0	\$0	\$0	\$33,299
Portland	Reticulation	Water Mains	Wm201711		1950	\$ 15,890	\$ 16,253	\$ -	\$0	\$0	\$0	\$0	\$0	\$16,253
Portland	Reticulation	Water Mains	Wm201712		1950	\$ 13,498	\$ 13,868	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,868
Portland	Reticulation	Water Mains	Wm201713		1950	\$ 20,498	\$ 20,946	\$ -	\$0	\$0	\$0	\$0	\$0	\$20,946
Portland	Reticulation	Water Mains	Wm201714		1950	\$ 16,148	\$ 16,503	\$ -	\$0	\$0	\$0	\$0	\$0	\$16,503
Portland	Reticulation	Water Mains	Wm201715		1950	\$ 19,074	\$ 19,493	\$ -	\$0	\$0	\$0	\$0	\$0	\$19,493
Portland	Reticulation	Water Mains	Wm201716		1950	\$ 42,136	\$ 43,063	\$ -	\$0	\$0	\$0	\$0	\$0	\$43,063
Portland	Reticulation	Water Mains	Wm201717		1950	\$ 8,693	\$ 8,884	\$ -	\$0	\$0	\$0	\$0	\$0	\$8,884
Portland	Reticulation	Water Mains	Wm201718		1950	\$ 24,225	\$ 24,756	\$ -	\$0	\$0	\$0	\$0	\$0	\$24,756
Portland	Reticulation	Water Mains	Wm201719		1950	\$ 2,660	\$ 2,719	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,719
Portland	Reticulation	Water Mains	Wm201720		1950	\$ 15,466	\$ 15,806	\$ -	\$0	\$0	\$0	\$0	\$0	\$15,806
Portland	Reticulation	Water Mains	Wm201721		1950	\$ 2,170	\$ 2,218	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,218
Portland	Reticulation	Water Mains	Wm201722		1950	\$ 17,173	\$ 17,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$17,551
Portland	Reticulation	Water Mains	Wm201723		1950	\$ 113,390	\$ 115,843	\$ -	\$0	\$0	\$0	\$0	\$0	\$115,843
Portland	Reticulation	Water Mains	Wm201724		1950	\$ 4,754	\$ 4,858	\$ -	\$0	\$0	\$0	\$0	\$0	\$4,858
Portland	Reticulation	Water Mains	Wm201725		1950	\$ 3,497	\$ 3,616	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,616
Portland	Reticulation	Water Mains	Wm201726		1950	\$ 3,492	\$ 3,636	\$ -	\$0	\$0	\$0	\$0	\$0	\$3,636
Portland	Reticulation	Water Mains	Wm201727		1950	\$ 2,233	\$ 2,281	\$ -	\$0	\$0	\$0	\$0	\$0	\$2,281
Portland	Reticulation	Water Mains	Wm201728		1950	\$ 9,793	\$ 10,009	\$ -	\$0	\$0	\$0	\$0	\$0	\$10,009
Portland	Reticulation	Water Mains	Wm201729		1950	\$ 257	\$ 263	\$ -	\$0	\$0	\$0	\$0	\$0	\$263
Portland	Reticulation	Water Mains	Wm201730		1950	\$ 116	\$ 118	\$ -	\$0	\$0	\$0	\$0	\$0	\$118
Portland	Reticulation	Water Mains	Wm201731		1950	\$ 9,942	\$ 9,752	\$ -	\$0	\$0	\$0	\$0	\$0	\$9,752
Portland	Reticulation	Water Mains	Wm201732		1950	\$ 597	\$ 600	\$ -	\$0	\$0	\$0	\$0	\$0	\$600
Portland	Reticulation	Water Mains	Wm201733		1950	\$ 19,880	\$ 20,317	\$ -	\$0	\$0	\$0	\$0	\$0	\$20,317
Portland	Reticulation	Water Mains	Wm201734		1950	\$ 356	\$ 363	\$ -	\$0	\$0	\$0	\$0	\$0	\$363
Portland	Reticulation	Water Mains	Wm201735		1950	\$ 29,888	\$ 30,546	\$ -	\$0	\$0	\$0	\$0	\$0	\$30,546
Portland	Reticulation	Water Mains	Wm201736		1950	\$ 925	\$ 946	\$ -	\$0	\$0	\$0	\$0	\$0	\$946
Portland	Reticulation	Water Mains	Wm201737		1950	\$ 22,224	\$ 22,713	\$ -	\$0	\$0	\$0	\$0	\$0	\$22,713
Portland	Reticulation	Water Mains	Wm201738		1950	\$ 14,497	\$ 14,816	\$ -	\$0	\$0	\$0	\$0	\$0	\$14,816
Portland	Reticulation	Water Mains	Wm201739		1950	\$ 13,651	\$ 13,970	\$ -	\$0	\$0	\$0	\$0	\$0	\$13,970
Portland	Reticulation	Water Mains	Wm201740		1950	\$ 1,043	\$ 1,070	\$ -	\$0	\$0	\$0	\$0	\$0	\$1,070
Portland	Reticulation	Water Mains	Wm201741		1950	\$ 105,980	\$ 108,220	\$ -	\$0	\$0	\$0	\$0	\$0	\$108,220

Table 1: Lithgow City Council Existing Water Supply Assets

Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Wallerawang	Reticulation	Water Mains	Wm200714		1950	\$ 24,468	\$ 25,007	\$ -	\$0	\$0		\$0		\$25,007
Wallerawang	Reticulation	Water Mains	Wm200715		1950	\$ 22,590	\$ 23,483	\$ -	\$0	\$0		\$0		\$23,483
Wallerawang	Reticulation	Water Mains	Wm200716		1950	\$ 6,148	\$ 6,183	\$ -	\$0	\$0		\$0		\$6,183
Wallerawang	Reticulation	Water Mains	Wm200717		1950	\$ 2,188	\$ 2,234	\$ -	\$0	\$0		\$0		\$2,234
Wallerawang	Reticulation	Water Mains	Wm200718		1950	\$ 61	\$ 62	\$ -	\$0	\$0		\$0		\$62
Wallerawang	Reticulation	Water Mains	Wm200719		1950	\$ 4,798	\$ 4,904	\$ -	\$0	\$0		\$0		\$4,904
Wallerawang	Reticulation	Water Mains	Wm200720		1950	\$ 61,212	\$ 62,558	\$ -	\$0	\$0		\$0		\$62,558
Wallerawang	Reticulation	Water Mains	Wm200721		1950	\$ 134	\$ 136	\$ -	\$0	\$0		\$0		\$136
Wallerawang	Reticulation	Water Mains	Wm200722		1950	\$ 50,547	\$ 51,659	\$ -	\$0	\$0		\$0		\$51,659
Wallerawang	Reticulation	Water Mains	Wm200723		1950	\$ 75,742	\$ 77,408	\$ -	\$0	\$0		\$0		\$77,408
Wallerawang	Reticulation	Water Mains	Wm200724		1950	\$ 40,746	\$ 41,643	\$ -	\$0	\$0		\$0		\$41,643
Wallerawang	Reticulation	Water Mains	Wm200725		1950	\$ 32,090	\$ 32,796	\$ -	\$0	\$0		\$0		\$32,796
Wallerawang	Reticulation	Water Mains	Wm200726		1950	\$ 15,382	\$ 15,721	\$ -	\$0	\$0		\$0		\$15,721
Wallerawang	Reticulation	Water Mains	Wm200727		1950	\$ 110	\$ 113	\$ -	\$0	\$0		\$0		\$113
Wallerawang	Reticulation	Water Mains	Wm200728		1950	\$ 2,186	\$ 2,234	\$ -	\$0	\$0		\$0		\$2,234
Wallerawang	Reticulation	Water Mains	Wm200729		1950	\$ 31,193	\$ 31,666	\$ -	\$0	\$0		\$0		\$31,666
Wallerawang	Reticulation	Water Mains	Wm200730		1950	\$ 10	\$ 10	\$ -	\$0	\$0		\$0		\$10
Wallerawang	Reticulation	Water Mains	Wm200731		1950	\$ 74,085	\$ 75,715	\$ -	\$0	\$0		\$0		\$75,715
Wallerawang	Reticulation	Water Mains	Wm200732		1950	\$ 68,380	\$ 69,884	\$ -	\$0	\$0		\$0		\$69,884
Wallerawang	Reticulation	Water Mains	Wm200733		1950	\$ 107,600	\$ 109,988	\$ -	\$0	\$0		\$0		\$109,988
Wallerawang	Reticulation	Water Mains	Wm200734		1950	\$ 2,560	\$ 2,616	\$ -	\$0	\$0		\$0		\$2,616
Wallerawang	Reticulation	Water Mains	Wm200735		1950	\$ 15,918	\$ 16,269	\$ -	\$0	\$0		\$0		\$16,269
Wallerawang	Reticulation	Water Mains	Wm200736		1950	\$ 1,156	\$ 1,181	\$ -	\$0	\$0		\$0		\$1,181
Wallerawang	Reticulation	Water Mains	Wm200737		1950	\$ 49,681	\$ 50,774	\$ -	\$0	\$0		\$0		\$50,774
Wallerawang	Reticulation	Water Mains	Wm200738		1950	\$ 720	\$ 736	\$ -	\$0	\$0		\$0		\$736
Wallerawang	Reticulation	Water Mains	Wm200739		1950	\$ 17,958	\$ 18,353	\$ -	\$0	\$0		\$0		\$18,353
Wallerawang	Reticulation	Water Mains	Wm200740		1950	\$ 474	\$ 484	\$ -	\$0	\$0		\$0		\$484
Wallerawang	Reticulation	Water Mains	Wm200741		1950	\$ 315	\$ 322	\$ -	\$0	\$0		\$0		\$322
Wallerawang	Reticulation	Water Mains	Wm200744		1950	\$ 68,023	\$ 70,542	\$ -	\$0	\$0		\$0		\$70,542
Wallerawang	Reticulation	Water Mains	Wm200745		1950	\$ 103,141	\$ 105,714	\$ -	\$0	\$0		\$0		\$105,714
Wallerawang	Reticulation	Water Mains	Wm200750		1950	\$ 46	\$ 46	\$ -	\$0	\$0		\$0		\$46
Wallerawang	Reticulation	Water Mains	Wm200752		1950	\$ 122	\$ 124	\$ -	\$0	\$0		\$0		\$124
Wallerawang	Reticulation	Water Mains	Wm201169		1950	\$ 23,826	\$ 24,353	\$ -	\$0	\$0		\$0		\$24,353
Wallerawang	Reticulation	Water Mains	Wm201170		1950	\$ 29,126	\$ 29,766	\$ -	\$0	\$0		\$0		\$29,766
Wallerawang	Reticulation	Water Mains	Wm201171		1950	\$ 84,546	\$ 86,406	\$ -	\$0	\$0		\$0		\$86,406
Wallerawang	Reticulation	Water Mains	Wm201172		1950	\$ 20,954	\$ 21,006	\$ -	\$0	\$0		\$0		\$21,006
Wallerawang	Reticulation	Water Mains	Wm201173		1950	\$ 7,726	\$ 7,896	\$ -	\$0	\$0		\$0		\$7,896
Wallerawang	Reticulation	Water Mains	Wm201174		1950	\$ 1,532	\$ 1,566	\$ -	\$0	\$0		\$0		\$1,566
Wallerawang	Reticulation	Water Mains	Wm201175		1950	\$ 128,450	\$ 131,276	\$ -	\$0	\$0		\$0		\$131,276
Wallerawang	Reticulation	Water Mains	Wm201176		1950	\$ 66,926	\$ 68,399	\$ -	\$0	\$0		\$0		\$68,399
Wallerawang	Reticulation	Water Mains	Wm201177		1950	\$ 34,195	\$ 34,906	\$ -	\$0	\$0		\$0		\$34,906
Wallerawang	Reticulation	Water Mains	Wm201178		1950	\$ 7,363	\$ 7,525	\$ -	\$0	\$0		\$0		\$7,525
Wallerawang	Reticulation	Water Mains	Wm201179		1950	\$ 4,541	\$ 4,649	\$ -	\$0	\$0		\$0		\$4,649
Wallerawang	Reticulation	Water Mains	Wm201180		1950	\$ 10,559	\$ 10,693	\$ -	\$0	\$0		\$0		\$10,693
Wallerawang	Reticulation	Water Mains	Wm201181		1950	\$ 727	\$ 743	\$ -	\$0	\$0		\$0		\$743
Wallerawang	Reticulation	Water Mains	Wm201182		1950	\$ 20,536	\$ 20,987	\$ -	\$0	\$0		\$0		\$20,987
Wallerawang	Reticulation	Water Mains	Wm201183		1950	\$ 1,149	\$ 1,174	\$ -	\$0	\$0		\$0		\$1,174
Wallerawang	Reticulation	Water Mains	Wm201184		1950	\$ 285	\$ 291	\$ -	\$0	\$0		\$0		\$291
Wallerawang	Reticulation	Water Mains	Wm201185		1950	\$ 29,066	\$ 29,705	\$ -	\$0	\$0		\$0		\$29,705
Wallerawang	Reticulation	Water Mains	Wm201186		1950	\$ 121	\$ 124	\$ -	\$0	\$0		\$0		\$124
Wallerawang	Reticulation	Water Mains	Wm201187		1950	\$ 32,498	\$ 33,214	\$ -	\$0	\$0		\$0		\$33,214
Wallerawang	Reticulation	Water Mains	Wm201188		1950	\$ 28,586	\$ 29,215	\$ -	\$0	\$0		\$0		\$29,215
Wallerawang	Reticulation	Water Mains	Wm201189		1950	\$ 49,922	\$ 51,020	\$ -	\$0	\$0		\$0		\$51,020
Wallerawang	Reticulation	Water Mains	Wm201190		1950	\$ 2,226	\$ 2,275	\$ -	\$0	\$0		\$0		\$2,275
Wallerawang	Reticulation	Water Mains	Wm201191		1950	\$ 16,760	\$ 17,129	\$ -	\$0	\$0		\$0		\$17,129
Wallerawang	Reticulation	Water Mains	Wm201192		1950	\$ 35,029	\$ 35,800	\$ -	\$0	\$0		\$0		\$35,800
Wallerawang	Reticulation	Water Mains	Wm201193		1950	\$ 16,449	\$ 17,015	\$ -	\$0	\$0		\$0		\$17,015
Wallerawang	Reticulation	Water Mains	Wm201194		1950	\$ 15,627	\$ 16,449	\$ -	\$0	\$0		\$0		\$16,449
Wallerawang	Reticulation	Water Mains	Wm201195		1950	\$ 15,627	\$ 16,471	\$ -	\$0	\$0		\$0		\$16,471
Wallerawang	Reticulation	Water Mains	Wm201196		1950	\$ 7,017	\$ 7,171	\$ -	\$0	\$0		\$0		\$7,171
Wallerawang	Reticulation	Water Mains	Wm201197		1950	\$ 17	\$ 17	\$ -	\$0	\$0		\$0		\$17
Wallerawang	Reticulation	Water Mains	Wm201198		1950	\$ 25	\$ 25	\$ -	\$0	\$0		\$0		\$25
Wallerawang	Reticulation	Water Mains	Wm201199		1950	\$ 8,946	\$ 9,143	\$ -	\$0	\$0		\$0		\$9,143
Wallerawang	Reticulation	Water Mains	Wm201200		1950	\$ 45,112	\$ 46,104	\$ -	\$0	\$0		\$0		\$46,104
Wallerawang	Reticulation	Water Mains	Wm201201		1950	\$ 45	\$ 46	\$ -	\$0	\$0		\$0		\$46
Wallerawang	Reticulation	Water Mains	Wm201202		1950	\$ 48,989	\$ 50,067	\$ -	\$0	\$0		\$0		\$50,067
Wallerawang	Reticulation	Water Mains	Wm201204		1950	\$ 13,477	\$ 13,773	\$ -	\$0	\$0		\$0		\$13,773
Wallerawang	Reticulation	Water Mains	Wm201205		1950	\$ 87	\$ 89	\$ -	\$0	\$0		\$0		\$89
Wallerawang	Reticulation	Water Mains	Wm201206		1950	\$ 58,417	\$ 59,702	\$ -	\$0	\$0		\$0		\$59,702
Wallerawang	Reticulation	Water Mains	Wm201207		1950	\$ 9,131	\$ 9,332	\$ -	\$0	\$0		\$0		\$9,332
Wallerawang	Reticulation	Water Mains	Wm201208		1950	\$ 21,88	\$ 21,652	\$ -	\$0	\$0		\$0		\$21,652
Wallerawang	Reticulation	Water Mains	Wm201210		1950	\$ 16,418	\$ 16,779	\$ -	\$0	\$0		\$0		\$16,779
Wallerawang	Reticulation	Water Mains	Wm201211		1950	\$ 1,909	\$ 1,951	\$ -	\$0	\$0		\$0		\$1,951
Wallerawang	Reticulation	Water Mains	Wm201213		1950	\$ 111,581	\$ 114,036	\$ -	\$0	\$0		\$0		\$114,036
Wallerawang	Reticulation	Water Mains	Wm201214		1950	\$ 26,901	\$ 27,493	\$ -	\$0	\$0		\$0		\$27,493
Wallerawang	Reticulation	Water Mains	Wm201216		1950	\$ 10,931	\$ 11,172	\$ -	\$0	\$0		\$0		\$11,172
Wallerawang	Reticulation	Water Mains	Wm201217		1950	\$ 2,042	\$ 2,087	\$ -	\$0	\$0		\$0		\$2,087
Wallerawang	Reticulation	Water Mains	Wm201218		1950	\$ 1,354	\$ 1,383	\$ -	\$0	\$0		\$0		\$1,383
Wallerawang	Reticulation	Water Mains	Wm201219		1950	\$ 1,531	\$ 1,564	\$ -	\$0	\$0		\$0		\$1,564
Wallerawang	Reticulation	Water Mains	Wm201220		1950	\$ 14,882	\$ 15,210	\$ -	\$0	\$0		\$0		\$15,210
Wallerawang	Reticulation	Water Mains	Wm201222		1950	\$ 45,943	\$ 46,954	\$ -	\$0	\$0		\$0		\$46,954
Wallerawang	Reticulation	Water Mains	Wm201223		1950	\$ 106,014	\$ 108,347	\$ -	\$0	\$0		\$0		\$108,347
Wallerawang	Reticulation	Water Mains	Wm201224		1950	\$ 64,367	\$ 65,763	\$ -	\$0	\$0		\$0		\$65,763
Wallerawang	Reticulation	Water Mains	Wm201225		1950	\$ 44,440	\$ 45,418	\$ -	\$0	\$0		\$0		\$45,418
Wallerawang	Reticulation	Water Mains	Wm201226		1950	\$ 113	\$ 117	\$ -	\$0	\$0		\$0		\$117
Wallerawang	Reticulation	Water Mains	Wm201227		1950	\$ 123	\$ 127	\$ -	\$0	\$0		\$0		\$127

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Service Area	Asset Type	Asset Class	Asset Description	Pipe dia (mm)	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	Shared	Assets Excluded
Wallerawang	Reticulation	Water Mains	Wm201228		1950	\$	339 \$	-	\$0	\$0	\$0	\$0	\$0	\$339
Wallerawang	Reticulation	Water Mains	Wm201229		1950	\$	15,171 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,171
Wallerawang	Reticulation	Water Mains	Wm201230		1950	\$	2,260 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,260
Wallerawang	Reticulation	Water Mains	Wm201231		1950	\$	15,349 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,349
Wallerawang	Reticulation	Water Mains	Wm201232		1950	\$	5,200 \$	-	\$0	\$0	\$0	\$0	\$0	\$5,200
Wallerawang	Reticulation	Water Mains	Wm201233		1950	\$	18,254 \$	-	\$0	\$0	\$0	\$0	\$0	\$18,254
Wallerawang	Reticulation	Water Mains	Wm201234		1950	\$	30,622 \$	-	\$0	\$0	\$0	\$0	\$0	\$30,622
Wallerawang	Reticulation	Water Mains	Wm201235		1950	\$	2,865 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,865
Wallerawang	Reticulation	Water Mains	Wm201236		1950	\$	50,230 \$	-	\$0	\$0	\$0	\$0	\$0	\$50,230
Wallerawang	Reticulation	Water Mains	Wm201237		1950	\$	2,666 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,666
Wallerawang	Reticulation	Water Mains	Wm201238		1950	\$	5,379 \$	-	\$0	\$0	\$0	\$0	\$0	\$5,379
Wallerawang	Reticulation	Water Mains	Wm201239		1950	\$	65,262 \$	-	\$0	\$0	\$0	\$0	\$0	\$65,262
Wallerawang	Reticulation	Water Mains	Wm201240		1950	\$	15,028 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,028
Wallerawang	Reticulation	Water Mains	Wm201241		1950	\$	25,179 \$	-	\$0	\$0	\$0	\$0	\$0	\$25,179
Wallerawang	Reticulation	Water Mains	Wm201242		1950	\$	74,289 \$	-	\$0	\$0	\$0	\$0	\$0	\$74,289
Wallerawang	Reticulation	Water Mains	Wm201243		1950	\$	61,679 \$	-	\$0	\$0	\$0	\$0	\$0	\$61,679
Wallerawang	Reticulation	Water Mains	Wm201244		1950	\$	11,554 \$	-	\$0	\$0	\$0	\$0	\$0	\$11,554
Wallerawang	Reticulation	Water Mains	Wm201245		1950	\$	18,404 \$	-	\$0	\$0	\$0	\$0	\$0	\$18,404
Wallerawang	Reticulation	Water Mains	Wm201255		1950	\$	38,822 \$	-	\$0	\$0	\$0	\$0	\$0	\$38,822
Wallerawang	Reticulation	Water Mains	Wm201256		1950	\$	83 \$	-	\$0	\$0	\$0	\$0	\$0	\$83
Wallerawang	Reticulation	Water Mains	Wm201257		1950	\$	38 \$	-	\$0	\$0	\$0	\$0	\$0	\$38
Wallerawang	Reticulation	Water Mains	Wm201258		1950	\$	21,586 \$	-	\$0	\$0	\$0	\$0	\$0	\$21,586
Wallerawang	Reticulation	Water Mains	Wm201261		1950	\$	90,704 \$	-	\$0	\$0	\$0	\$0	\$0	\$90,704
Wallerawang	Reticulation	Water Mains	Wm201262		1950	\$	113 \$	-	\$0	\$0	\$0	\$0	\$0	\$113
Wallerawang	Reticulation	Water Mains	Wm201263		1950	\$	908 \$	-	\$0	\$0	\$0	\$0	\$0	\$908
Wallerawang	Reticulation	Water Mains	Wm201264		1950	\$	68 \$	-	\$0	\$0	\$0	\$0	\$0	\$68
Wallerawang	Reticulation	Water Mains	Wm201265		1950	\$	71 \$	-	\$0	\$0	\$0	\$0	\$0	\$71
Wallerawang	Reticulation	Water Mains	Wm201267		1950	\$	11,882 \$	-	\$0	\$0	\$0	\$0	\$0	\$11,882
Wallerawang	Reticulation	Water Mains	Wm201268		1950	\$	17,430 \$	-	\$0	\$0	\$0	\$0	\$0	\$17,430
Wallerawang	Reticulation	Water Mains	Wm201269		1950	\$	213,610 \$	-	\$0	\$0	\$0	\$0	\$0	\$213,610
Wallerawang	Reticulation	Water Mains	Wm201270		1950	\$	44,828 \$	-	\$0	\$0	\$0	\$0	\$0	\$44,828
Wallerawang	Reticulation	Water Mains	Wm201271		1950	\$	46 \$	-	\$0	\$0	\$0	\$0	\$0	\$46
Wallerawang	Reticulation	Water Mains	Wm201271		1950	\$	15,251 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,251
Wallerawang	Reticulation	Water Mains	Wm201272		1950	\$	43 \$	-	\$0	\$0	\$0	\$0	\$0	\$43
Wallerawang	Reticulation	Water Mains	Wm201273		1950	\$	16,116 \$	-	\$0	\$0	\$0	\$0	\$0	\$16,116
Wallerawang	Reticulation	Water Mains	Wm201274		1950	\$	2,919 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,919
Wallerawang	Reticulation	Water Mains	Wm201275		1950	\$	83,922 \$	-	\$0	\$0	\$0	\$0	\$0	\$83,922
Wallerawang	Reticulation	Water Mains	Wm201276		1950	\$	11 \$	-	\$0	\$0	\$0	\$0	\$0	\$11
Wallerawang	Reticulation	Water Mains	Wm201277		1950	\$	20 \$	-	\$0	\$0	\$0	\$0	\$0	\$20
Wallerawang	Reticulation	Water Mains	Wm201278		1950	\$	51,047 \$	-	\$0	\$0	\$0	\$0	\$0	\$51,047
Wallerawang	Reticulation	Water Mains	Wm201279		1950	\$	21,603 \$	-	\$0	\$0	\$0	\$0	\$0	\$21,603
Wallerawang	Reticulation	Water Mains	Wm201280		1950	\$	89,522 \$	-	\$0	\$0	\$0	\$0	\$0	\$89,522
Wallerawang	Reticulation	Water Mains	Wm201281		1950	\$	218 \$	-	\$0	\$0	\$0	\$0	\$0	\$218
Wallerawang	Reticulation	Water Mains	Wm201282		1950	\$	100,713 \$	-	\$0	\$0	\$0	\$0	\$0	\$100,713
Wallerawang	Reticulation	Water Mains	Wm201283		1950	\$	71 \$	-	\$0	\$0	\$0	\$0	\$0	\$71
Wallerawang	Reticulation	Water Mains	Wm201284		1950	\$	137 \$	-	\$0	\$0	\$0	\$0	\$0	\$137
Wallerawang	Reticulation	Water Mains	Wm201285		1950	\$	64,433 \$	-	\$0	\$0	\$0	\$0	\$0	\$64,433
Wallerawang	Reticulation	Water Mains	Wm201286		1950	\$	25,977 \$	-	\$0	\$0	\$0	\$0	\$0	\$25,977
Wallerawang	Reticulation	Water Mains	Wm201287		1950	\$	39 \$	-	\$0	\$0	\$0	\$0	\$0	\$39
Wallerawang	Reticulation	Water Mains	Wm201288		1950	\$	19,729 \$	-	\$0	\$0	\$0	\$0	\$0	\$19,729
Wallerawang	Reticulation	Water Mains	Wm201289		1950	\$	2,247 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,247
Wallerawang	Reticulation	Water Mains	Wm201290		1950	\$	157,110 \$	-	\$0	\$0	\$0	\$0	\$0	\$157,110
Wallerawang	Reticulation	Water Mains	Wm201291		1950	\$	72,231 \$	-	\$0	\$0	\$0	\$0	\$0	\$72,231
Wallerawang	Reticulation	Water Mains	Wm201292		1950	\$	166 \$	-	\$0	\$0	\$0	\$0	\$0	\$166
Wallerawang	Reticulation	Water Mains	Wm201293		1950	\$	145 \$	-	\$0	\$0	\$0	\$0	\$0	\$145
Wallerawang	Reticulation	Water Mains	Wm201294		1950	\$	283,666 \$	-	\$0	\$0	\$0	\$0	\$0	\$283,666
Wallerawang	Reticulation	Water Mains	Wm201295		1950	\$	35,908 \$	-	\$0	\$0	\$0	\$0	\$0	\$35,908
Wallerawang	Reticulation	Water Mains	Wm201296		1950	\$	35,908 \$	-	\$0	\$0	\$0	\$0	\$0	\$35,908
Wallerawang	Reticulation	Water Mains	Wm201297		1950	\$	104,188 \$	-	\$0	\$0	\$0	\$0	\$0	\$104,188
Wallerawang	Reticulation	Water Mains	Wm201298		1950	\$	76 \$	-	\$0	\$0	\$0	\$0	\$0	\$76
Wallerawang	Reticulation	Water Mains	Wm201299		1950	\$	3,816 \$	-	\$0	\$0	\$0	\$0	\$0	\$3,816
Wallerawang	Reticulation	Water Mains	Wm201300		1950	\$	15,487 \$	-	\$0	\$0	\$0	\$0	\$0	\$15,487
Wallerawang	Reticulation	Water Mains	Wm201301		1950	\$	61,074 \$	-	\$0	\$0	\$0	\$0	\$0	\$61,074
Wallerawang	Reticulation	Water Mains	Wm201302		1950	\$	185,848 \$	-	\$0	\$0	\$0	\$0	\$0	\$185,848
Wallerawang	Reticulation	Water Mains	Wm201303		1950	\$	17,416 \$	-	\$0	\$0	\$0	\$0	\$0	\$17,416
Wallerawang	Reticulation	Water Mains	Wm201304		1950	\$	62,477 \$	-	\$0	\$0	\$0	\$0	\$0	\$62,477
Wallerawang	Reticulation	Water Mains	Wm201305		1950	\$	12,150 \$	-	\$0	\$0	\$0	\$0	\$0	\$12,150
Wallerawang	Reticulation	Water Mains	Wm201306		1950	\$	10,410 \$	-	\$0	\$0	\$0	\$0	\$0	\$10,410
Wallerawang	Reticulation	Water Mains	Wm201307		1950	\$	21,684 \$	-	\$0	\$0	\$0	\$0	\$0	\$21,684
Wallerawang	Reticulation	Water Mains	Wm201308		1950	\$	2,700 \$	-	\$0	\$0	\$0	\$0	\$0	\$2,700
Wallerawang	Reticulation	Water Mains	Wm201309		1950	\$	52 \$	-	\$0	\$0	\$0	\$0	\$0	\$52
Wallerawang	Reticulation	Water Mains	Wm201310		1950	\$	6,755 \$	-	\$0	\$0	\$0	\$0	\$0	\$6,755
Wallerawang	Reticulation	Water Mains	Wm201311		1950	\$	3,398 \$	-	\$0	\$0	\$0	\$0	\$0	\$3,398
Wallerawang	Reticulation	Water Mains	Wm201312		1950	\$	70,255 \$	-	\$0	\$0	\$0	\$0	\$0	\$70,255
Wallerawang	Reticulation	Water Mains	Wm201313		1950	\$	1,498 \$	-	\$0	\$0	\$0	\$0	\$0	\$1,498
Wallerawang	Reticulation	Water Mains	Wm201314		2004	\$	5,365 \$	-	\$0	\$0	\$0	\$0	\$0	\$5,365
Wallerawang	Reticulation	Water Mains	Wm201315		2004	\$	1,046 \$	-	\$0	\$0	\$0	\$0	\$0	\$1,046
Wallerawang	Property Service	Water Mains	Wm500161		1994	\$	88,685,407 \$	-	\$0	\$0	\$0	\$0	\$0	\$88,685,407
						\$	90,616,046 \$	\$	52,850,468 \$	10,555,744 \$	588,436 \$	334,355 \$	207,056 \$	\$80,060,301

Table 2: Lithgow City Council Water Supply Capital Works Program

All values are in year 2017/18 (\$)

Project	New Works	ILOS	Renewals	Project Total	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
Lithgow														
Chlorinator Renewal			100%	200,000	50,000	0	0	150,000	0	0	0	0	0	0
Dam Safety Works		100%		1,400,000	200,000	250,000	100,000	250,000	100,000	100,000	100,000	100,000	100,000	100,000
WTP SCADA System		100%		0	0	0	0	0	0	0	0	0	0	0
Oakey Park WTP			100%	900,000	200,000	200,000	100,000	100,000	50,000	50,000	50,000	50,000	50,000	50,000
Treatment Plants		100%		0	0	0	0	0	0	0	0	0	0	0
Pump Station Renewal			100%	750,000	0	50,000	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Major Refurbishment of Oakey Park WTP			100%	10,000,000	0	0	0	0	0	0	0	600,000	400,000	0
Tunnel Hill Reservoir Marrangaroo	100%			10,000,000	0	0	0	0	0	0	700,000	300,000	0	0
Portland														
Wallerawang														
Shared														
Mains Renewals			100%	4,250,000	0	500,000	250,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
Telemetry Upgrade			100%	300,000	50,000	0	50,000	200,000	0	0	0	0	0	0
Others (inc Reval Assets) 13/14 Water loss	25%	25%	50%	970,000	20,000	150,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Reservoirs			100%	3,000,000	100,000	150,000	250,000	250,000	0	0	0	0	0	0
Land Purchase	100%			200,000	50,000	50,000	50,000	50,000	0	0	0	0	0	0
Safety Equipment	100%			100,000	25,000	25,000	25,000	25,000	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0
				32,070,000	1,595,000	2,725,000	925,000	1,725,000	850,000	850,000	7,850,000	9,850,000	4,850,000	850,000
New Works				\$10,542,500	80,000	112,500	100,000	100,000	25,000	25,000	7,025,000	3,025,000	25,000	25,000
Renewals				\$19,885,000	1,310,000	2,325,000	700,000	1,350,000	700,000	700,000	700,000	6,700,000	4,700,000	700,000
Total				\$30,427,500	\$1,390,000	\$2,437,500	\$ 800,000	\$1,450,000	\$ 725,000	\$ 725,000	\$7,725,000	\$9,725,000	\$4,725,000	\$ 725,000

Table 3: Lithgow City Council Water Supply Capital Charge Calculations

Year of Commissioning	Effective Year of commissioning	Capital Cost of existing assets (\$)	Capital Cost of renewals only (\$)	Capital Cost of new assets only (\$)	Percentage of capital works utilised by new ETs after 1995-96	PV Factor	PV of capital costs (2017/18\$)
Existing							
Lithgow							
Assets commissioned in 1988	1986	\$0			3%	1.00	\$0
Assets commissioned in 1989	1986	\$0			3%	1.00	\$0
Assets commissioned in 1990	1986	\$0			3%	1.00	\$0
Assets commissioned in 1991	1986	\$0			3%	1.00	\$0
Assets commissioned in 1992	1986	\$0			3%	1.00	\$0
Assets commissioned in 1993	1986	\$0			3%	1.00	\$0
Assets commissioned in 1994	1986	\$0			3%	1.00	\$0
Subtotal (Assets pre-1996)		\$		\$			\$
Assets commissioned in 1995	1995	\$0			3%	1.00	\$0
Assets commissioned in 1996	1995	\$0			3%	1.00	\$0
Assets commissioned in 1997	1995	\$1,149,482		\$313,126	5%		\$298,272
Assets commissioned in 1998	1998	\$0			5%	0.96	\$0
Assets commissioned in 1999	1998	\$0			5%	0.96	\$0
Assets commissioned in 2000	2000	\$0			5%	0.82	\$0
Assets commissioned in 2001	2001	\$0			5%	0.78	\$0
Assets commissioned in 2002	2002	\$0			5%	0.75	\$0
Assets commissioned in 2003	2003	\$0			5%	0.71	\$0
Assets commissioned in 2004	2004	\$0			5%	0.68	\$0
Assets commissioned in 2005	2005	\$0			5%	0.64	\$0
Assets commissioned in 2006	2006	\$568,436		\$154,790	5%	0.61	\$95,028
Assets commissioned in 2007	2007	\$0			5%	0.58	\$0
Assets commissioned in 2008	2008	\$0			5%	0.56	\$0
Assets commissioned in 2009	2009	\$0			5%	0.53	\$0
Assets commissioned in 2010	2010	\$0			5%	0.51	\$0
Assets commissioned in 2011	2011	\$0			5%	0.49	\$0
Assets commissioned in 2012	2012	\$0			5%	0.46	\$0
Assets commissioned in 2013	2013	\$236,918		\$64,515	5%	0.44	\$28,148
Assets commissioned in 2014	2014	\$3,876,740		\$1,055,668	5%	0.42	\$438,952
Assets commissioned in 2015	2015	\$6,715		\$1,828	5%	0.40	\$724
Assets commissioned in 2016	2016	\$2,765,973		\$749,930	5%	0.38	\$282,641
Assets commissioned in 2017	2017	\$853,168		\$232,325	5%	0.36	\$83,391
Future		\$		\$			\$
Assets planned in 2017/18	2018			\$0	5%	0.34	\$23,272
Assets planned in 2018/19	2019			\$250,000	5%	0.32	\$80,000
Assets planned in 2019/20	2020			\$250,000	5%	0.31	\$78,000
Assets planned in 2020/21	2021			\$100,000	5%	0.31	\$27,231
Assets planned in 2021/22	2022			\$150,000	5%	0.30	\$45,000
Assets planned in 2022/23	2023			\$150,000	5%	0.29	\$43,000
Assets planned in 2023/24	2024			\$150,000	5%	0.27	\$40,846
Assets planned in 2024/25	2025			\$6,150,000	5%	0.26	\$1,947,004
Assets planned in 2025/26	2026			\$6,150,000	5%	0.24	\$2,491,621
Assets planned in 2026/27	2027			\$4,150,000	5%	0.23	\$1,130,079
Assets planned in 2027/28	2028			\$150,000	5%	0.22	\$40,846
Assets planned in 2028/29	2029			\$0	5%	0.21	\$0
Assets planned in 2029/30	2030			\$0	5%	0.20	\$0
Assets planned in 2030/31	2031			\$0	5%	0.19	\$0
Assets planned in 2031/32	2032			\$0	5%	0.18	\$0
Assets planned in 2032/33	2033			\$0	5%	0.17	\$0
Assets planned in 2033/34	2034			\$0	5%	0.16	\$0
Assets planned in 2034/35	2035			\$0	5%	0.16	\$0
Assets planned in 2035/36	2036			\$0	5%	0.14	\$0
Assets planned in 2036/37	2037			\$0	5%	0.14	\$0
Assets planned in 2037/38	2038			\$0	5%	0.13	\$0
Assets planned in 2038/39	2039			\$0	5%	0.12	\$0
Assets planned in 2039/40	2040			\$0	5%	0.12	\$0
Assets planned in 2040/41	2041			\$0	5%	0.11	\$0
Assets planned in 2041/42	2042			\$0	5%	0.11	\$0
Assets planned in 2042/43	2043			\$0	5%	0.10	\$0
Assets planned in 2043/44	2044			\$0	5%	0.10	\$0

Table 3: Lithgow City Council Water Supply Capital Charge Calculations

[illegible][illegible]

Table 3: Lithgow City Council Water Supply Capital Charge Calculations

Assets post-1995									
Year of Commissioning	Effective Year of commissioning	Capital Cost of existing assets (\$)	Capital Cost of renewals only (\$)	Capital Cost of new assets only (\$)	Percentage of capital works utilised by new ETs after 1995-96	Rate of Return (%)	PV Factor	PV of capital costs (2017/18\$)	Capital Charge per ET (2017/18\$)
Wallerawang	Existing								
	1988								
	Assets commissioned in 1988	\$0				3%	1.00	\$0	
	Assets commissioned in 1989	\$0				3%	1.00	\$0	
	Assets commissioned in 1990	\$207,637				3%	1.00	\$56,541	
	Assets commissioned in 1991	\$0				3%	1.00	\$0	
	Assets commissioned in 1992	\$0				3%	1.00	\$0	
	Assets commissioned in 1993	\$0				3%	1.00	\$0	
	Assets commissioned in 1994	\$0				3%	1.00	\$0	
	Subtotal (Assets pre-1996)	\$ 207,637				3%	1.00	\$ 56,541	
	Assets commissioned in 1995	\$0				3%	1.00	\$0	
	Assets commissioned in 1996	\$0				5%	0.96	\$0	
	Assets commissioned in 1997	\$6,16				5%	0.91	\$1,41	
	Assets commissioned in 1998	\$0				5%	0.86	\$0	
	Assets commissioned in 1999	\$0				5%	0.82	\$0	
	Assets commissioned in 2000	\$0				5%	0.78	\$0	
	Assets commissioned in 2001	\$0				5%	0.75	\$0	
	Assets commissioned in 2002	\$0				5%	0.71	\$0	
	Assets commissioned in 2003	\$0				5%	0.68	\$0	
	Assets commissioned in 2004	\$0				5%	0.64	\$0	
Assets commissioned in 2005	\$0				5%	0.61	\$0		
Assets commissioned in 2006	\$0				5%	0.58	\$0		
Assets commissioned in 2007	\$0				5%	0.56	\$0		
Assets commissioned in 2008	\$0				5%	0.53	\$0		
Assets commissioned in 2009	\$0				5%	0.51	\$0		
Assets commissioned in 2010	\$0				5%	0.48	\$0		
Assets commissioned in 2011	\$0				5%	0.46	\$0		
Assets commissioned in 2012	\$0				5%	0.44	\$0		
Assets commissioned in 2013	\$0				5%	0.42	\$13,578		
Assets commissioned in 2014	\$120,003				5%	0.40	\$0		
Assets commissioned in 2015	\$0				5%	0.38	\$0		
Assets commissioned in 2016	\$0				5%	0.36	\$0		
Assets commissioned in 2017	\$0				5%				
Future		\$ 126,718							
Assets planned in 2017/18									
Assets planned in 2018/19	2018		\$0			5%	0.34	\$0	
Assets planned in 2019/20	2019		\$0			5%	0.33	\$0	
Assets planned in 2020/21	2020		\$0			5%	0.31	\$0	
Assets planned in 2021/22	2021		\$0			5%	0.29	\$0	
Assets planned in 2022/23	2022		\$0			5%	0.28	\$0	
Assets planned in 2023/24	2023		\$0			5%	0.27	\$0	
Assets planned in 2024/25	2024		\$0			5%	0.26	\$0	
Assets planned in 2025/26	2025		\$0			5%	0.24	\$0	
Assets planned in 2026/27	2026		\$0			5%	0.23	\$0	
Assets planned in 2027/28	2027		\$0			5%	0.22	\$0	
Assets planned in 2028/29	2028		\$0			5%	0.21	\$0	
Assets planned in 2029/30	2029		\$0			5%	0.20	\$0	
Assets planned in 2030/31	2030		\$0			5%	0.19	\$0	
Assets planned in 2031/32	2031		\$0			5%	0.18	\$0	
Assets planned in 2032/33	2032		\$0			5%	0.17	\$0	
Assets planned in 2033/34	2033		\$0			5%	0.16	\$0	
Assets planned in 2034/35	2034		\$0			5%	0.15	\$0	
Assets planned in 2035/36	2035		\$0			5%	0.14	\$0	
Assets planned in 2036/37	2036		\$0			5%	0.14	\$0	
Assets planned in 2037/38	2037		\$0			5%	0.13	\$0	
Assets planned in 2038/39	2038		\$0			5%	0.12	\$0	
Assets planned in 2039/40	2039		\$0			5%	0.12	\$0	
Assets planned in 2040/41	2040		\$0			5%	0.11	\$0	
Assets planned in 2041/42	2041		\$0			5%	0.11	\$0	
Assets planned in 2042/43	2042		\$0			5%	0.10	\$0	
Assets planned in 2043/44	2043		\$0			5%	0.10	\$0	
Assets planned in 2044/45	2044		\$0			5%	0.09	\$0	
Assets planned in 2045/46	2045		\$0			5%	0.09	\$0	
Assets planned in 2046/47	2046		\$0			5%	0.08	\$0	
Assets planned in 2047/48	2047		\$0			5%	0.08	\$0	
Subtotal (Assets post-1996)		\$		\$				\$	15,320

				</					

Table 3: Lithgow City Council Water Supply Capital Charge Calculations

Year of Commissioning		Effective Year of commissioning	Capital Cost of existing assets (\$)	Capital Cost of renewals only (\$)	Capital Cost of new assets only (\$)	Percentage of capital works utilised by new ETs after 1995/96	Rate of Return (%)	PV Factor	PV of capital costs (2017/18\$)
Growth rate									
Shared						27.2%			
Existing									
	1988	1996	\$0				3%	1.00	\$0
	1989	1996	\$0				3%	1.00	\$0
	1990	1996	\$0				3%	1.00	\$0
	1991	1996	\$0				3%	1.00	\$0
	1992	1996	\$0				3%	1.00	\$0
	1993	1996	\$0				3%	1.00	\$0
	1994	1996	\$0				3%	1.00	\$0
Subtotal (Assets pre-1996)			\$			\$			\$
	1996	1996	\$0				3%	1.00	\$0
	1996	1996	\$0				5%	1.00	\$0
	1997	1998	\$73,860				5%	0.95	\$19,155
	1998	1998	\$0				5%	0.91	\$0
	1999	1999	\$0				5%	0.86	\$0
	2000	2000	\$0				5%	0.82	\$0
	2001	2001	\$0				5%	0.78	\$0
	2002	2002	\$0				5%	0.75	\$0
	2003	2003	\$0				5%	0.71	\$0
	2004	2004	\$0				5%	0.68	\$0
	2005	2005	\$0				5%	0.64	\$0
	2006	2006	\$67,115				5%	0.61	\$11,122
	2007	2007	\$0				5%	0.58	\$0
	2008	2008	\$0				5%	0.54	\$0
	2009	2009	\$0				5%	0.53	\$0
	2010	2010	\$0				5%	0.51	\$0
	2011	2011	\$0				5%	0.48	\$0
	2012	2012	\$0				5%	0.46	\$0
	2013	2013	\$0				5%	0.44	\$0
	2014	2014	\$119,767				5%	0.42	\$13,952
	2015	2015	\$0				5%	0.40	\$0
	2016	2016	\$67,115				5%	0.38	\$689
	2017	2017	\$0				5%	0.36	\$0
Future			\$	207,058		\$	56,383		
	2018	2018			\$50,000		5%	0.34	\$10,431
	2019	2019	\$1,050,000		\$50,000		5%	0.32	\$165,104
	2020	2020	\$2,000,000		\$50,000		5%	0.31	\$309,416
	2021	2021	\$1,000,000		\$50,000		5%	0.30	\$295,539
	2022	2022	\$550,000		\$25,000		5%	0.28	\$156,577
	2023	2023	\$550,000		\$25,000		5%	0.27	\$156,577
	2024	2024	\$25,000		\$25,000		5%	0.26	\$39,942
	2025	2025	\$550,000		\$25,000		5%	0.24	\$156,577
	2026	2026	\$550,000		\$25,000		5%	0.23	\$156,577
	2027	2027	\$550,000		\$25,000		5%	0.22	\$156,577
	2028	2028	\$0		\$0		5%	0.21	\$0
	2029	2029	\$0		\$0		5%	0.20	\$0
	2030	2030	\$0		\$0		5%	0.19	\$0
	2031	2031	\$0		\$0		5%	0.18	\$0
	2032	2032	\$0		\$0		5%	0.17	\$0
	2033	2033	\$0		\$0		5%	0.16	\$0
	2034	2034	\$0		\$0		5%	0.15	\$0
	2035	2035	\$0		\$0		5%	0.14	\$0
	2036	2036	\$0		\$0		5%	0.14	\$0
	2037	2037	\$0		\$0		5%	0.14	\$0
	2038	2038	\$0		\$0		5%	0.13	\$0
	2039	2039	\$0		\$0		5%	0.12	\$0
	2040	2040	\$0		\$0		5%	0.12	\$0
	2041	2041	\$0		\$0		5%	0.11	\$0

Table 4: Lithgow City Council Water Supply Developer Charge Calculation

Table 4: Lithgow City Council Water Supply Developer Charge Calculation										CPI (Consumer Price Index), Sydney June 16 - June 17			2.2%	
Service area	Capital Charge per ET (2017/18)	% of highest	% of highest	DSP areas	Total number of new ETs in 30 years	Proportion of PV of new ETs in each DSP area	Weighted Average Capital Charge for each DSP area			Calculated Developer Charge (\$/ET) 2017/18	Calculated Developer Charge (\$/ET) 2018/19	Council Proposed Developer Charge (\$/ET) 2018/19		
							Weighted Cap charge for each service area (\$/ET)	Weighted cap charge for each DSP area (\$/ET)	Reduction Amount (\$/ET)					
Lithgow	\$ 5,052	100%		WDSP1	1045	524	100.0%	\$5,052		\$ 2,858	\$ 2,921	\$ 2,921		
Portland	\$ 1,268	25%	100%		347	114	39.7%	\$503		\$ -	\$ -	-		
Wallerawang	\$ 1,144		90%		228	174	60.3%	\$690		\$ -	\$ -	-		
						Total								

Table 5: Lithgow City Council Water Reduction Amount Calculation

Annual Water Bill Annual Water OMA Costs Net Income	Current estimated (\$/ET)	
	\$	780
	\$	594
	\$	186

2016/17 Special Schedules	
Total Charges Income	\$ 6,427,000
Total ETs	8,239
Annual Bill per ET (\$)	780
Total OMA Cost	\$ 4,892,000
OMA per ET (\$)	\$ 594

	Year	Total ETs	New ETs	PV Factor	PV of new ETs (@5%)	Cumulative new ETs	Net income from new ETs	PV of Net income from new ETs (@5%)	Reduction Amount (\$/ET)
0	2017/18	8,289							
1	2018/19	8,339	50	1.00	50	\$9,265	\$9,265	\$9,265	
2	2019/20	8,389	50	0.95	48	\$18,586	\$17,701	\$17,701	
3	2020/21	8,439	50	0.91	46	\$27,963	\$25,363	\$25,363	
4	2021/22	8,490	51	0.86	44	\$37,396	\$32,304	\$32,304	
5	2022/23	8,541	51	0.82	42	\$46,886	\$38,573	\$38,573	
6	2023/24	8,592	51	0.78	40	\$56,432	\$44,216	\$44,216	
7	2024/25	8,643	52	0.75	38	\$66,036	\$49,277	\$49,277	
8	2025/26	8,695	52	0.71	37	\$75,697	\$53,797	\$53,797	
9	2026/27	8,747	52	0.68	35	\$85,417	\$57,814	\$57,814	
10	2027/28	8,800	52	0.64	34	\$95,195	\$61,363	\$61,363	
11	2028/29	8,853	53	0.61	32	\$105,031	\$64,480	\$64,480	
12	2029/30	8,906	53	0.58	31	\$114,927	\$67,195	\$67,195	
13	2030/31	8,959	53	0.56	30	\$124,881	\$69,539	\$69,539	
14	2031/32	9,013	54	0.53	29	\$134,896	\$71,538	\$71,538	
15	2032/33	9,067	54	0.51	27	\$144,971	\$73,220	\$73,220	
16	2033/34	9,122	54	0.48	26	\$155,106	\$74,608	\$74,608	
17	2034/35	9,176	55	0.46	25	\$165,302	\$75,727	\$75,727	
18	2035/36	9,231	55	0.44	24	\$175,559	\$76,596	\$76,596	
19	2036/37	9,287	55	0.42	23	\$185,877	\$77,236	\$77,236	
20	2037/38	9,342	56	0.40	22	\$196,258	\$77,666	\$77,666	
21	2038/39	9,398	56	0.38	21	\$206,701	\$77,903	\$77,903	
22	2039/40	9,455	56	0.36	20	\$217,206	\$77,964	\$77,964	
23	2040/41	9,512	57	0.34	19	\$227,774	\$77,865	\$77,865	
24	2041/42	9,569	57	0.33	19	\$238,406	\$77,613	\$77,613	
25	2042/43	9,626	57	0.31	18	\$249,102	\$77,239	\$77,239	
26	2043/44	9,684	58	0.30	17	\$259,862	\$76,738	\$76,738	
27	2044/45	9,742	58	0.28	16	\$270,686	\$76,128	\$76,128	
28	2045/46	9,800	58	0.27	16	\$281,576	\$75,420	\$75,420	
29	2046/47	9,859	59	0.26	15	\$292,530	\$74,623	\$74,623	
30	2047/48	9,918	59	0.24	14	\$303,551	\$73,747	\$73,747	
					858	\$ 1,882,721	\$ 2,194	\$ 2,194	



APPENDIX C

BACKGROUND DOCUMENT FOR SEWERAGE DSP 2018

The background document comprises:

Table 1 - Existing Assets

Table 2 - Future Assets

Table 3 - Capital Charge Calculation

Table 4 - Developer Charge Calculation

Table 5 - Reduction Amount Calculation

Table 6 - Cross-Subsidy Calculation

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Shared all	Monitoring	Cement Works - Portland	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Portland	Submersible 50m head	Cement Works-Portland	1960	\$ 304,056	\$ 310,745	\$ 310,745		\$0	\$0	\$0	\$0	\$0	\$0	\$310,745
Portland	Submersible 50m head	Cement Works-Portland	1960	\$ 437,544	\$ 447,170	\$ 447,170		\$0	\$0	\$0	\$0	\$0	\$0	\$447,170
Shared all	Monitoring	Church of England - Portland	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Portland	Submersible 50m head	Church of England-Portland	1960	\$ 304,056	\$ 310,745	\$ 310,745		\$0	\$0	\$0	\$0	\$0	\$0	\$310,745
Portland	Submersible 50m head	Church of England-Portland	1960	\$ 437,544	\$ 447,170	\$ 447,170		\$0	\$0	\$0	\$0	\$0	\$0	\$447,170
Portland	Reticulation	DEP-264-MhP-1144	1960	\$ 6,997	\$ 7,151	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,151
Portland	Reticulation	DEP-265-MhP--E/5	1960	\$ 7,823	\$ 7,995	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,995
Portland	Reticulation	DEP-270-MhP--T/1	1960	\$ 4,871	\$ 4,978	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$4,978
Portland	Reticulation	DEP-AG-MhP-AE/5	1960	\$ 5,366	\$ 5,484	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$5,484
Portland	Reticulation	DEP-AS-MhP-AS/1	1960	\$ 6,967	\$ 7,120	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,120
Portland	Reticulation	DEP-AX-MhP-AX/1	1960	\$ 4,070	\$ 4,159	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$4,159
Portland	Reticulation	DEP-BD-MhP-AC/9	1960	\$ 3,842	\$ 3,926	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$3,926
Portland	Reticulation	DEP-BL-MhP-BL/1	1960	\$ 4,729	\$ 4,833	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$4,833
Portland	Reticulation	DEP-BT-MhP-BT/1	1960	\$ 3,776	\$ 3,859	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$3,859
Portland	Reticulation	DEP-BV-MhP-BV/2	1960	\$ 8,453	\$ 8,639	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$8,639
Portland	Reticulation	DEP-BZ-MhP-BZ/3	1960	\$ 7,746	\$ 7,916	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,916
Portland	Reticulation	DEP-CE-MhP-CE/1	1960	\$ 8,217	\$ 8,397	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$8,397
Portland	Reticulation	DEP-CF-MhP-BX/10	1960	\$ 8,003	\$ 8,179	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$8,179
Portland	Reticulation	DEP-CJ-MhP-CJ/1	1960	\$ 7,866	\$ 8,040	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$8,040
Portland	Reticulation	DEP-CK-MhP-BX/17	1960	\$ 8,602	\$ 8,791	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$8,791
Portland	Reticulation	DEP-CP-MhP-CN/2	1960	\$ 4,774	\$ 4,879	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$4,879
Portland	Reticulation	DEP-CS-MhP-CS/3	1960	\$ 8,110	\$ 8,288	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$8,288
Portland	Reticulation	DEP--D-MhP--D/3	1960	\$ 5,367	\$ 5,485	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$5,485
Portland	Reticulation	DEP-DD-MhP-DD/3	1960	\$ 5,323	\$ 5,441	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$5,441
Portland	Reticulation	DEP-DH-MhP-DA/10	1960	\$ 4,362	\$ 4,458	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$4,458
Portland	Reticulation	DEP-DU-MhP-DT/1	1960	\$ 7,766	\$ 7,937	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,937
Portland	Reticulation	DEP-DX-MhP-DX/14	1960	\$ 2,568	\$ 2,624	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$2,624
Portland	Reticulation	DEP-EA-MhP-EA/1	1960	\$ 4,297	\$ 4,391	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$4,391
Portland	Reticulation	DEP-EB-MhP-EA/1	1960	\$ 4,503	\$ 4,602	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$4,602
Portland	Reticulation	DEP-EE-MhP-EE/1	1960	\$ 5,044	\$ 5,155	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$5,155
Portland	Reticulation	DEP--H-MhP--F/3	1960	\$ 8,030	\$ 8,207	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$8,207
Portland	Reticulation	DEP--J-MhP--J/2	1960	\$ 3,233	\$ 3,304	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$3,304
Portland	Reticulation	DEP--P-MhP--A/4	1960	\$ 10,576	\$ 10,809	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$10,809
Portland	Reticulation	DEP--S-MhP--R/2	1960	\$ 7,209	\$ 7,368	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,368
Portland	Reticulation	DEP--T-MhP--T/8	1960	\$ 3,810	\$ 3,894	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$3,894
Portland	Reticulation	DEP--U-MhP--U/12	1960	\$ 3,442	\$ 3,517	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$3,517
Portland	Reticulation	DEP--W-MhP--W/4	1960	\$ 5,735	\$ 5,861	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$5,861
Portland	Reticulation	DEP--X-MhP--X/3	1960	\$ 5,489	\$ 5,610	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$5,610
Shared all	Monitoring	East Portland	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Portland	Submersible 50m head	East Portland	1970	\$ 254,925	\$ 260,533	\$ 260,533		\$0	\$0	\$0	\$0	\$0	\$0	\$260,533
Portland	Submersible 50m head	East Portland	1970	\$ 311,575	\$ 318,430	\$ 318,430		\$0	\$0	\$0	\$0	\$0	\$0	\$318,430
Portland	Submersible 25m head	Falnash St-Portland	2002	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$0	\$168,426	\$0	\$0	\$0	\$0	\$0
Portland	Submersible 25m head	Falnash St-Portland	2002	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$0	\$168,426	\$0	\$0	\$0	\$0	\$0
Shared all	Monitoring	Falnash Street - Portland	2002	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Portland	Submersible 50m head	High St-Portland	1970	\$ 230,267	\$ 235,333	\$ 235,333		\$0	\$0	\$0	\$0	\$0	\$0	\$235,333
Portland	Submersible 50m head	High St-Portland	1970	\$ 270,313	\$ 276,260	\$ 276,260		\$0	\$0	\$0	\$0	\$0	\$0	\$276,260
Shared all	Monitoring	High Street Portland	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Portland	Reticulation	MhP---/11-MhP---/9	1960	\$ 14,943	\$ 15,271	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$15,271
Portland	Reticulation	MhP---/12-MhP---/11	1960	\$ 22,071	\$ 22,556	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$22,556
Portland	Reticulation	MhP---/13-MhP---/12	1960	\$ 10,374	\$ 10,603	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$10,603
Portland	Reticulation	MhP---/14-MhP---/13	1960	\$ 9,570	\$ 9,781	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$9,781
Portland	Reticulation	MhP---/5-TP PORTLAND	1960	\$ 9,867	\$ 10,084	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$10,084
Portland	Reticulation	MhP---/6-MhP---/5	1960	\$ 14,946	\$ 15,274	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$15,274
Portland	Reticulation	MhP---/7-MhP---/6	1960	\$ 19,894	\$ 20,332	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$20,332
Portland	Reticulation	MhP---/8-MhP---/7	1960	\$ 11,786	\$ 12,045	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$12,045
Portland	Reticulation	MhP---/9-MhP---/8	1960	\$ 9,736	\$ 9,951	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$9,951
Portland	Reticulation	MhP-1138-MhP-CM/2	1960	\$ 3,889	\$ 3,975	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$3,975
Portland	Reticulation	MhP-1139-MhP-1138	1960	\$ 7,637	\$ 7,805	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,805
Portland	Reticulation	MhP-1140-MhP-1139	1960	\$ 7,672	\$ 7,841	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,841
Portland	Reticulation	MhP-1141-MhP-1140	1960	\$ 11,706	\$ 11,963	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$11,963
Portland	Reticulation	MhP-1142-SPS1143	1960	\$ 7,323	\$ 7,484	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$7,484
Portland	Reticulation	MhP-1144-MhP-1142	1960	\$ 18,477	\$ 18,884	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$18,884
Portland	Rising Mains	MhP-479-MhP-BZ/2	1960	\$ 9,817	\$ 10,033	\$ 10,033		\$0	\$0	\$0	\$0	\$0	\$0	\$10,033
Portland	Rising Mains	MhP-679-SPS678	1960	\$ 4,806	\$ 4,912	\$ 4,912	\$4,912	\$0	\$0	\$0	\$0	\$0	\$0	\$4,912
Portland	Rising Mains	MhP-680-MhP-679	1960	\$ 3,685	\$ 3,766	\$ 3,766		\$0	\$0	\$0	\$0	\$0	\$0	\$3,766
Portland	Rising Mains	MhP-681-MhP-680	1960	\$ 51,840	\$ 52,980	\$ 52,980		\$0	\$0	\$0	\$0	\$0	\$0	\$52,980
Portland	Rising Mains	MhP--A/1-SPS447	1960	\$ 1,385	\$ 1,415	\$ 1,415		\$0	\$0	\$0	\$0	\$0	\$0	\$1,415
Portland	Reticulation	MhP--A/10-MhP--A/9	1960	\$ 20,891	\$ 21,350	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$21,350
Portland	Reticulation	MhP--A/11-MhP--A/10	1960	\$ 19,180	\$ 19,602	\$ -		\$0	\$0	\$0	\$0	\$0	\$0	\$19,602

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Reticulation	MhP--A/12-MhP--A/11	1960	\$ 20,730	\$ 21,186	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,186
Portland	Reticulation	MhP--A/13-MhP--A/12	1960	\$ 20,386	\$ 20,834	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,834
Portland	Reticulation	MhP--A/14-MhP--A/13	1960	\$ 7,571	\$ 7,738	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,738
Portland	Reticulation	MhP--A/15-MhP--A/14	1960	\$ 16,248	\$ 16,605	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,605
Portland	Reticulation	MhP--A/16-MhP--A/15	1960	\$ 18,214	\$ 18,615	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,615
Portland	Reticulation	MhP--A/17-MhP--A/16	1960	\$ 17,324	\$ 17,705	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,705
Portland	Reticulation	MhP--A/18-MhP-1144	1960	\$ 20,990	\$ 21,452	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,452
Portland	Reticulation	MhP--A/18-MhP--A/17	1960	\$ 13,766	\$ 14,069	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,069
Portland	Reticulation	MhP--A/2-MhP--A/1	1960	\$ 13,191	\$ 13,482	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,482
Portland	Reticulation	MhP--A/3-MhP--A/2	1960	\$ 14,567	\$ 14,888	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,888
Portland	Reticulation	MhP--A/4-MhP--A/3	1960	\$ 20,315	\$ 20,762	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,762
Portland	Reticulation	MhP--A/5-MhP--A/4	1960	\$ 15,527	\$ 15,869	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,869
Portland	Reticulation	MhP--A/6-MhP--A/5	1960	\$ 5,202	\$ 5,317	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,317
Portland	Reticulation	MhP--A/7-MhP--A/6	1960	\$ 18,956	\$ 19,373	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,373
Portland	Reticulation	MhP--A/8-MhP--A/7	1960	\$ 10,206	\$ 10,431	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,431
Portland	Reticulation	MhP--A/9-MhP--A/8	1960	\$ 10,165	\$ 10,389	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,389
Portland	Reticulation	MhP-AA/1-MhP--A/11	1960	\$ 17,546	\$ 17,932	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,932
Portland	Reticulation	MhP-AA/2-MhP-AA/1	1960	\$ 11,916	\$ 12,178	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,178
Portland	Reticulation	MhP-AA/3-MhP-AA/2	1960	\$ 9,363	\$ 9,569	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,569
Portland	Reticulation	MhP-AA/4-MhP-AA/3	1960	\$ 16,252	\$ 16,610	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,610
Portland	Reticulation	MhP-AA/5-MhP-AA/4	1960	\$ 10,738	\$ 10,974	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,974
Portland	Reticulation	MhP-AA/6-MhP-AA/5	1960	\$ 8,399	\$ 8,584	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,584
Portland	Reticulation	MhP-AA/7-MhP-AA/6	1960	\$ 14,306	\$ 14,621	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,621
Portland	Reticulation	MhP-AB/1-MhP-AA/3	1960	\$ 14,764	\$ 15,089	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,089
Portland	Reticulation	MhP-AC/1-MhP-AC/1A	1960	\$ 5,304	\$ 5,421	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,421
Portland	Reticulation	MhP-AC/10-MhP-AC/9	1960	\$ 9,368	\$ 9,574	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,574
Portland	Reticulation	MhP-AC/11-MhP-AC/10	1960	\$ 9,190	\$ 9,392	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,392
Portland	Reticulation	MhP-AC/12-MhP-AC/11	1960	\$ 11,716	\$ 11,974	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,974
Portland	Reticulation	MhP-AC/12A-MhP-AC/12	1960	\$ 4,223	\$ 4,316	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,316
Portland	Reticulation	MhP-AC/13-MhP-AC/12A	1960	\$ 14,775	\$ 15,100	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,100
Portland	Reticulation	MhP-AC/14-MhP-AC/13	1960	\$ 14,503	\$ 14,822	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,822
Portland	Reticulation	MhP-AC/15-MhP-AC/14	1960	\$ 14,662	\$ 14,984	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,984
Portland	Reticulation	MhP-AC/16-MhP-AC/15	1960	\$ 16,250	\$ 16,607	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,607
Portland	Reticulation	MhP-AC/17-MhP-AC/16	1960	\$ 16,927	\$ 17,299	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,299
Portland	Reticulation	MhP-AC/18-MhP-AC/17	1960	\$ 5,861	\$ 5,990	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,990
Portland	Reticulation	MhP-AC/19-MhP-AC/18	1960	\$ 6,953	\$ 7,106	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,106
Portland	Reticulation	MhP-AC/1A-SPS731	1960	\$ 1,008	\$ 1,030	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,030
Portland	Reticulation	MhP-AC/2-MhP-AC/1	1960	\$ 15,450	\$ 15,790	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,790
Portland	Reticulation	MhP-AC/20-MhP-AC/19	1960	\$ 17,020	\$ 17,394	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,394
Portland	Reticulation	MhP-AC/21-MhP-AC/20	1960	\$ 10,642	\$ 10,876	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,876
Portland	Reticulation	MhP-AC/22-MhP-AC/21	1960	\$ 10,474	\$ 10,705	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,705
Portland	Reticulation	MhP-AC/23-MhP-AC/22	1960	\$ 20,032	\$ 20,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,473
Portland	Reticulation	MhP-AC/24-MhP-AC/23	1960	\$ 16,213	\$ 16,569	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,569
Portland	Reticulation	MhP-AC/25-MhP-AC/24	1960	\$ 12,873	\$ 13,156	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,156
Portland	Reticulation	MhP-AC/26-MhP-AC/25	1960	\$ 11,678	\$ 11,935	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,935
Portland	Reticulation	MhP-AC/27-MhP-AC/26	1960	\$ 25,236	\$ 25,792	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,792
Portland	Reticulation	MhP-AC/28-MhP-AC/27	1960	\$ 12,502	\$ 12,777	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,777
Portland	Reticulation	MhP-AC/29-MhP-AC/28	1960	\$ 16,010	\$ 16,362	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,362
Portland	Reticulation	MhP-AC/3-MhP-AC/2	1960	\$ 8,319	\$ 8,502	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,502
Portland	Reticulation	MhP-AC/4-MhP-AC/3	1960	\$ 6,111	\$ 6,245	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,245
Portland	Reticulation	MhP-AC/5-MhP-AC/4	1960	\$ 5,439	\$ 5,559	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,559
Portland	Reticulation	MhP-AC/6-MhP-AC/5	1960	\$ 2,021	\$ 2,065	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,065
Portland	Reticulation	MhP-AC/7-MhP-AC/6	1960	\$ 9,809	\$ 10,025	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,025
Portland	Reticulation	MhP-AC/8-MhP-AC/7	1960	\$ 12,330	\$ 12,602	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,602
Portland	Reticulation	MhP-AC/9-MhP-AC/8	1960	\$ 3,944	\$ 4,030	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,030
Portland	Reticulation	MhP-AD/1-MhP-AC/1	1960	\$ 4,686	\$ 4,789	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,789
Portland	Reticulation	MhP-AD/10-MhP-AD/9	1960	\$ 16,584	\$ 16,948	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,948
Portland	Reticulation	MhP-AD/11-MhP-AD/10	1960	\$ 13,571	\$ 13,870	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,870
Portland	Reticulation	MhP-AD/12-MhP-AD/11	1960	\$ 7,439	\$ 7,603	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,603
Portland	Reticulation	MhP-AD/13-MhP-AD/12	1960	\$ 13,987	\$ 14,294	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,294
Portland	Reticulation	MhP-AD/14-MhP-AD/13	1960	\$ 3,807	\$ 3,891	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,891
Portland	Reticulation	MhP-AD/15-MhP-AD/14	1960	\$ 19,818	\$ 20,254	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,254
Portland	Reticulation	MhP-AD/16-MhP-AD/15	1960	\$ 12,629	\$ 12,907	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,907
Portland	Reticulation	MhP-AD/17-MhP-AD/16	1960	\$ 15,683	\$ 16,028	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,028
Portland	Reticulation	MhP-AD/18-MhP-AD/17	1960	\$ 11,659	\$ 11,915	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,915
Portland	Reticulation	MhP-AD/19-MhP-AD/18	1960	\$ 5,754	\$ 5,881	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,881
Portland	Reticulation	MhP-AD/1A-MhP-AD/1	1960	\$ 4,988	\$ 5,098	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,098
Portland	Reticulation	MhP-AD/2-MhP-AD/1A	1960	\$ 1,819	\$ 1,859	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,859
Portland	Reticulation	MhP-AD/20-MhP-AD/19	1960	\$ 10,502	\$ 10,733	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,733
Portland	Reticulation	MhP-AD/2A-MhP-AD/2	1960	\$ 20,175	\$ 20,619	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,619

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Reticulation	MhP-AD/3~MhP-AD/2A	1960	\$ 6,737	\$ 6,885	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,885
Portland	Reticulation	MhP-AD/3A~MhP-AD/3	1960	\$ 1,847	\$ 1,887	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,887
Portland	Reticulation	MhP-AD/4~MhP-AD/3A	1960	\$ 12,357	\$ 12,629	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,629
Portland	Reticulation	MhP-AD/5~MhP-AD/4	1960	\$ 10,726	\$ 10,962	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,962
Portland	Reticulation	MhP-AD/6~MhP-AD/5	1960	\$ 17,546	\$ 17,932	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,932
Portland	Reticulation	MhP-AD/7~MhP-AD/6	1960	\$ 12,309	\$ 12,580	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,580
Portland	Reticulation	MhP-AD/8~MhP-AD/7	1960	\$ 14,546	\$ 14,866	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,866
Portland	Reticulation	MhP-AD/9~MhP-AD/8	1960	\$ 19,511	\$ 19,940	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,940
Portland	Reticulation	MhP-AE/1~MhP-AD/5	1960	\$ 13,733	\$ 14,035	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,035
Portland	Reticulation	MhP-AE/10~MhP-AE/9	1960	\$ 11,521	\$ 11,774	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,774
Portland	Reticulation	MhP-AE/2~MhP-AE/1	1960	\$ 12,836	\$ 13,118	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,118
Portland	Reticulation	MhP-AE/3~MhP-AE/2	1960	\$ 13,846	\$ 14,151	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,151
Portland	Reticulation	MhP-AE/4~MhP-AE/3	1960	\$ 17,182	\$ 17,561	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,561
Portland	Reticulation	MhP-AE/5~MhP-AE/4	1960	\$ 12,996	\$ 13,282	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,282
Portland	Reticulation	MhP-AE/6~MhP-AE/5	1960	\$ 4,694	\$ 4,797	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,797
Portland	Reticulation	MhP-AE/7~MhP-AE/6	1960	\$ 7,937	\$ 8,112	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,112
Portland	Reticulation	MhP-AE/8~MhP-AE/7	1960	\$ 10,117	\$ 10,340	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,340
Portland	Reticulation	MhP-AE/9~MhP-AE/8	1960	\$ 12,064	\$ 12,329	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,329
Portland	Reticulation	MhP-AF/1~MhP-AE/2	1960	\$ 11,782	\$ 12,042	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,042
Portland	Reticulation	MhP-AF/2~MhP-AF/1	1960	\$ 11,805	\$ 12,064	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,064
Portland	Reticulation	MhP-AF/3~MhP-AF/2	1960	\$ 20,915	\$ 21,375	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,375
Portland	Reticulation	MhP-AF/4~MhP-AF/3	1960	\$ 13,616	\$ 13,915	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,915
Portland	Reticulation	MhP-AH/1~MhP-AD/7	1960	\$ 15,848	\$ 16,197	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,197
Portland	Reticulation	MhP-AH/10~MhP-AH/9	1960	\$ 14,308	\$ 14,623	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,623
Portland	Reticulation	MhP-AH/2~MhP-AH/1	1960	\$ 6,016	\$ 6,149	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,149
Portland	Reticulation	MhP-AH/3~MhP-AH/2	1960	\$ 7,805	\$ 7,977	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,977
Portland	Reticulation	MhP-AH/4~MhP-AH/3	1960	\$ 15,119	\$ 15,452	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,452
Portland	Reticulation	MhP-AH/5~MhP-AH/4	1960	\$ 13,284	\$ 13,576	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,576
Portland	Reticulation	MhP-AH/6~MhP-AH/5	1960	\$ 8,700	\$ 8,891	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,891
Portland	Reticulation	MhP-AH/7~MhP-AH/6	1960	\$ 7,171	\$ 7,328	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,328
Portland	Reticulation	MhP-AH/8~MhP-AH/7	1960	\$ 6,876	\$ 7,028	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,028
Portland	Reticulation	MhP-AH/9~MhP-AH/8	1960	\$ 7,118	\$ 7,275	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,275
Portland	Reticulation	MhP-AJ/1~MhP-AH/1	1960	\$ 4,012	\$ 4,100	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,100
Portland	Reticulation	MhP-AJ/2~MhP-AJ/1	1960	\$ 15,639	\$ 15,983	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,983
Portland	Reticulation	MhP-AJ/3~MhP-AJ/2	1960	\$ 8,061	\$ 8,239	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,239
Portland	Reticulation	MhP-AK/1~MhP-AH/3	1960	\$ 19,658	\$ 20,090	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,090
Portland	Reticulation	MhP-AL/1~MhP-AH/4	1960	\$ 18,947	\$ 19,364	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,364
Portland	Reticulation	MhP-AM/1~MhP-AH/6	1960	\$ 10,458	\$ 10,688	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,688
Portland	Reticulation	MhP-AN/1~MhP-AD/8	1960	\$ 20,825	\$ 21,283	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,283
Portland	Reticulation	MhP-AN/2~MhP-AN/1	1960	\$ 9,060	\$ 9,259	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,259
Portland	Reticulation	MhP-AP/1~MhP-AN/1	1960	\$ 5,879	\$ 6,008	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,008
Portland	Reticulation	MhP-AR/1~MhP-AD/12	1960	\$ 19,640	\$ 20,072	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,072
Portland	Reticulation	MhP-AS/1~MhP-AD/13	1960	\$ 5,569	\$ 5,692	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,692
Portland	Reticulation	MhP-AT/1~MhP-AD/13	1960	\$ 19,863	\$ 20,300	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,300
Portland	Reticulation	MhP-AT/2~MhP-AT/1	1960	\$ 8,917	\$ 9,113	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,113
Portland	Reticulation	MhP-AU/1~MhP-AD/15	1960	\$ 20,368	\$ 20,816	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,816
Portland	Reticulation	MhP-AV/1~MhP-AD/15	1960	\$ 14,315	\$ 14,630	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,630
Portland	Reticulation	MhP-AV/2~MhP-AV/1	1960	\$ 15,273	\$ 15,609	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,609
Portland	Reticulation	MhP-AV/3~MhP-AV/2	1960	\$ 13,063	\$ 13,350	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,350
Portland	Reticulation	MhP-AW/1~MhP-AD/16	1960	\$ 19,486	\$ 19,915	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,915
Portland	Reticulation	MhP-AX/1~MhP-AD/18	1960	\$ 7,718	\$ 7,888	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,888
Portland	Reticulation	MhP-AY/1~MhP-AC/1	1960	\$ 13,355	\$ 13,649	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,649
Portland	Reticulation	MhP-AY/2~MhP-AY/1	1960	\$ 19,859	\$ 20,296	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,296
Portland	Rising Mains	MhP--B/1~MhP--A/1	1960	\$ 4,203	\$ 4,296	\$ 4,296	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,296
Portland	Rising Mains	MhP--B/2~MhP--B/1	1960	\$ 13,454	\$ 13,750	\$ 13,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,750
Portland	Rising Mains	MhP--B/3~MhP--B/2	1960	\$ 6,536	\$ 6,680	\$ 6,680	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,680
Portland	Rising Mains	MhP--B/4~MhP--B/3	1960	\$ 10,530	\$ 10,762	\$ 10,762	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,762
Portland	Rising Mains	MhP--B/5~MhP--B/4	1960	\$ 14,362	\$ 14,678	\$ 14,678	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,678
Portland	Reticulation	MhP-BA/1~MhP-AC/2	1960	\$ 12,163	\$ 12,431	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,431
Portland	Reticulation	MhP-BA/2~MhP-BA/1	1960	\$ 16,617	\$ 16,983	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,983
Portland	Reticulation	MhP-BE/1~MhP-AC/9	1960	\$ 10,657	\$ 10,892	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,892
Portland	Reticulation	MhP-BE/2~MhP-BE/1	1960	\$ 8,451	\$ 8,637	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,637
Portland	Reticulation	MhP-BE/3~MhP-BE/2	1960	\$ 3,742	\$ 3,825	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,825
Portland	Reticulation	MhP-BE/4~MhP-BE/3	1960	\$ 10,490	\$ 10,721	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,721
Portland	Reticulation	MhP-BE/5~MhP-BE/4	1960	\$ 7,813	\$ 7,985	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,985
Portland	Reticulation	MhP-BE/6~MhP-BE/5	1960	\$ 13,504	\$ 13,801	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,801
Portland	Reticulation	MhP-BE/7~MhP-BE/6	1960	\$ 20,265	\$ 20,711	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,711
Portland	Reticulation	MhP-BE/8~MhP-BE/7	1960	\$ 15,649	\$ 15,993	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,993
Portland	Reticulation	MhP-BF/1~MhP-BE/2	1960	\$ 7,870	\$ 8,043	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,043
Portland	Reticulation	MhP-BG/1~MhP-BE/4	1960	\$ 15,348	\$ 15,685	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,685

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Reticulation	MhP-BG/2-MhP-BG/1	1960	\$ 13,614	\$ 13,913	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,913
Portland	Reticulation	MhP-BG/3-MhP-BG/2	1960	\$ 10,432	\$ 10,662	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,662
Portland	Reticulation	MhP-BH/1-MhP-AC/14	1960	\$ 7,972	\$ 8,147	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,147
Portland	Reticulation	MhP-BH/2-MhP-BH/1	1960	\$ 5,336	\$ 5,453	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,453
Portland	Reticulation	MhP-BH/3-MhP-BH/2	1960	\$ 8,794	\$ 8,987	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,987
Portland	Reticulation	MhP-BH/4-MhP-BH/3	1960	\$ 8,037	\$ 8,214	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,214
Portland	Reticulation	MhP-BH/5-MhP-BH/4	1960	\$ 10,653	\$ 10,888	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,888
Portland	Reticulation	MhP-BJ/1-MhP-BH/2	1960	\$ 15,953	\$ 16,304	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,304
Portland	Reticulation	MhP-BJ/2-MhP-BJ/1	1960	\$ 5,249	\$ 5,364	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,364
Portland	Reticulation	MhP-BJ/3-MhP-BJ/2	1960	\$ 5,671	\$ 5,796	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,796
Portland	Reticulation	MhP-BL/1-MhP-AC/15	1960	\$ 4,232	\$ 4,325	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,325
Portland	Reticulation	MhP-BM/1-MhP-AC/17	1960	\$ 16,405	\$ 16,766	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,766
Portland	Reticulation	MhP-BM/1A-MhP-BM/1	1960	\$ 10,292	\$ 10,519	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,519
Portland	Reticulation	MhP-BM/2-MhP-BM/1A	1960	\$ 11,088	\$ 11,332	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,332
Portland	Reticulation	MhP-BM/3-MhP-BM/2	1960	\$ 12,624	\$ 12,901	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,901
Portland	Reticulation	MhP-BN/1-MhP-AC/19	1960	\$ 9,592	\$ 9,803	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,803
Portland	Reticulation	MhP-BN/2-MhP-BN/1	1960	\$ 7,121	\$ 7,277	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,277
Portland	Reticulation	MhP-BN/3-MhP-BN/2	1960	\$ 2,784	\$ 2,845	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,845
Portland	Reticulation	MhP-BN/4-MhP-BN/3	1960	\$ 11,659	\$ 11,915	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,915
Portland	Reticulation	MhP-BP/1-MhP-AC/20	1960	\$ 5,515	\$ 5,637	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,637
Portland	Reticulation	MhP-BP/2-MhP-BP/1	1960	\$ 11,144	\$ 11,389	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,389
Portland	Reticulation	MhP-BP/3-MhP-BP/2	1960	\$ 16,366	\$ 16,726	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,726
Portland	Reticulation	MhP-BP/4-MhP-BP/3	1960	\$ 11,125	\$ 11,370	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,370
Portland	Reticulation	MhP-BP/5-MhP-BP/4	1960	\$ 11,246	\$ 11,493	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,493
Portland	Reticulation	MhP-BP/6-MhP-BP/5	1960	\$ 16,210	\$ 16,566	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,566
Portland	Reticulation	MhP-BR/1-MhP-BP/1	1960	\$ 12,555	\$ 12,831	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,831
Portland	Reticulation	MhP-BR/2-MhP-BR/1	1960	\$ 13,762	\$ 14,065	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,065
Portland	Reticulation	MhP-BS/1-MhP-BP/2	1960	\$ 12,366	\$ 12,638	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,638
Portland	Reticulation	MhP-BS/2-MhP-BS/1	1960	\$ 16,963	\$ 17,336	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,336
Portland	Reticulation	MhP-BT/1-MhP-BP/3	1960	\$ 12,823	\$ 13,105	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,105
Portland	Reticulation	MhP-BV/1-MhP-AC/24	1960	\$ 6,662	\$ 6,798	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,798
Portland	Reticulation	MhP-BV/2-MhP-BV/1	1960	\$ 9,309	\$ 9,514	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,514
Portland	Reticulation	MhP-BW/1-MhP-AC/25	1960	\$ 8,097	\$ 8,276	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,276
Portland	Reticulation	MhP-BW/2-MhP-BW/1	2002	\$ 5,363	\$ 5,481	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,481
Portland	Reticulation	MhP-BW/3-MhP-BW/2	2002	\$ 20,301	\$ 20,748	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,748
Portland	Reticulation	MhP-BW/4-MhP-BW/3	2002	\$ 5,857	\$ 5,986	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,986
Portland	Reticulation	MhP-BX/1-MhP--/14	1960	\$ 16,138	\$ 16,493	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,493
Portland	Reticulation	MhP-BX/10-MhP-BX/9	1960	\$ 12,212	\$ 12,480	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,480
Portland	Reticulation	MhP-BX/11-MhP-BX/10	1960	\$ 7,319	\$ 7,480	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,480
Portland	Reticulation	MhP-BX/12-MhP-BX/11	1960	\$ 18,685	\$ 19,096	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,096
Portland	Reticulation	MhP-BX/13-MhP-BX/12	1960	\$ 19,887	\$ 20,324	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,324
Portland	Reticulation	MhP-BX/14-MhP-BX/13	1960	\$ 13,186	\$ 13,476	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,476
Portland	Reticulation	MhP-BX/15-MhP-BX/14	1960	\$ 13,722	\$ 14,024	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,024
Portland	Reticulation	MhP-BX/16-MhP-BX/15	1960	\$ 6,180	\$ 6,316	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,316
Portland	Reticulation	MhP-BX/17-MhP-BX/16	1960	\$ 10,189	\$ 10,413	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,413
Portland	Reticulation	MhP-BX/18-MhP-BX/17	1960	\$ 11,539	\$ 11,793	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,793
Portland	Reticulation	MhP-BX/19-MhP-BX/18	1960	\$ 20,321	\$ 20,768	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,768
Portland	Reticulation	MhP-BX/2-MhP-BX/1	1960	\$ 24,998	\$ 25,548	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,548
Portland	Reticulation	MhP-BX/20-MhP-BX/19	1960	\$ 16,872	\$ 17,243	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,243
Portland	Reticulation	MhP-BX/3-MhP-BX/2	1960	\$ 27,906	\$ 28,520	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,520
Portland	Reticulation	MhP-BX/4-MhP-BX/3	1960	\$ 21,704	\$ 22,181	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,181
Portland	Reticulation	MhP-BX/5-MhP-BX/4	1960	\$ 18,027	\$ 18,424	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,424
Portland	Reticulation	MhP-BX/6-MhP-BX/5	1960	\$ 16,874	\$ 17,246	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,246
Portland	Reticulation	MhP-BX/7-MhP-BX/6	1960	\$ 20,873	\$ 21,332	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,332
Portland	Reticulation	MhP-BX/8-MhP-BX/7	1960	\$ 19,519	\$ 19,949	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,949
Portland	Reticulation	MhP-BX/9-MhP-BX/8	1960	\$ 17,617	\$ 18,005	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,005
Portland	Reticulation	MhP-BY/1-MhP-BX/8	1960	\$ 17,448	\$ 17,832	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,832
Portland	Reticulation	MhP-BY/2-MhP-BY/1	1960	\$ 12,497	\$ 12,772	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,772
Portland	Reticulation	MhP-BY/3-MhP-BY/2	1960	\$ 6,200	\$ 6,337	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,337
Portland	Reticulation	MhP-BY/4-MhP-BY/3	1960	\$ 17,255	\$ 17,634	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,634
Portland	Reticulation	MhP-BY/5-MhP-BY/4	1960	\$ 14,845	\$ 15,171	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,171
Portland	Reticulation	MhP-BY/6-MhP-BY/5	1960	\$ 7,334	\$ 7,495	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,495
Portland	Reticulation	MhP-BY/7-MhP-BY/6	1960	\$ 5,398	\$ 5,517	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,517
Portland	Reticulation	MhP-BY/8-MhP-BY/7	1960	\$ 13,433	\$ 13,729	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,729
Portland	Reticulation	MhP-BY/9-MhP-BY/8	1960	\$ 12,170	\$ 12,438	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,438
Portland	Reticulation	MhP-BZ/1-MhP-BY/3	1960	\$ 12,223	\$ 12,492	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,492
Portland	Reticulation	MhP-BZ/2-MhP-BZ/1	1960	\$ 23,660	\$ 24,181	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,181
Portland	Reticulation	MhP-BZ/3-MhP-BZ/2	1960	\$ 9,788	\$ 10,003	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,003
Portland	Reticulation	MhP--C/1-MhP--A/2	1960	\$ 13,748	\$ 14,050	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,050

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Reticulation	MhP--C/2-MhP--C/1	1960	\$ 20,064	\$ 20,505	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,505
Portland	Reticulation	MhP--C/3-MhP--C/2	1960	\$ 14,726	\$ 15,050	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,050
Portland	Reticulation	MhP--C/4-MhP--C/3	1960	\$ 16,545	\$ 16,909	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,909
Portland	Reticulation	MhP--C/5-MhP--C/4	1960	\$ 13,748	\$ 14,050	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,050
Portland	Reticulation	MhP--C/6-MhP--C/5	1960	\$ 14,860	\$ 15,187	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,187
Portland	Reticulation	MhP--C/7-MhP--C/6	1960	\$ 10,863	\$ 11,102	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,102
Portland	Reticulation	MhP-CA/1-MhP-BY/4	1960	\$ 14,541	\$ 14,861	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,861
Portland	Reticulation	MhP-CB/1-MhP-BY/4	1960	\$ 18,805	\$ 19,218	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,218
Portland	Reticulation	MhP-CC/1-MhP-BY/6	1960	\$ 13,343	\$ 13,637	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,637
Portland	Reticulation	MhP-CC/2-MhP-CC/1	1960	\$ 5,759	\$ 5,886	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,886
Portland	Reticulation	MhP-CC/3-MhP-CC/2	1960	\$ 8,828	\$ 9,022	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,022
Portland	Reticulation	MhP-CD/1-MhP-BY/7	1960	\$ 13,829	\$ 14,134	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,134
Portland	Reticulation	MhP-CE/1-MhP-BX/9	1960	\$ 11,965	\$ 12,228	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,228
Portland	Reticulation	MhP-CG/1-MhP-BX/12	1960	\$ 12,681	\$ 12,960	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,960
Portland	Reticulation	MhP-CG/2-MhP-CG/1	1960	\$ 7,766	\$ 7,937	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,937
Portland	Reticulation	MhP-CG/3-MhP-CG/2	1960	\$ 19,637	\$ 20,069	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,069
Portland	Reticulation	MhP-CG/4-MhP-CG/3	1960	\$ 9,696	\$ 9,909	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,909
Portland	Reticulation	MhP-CH/1-MhP-CG/2	1960	\$ 20,767	\$ 21,224	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,224
Portland	Reticulation	MhP-CJ/1-MhP-BX/12	1960	\$ 5,329	\$ 5,447	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,447
Portland	Reticulation	MhP-CL/1-MhP-BX/2	1960	\$ 52,051	\$ 53,197	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,197
Portland	Rising Mains	MhP-CL/10-MhP-CL/9	1960	\$ 1,784	\$ 1,824	\$ 1,824	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,824
Portland	Rising Mains	MhP-CL/11-MhP-CL/10	1960	\$ 9,627	\$ 9,839	\$ 9,839	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,839
Portland	Rising Mains	MhP-CL/12-MhP-CL/11	1960	\$ 7,470	\$ 7,634	\$ 7,634	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,634
Portland	Rising Mains	MhP-CL/13-MhP-CL/12	1960	\$ 15,026	\$ 15,357	\$ 15,357	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,357
Portland	Rising Mains	MhP-CL/14-MhP-CL/13	1960	\$ 13,455	\$ 13,751	\$ 13,751	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,751
Portland	Rising Mains	MhP-CL/15-MhP-CL/14	1960	\$ 3,494	\$ 3,571	\$ 3,571	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,571
Portland	Rising Mains	MhP-CL/16-MhP-CL/15	1960	\$ 7,339	\$ 7,501	\$ 7,501	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,501
Portland	Rising Mains	MhP-CL/17-MhP-CL/16	1960	\$ 7,405	\$ 7,568	\$ 7,568	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,568
Portland	Rising Mains	MhP-CL/18-MhP-CL/17	1960	\$ 10,448	\$ 10,677	\$ 10,677	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,677
Portland	Rising Mains	MhP-CL/19-MhP-CL/18	1960	\$ 3,818	\$ 3,902	\$ 3,902	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,902
Portland	Rising Mains	MhP-CL/2-MhP-CL/1	1960	\$ 16,558	\$ 16,923	\$ 16,923	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,923
Portland	Rising Mains	MhP-CL/20-MhP-CL/19	1960	\$ 3,926	\$ 4,012	\$ 4,012	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,012
Portland	Rising Mains	MhP-CL/21-MhP-CL/20	1960	\$ 7,001	\$ 7,155	\$ 7,155	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,155
Portland	Rising Mains	MhP-CL/22-MhP-CL/21	1960	\$ 6,931	\$ 7,083	\$ 7,083	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,083
Portland	Rising Mains	MhP-CL/23-MhP-CL/22	1960	\$ 7,438	\$ 7,601	\$ 7,601	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,601
Portland	Rising Mains	MhP-CL/24-MhP-CL/23	1960	\$ 11,095	\$ 11,339	\$ 11,339	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,339
Portland	Rising Mains	MhP-CL/25-MhP-CL/24	1960	\$ 13,628	\$ 13,928	\$ 13,928	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,928
Portland	Reticulation	MhP-CL/26-MhP-CL/25	1960	\$ 6,594	\$ 6,739	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,739
Portland	Rising Mains	MhP-CL/3-MhP-CL/2	1960	\$ 11,759	\$ 12,017	\$ 12,017	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,017
Portland	Rising Mains	MhP-CL/4-MhP-CL/3	1960	\$ 6,845	\$ 6,996	\$ 6,996	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,996
Portland	Rising Mains	MhP-CL/5-MhP-CL/4	1960	\$ 12,117	\$ 12,384	\$ 12,384	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,384
Portland	Rising Mains	MhP-CL/6-MhP-CL/5	1960	\$ 12,261	\$ 12,531	\$ 12,531	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,531
Portland	Rising Mains	MhP-CL/7-MhP-CL/6	1960	\$ 4,957	\$ 5,066	\$ 5,066	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,066
Portland	Rising Mains	MhP-CL/8-MhP-CL/7	1960	\$ 7,478	\$ 7,643	\$ 7,643	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,643
Portland	Rising Mains	MhP-CL/9-MhP-CL/8	1960	\$ 11,407	\$ 11,658	\$ 11,658	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,658
Portland	Reticulation	MhP-CM/1-MhP-CL/1	1960	\$ 5,625	\$ 5,748	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,748
Portland	Reticulation	MhP-CM/2-MhP-CM/1	1960	\$ 13,234	\$ 13,525	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,525
Portland	Reticulation	MhP-CM/3-MhP-CM/2	1960	\$ 12,097	\$ 12,364	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,364
Portland	Reticulation	MhP-CM/4-MhP-CM/3	1960	\$ 7,119	\$ 7,276	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,276
Portland	Reticulation	MhP-CM/5-MhP-CM/4	1960	\$ 12,961	\$ 13,246	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,246
Portland	Reticulation	MhP-CM/6-MhP-CM/5	1960	\$ 8,920	\$ 9,116	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,116
Portland	Reticulation	MhP-CM/7-MhP-CM/6	1960	\$ 6,370	\$ 6,510	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,510
Portland	Reticulation	MhP-CN/1-MhP-CL/9	1960	\$ 20,772	\$ 21,229	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,229
Portland	Reticulation	MhP-CN/2-MhP-CN/1	1960	\$ 15,976	\$ 16,328	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,328
Portland	Reticulation	MhP-CN/3-MhP-CN/2	1960	\$ 6,605	\$ 6,751	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,751
Portland	Reticulation	MhP-CN/4-MhP-CN/3	1960	\$ 8,624	\$ 8,814	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,814
Portland	Reticulation	MhP-CN/5-MhP-CN/4	1960	\$ 9,055	\$ 9,254	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,254
Portland	Reticulation	MhP-CN/6-MhP-CN/5	1960	\$ 20,682	\$ 21,137	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,137
Portland	Reticulation	MhP-CN/7-MhP-CN/6	1960	\$ 17,012	\$ 17,387	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,387
Portland	Reticulation	MhP-CR/1-MhP-CL/11	1960	\$ 12,115	\$ 12,381	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,381
Portland	Reticulation	MhP-CS/1-MhP-CL/13	1960	\$ 18,834	\$ 19,249	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,249
Portland	Reticulation	MhP-CS/2-MhP-CS/1	1960	\$ 12,167	\$ 12,434	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,434
Portland	Reticulation	MhP-CS/3-MhP-CS/2	1960	\$ 14,729	\$ 15,053	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,053
Portland	Rising Mains	MhP-CT/1-MhP-CL/16	1960	\$ 7,458	\$ 7,623	\$ 7,623	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,623
Portland	Rising Mains	MhP-CT/2-MhP-CT/1	1960	\$ 2,683	\$ 2,742	\$ 2,742	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,742
Portland	Rising Mains	MhP-CT/3-MhP-CT/2	1960	\$ 11,426	\$ 11,678	\$ 11,678	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,678
Portland	Rising Mains	MhP-CT/4-MhP-CT/3	1960	\$ 3,524	\$ 3,602	\$ 3,602	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,602
Portland	Rising Mains	MhP-CT/5-SPS694	1960	\$ 1,359	\$ 1,389	\$ 1,389	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,389
Portland	Reticulation	MhP-CT/6-MhP-CT/5	1960	\$ 7,594	\$ 7,761	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,761
Portland	Reticulation	MhP-CT/7-MhP-CT/6	1960	\$ 12,284	\$ 12,554	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,554

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Reticulation	MhP-CT/8~MhP-CT/7	1960	\$ 11,474	\$ 11,726	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,726
Portland	Reticulation	MhP-CU/1~MhP-CT/2	1960	\$ 16,233	\$ 16,590	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,590
Portland	Reticulation	MhP-CV/1~MhP-CT/4	1960	\$ 8,117	\$ 8,296	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,296
Portland	Reticulation	MhP-CV/2~MhP-CV/1	1960	\$ 14,291	\$ 14,605	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,605
Portland	Reticulation	MhP-CW/1~MhP-CT/5	1960	\$ 18,514	\$ 18,921	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,921
Portland	Reticulation	MhP-CX/1~MhP-CL/18	1960	\$ 10,487	\$ 10,717	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,717
Portland	Reticulation	MhP-CX/2~MhP-CX/1	1960	\$ 20,158	\$ 20,601	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,601
Portland	Reticulation	MhP-CX/3~MhP-CX/2	1960	\$ 9,341	\$ 9,546	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,546
Portland	Reticulation	MhP-CX/4~MhP-CX/3	1960	\$ 12,195	\$ 12,463	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,463
Portland	Reticulation	MhP-CY/1~MhP-CL/21	1960	\$ 16,201	\$ 16,557	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,557
Portland	Reticulation	MhP-CZ/1~SPS619	1960	\$ 8,971	\$ 9,168	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,168
Portland	Reticulation	MhP-CZ/10~MhP-CZ/9	1960	\$ 19,596	\$ 20,027	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,027
Portland	Reticulation	MhP-CZ/11~MhP-CZ/10	1960	\$ 11,967	\$ 12,231	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,231
Portland	Reticulation	MhP-CZ/12~MhP-CZ/11	1960	\$ 11,796	\$ 12,056	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,056
Portland	Reticulation	MhP-CZ/13~MhP-CZ/12	1960	\$ 19,763	\$ 20,198	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,198
Portland	Reticulation	MhP-CZ/14~MhP-CZ/13	1960	\$ 13,107	\$ 13,396	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,396
Portland	Reticulation	MhP-CZ/15~MhP-CZ/14	1960	\$ 15,991	\$ 16,342	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,342
Portland	Reticulation	MhP-CZ/16~MhP-CZ/15	1960	\$ 21,629	\$ 22,104	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,104
Portland	Reticulation	MhP-CZ/17~MhP-CZ/16	1960	\$ 14,041	\$ 14,349	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,349
Portland	Reticulation	MhP-CZ/18~MhP-CZ/17	1960	\$ 10,724	\$ 10,960	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,960
Portland	Reticulation	MhP-CZ/2~MhP-CZ/1	1960	\$ 16,022	\$ 16,375	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,375
Portland	Reticulation	MhP-CZ/3~MhP-CZ/2	1960	\$ 12,265	\$ 12,535	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,535
Portland	Reticulation	MhP-CZ/4~MhP-CZ/3	1960	\$ 15,855	\$ 16,204	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,204
Portland	Reticulation	MhP-CZ/5~MhP-CZ/4	1960	\$ 19,968	\$ 20,407	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,407
Portland	Reticulation	MhP-CZ/6~MhP-CZ/5	1960	\$ 5,225	\$ 5,340	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,340
Portland	Reticulation	MhP-CZ/7~MhP-CZ/6	1960	\$ 27,108	\$ 27,704	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,704
Portland	Reticulation	MhP-CZ/8~MhP-CZ/7	1960	\$ 6,209	\$ 6,345	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,345
Portland	Reticulation	MhP-CZ/9~MhP-CZ/8	1960	\$ 5,387	\$ 5,506	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,506
Portland	Reticulation	MhP--D/1~MhP--C/3	1960	\$ 18,726	\$ 19,138	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,138
Portland	Reticulation	MhP--D/2~MhP--D/1	1960	\$ 16,506	\$ 16,869	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,869
Portland	Reticulation	MhP--D/3~MhP--D/2	1960	\$ 12,732	\$ 13,012	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,012
Portland	Reticulation	MhP-DA/1~MhP-CZ/1	1960	\$ 1,893	\$ 1,935	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,935
Portland	Reticulation	MhP-DA/10~MhP-DA/9	1960	\$ 8,050	\$ 8,227	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,227
Portland	Reticulation	MhP-DA/11~MhP-DA/10	1960	\$ 15,602	\$ 15,945	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,945
Portland	Reticulation	MhP-DA/12~MhP-DA/11	1960	\$ 12,617	\$ 12,895	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,895
Portland	Reticulation	MhP-DA/13~MhP-DA/12	1960	\$ 9,498	\$ 9,707	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,707
Portland	Reticulation	MhP-DA/14~MhP-DA/13	1960	\$ 18,236	\$ 18,637	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,637
Portland	Reticulation	MhP-DA/15~MhP-DA/14	1960	\$ 7,971	\$ 8,146	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,146
Portland	Reticulation	MhP-DA/16~MhP-DA/15	1960	\$ 16,054	\$ 16,407	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,407
Portland	Reticulation	MhP-DA/17~MhP-DA/16	1960	\$ 19,133	\$ 19,554	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,554
Portland	Reticulation	MhP-DA/18~MhP-DA/17	1960	\$ 8,695	\$ 8,886	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,886
Portland	Reticulation	MhP-DA/2~MhP-DA/1	1960	\$ 18,323	\$ 18,726	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,726
Portland	Reticulation	MhP-DA/3~MhP-DA/2	1960	\$ 12,015	\$ 12,279	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,279
Portland	Reticulation	MhP-DA/4~MhP-DA/3	1960	\$ 8,515	\$ 8,702	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,702
Portland	Reticulation	MhP-DA/5~MhP-DA/4	1960	\$ 8,969	\$ 9,167	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,167
Portland	Reticulation	MhP-DA/6~MhP-DA/5	1960	\$ 3,358	\$ 3,432	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,432
Portland	Reticulation	MhP-DA/7~MhP-DA/6	1960	\$ 15,576	\$ 15,918	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,918
Portland	Reticulation	MhP-DA/8~MhP-DA/7	1960	\$ 14,915	\$ 15,243	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,243
Portland	Reticulation	MhP-DA/9~MhP-DA/8	1960	\$ 19,414	\$ 19,841	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,841
Portland	Reticulation	MhP-DB/1~MhP-DA/2	1960	\$ 17,924	\$ 18,318	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,318
Portland	Reticulation	MhP-DB/2~MhP-DB/1	1960	\$ 20,377	\$ 20,825	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,825
Portland	Reticulation	MhP-DB/3~MhP-DB/2	1960	\$ 14,162	\$ 14,474	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,474
Portland	Reticulation	MhP-DB/4~MhP-DB/3	1960	\$ 5,973	\$ 6,105	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,105
Portland	Reticulation	MhP-DB/5~MhP-DB/4	1960	\$ 11,042	\$ 11,285	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,285
Portland	Reticulation	MhP-DB/6~MhP-DB/5	1960	\$ 14,923	\$ 15,251	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,251
Portland	Reticulation	MhP-DC/1~MhP-DB/1	1960	\$ 12,901	\$ 13,185	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,185
Portland	Reticulation	MhP-DC/2~MhP-DC/1	1960	\$ 11,810	\$ 12,070	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,070
Portland	Reticulation	MhP-DD/1~MhP-DB/1	1960	\$ 2,212	\$ 2,260	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,260
Portland	Reticulation	MhP-DD/2~MhP-DD/1	1960	\$ 6,488	\$ 6,630	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,630
Portland	Reticulation	MhP-DD/3~MhP-DD/2	1960	\$ 12,750	\$ 13,031	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,031
Portland	Reticulation	MhP-DE/1~MhP-DB/2	1960	\$ 11,318	\$ 11,567	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,567
Portland	Reticulation	MhP-DE/2~MhP-DE/1	1960	\$ 10,759	\$ 10,996	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,996
Portland	Reticulation	MhP-DE/3~MhP-DE/2	1960	\$ 15,338	\$ 15,675	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,675
Portland	Reticulation	MhP-DF/1~MhP-DB/2	1960	\$ 8,472	\$ 8,659	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,659
Portland	Reticulation	MhP-DG/1~MhP-DA/10	1960	\$ 10,374	\$ 10,603	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,603
Portland	Reticulation	MhP-DJ/1~MhP-DA/11	1960	\$ 3,694	\$ 3,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,776
Portland	Reticulation	MhP-DJ/2~MhP-DJ/1	1960	\$ 19,177	\$ 19,599	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,599
Portland	Reticulation	MhP-DJ/3~MhP-DJ/2	1960	\$ 6,993	\$ 7,147	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,147
Portland	Reticulation	MhP-DJ/4~MhP-DJ/3	1960	\$ 9,344	\$ 9,550	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,550
Portland	Reticulation	MhP-DL/1~MhP-DJ/2	1960	\$ 9,202	\$ 9,404	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,404

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Reticulation	MhP-DL/2~MhP-DL/1	1960	\$ 7,216	\$ 7,375	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,375
Portland	Reticulation	MhP-DL/3~MhP-DL/2	1960	\$ 8,386	\$ 8,570	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,570
Portland	Reticulation	MhP-DL/4~MhP-DL/3	1960	\$ 21,634	\$ 22,110	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,110
Portland	Reticulation	MhP-DL/5~MhP-DL/4	1960	\$ 11,519	\$ 11,772	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,772
Portland	Reticulation	MhP-DM/1~MhP-CZ/1	1960	\$ 15,267	\$ 15,603	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,603
Portland	Reticulation	MhP-DM/10~MhP-DM/9	1970	\$ 8,806	\$ 9,000	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
Portland	Reticulation	MhP-DM/11~MhP-DM/10	1970	\$ 11,581	\$ 11,836	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,836
Portland	Reticulation	MhP-DM/12~MhP-DM/11	1970	\$ 12,715	\$ 12,995	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,995
Portland	Reticulation	MhP-DM/2~MhP-DM/1	1970	\$ 14,725	\$ 15,049	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,049
Portland	Reticulation	MhP-DM/3~MhP-DM/2	1970	\$ 16,464	\$ 16,826	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,826
Portland	Reticulation	MhP-DM/4~MhP-DM/3	1970	\$ 16,065	\$ 16,419	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,419
Portland	Reticulation	MhP-DM/5~MhP-DM/4	1970	\$ 21,953	\$ 22,435	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,435
Portland	Reticulation	MhP-DM/6~MhP-DM/5	1970	\$ 13,463	\$ 13,759	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,759
Portland	Reticulation	MhP-DM/7~MhP-DM/6	1970	\$ 16,662	\$ 17,029	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,029
Portland	Reticulation	MhP-DM/8~MhP-DM/7	1970	\$ 16,639	\$ 17,006	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,006
Portland	Reticulation	MhP-DM/9~MhP-DM/8	1970	\$ 12,983	\$ 13,269	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,269
Portland	Reticulation	MhP-DN/1~MhP-DM/3	1960	\$ 14,531	\$ 14,851	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,851
Portland	Reticulation	MhP-DN/2~MhP-DN/1	1970	\$ 20,533	\$ 20,984	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,984
Portland	Reticulation	MhP-DN/3~MhP-DN/2	1970	\$ 21,559	\$ 22,033	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,033
Portland	Reticulation	MhP-DN/4~MhP-DN/3	1970	\$ 20,638	\$ 21,092	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,092
Portland	Reticulation	MhP-DN/5~MhP-DN/4	1970	\$ 9,383	\$ 9,590	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,590
Portland	Reticulation	MhP-DN/6~MhP-DN/5	1970	\$ 17,838	\$ 18,231	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,231
Portland	Reticulation	MhP-DN/7~MhP-DN/6	1970	\$ 20,455	\$ 20,905	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,905
Portland	Reticulation	MhP-DP/1~MhP-DN/5	1960	\$ 12,850	\$ 13,133	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,133
Portland	Reticulation	MhP-DR/1~MhP-DM/4	1960	\$ 19,246	\$ 19,669	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,669
Portland	Reticulation	MhP-DR/2~MhP-DR/1	1960	\$ 22,214	\$ 22,702	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,702
Portland	Reticulation	MhP-DR/3~MhP-DR/2	1960	\$ 20,512	\$ 20,963	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,963
Portland	Reticulation	MhP-DS/1~MhP-DM/6	1960	\$ 20,766	\$ 21,223	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,223
Portland	Reticulation	MhP-DS/2~MhP-DS/1	1960	\$ 20,250	\$ 20,695	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,695
Portland	Reticulation	MhP-DS/3~MhP-DS/2	1960	\$ 16,873	\$ 17,244	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,244
Portland	Reticulation	MhP-DT/1~MhP-CZ/2	1960	\$ 15,386	\$ 15,725	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,725
Portland	Reticulation	MhP-DT/2~MhP-DT/1	1960	\$ 8,620	\$ 8,810	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,810
Portland	Reticulation	MhP-DT/3~MhP-DT/2	1960	\$ 8,291	\$ 8,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,473
Portland	Reticulation	MhP-DT/4~MhP-DT/3	1960	\$ 8,902	\$ 9,098	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,098
Portland	Reticulation	MhP-DV/1~MhP-CZ/8	1960	\$ 17,989	\$ 18,385	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,385
Portland	Reticulation	MhP-DV/2~MhP-DV/1	1960	\$ 16,929	\$ 17,301	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,301
Portland	Reticulation	MhP-DW/1~MhP-DV/1	1960	\$ 15,900	\$ 16,250	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,250
Portland	Reticulation	MhP-DX/1~MhP-CZ/9	1960	\$ 14,972	\$ 15,301	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,301
Portland	Reticulation	MhP-DX/10~MhP-DX/9	1960	\$ 12,050	\$ 12,316	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,316
Portland	Reticulation	MhP-DX/11~MhP-DX/10	1960	\$ 17,041	\$ 17,416	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,416
Portland	Reticulation	MhP-DX/12~MhP-DX/11	1960	\$ 7,397	\$ 7,560	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,560
Portland	Reticulation	MhP-DX/13~MhP-DX/12	1960	\$ 14,036	\$ 14,345	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,345
Portland	Reticulation	MhP-DX/14~MhP-DX/13	1960	\$ 16,383	\$ 16,744	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,744
Portland	Reticulation	MhP-DX/2~MhP-DX/1	1960	\$ 9,916	\$ 10,134	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,134
Portland	Reticulation	MhP-DX/3~MhP-DX/2	1960	\$ 13,414	\$ 13,709	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,709
Portland	Reticulation	MhP-DX/4~MhP-DX/3	1960	\$ 14,003	\$ 14,311	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,311
Portland	Reticulation	MhP-DX/5~MhP-DX/4	1960	\$ 10,270	\$ 10,496	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,496
Portland	Reticulation	MhP-DX/7~MhP-DX/5	1960	\$ 15,253	\$ 15,589	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,589
Portland	Reticulation	MhP-DX/8~MhP-DX/7	1960	\$ 25,198	\$ 25,753	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,753
Portland	Reticulation	MhP-DX/9~MhP-DX/8	1960	\$ 9,518	\$ 9,727	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,727
Portland	Reticulation	MhP-DY/1~MhP-DX/4	1960	\$ 8,502	\$ 8,689	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,689
Portland	Reticulation	MhP-DY/2~MhP-DY/1	1960	\$ 14,958	\$ 15,288	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,288
Portland	Reticulation	MhP-DY/3~MhP-DY/2	1960	\$ 10,810	\$ 11,048	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,048
Portland	Reticulation	MhP-DY/4~MhP-DY/3	1960	\$ 25,456	\$ 26,016	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,016
Portland	Reticulation	MhP-DZ/1~MhP-DY/2	1960	\$ 7,952	\$ 8,127	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,127
Portland	Reticulation	MhP--E/1~MhP--A/4	1960	\$ 19,323	\$ 19,749	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,749
Portland	Reticulation	MhP--E/10~MhP--E/9	1960	\$ 11,582	\$ 11,837	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,837
Portland	Reticulation	MhP--E/11~MhP--E/10	1960	\$ 13,950	\$ 14,257	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,257
Portland	Reticulation	MhP--E/12~MhP--E/11	1960	\$ 21,147	\$ 21,612	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,612
Portland	Reticulation	MhP--E/13~MhP--E/12	1960	\$ 15,359	\$ 15,697	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,697
Portland	Reticulation	MhP--E/2~MhP--E/1	1960	\$ 12,713	\$ 12,993	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,993
Portland	Reticulation	MhP--E/3~MhP--E/2	1960	\$ 8,635	\$ 8,825	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,825
Portland	Reticulation	MhP--E/4~MhP--E/3	1960	\$ 15,025	\$ 15,356	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,356
Portland	Reticulation	MhP--E/5~MhP--E/4	1960	\$ 15,320	\$ 15,657	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,657
Portland	Reticulation	MhP--E/6~MhP--E/5	1960	\$ 9,520	\$ 9,730	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,730
Portland	Reticulation	MhP--E/7~MhP--E/6	1960	\$ 21,190	\$ 21,656	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,656
Portland	Reticulation	MhP--E/8~MhP--E/7	1960	\$ 13,309	\$ 13,602	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,602
Portland	Reticulation	MhP--E/9~MhP--E/8	1960	\$ 3,790	\$ 3,874	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,874
Portland	Reticulation	MhP-EA/1~MhP-DX/5	1960	\$ 13,955	\$ 14,262	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,262
Portland	Reticulation	MhP-EC/1~MhP-DX/8	1960	\$ 15,683	\$ 16,029	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,029

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Reticulation	MhP-EC/2-MhP-EC/1	1960	\$ 14,287	\$ 14,601	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,601
Portland	Reticulation	MhP-EE/1-MhP-DX/12	1960	\$ 18,509	\$ 18,916	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,916
Portland	Reticulation	MhP-EF/1-MhP-CZ/13	1960	\$ 5,363	\$ 5,481	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,481
Portland	Reticulation	MhP-EF/2-MhP-EF/1	1970	\$ 15,216	\$ 15,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,551
Portland	Reticulation	MhP-EF/3-MhP-EF/2	1970	\$ 20,204	\$ 20,649	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,649
Portland	Reticulation	MhP-EF/4-MhP-EF/3	1970	\$ 16,364	\$ 16,724	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,724
Portland	Reticulation	MhP-EG/1-MhP-EF/1	1960	\$ 6,578	\$ 6,722	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,722
Portland	Reticulation	MhP-EG/2-MhP-EG/1	1960	\$ 5,654	\$ 5,778	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,778
Portland	Reticulation	MhP-EG/3-MhP-EG/2	1960	\$ 10,101	\$ 10,323	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,323
Portland	Reticulation	MhP-EH/1-MhP-EF/2	1960	\$ 12,012	\$ 12,276	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,276
Portland	Reticulation	MhP-EH/2-MhP-EH/1	1970	\$ 15,741	\$ 16,087	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,087
Portland	Reticulation	MhP-EJ/1-MhP-CZ/15	1960	\$ 15,333	\$ 15,671	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,671
Portland	Reticulation	MhP-EK/1-MhP-BY/2	1960	\$ 3,403	\$ 3,478	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,478
Portland	Reticulation	MhP-EK/2-MhP-EK/1	1960	\$ 6,783	\$ 6,932	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,932
Portland	Reticulation	MhP-EN/1-MhP-AC/1A	1960	\$ 13,772	\$ 14,075	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,075
Portland	Reticulation	MhP-EN/2-MhP-EN/1	1960	\$ 12,957	\$ 13,242	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,242
Portland	Reticulation	MhP--F/1-MhP--E/2	1960	\$ 10,071	\$ 10,293	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,293
Portland	Reticulation	MhP--F/2-MhP--F/1	1960	\$ 12,872	\$ 13,156	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,156
Portland	Reticulation	MhP--F/3-MhP--F/2	1960	\$ 9,553	\$ 9,763	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,763
Portland	Reticulation	MhP--F/4-MhP--F/3	1960	\$ 16,498	\$ 16,861	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,861
Portland	Reticulation	MhP--G/1-MhP--F/2	1960	\$ 8,090	\$ 8,268	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,268
Portland	Reticulation	MhP--J/1-MhP--E/5	1960	\$ 14,022	\$ 14,330	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,330
Portland	Reticulation	MhP--J/2-MhP--J/1	1960	\$ 5,941	\$ 6,071	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,071
Portland	Reticulation	MhP--L/1-MhP--E/9	1960	\$ 11,547	\$ 11,801	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,801
Portland	Reticulation	MhP--M/1-MhP--E/10	1960	\$ 4,124	\$ 4,215	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,215
Portland	Reticulation	MhP--M/2-MhP--M/1	1960	\$ 20,249	\$ 20,694	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,694
Portland	Reticulation	MhP--N/1-MhP--M/1	1960	\$ 12,263	\$ 12,533	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,533
Portland	Reticulation	MhP--R/1-MhP--A/5	1960	\$ 16,963	\$ 17,337	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,337
Portland	Reticulation	MhP--R/2-MhP--R/1	1960	\$ 7,594	\$ 7,761	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,761
Portland	Reticulation	MhP--R/3-MhP--R/2	1960	\$ 21,238	\$ 21,705	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,705
Portland	Reticulation	MhP--R/4-MhP--R/3	1960	\$ 16,539	\$ 16,903	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,903
Portland	Reticulation	MhP--T/1-MhP--A/7	1960	\$ 6,295	\$ 6,434	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,434
Portland	Reticulation	MhP--T/2-MhP--T/1	1960	\$ 15,218	\$ 15,553	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,553
Portland	Reticulation	MhP--T/3-MhP--T/2	1960	\$ 17,848	\$ 18,241	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,241
Portland	Reticulation	MhP--T/4-MhP--T/3	1960	\$ 10,252	\$ 10,477	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,477
Portland	Reticulation	MhP--T/5-MhP--T/4	1960	\$ 13,518	\$ 13,816	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,816
Portland	Reticulation	MhP--T/6-MhP--T/5	1960	\$ 22,155	\$ 22,643	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,643
Portland	Reticulation	MhP--T/7-MhP--T/6	1960	\$ 19,192	\$ 19,614	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,614
Portland	Reticulation	MhP--T/8-MhP--T/7	1960	\$ 15,988	\$ 16,339	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,339
Portland	Reticulation	MhP--U/1-MhP--A/8	1960	\$ 17,460	\$ 17,844	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,844
Portland	Reticulation	MhP--U/10-MhP--U/9	1960	\$ 14,023	\$ 14,331	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,331
Portland	Reticulation	MhP--U/11-MhP--U/10	1960	\$ 5,639	\$ 5,763	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,763
Portland	Reticulation	MhP--U/12-MhP--U/11	1960	\$ 12,689	\$ 12,968	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,968
Portland	Reticulation	MhP--U/2-MhP--U/1	1960	\$ 14,680	\$ 15,003	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,003
Portland	Reticulation	MhP--U/3-MhP--U/2	1960	\$ 19,425	\$ 19,852	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,852
Portland	Reticulation	MhP--U/4-MhP--U/3	1990	\$ 17,303	\$ 17,683	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,683
Portland	Reticulation	MhP--U/5-MhP--U/4	1960	\$ 8,768	\$ 8,961	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,961
Portland	Reticulation	MhP--U/6-MhP--U/5	1960	\$ 17,573	\$ 17,960	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,960
Portland	Reticulation	MhP--U/7-MhP--U/6	1960	\$ 16,288	\$ 16,647	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,647
Portland	Reticulation	MhP--U/8-MhP--U/7	1960	\$ 7,595	\$ 7,762	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,762
Portland	Reticulation	MhP--U/9-MhP--U/8	1960	\$ 9,049	\$ 9,248	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,248
Portland	Reticulation	MhP--V/1-MhP--U/1	1960	\$ 21,203	\$ 21,669	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,669
Portland	Reticulation	MhP--V/2-MhP--V/1	1960	\$ 16,628	\$ 16,994	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,994
Portland	Reticulation	MhP--W/1-MhP--U/2	1960	\$ 16,682	\$ 17,049	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,049
Portland	Reticulation	MhP--W/2-MhP--W/1	1960	\$ 4,913	\$ 5,021	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,021
Portland	Reticulation	MhP--W/3-MhP--W/2	1960	\$ 15,350	\$ 15,688	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,688
Portland	Reticulation	MhP--W/4-MhP--W/3	1960	\$ 12,691	\$ 12,971	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,971
Portland	Reticulation	MhP--X/1-MhP--W/1	1960	\$ 13,309	\$ 13,602	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,602
Portland	Reticulation	MhP--X/2-MhP--X/1	1960	\$ 8,063	\$ 8,240	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,240
Portland	Reticulation	MhP--X/3-MhP--X/2	1960	\$ 6,573	\$ 6,718	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,718
Portland	Reticulation	MhP--Z/1-MhP--U/7	1960	\$ 8,050	\$ 8,227	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,227
Portland	Reticulation	MhP--Z/2-MhP--Z/1	1960	\$ 12,044	\$ 12,309	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,309
Portland	Submersible 25m head	Murray St-Portland	1970	\$ 164,800	\$ 168,426	\$ 168,426	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,426
Portland	Submersible 25m head	Murray St-Portland	1970	\$ 164,800	\$ 168,426	\$ 168,426	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,426
Shared all	Monitoring	Murray Street Portland	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Portland	Biological Treatment	Portland WWTP Biological Treatment	1960	\$ 37,500	\$ 38,325	\$ 38,325	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,325
Portland	Biological Treatment	Portland WWTP Biological Treatment	1960	\$ 521,615	\$ 533,091	\$ 533,091	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$533,091
Portland	Preliminary	Portland WWTP Preliminary Treatme	1960	\$ 15,000	\$ 15,330	\$ 15,330	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,330
Portland	Preliminary	Portland WWTP Preliminary Treatme	1960	\$ 37,500	\$ 38,325	\$ 38,325	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,325
Portland	Preliminary	Portland WWTP Preliminary Treatme	1960	\$ 52,500	\$ 53,655	\$ 53,655	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,655

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Table 1: Lithgow City Council Existing Sewerage Assets														
Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Portland	Clarification	Portland WWTP Primary Clarification	1960	\$ 52,500	\$ 53,655	\$ 53,655	\$ 53,655	\$0	\$0	\$0	\$0	\$0	\$0	\$53,655
Portland	Clarification	Portland WWTP Primary Clarification	1960	\$ 236,040	\$ 241,233	\$ 241,233	\$ 241,233	\$0	\$0	\$0	\$0	\$0	\$0	\$241,233
Portland	Process	Portland WWTP Process Systems E	1960	\$ 97,500	\$ 99,645	\$ 99,645	\$ 99,645	\$0	\$0	\$0	\$0	\$0	\$0	\$99,645
Portland	Process	Portland WWTP Process Systems M	1960	\$ 240,000	\$ 245,280	\$ 245,280	\$ 245,280	\$0	\$0	\$0	\$0	\$0	\$0	\$245,280
Portland	Clarification	Portland WWTP Secondary Clarification	1960	\$ 22,500	\$ 22,995	\$ 22,995	\$ 22,995	\$0	\$0	\$0	\$0	\$0	\$0	\$22,995
Portland	Clarification	Portland WWTP Secondary Clarification	1960	\$ 52,500	\$ 53,655	\$ 53,655	\$ 53,655	\$0	\$0	\$0	\$0	\$0	\$0	\$53,655
Portland	Clarification	Portland WWTP Secondary Clarification	1960	\$ 213,990	\$ 218,698	\$ 218,698	\$ 218,698	\$0	\$0	\$0	\$0	\$0	\$0	\$218,698
Portland	Siteworks	Portland WWTP Siteworks Buildings	1960	\$ 180,000	\$ 183,960	\$ 183,960	\$ 183,960	\$0	\$0	\$0	\$0	\$0	\$0	\$183,960
Portland	Siteworks	Portland WWTP Siteworks Buildings	1960	\$ 37,500	\$ 38,325	\$ 38,325	\$ 38,325	\$0	\$0	\$0	\$0	\$0	\$0	\$38,325
Portland	Siteworks	Portland WWTP Siteworks Buildings	1960	\$ 30,000	\$ 30,660	\$ 30,660	\$ 30,660	\$0	\$0	\$0	\$0	\$0	\$0	\$30,660
Portland	Siteworks	Portland WWTP Siteworks Services	1960	\$ 97,500	\$ 99,645	\$ 99,645	\$ 99,645	\$0	\$0	\$0	\$0	\$0	\$0	\$99,645
Portland	Siteworks	Portland WWTP Siteworks Services	1960	\$ 37,500	\$ 38,325	\$ 38,325	\$ 38,325	\$0	\$0	\$0	\$0	\$0	\$0	\$38,325
Portland	Siteworks	Portland WWTP Siteworks Services	1960	\$ 67,500	\$ 68,985	\$ 68,985	\$ 68,985	\$0	\$0	\$0	\$0	\$0	\$0	\$68,985
Portland	Sludge Lagoons	Portland WWTP Sludge Digestion SI	1960	\$ 18,000	\$ 18,396	\$ 18,396	\$ 18,396	\$0	\$0	\$0	\$0	\$0	\$0	\$18,396
Portland	Sludge Lagoons	Portland WWTP Sludge Digestion SI	1960	\$ 121,500	\$ 124,173	\$ 124,173	\$ 124,173	\$0	\$0	\$0	\$0	\$0	\$0	\$124,173
Portland	Sludge Lagoons	Portland WWTP Sludge Digestion SI	1960	\$ 738,462	\$ 754,708	\$ 754,708	\$ 754,708	\$0	\$0	\$0	\$0	\$0	\$0	\$754,708
Portland	Rising Mains	SPS1143-MhP--U/12	1960	\$ 25,019	\$ 25,569	\$ 25,569	\$ 25,569	\$0	\$0	\$0	\$0	\$0	\$0	\$25,569
Portland	Rising Mains	SPS447-MhP-479	1960	\$ 58,412	\$ 59,697	\$ 59,697	\$ 59,697	\$0	\$0	\$0	\$0	\$0	\$0	\$59,697
Portland	Rising Mains	SPS619-MhP-681	1960	\$ 3,649	\$ 3,730	\$ 3,730	\$ 3,730	\$0	\$0	\$0	\$0	\$0	\$0	\$3,730
Portland	Rising Mains	SPS678-MhP-CL/25	1960	\$ 5,349	\$ 5,466	\$ 5,466	\$ 5,466	\$0	\$0	\$0	\$0	\$0	\$0	\$5,466
Portland	Rising Mains	SPS694-MhP-CT/4	1960	\$ 5,662	\$ 5,787	\$ 5,787	\$ 5,787	\$0	\$0	\$0	\$0	\$0	\$0	\$5,787
Portland	Rising Mains	SPS731-MhP--B/5	1960	\$ 32,571	\$ 33,288	\$ 33,288	\$ 33,288	\$0	\$0	\$0	\$0	\$0	\$0	\$33,288
Wallerawang	Reticulation	DEW-1392-MhW-1184	2005	\$ 4,718	\$ 4,821	\$ 4,821	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,821
Wallerawang	Reticulation	DEW-226-MhW-257	1965	\$ 3,358	\$ 3,432	\$ 3,432	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$3,432
Wallerawang	Reticulation	DEW-227-MhW-246	1983	\$ 5,100	\$ 5,212	\$ 5,212	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,212
Wallerawang	Reticulation	DEW-236-MhW-1167	2005	\$ 6,072	\$ 6,205	\$ 6,205	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$6,205
Wallerawang	Reticulation	DEW-238-MhW-1241	2005	\$ 9,863	\$ 10,080	\$ 10,080	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$10,080
Wallerawang	Reticulation	DEW-239-MhW-1238	2005	\$ 12,865	\$ 13,148	\$ 13,148	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$13,148
Wallerawang	Reticulation	DEW-240-MhW-1267	2005	\$ 13,163	\$ 13,453	\$ 13,453	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$13,453
Wallerawang	Reticulation	DEW-241-MhW-1272	2005	\$ 9,473	\$ 9,682	\$ 9,682	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$9,682
Wallerawang	Reticulation	DEW-242-MhW-1279	2005	\$ 5,773	\$ 5,900	\$ 5,900	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,900
Wallerawang	Reticulation	DEW-243-MhW-1276	2005	\$ 7,265	\$ 7,425	\$ 7,425	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,425
Wallerawang	Reticulation	DEW-244-MhW-1284	2005	\$ 5,613	\$ 5,736	\$ 5,736	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,736
Wallerawang	Reticulation	DEW-245-MhW-1291	2005	\$ 7,803	\$ 7,975	\$ 7,975	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,975
Wallerawang	Reticulation	DEW-249-MhW-252	2005	\$ 4,516	\$ 4,615	\$ 4,615	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,615
Wallerawang	Reticulation	DEW-250-MhW-1286	2005	\$ 3,919	\$ 4,006	\$ 4,006	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,006
Wallerawang	Reticulation	DEW-251-MhW-1327	2005	\$ 10,083	\$ 10,305	\$ 10,305	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$10,305
Wallerawang	Reticulation	DEW-252-MhW-1327	2005	\$ 4,656	\$ 4,759	\$ 4,759	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,759
Wallerawang	Reticulation	DEW-253-MhW-1257	2005	\$ 8,252	\$ 8,433	\$ 8,433	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,433
Wallerawang	Reticulation	DEW-254-MhW-831	1965	\$ 10,662	\$ 10,896	\$ 10,896	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$10,896
Wallerawang	Reticulation	DEW-256-MhW-1295	2005	\$ 10,934	\$ 11,175	\$ 11,175	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$11,175
Wallerawang	Reticulation	DEW-257-MhW-1183	2005	\$ 3,932	\$ 4,019	\$ 4,019	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,019
Wallerawang	Reticulation	DEW-258-MhW-1176	2005	\$ 3,476	\$ 3,552	\$ 3,552	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$3,552
Wallerawang	Reticulation	DEW-259-MhW-1300	1965	\$ 19,972	\$ 20,411	\$ 20,411	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$20,411
Wallerawang	Reticulation	DEW-260-MhW-259	2005	\$ 10,131	\$ 10,354	\$ 10,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$10,354
Wallerawang	Reticulation	DEW-AB-MhW-AB/3	1965	\$ 7,400	\$ 7,563	\$ 7,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,563
Wallerawang	Reticulation	DEW-AG-MhW-AG/4	1965	\$ 4,042	\$ 4,131	\$ 4,131	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,131
Wallerawang	Reticulation	DEW-AH-MhW-AH/1	1965	\$ 6,156	\$ 6,291	\$ 6,291	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$6,291
Wallerawang	Reticulation	DEW-AK-MhW-AK/2	1965	\$ 12,513	\$ 12,788	\$ 12,788	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$12,788
Wallerawang	Reticulation	DEW-AL-MhW-AL/6	1965	\$ 5,518	\$ 5,640	\$ 5,640	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,640
Wallerawang	Reticulation	DEW-B-MhW-B/10	1965	\$ 6,332	\$ 6,471	\$ 6,471	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$6,471
Wallerawang	Reticulation	DEW-F-MhW-E/4	1965	\$ 5,511	\$ 5,632	\$ 5,632	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,632
Wallerawang	Reticulation	DEW-G-MhW-E/3	1965	\$ 4,065	\$ 4,154	\$ 4,154	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,154
Wallerawang	Reticulation	DEW-H-MhW-H/1	1965	\$ 5,488	\$ 5,608	\$ 5,608	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,608
Wallerawang	Reticulation	DEW-J-MhW-J/1	1965	\$ 7,097	\$ 7,253	\$ 7,253	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,253
Wallerawang	Reticulation	DEW-K-MhW-K/5	1965	\$ 13,625	\$ 13,924	\$ 13,924	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$13,924
Wallerawang	Reticulation	DEW-L-MhW-L/12	1965	\$ 8,441	\$ 8,626	\$ 8,626	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,626
Wallerawang	Reticulation	DEW-M-MhW-M/1	1965	\$ 444	\$ 453	\$ 453	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$453
Wallerawang	Reticulation	DEW-N-MhW-N/8	1965	\$ 11,036	\$ 11,279	\$ 11,279	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$11,279
Wallerawang	Reticulation	DEW-T-MhW-T/8	1965	\$ 12,398	\$ 12,671	\$ 12,671	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$12,671
Wallerawang	Reticulation	DEW-U-MhW-T/7	1965	\$ 7,897	\$ 8,071	\$ 8,071	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,071
Wallerawang	Reticulation	DEW-W-MhW-W/1	1965	\$ 9,139	\$ 9,340	\$ 9,340	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$9,340
Wallerawang	Submersible 25m head	Duncan St	1970	\$ 207,648	\$ 212,216	\$ 212,216	\$ 212,216	\$0	\$0	\$0	\$0	\$0	\$0	\$212,216
Wallerawang	Submersible 25m head	Duncan St	1970	\$ 224,952	\$ 229,901	\$ 229,901	\$ 229,901	\$0	\$0	\$0	\$0	\$0	\$0	\$229,901
Shared all	Monitoring	Duncan Street	2015	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Lake Wallace	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Wallerawang	Submersible 25m head	Lake Wallace	1978	\$ 207,648	\$ 212,216	\$ 212,216	\$ 212,216	\$0	\$0	\$0	\$0	\$0	\$0	\$212,216
Wallerawang	Submersible 25m head	Lake Wallace	1978	\$ 224,952	\$ 229,901	\$ 229,901	\$ 229,901	\$0	\$0	\$0	\$0	\$0	\$0	\$229,901
Shared all	Monitoring	Maddox Lane	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Wallerawang	Submersible 25m head	Maddox Lane	1970	\$ 164,800	\$ 168,426	\$ 168,426	\$ 168,426	\$0	\$0	\$0	\$0	\$0	\$0	\$168,426

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Wallerawang	Submersible 25m head	Maddox Lane	1970	\$ 164,800	\$ 168,426	\$ 168,426	\$ 168,426	\$0	\$0	\$0	\$0	\$0	\$0	\$168,426
Wallerawang	Reticulation	Mh900-Mh910	1960	\$ 15,564	\$ 15,906	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,906
Wallerawang	Reticulation	Mh910-Mh911	1960	\$ 16,299	\$ 16,658	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,658
Wallerawang	Reticulation	Mh911-Mh912	1960	\$ 15,686	\$ 16,031	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,031
Wallerawang	Reticulation	Mh912-Mh913	1960	\$ 15,915	\$ 16,265	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,265
Wallerawang	Reticulation	Mh915-Mh963	1960	\$ 21,609	\$ 22,085	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$22,085
Wallerawang	Reticulation	Mh923-Mh937	1960	\$ 11,970	\$ 12,233	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,233
Wallerawang	Reticulation	Mh930-Mh932	1960	\$ 6,860	\$ 7,011	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$7,011
Wallerawang	Reticulation	Mh931-Mh933	1960	\$ 9,580	\$ 9,791	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,791
Wallerawang	Reticulation	Mh932-Mh931	1960	\$ 6,537	\$ 6,681	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$6,681
Wallerawang	Reticulation	Mh933-Mh937	1960	\$ 12,196	\$ 12,465	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,465
Wallerawang	Reticulation	Mh940-Mh941	1960	\$ 16,522	\$ 16,885	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,885
Wallerawang	Reticulation	Mh941-Mh962	1960	\$ 15,881	\$ 16,230	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,230
Wallerawang	Reticulation	Mh942-Mh939	1960	\$ 15,862	\$ 16,211	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,211
Wallerawang	Reticulation	Mh943-Mh944	1960	\$ 15,422	\$ 15,761	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,761
Wallerawang	Reticulation	Mh944-Mh942	1960	\$ 17,539	\$ 17,925	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$17,925
Wallerawang	Reticulation	Mh945-Mh943	1960	\$ 14,433	\$ 14,750	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,750
Wallerawang	Reticulation	Mh946-Mh945	1960	\$ 14,169	\$ 14,481	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,481
Wallerawang	Reticulation	Mh947-Mh946	1960	\$ 11,271	\$ 11,519	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,519
Wallerawang	Reticulation	Mh948-Mh947	1960	\$ 13,348	\$ 13,641	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$13,641
Wallerawang	Reticulation	Mh949-Mh948	1960	\$ 11,981	\$ 12,245	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,245
Wallerawang	Reticulation	Mh950-Mh949	1960	\$ 22,137	\$ 22,624	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$22,624
Wallerawang	Reticulation	Mh951-Mh950	1960	\$ 19,512	\$ 19,941	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,941
Wallerawang	Reticulation	Mh952-Mh935	1960	\$ 2,693	\$ 2,753	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$2,753
Wallerawang	Reticulation	Mh953-Mh952	1960	\$ 9,425	\$ 9,632	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,632
Wallerawang	Reticulation	Mh954-Mh955	1960	\$ 5,538	\$ 5,660	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$5,660
Wallerawang	Reticulation	Mh954-Mh955	1960	\$ 5,538	\$ 5,660	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$5,660
Wallerawang	Reticulation	Mh955-Mh956	1960	\$ 15,071	\$ 15,403	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,403
Wallerawang	Reticulation	Mh955-Mh956	1960	\$ 15,071	\$ 15,403	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,403
Wallerawang	Reticulation	Mh956-Mh957	1960	\$ 16,033	\$ 16,386	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,386
Wallerawang	Reticulation	Mh956-Mh957	1960	\$ 16,033	\$ 16,386	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,386
Wallerawang	Reticulation	Mh957-Mh958	1960	\$ 4,054	\$ 4,143	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,143
Wallerawang	Reticulation	Mh958-Mh959	1960	\$ 4,859	\$ 4,966	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,966
Wallerawang	Reticulation	Mh959-SPS965	1960	\$ 2,466	\$ 2,520	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$2,520
Wallerawang	Reticulation	Mh960-Mh958	1960	\$ 19,516	\$ 19,945	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,945
Wallerawang	Reticulation	Mh961-Mh960	1960	\$ 19,060	\$ 19,480	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,480
Wallerawang	Reticulation	Mh962-Mh961	1960	\$ 19,496	\$ 19,925	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,925
Wallerawang	Reticulation	Mh963-SPS964	1960	\$ 3,641	\$ 3,721	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$3,721
Wallerawang	Reticulation	MhW-1151-MhW-1158	2005	\$ 2,007	\$ 2,051	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$2,051
Wallerawang	Reticulation	MhW-1152-MhW-1161	2005	\$ 17,052	\$ 17,427	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$17,427
Wallerawang	Reticulation	MhW-1153-MhW-1157	2005	\$ 7,859	\$ 8,032	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,032
Wallerawang	Reticulation	MhW-1154-MhW-1156	2005	\$ 21,132	\$ 21,597	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$21,597
Wallerawang	Reticulation	MhW-1155-MhW-1151	2005	\$ 19,648	\$ 20,080	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$20,080
Wallerawang	Reticulation	MhW-1156-MhW-1155	2005	\$ 4,781	\$ 4,886	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,886
Wallerawang	Reticulation	MhW-1157-MhW-1156	2005	\$ 8,402	\$ 8,587	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,587
Wallerawang	Reticulation	MhW-1158-MhW-AE/8	1965	\$ 18,488	\$ 18,894	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$18,894
Wallerawang	Reticulation	MhW-1159-MhW-1158	2005	\$ 11,304	\$ 11,553	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,553
Wallerawang	Reticulation	MhW-1160-MhW-1159	2005	\$ 10,458	\$ 10,688	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$10,688
Wallerawang	Reticulation	MhW-1161-MhW-1158	2005	\$ 18,799	\$ 19,212	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,212
Wallerawang	Reticulation	MhW-1162-MhW-1164	2005	\$ 14,979	\$ 15,308	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,308
Wallerawang	Reticulation	MhW-1163-MhW-1162	2005	\$ 4,519	\$ 4,618	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,618
Wallerawang	Reticulation	MhW-1164-MhW-1165	2005	\$ 10,812	\$ 11,050	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,050
Wallerawang	Reticulation	MhW-1165-MhW-1169	2005	\$ 9,491	\$ 9,700	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,700
Wallerawang	Reticulation	MhW-1166-MhW-AH/1a	2005	\$ 13,898	\$ 14,203	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,203
Wallerawang	Reticulation	MhW-1167-MhW-1154	2005	\$ 1,788	\$ 1,827	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$1,827
Wallerawang	Reticulation	MhW-1168-MhW-1154	2005	\$ 8,425	\$ 8,611	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,611
Wallerawang	Reticulation	MhW-1169-MhW-1168	2005	\$ 3,040	\$ 3,106	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$3,106
Wallerawang	Reticulation	MhW-1170-MhW-1168	2005	\$ 4,641	\$ 4,743	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,743
Wallerawang	Reticulation	MhW-1171-MhW-1170	2005	\$ 13,770	\$ 14,073	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,073
Wallerawang	Reticulation	MhW-1172-MhW-1165	2005	\$ 23,929	\$ 24,456	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$24,456
Wallerawang	Reticulation	MhW-1173-MhW-1164	2005	\$ 28,494	\$ 29,121	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$29,121
Wallerawang	Reticulation	MhW-1174-MhW-1163	2005	\$ 23,338	\$ 23,851	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$23,851
Wallerawang	Reticulation	MhW-1175-MhW-1172	2005	\$ 16,748	\$ 17,117	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$17,117
Wallerawang	Reticulation	MhW-1176-MhW-1177	2005	\$ 3,731	\$ 3,813	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$3,813
Wallerawang	Reticulation	MhW-1177-MhW-1174	2005	\$ 13,459	\$ 13,755	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$13,755
Wallerawang	Reticulation	MhW-1178-MhW-1177	2005	\$ 918	\$ 938	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$938
Wallerawang	Reticulation	MhW-1179-MhW-1178	2005	\$ 6,885	\$ 7,036	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$7,036
Wallerawang	Reticulation	MhW-1180-MhW-1171	2005	\$ 26,948	\$ 27,541	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$27,541
Wallerawang	Reticulation	MhW-1181-MhW-1173	2005	\$ 23,748	\$ 24,271	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$24,271
Wallerawang	Reticulation	MhW-1182-MhW-1296	2005	\$ 2,769	\$ 2,830	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$2,830

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Wallerawang	Reticulation	MhW-1183-MhW-1181	2005	\$ 19,798	\$ 20,234	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,234
Wallerawang	Reticulation	MhW-1184-MhW-1185	2005	\$ 9,537	\$ 9,747	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,747
Wallerawang	Reticulation	MhW-1185-MhW-1187	2005	\$ 7,686	\$ 7,855	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,855
Wallerawang	Reticulation	MhW-1186-MhW-1185	2005	\$ 6,107	\$ 6,242	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,242
Wallerawang	Reticulation	MhW-1187-MhW-1188	2005	\$ 8,951	\$ 9,147	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,147
Wallerawang	Reticulation	MhW-1188-MhW-1189	2005	\$ 8,945	\$ 9,142	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,142
Wallerawang	Reticulation	MhW-1189-MhW-1179	2005	\$ 12,543	\$ 12,819	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,819
Wallerawang	Reticulation	MhW-1190-MhW-1186	2005	\$ 20,665	\$ 21,120	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,120
Wallerawang	Reticulation	MhW-1191-MhW-1188	2005	\$ 29,998	\$ 30,658	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,658
Wallerawang	Reticulation	MhW-1192-MhW-1191	2005	\$ 9,088	\$ 9,288	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,288
Wallerawang	Reticulation	MhW-1193-MhW-1192	2005	\$ 23,113	\$ 23,622	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,622
Wallerawang	Reticulation	MhW-1194-MhW-1193	2005	\$ 22,024	\$ 22,509	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,509
Wallerawang	Reticulation	MhW-1195-MhW-1194	2005	\$ 5,174	\$ 5,288	\$ -	\$0	\$0	\$0	\$0	\$5,288	\$0	\$0	\$5,288
Wallerawang	Reticulation	MhW-1231-MhW-L/5	2005	\$ 17,116	\$ 17,492	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,492
Wallerawang	Reticulation	MhW-1232-MhW-1231	2005	\$ 21,558	\$ 22,032	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,032
Wallerawang	Reticulation	MhW-1233-MhW-1232	2005	\$ 20,846	\$ 21,305	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,305
Wallerawang	Reticulation	MhW-1237-MhW-1239	2005	\$ 11,205	\$ 11,451	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,451
Wallerawang	Reticulation	MhW-1238-MhW-1237	2005	\$ 3,596	\$ 3,675	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,675
Wallerawang	Reticulation	MhW-1239-MhW-1240	2005	\$ 9,320	\$ 9,525	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,525
Wallerawang	Reticulation	MhW-1240-MhW-1242	2005	\$ 13,293	\$ 13,586	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,586
Wallerawang	Reticulation	MhW-1241-MhW-1240	2005	\$ 14,719	\$ 15,042	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,042
Wallerawang	Reticulation	MhW-1242-MhW-1243	2005	\$ 17,592	\$ 17,979	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,979
Wallerawang	Reticulation	MhW-1243-MhW-1245	2005	\$ 10,532	\$ 10,763	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,763
Wallerawang	Reticulation	MhW-1244-MhW-1243	2005	\$ 8,744	\$ 8,936	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,936
Wallerawang	Reticulation	MhW-1245-MhW-1246	2005	\$ 13,245	\$ 13,536	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,536
Wallerawang	Reticulation	MhW-1246-MhW-1247	2005	\$ 17,246	\$ 17,625	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,625
Wallerawang	Reticulation	MhW-1247-MhW-1248	2005	\$ 28,790	\$ 29,423	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,423
Wallerawang	Reticulation	MhW-1248-MhW-1249	2005	\$ 25,128	\$ 25,681	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,681
Wallerawang	Reticulation	MhW-1249-MhW--A/21	2005	\$ 26,551	\$ 27,135	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,135
Wallerawang	Reticulation	MhW-1251-MhW--C/1	2005	\$ 4,496	\$ 4,595	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,595
Wallerawang	Reticulation	MhW-1252-MhW-1251	2005	\$ 12,232	\$ 12,501	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,501
Wallerawang	Reticulation	MhW-1253-MhW-1252	2005	\$ 28,749	\$ 29,381	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,381
Wallerawang	Reticulation	MhW-1254-MhW-1255	2005	\$ 7,382	\$ 7,545	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,545
Wallerawang	Reticulation	MhW-1255-MhW-1260	2005	\$ 9,088	\$ 9,267	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,267
Wallerawang	Reticulation	MhW-1256-MhW-251	1983	\$ 8,629	\$ 8,819	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,819
Wallerawang	Reticulation	MhW-1257-MhW-258	2005	\$ 13,836	\$ 14,141	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,141
Wallerawang	Reticulation	MhW-1258-MhW-1259	2005	\$ 14,736	\$ 15,061	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,061
Wallerawang	Reticulation	MhW-1259-MhW-1253	2005	\$ 17,312	\$ 17,693	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,693
Wallerawang	Reticulation	MhW-1260-MhW-1259	2005	\$ 23,085	\$ 23,593	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,593
Wallerawang	Reticulation	MhW-1261-MhW-1262	2005	\$ 21,884	\$ 22,366	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,366
Wallerawang	Reticulation	MhW-1262-MhW-1263	2005	\$ 13,066	\$ 13,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,354
Wallerawang	Reticulation	MhW-1263-MhW-1264	2005	\$ 6,286	\$ 6,424	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,424
Wallerawang	Reticulation	MhW-1264-MhW-1267	2005	\$ 15,700	\$ 16,046	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,046
Wallerawang	Reticulation	MhW-1266-SPS1265	2005	\$ 6,061	\$ 6,195	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,195
Wallerawang	Reticulation	MhW-1267-MhW-1266	2005	\$ 14,790	\$ 15,115	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,115
Wallerawang	Reticulation	MhW-1268-MhW-1263	2005	\$ 14,099	\$ 14,409	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,409
Wallerawang	Reticulation	MhW-1269-MhW-1268	2005	\$ 11,406	\$ 11,657	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,657
Wallerawang	Reticulation	MhW-1270-MhW-1263	2005	\$ 27,785	\$ 28,396	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,396
Wallerawang	Reticulation	MhW-1271-MhW-1270	2005	\$ 7,296	\$ 7,456	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,456
Wallerawang	Reticulation	MhW-1272-MhW-1270	2005	\$ 15,157	\$ 15,491	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,491
Wallerawang	Reticulation	MhW-1273-MhW-1272	2005	\$ 18,312	\$ 18,714	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,714
Wallerawang	Reticulation	MhW-1274-MhW-1271	2005	\$ 6,732	\$ 6,880	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,880
Wallerawang	Reticulation	MhW-1275-MhW-1274	2005	\$ 8,441	\$ 8,626	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,626
Wallerawang	Reticulation	MhW-1276-MhW-1275	2005	\$ 8,168	\$ 8,347	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,347
Wallerawang	Reticulation	MhW-1277-MhW-1276	2005	\$ 6,740	\$ 6,888	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,888
Wallerawang	Reticulation	MhW-1278-MhW-1277	2005	\$ 12,725	\$ 13,004	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,004
Wallerawang	Reticulation	MhW-1279-MhW-1280	2005	\$ 17,794	\$ 18,185	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,185
Wallerawang	Reticulation	MhW-1280-MhW-1269	2005	\$ 9,754	\$ 9,968	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,968
Wallerawang	Reticulation	MhW-1281-MhW-1279	2005	\$ 9,050	\$ 9,249	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,249
Wallerawang	Reticulation	MhW-1282-MhW-1281	2005	\$ 12,243	\$ 12,512	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,512
Wallerawang	Reticulation	MhW-1283-MhW-1269	2005	\$ 16,106	\$ 16,460	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,460
Wallerawang	Reticulation	MhW-1284-MhW-1285	2005	\$ 6,100	\$ 6,234	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,234
Wallerawang	Reticulation	MhW-1285-MhW-1283	2005	\$ 9,432	\$ 9,640	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,640
Wallerawang	Reticulation	MhW-1286-MhW-1283	2005	\$ 10,205	\$ 10,430	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,430
Wallerawang	Reticulation	MhW-1287-MhW-1286	2005	\$ 7,892	\$ 8,066	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,066
Wallerawang	Reticulation	MhW-1288-MhW-1287	2005	\$ 8,084	\$ 8,261	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,261
Wallerawang	Reticulation	MhW-1289-MhW-1288	2005	\$ 13,395	\$ 13,690	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,690
Wallerawang	Reticulation	MhW-1290-MhW-1289	2005	\$ 3,499	\$ 3,576	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,576
Wallerawang	Reticulation	MhW-1291-MhW-1290	2005	\$ 3,833	\$ 3,917	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,917
Wallerawang	Reticulation	MhW-1292-MhW--V/12	2005	\$ 16,524	\$ 16,888	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,888

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Wallerawang	Reticulation	MhW-1293-MhW-1292	2005	\$ 11,238	\$ 11,485	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,485
Wallerawang	Reticulation	MhW-1294-MhW-1293	2005	\$ 12,615	\$ 12,892	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,892
Wallerawang	Reticulation	MhW-1295-MhW-1294	2005	\$ 13,206	\$ 13,497	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,497
Wallerawang	Reticulation	MhW-1296-MhW-1180	2005	\$ 30,791	\$ 31,469	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,469
Wallerawang	Reticulation	MhW-1297-MhW-1296	2005	\$ 10,486	\$ 10,716	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,716
Wallerawang	Reticulation	MhW-1298-MhW-1297	2005	\$ 11,985	\$ 12,249	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,249
Wallerawang	Reticulation	MhW-1299-MhW-1156	2005	\$ 22,137	\$ 22,624	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,624
Wallerawang	Reticulation	MhW-1300-MhW-AF1	1965	\$ 7,512	\$ 7,678	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,678
Wallerawang	Reticulation	MhW-1301-MhW-1161	2005	\$ 6,543	\$ 6,687	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,687
Wallerawang	Reticulation	MhW-1302-MhW-1303	2005	\$ 4,294	\$ 4,389	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,389
Wallerawang	Reticulation	MhW-1303-MhW-1157	2005	\$ 7,941	\$ 8,115	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,115
Wallerawang	Reticulation	MhW-1304-MhW-1305	2005	\$ 7,349	\$ 7,511	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,511
Wallerawang	Reticulation	MhW-1305-MhW-1168	2005	\$ 2,749	\$ 2,809	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,809
Wallerawang	Reticulation	MhW-1306-MhW-1302	2005	\$ 80,631	\$ 82,405	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,405
Wallerawang	Reticulation	MhW-1307-MhW-1306	2005	\$ 38,602	\$ 39,451	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,451
Wallerawang	Reticulation	MhW-1326-MhW-259	2005	\$ 12,630	\$ 12,908	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,908
Wallerawang	Reticulation	MhW-1327-MhW-1258	2005	\$ 10,572	\$ 10,805	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,805
Wallerawang	Reticulation	MhW-236-MhW-237	1965	\$ 13,380	\$ 13,674	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,674
Wallerawang	Reticulation	MhW-237-MhW-A/32	1965	\$ 3,256	\$ 3,328	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,328
Wallerawang	Reticulation	MhW-238-MhW-236	1965	\$ 17,164	\$ 17,542	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,542
Wallerawang	Reticulation	MhW-239-MhW-237	1965	\$ 11,251	\$ 11,498	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,498
Wallerawang	Reticulation	MhW-241-MhW-236	1965	\$ 14,997	\$ 15,326	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,326
Wallerawang	Reticulation	MhW-242-MhW-241	1965	\$ 11,557	\$ 11,811	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,811
Wallerawang	Reticulation	MhW-243-MhW-242	1965	\$ 14,173	\$ 14,485	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,485
Wallerawang	Reticulation	MhW-244-MhW-243	1965	\$ 15,320	\$ 15,657	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,657
Wallerawang	Reticulation	MhW-246-MhW-247	1983	\$ 16,065	\$ 16,418	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,418
Wallerawang	Reticulation	MhW-247-MhW-248	1983	\$ 13,515	\$ 13,812	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,812
Wallerawang	Reticulation	MhW-248-MhW-249	1983	\$ 15,683	\$ 16,028	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,028
Wallerawang	Reticulation	MhW-249-MhW-1261	1983	\$ 9,851	\$ 10,067	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,067
Wallerawang	Reticulation	MhW-250-MhW-248	1983	\$ 4,616	\$ 4,717	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,717
Wallerawang	Reticulation	MhW-251-MhW-250	1983	\$ 15,657	\$ 16,001	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,001
Wallerawang	Reticulation	MhW-252-MhW-253	1983	\$ 14,216	\$ 14,529	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,529
Wallerawang	Reticulation	MhW-253-MhW-254	1983	\$ 14,563	\$ 14,883	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,883
Wallerawang	Reticulation	MhW-254-MhW-255	1983	\$ 14,787	\$ 15,113	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,113
Wallerawang	Reticulation	MhW-255-MhW-258	1983	\$ 16,754	\$ 17,122	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,122
Wallerawang	Reticulation	MhW-256-MhW-255	1983	\$ 18,360	\$ 18,764	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,764
Wallerawang	Reticulation	MhW-257-MhW-256	1983	\$ 11,625	\$ 11,881	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,881
Wallerawang	Reticulation	MhW-258-MhW-1253	2005	\$ 23,519	\$ 24,036	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,036
Wallerawang	Reticulation	MhW-259-MhW-1254	2005	\$ 20,171	\$ 20,614	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,614
Wallerawang	Rising Mains	MhW-762-SPS763	1965	\$ 983	\$ 1,005	\$ 1,005	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,005
Wallerawang	Rising Mains	MhW-764-MhW-793	1965	\$ 19,781	\$ 20,216	\$ 20,216	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,216
Wallerawang	Reticulation	MhW-783-MhW-784	1965	\$ 24,345	\$ 24,880	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,880
Wallerawang	Reticulation	MhW-784-MhW-B/3	1960	\$ 6,691	\$ 6,838	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,838
Wallerawang	Rising Mains	MhW-790-TP WANG	2005	\$ 145,784	\$ 148,991	\$ 148,991	\$148,991	\$0	\$0	\$148,991	\$0	\$0	\$0	\$0
Wallerawang	Rising Mains	MhW-791-MhW-790	2005	\$ 24,593	\$ 25,134	\$ 25,134	\$25,134	\$0	\$0	\$25,134	\$0	\$0	\$0	\$0
Wallerawang	Rising Mains	MhW-792-MhW-791	1965	\$ 23,020	\$ 23,527	\$ 23,527	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,527
Wallerawang	Rising Mains	MhW-793-MhW-792	1965	\$ 17,740	\$ 18,130	\$ 18,130	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,130
Wallerawang	Reticulation	MhW-831-MhW-A/21	2005	\$ 19,464	\$ 19,892	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,892
Wallerawang	Reticulation	MhW-A/1-MhW-762	1965	\$ 2,853	\$ 2,916	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,916
Wallerawang	Reticulation	MhW-A/10-MhW-A/9	1965	\$ 20,635	\$ 21,089	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,089
Wallerawang	Reticulation	MhW-A/11-MhW-A/10	1965	\$ 15,621	\$ 15,965	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,965
Wallerawang	Reticulation	MhW-A/12-MhW-A/11	1965	\$ 15,476	\$ 15,816	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,816
Wallerawang	Reticulation	MhW-A/13-MhW-A/12	1965	\$ 15,700	\$ 16,046	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,046
Wallerawang	Reticulation	MhW-A/14-MhW-A/13	1965	\$ 20,737	\$ 21,193	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,193
Wallerawang	Reticulation	MhW-A/15-MhW-A/14	1965	\$ 20,635	\$ 21,089	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,089
Wallerawang	Reticulation	MhW-A/16-MhW-A/15	1965	\$ 12,281	\$ 12,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,551
Wallerawang	Reticulation	MhW-A/17-MhW-A/16	1965	\$ 11,883	\$ 12,144	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,144
Wallerawang	Reticulation	MhW-A/18-MhW-A/17	1965	\$ 16,998	\$ 17,372	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,372
Wallerawang	Reticulation	MhW-A/19-MhW-A/18	1965	\$ 17,286	\$ 17,667	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,667
Wallerawang	Reticulation	MhW-A/2-MhW-A/1	1965	\$ 8,976	\$ 9,173	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,173
Wallerawang	Reticulation	MhW-A/20-MhW-A/19	1965	\$ 20,566	\$ 21,018	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,018
Wallerawang	Reticulation	MhW-A/21-MhW-A/20	1965	\$ 20,675	\$ 21,130	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,130
Wallerawang	Reticulation	MhW-A/22-MhW-A/21	1965	\$ 15,522	\$ 15,863	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,863
Wallerawang	Reticulation	MhW-A/23-MhW-A/22	1965	\$ 15,241	\$ 15,577	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,577
Wallerawang	Reticulation	MhW-A/24-MhW-A/23	1965	\$ 15,405	\$ 15,743	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,743
Wallerawang	Reticulation	MhW-A/25-MhW-A/24	1965	\$ 13,166	\$ 13,455	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,455
Wallerawang	Reticulation	MhW-A/26-MhW-A/25	1965	\$ 13,245	\$ 13,536	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,536
Wallerawang	Reticulation	MhW-A/27-MhW-A/26	1965	\$ 20,596	\$ 21,049	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,049
Wallerawang	Reticulation	MhW-A/28-MhW-A/27	1965	\$ 20,489	\$ 20,940	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,940
Wallerawang	Reticulation	MhW-A/29-MhW-A/28	1965	\$ 13,905	\$ 14,211	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,211

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Wallerawang	Reticulation	MhW--A/29A--MhW--A/29	1965	\$ 1,997	\$ 2,041	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,041
Wallerawang	Reticulation	MhW--A/3--MhW--A/2	1965	\$ 8,976	\$ 9,173	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,173
Wallerawang	Reticulation	MhW--A/30--MhW--A/29A	1965	\$ 8,084	\$ 8,261	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,261
Wallerawang	Reticulation	MhW--A/31--MhW--A/30	1965	\$ 20,186	\$ 20,630	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,630
Wallerawang	Reticulation	MhW--A/32--MhW--A/31	1965	\$ 14,581	\$ 14,902	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,902
Wallerawang	Reticulation	MhW--A/33--MhW--A/32	1965	\$ 13,678	\$ 13,979	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,979
Wallerawang	Reticulation	MhW--A/34--MhW--A/33	1965	\$ 19,944	\$ 20,382	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,382
Wallerawang	Reticulation	MhW--A/35--MhW--A/34	1965	\$ 20,543	\$ 20,995	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,995
Wallerawang	Reticulation	MhW--A/4--MhW--A/3	1965	\$ 14,209	\$ 14,521	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,521
Wallerawang	Reticulation	MhW--A/5--MhW--A/4	1965	\$ 12,350	\$ 12,621	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,621
Wallerawang	Reticulation	MhW--A/6--MhW--A/5	1965	\$ 12,281	\$ 12,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,551
Wallerawang	Reticulation	MhW--A/7--MhW--A/6	1965	\$ 18,709	\$ 19,121	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,121
Wallerawang	Reticulation	MhW--A/8--MhW--A/7	1965	\$ 8,736	\$ 8,928	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,928
Wallerawang	Reticulation	MhW--A/9--MhW--A/8	1965	\$ 20,479	\$ 20,930	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,930
Wallerawang	Reticulation	MhW--A/1--MhW--V/7	1965	\$ 18,175	\$ 18,574	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,574
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 18,592	\$ 19,001	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,001
Wallerawang	Reticulation	MhW--A/3--MhW--V/5	1965	\$ 12,429	\$ 12,702	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,702
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 11,799	\$ 12,058	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,058
Wallerawang	Reticulation	MhW--A/3--MhW--A/2	1965	\$ 14,186	\$ 14,498	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,498
Wallerawang	Reticulation	MhW--A/1--MhW--V/1	1965	\$ 11,146	\$ 11,391	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,391
Wallerawang	Reticulation	MhW--A/1--MhW--A/22	1965	\$ 16,221	\$ 16,577	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,577
Wallerawang	Reticulation	MhW--A/2--MhW--A/21	1965	\$ 20,247	\$ 20,692	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,692
Wallerawang	Reticulation	MhW--A/3--MhW--A/2	1965	\$ 20,668	\$ 21,122	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,122
Wallerawang	Reticulation	MhW--A/4--MhW--A/3	1965	\$ 20,357	\$ 20,804	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,804
Wallerawang	Reticulation	MhW--A/5--MhW--A/4	1965	\$ 19,059	\$ 19,478	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,478
Wallerawang	Reticulation	MhW--A/6--MhW--A/5	1965	\$ 5,393	\$ 5,512	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,512
Wallerawang	Reticulation	MhW--A/1--SPS1313	1965	\$ 1,165	\$ 1,191	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,191
Wallerawang	Reticulation	MhW--A/10--MhW--A/9	1965	\$ 20,426	\$ 20,875	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,875
Wallerawang	Reticulation	MhW--A/11--MhW--A/10	1965	\$ 18,220	\$ 18,621	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,621
Wallerawang	Reticulation	MhW--A/12--MhW--A/11	1965	\$ 9,157	\$ 9,359	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,359
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 5,564	\$ 5,687	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,687
Wallerawang	Reticulation	MhW--A/3--MhW--A/2	1965	\$ 5,906	\$ 6,036	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,036
Wallerawang	Reticulation	MhW--A/4--MhW--A/3	1965	\$ 8,798	\$ 8,991	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,991
Wallerawang	Reticulation	MhW--A/5--MhW--A/4	1965	\$ 5,924	\$ 6,054	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,054
Wallerawang	Reticulation	MhW--A/6--MhW--A/5	1965	\$ 14,479	\$ 14,797	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,797
Wallerawang	Reticulation	MhW--A/7--MhW--A/6	1965	\$ 2,892	\$ 2,955	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,955
Wallerawang	Reticulation	MhW--A/8--MhW--A/7	1965	\$ 19,253	\$ 19,676	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,676
Wallerawang	Reticulation	MhW--A/9--MhW--A/8	1965	\$ 20,535	\$ 20,987	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,987
Wallerawang	Reticulation	MhW--A/1--MhW--A/10	1965	\$ 10,881	\$ 11,120	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,120
Wallerawang	Reticulation	MhW--A/1--MhW--A/6	1965	\$ 18,847	\$ 19,262	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,262
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 18,847	\$ 19,262	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,262
Wallerawang	Reticulation	MhW--A/3--MhW--A/2	1965	\$ 20,714	\$ 21,169	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,169
Wallerawang	Reticulation	MhW--A/4--MhW--A/3	1965	\$ 20,316	\$ 20,763	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,763
Wallerawang	Reticulation	MhW--A/1--MhW--A/1a	1965	\$ 3,698	\$ 3,779	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,779
Wallerawang	Reticulation	MhW--A/1a--MhW--A/2	1965	\$ 19,469	\$ 19,898	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,898
Wallerawang	Reticulation	MhW--A/1--MhW--A/4	1965	\$ 20,675	\$ 21,130	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,130
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 20,193	\$ 20,638	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,638
Wallerawang	Reticulation	MhW--A/1--MhW--A/3	1965	\$ 10,019	\$ 10,239	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,239
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 6,125	\$ 6,260	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,260
Wallerawang	Reticulation	MhW--A/1--MhW--A/1	1965	\$ 15,621	\$ 15,965	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,965
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 18,266	\$ 18,667	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,667
Wallerawang	Reticulation	MhW--A/3--MhW--A/2	1965	\$ 6,015	\$ 6,148	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,148
Wallerawang	Reticulation	MhW--A/4--MhW--A/3	1965	\$ 20,596	\$ 21,049	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,049
Wallerawang	Reticulation	MhW--A/5--MhW--A/4	1965	\$ 20,505	\$ 20,956	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,956
Wallerawang	Reticulation	MhW--A/6--MhW--A/5	1965	\$ 20,596	\$ 21,049	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,049
Wallerawang	Reticulation	MhW--A/1--MhW--B/4	1965	\$ 21,739	\$ 22,217	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,217
Wallerawang	Reticulation	MhW--A/2--MhW--A/1	1965	\$ 17,488	\$ 17,873	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,873
Wallerawang	Reticulation	MhW--A/1--MhW--A/33	1965	\$ 14,729	\$ 15,053	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,053
Wallerawang	Reticulation	MhW--B/1--MhW--A/1	1965	\$ 9,810	\$ 10,026	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,026
Wallerawang	Reticulation	MhW--B/10--MhW--B/9	1965	\$ 16,108	\$ 16,463	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,463
Wallerawang	Reticulation	MhW--B/2--MhW--B/1	1965	\$ 20,232	\$ 20,677	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,677
Wallerawang	Reticulation	MhW--B/3--MhW--B/2	1965	\$ 20,464	\$ 20,914	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,914
Wallerawang	Reticulation	MhW--B/4--MhW--B/3	1965	\$ 15,879	\$ 16,228	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,228
Wallerawang	Reticulation	MhW--B/5--MhW--B/4	1965	\$ 21,910	\$ 22,392	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,392
Wallerawang	Reticulation	MhW--B/6--MhW--B/5	1965	\$ 20,418	\$ 20,867	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,867
Wallerawang	Reticulation	MhW--B/7--MhW--B/6	1965	\$ 20,589	\$ 21,042	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,042
Wallerawang	Reticulation	MhW--B/8--MhW--B/7	1965	\$ 20,364	\$ 20,812	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,812
Wallerawang	Reticulation	MhW--B/9--MhW--B/8	1965	\$ 6,217	\$ 6,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,354
Wallerawang	Reticulation	MhW--C/1--MhW--A/8	1965	\$ 19,982	\$ 20,421	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,421
Wallerawang	Reticulation	MhW--C/1--MhW--A/8	1965	\$ 26,772	\$ 27,361	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,361

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Wallerawang	Reticulation	MhW--C/2--MhW--C/1	1965	\$ 12,668	\$ 12,947	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,947
	Reticulation	MhW--C/3--MhW--C/2	1965	\$ 14,721	\$ 15,045	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,045
	Reticulation	MhW--C/4--MhW--C/3	1965	\$ 14,879	\$ 15,207	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,207
	Reticulation	MhW--C/5--MhW--C/4	1965	\$ 15,305	\$ 15,642	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,642
	Reticulation	MhW--C/6--MhW--C/5	1965	\$ 20,224	\$ 20,669	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,669
Wallerawang	Reticulation	MhW--D/1--MhW--C/2	1965	\$ 20,171	\$ 20,614	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,614
Wallerawang	Reticulation	MhW--D/2--MhW--D/1	1965	\$ 10,679	\$ 10,914	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,914
Wallerawang	Reticulation	MhW--D/3--MhW--D/2	1965	\$ 19,579	\$ 20,010	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,010
Wallerawang	Reticulation	MhW--E/1--MhW--A/13	1965	\$ 13,556	\$ 13,854	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,854
Wallerawang	Reticulation	MhW--E/2--MhW--E/1	1965	\$ 20,767	\$ 21,224	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,224
Wallerawang	Reticulation	MhW--E/3--MhW--E/2	1965	\$ 16,284	\$ 16,643	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,643
Wallerawang	Reticulation	MhW--E/4--MhW--E/3	1965	\$ 9,545	\$ 9,755	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,755
Wallerawang	Reticulation	MhW--E/5--MhW--E/4	1965	\$ 15,777	\$ 16,124	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,124
Wallerawang	Reticulation	MhW--H/1--MhW--E/1	1965	\$ 19,416	\$ 19,843	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,843
Wallerawang	Reticulation	MhW--J/1--MhW--A/15	1965	\$ 12,770	\$ 13,051	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,051
Wallerawang	Reticulation	MhW--K/1--MhW--A/16	1965	\$ 9,124	\$ 9,325	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,325
Wallerawang	Reticulation	MhW--K/2--MhW--K/1	1965	\$ 12,171	\$ 12,439	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,439
Wallerawang	Reticulation	MhW--K/3--MhW--K/2	1965	\$ 7,268	\$ 7,427	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,427
Wallerawang	Reticulation	MhW--K/4--MhW--K/3	1965	\$ 12,311	\$ 12,582	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,582
Wallerawang	Reticulation	MhW--K/5--MhW--K/4	1965	\$ 11,169	\$ 11,415	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,415
Wallerawang	Reticulation	MhW--L/1--MhW--A/17	1965	\$ 7,579	\$ 7,745	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,745
Wallerawang	Reticulation	MhW--L/10--MhW--L/9	1965	\$ 17,223	\$ 17,602	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,602
Wallerawang	Reticulation	MhW--L/11--MhW--L/10	1965	\$ 18,972	\$ 19,389	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,389
Wallerawang	Reticulation	MhW--L/12--MhW--L/11	1965	\$ 9,328	\$ 9,533	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,533
Wallerawang	Reticulation	MhW--L/2--MhW--L/1	1965	\$ 20,448	\$ 20,898	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,898
Wallerawang	Reticulation	MhW--L/3--MhW--L/2	1965	\$ 19,370	\$ 19,796	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,796
Wallerawang	Reticulation	MhW--L/4--MhW--L/3	1965	\$ 11,590	\$ 11,845	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,845
Wallerawang	Reticulation	MhW--L/5--MhW--L/4	1965	\$ 19,408	\$ 19,835	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,835
Wallerawang	Reticulation	MhW--L/6--MhW--L/5	1965	\$ 16,338	\$ 16,697	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,697
Wallerawang	Reticulation	MhW--L/7--MhW--L/6	1965	\$ 20,520	\$ 20,971	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,971
Wallerawang	Reticulation	MhW--L/8--MhW--L/7	1965	\$ 7,928	\$ 8,102	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,102
Wallerawang	Reticulation	MhW--L/9--MhW--L/8	1965	\$ 20,923	\$ 21,383	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,383
Wallerawang	Reticulation	MhW--M/1--MhW--L/5	1965	\$ 13,385	\$ 13,679	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,679
Wallerawang	Reticulation	MhW--N/1--MhW--L/3	1965	\$ 12,554	\$ 12,830	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,830
Wallerawang	Reticulation	MhW--N/2--MhW--N/1	1965	\$ 11,503	\$ 11,756	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,756
Wallerawang	Reticulation	MhW--N/3--MhW--N/2	1965	\$ 13,089	\$ 13,377	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,377
Wallerawang	Reticulation	MhW--N/4--MhW--N/3	1965	\$ 12,895	\$ 13,179	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,179
Wallerawang	Reticulation	MhW--N/5--MhW--N/4	1965	\$ 14,520	\$ 14,839	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,839
Wallerawang	Reticulation	MhW--N/6--MhW--N/5	1965	\$ 13,882	\$ 14,188	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,188
Wallerawang	Reticulation	MhW--N/7--MhW--N/6	1965	\$ 20,520	\$ 20,971	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,971
Wallerawang	Reticulation	MhW--N/8--MhW--N/7	1965	\$ 14,456	\$ 14,774	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,774
Wallerawang	Reticulation	MhW--P/1--MhW--N/1	1965	\$ 4,733	\$ 4,837	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,837
Wallerawang	Reticulation	MhW--P/2--MhW--P/1	1965	\$ 7,788	\$ 7,959	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,959
Wallerawang	Reticulation	MhW--P/3--MhW--P/2	1965	\$ 18,459	\$ 18,866	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,866
Wallerawang	Reticulation	MhW--P/4--MhW--P/3	1965	\$ 17,067	\$ 17,443	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,443
Wallerawang	Reticulation	MhW--P/5--MhW--P/4	1965	\$ 3,218	\$ 3,289	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,289
Wallerawang	Reticulation	MhW--P/6--MhW--P/5	1965	\$ 20,441	\$ 20,890	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,890
Wallerawang	Reticulation	MhW--P/7--MhW--P/6	1965	\$ 20,627	\$ 21,081	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,081
Wallerawang	Reticulation	MhW--R/1--MhW--P/1	1965	\$ 20,627	\$ 21,081	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,081
Wallerawang	Reticulation	MhW--R/2--MhW--R/1	1965	\$ 13,352	\$ 13,646	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,646
Wallerawang	Reticulation	MhW--S/2--MhW--N/1	1965	\$ 12,645	\$ 12,924	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,924
Wallerawang	Reticulation	MhW--S/3--MhW--S/2	1965	\$ 12,584	\$ 12,861	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,861
Wallerawang	Reticulation	MhW--T/1--MhW--L/3	1965	\$ 2,899	\$ 2,963	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,963
Wallerawang	Reticulation	MhW--T/2--MhW--T/1	1965	\$ 2,247	\$ 2,296	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,296
Wallerawang	Reticulation	MhW--T/3--MhW--T/2	1965	\$ 6,793	\$ 6,943	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,943
Wallerawang	Reticulation	MhW--T/4--MhW--T/3	1965	\$ 14,114	\$ 14,425	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,425
Wallerawang	Reticulation	MhW--T/5--MhW--T/4	1965	\$ 20,930	\$ 21,391	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,391
Wallerawang	Reticulation	MhW--T/6--MhW--T/5	1965	\$ 20,403	\$ 20,851	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,851
Wallerawang	Reticulation	MhW--T/7--MhW--T/6	1965	\$ 20,675	\$ 21,130	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,130
Wallerawang	Reticulation	MhW--T/8--MhW--T/7	1965	\$ 20,627	\$ 21,081	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,081
Wallerawang	Reticulation	MhW--V/1--MhW--A/21	1965	\$ 17,876	\$ 18,269	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,269
Wallerawang	Reticulation	MhW--V/10--MhW--V/9	1965	\$ 14,589	\$ 14,909	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,909
Wallerawang	Reticulation	MhW--V/11--MhW--V/10	1965	\$ 6,630	\$ 6,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,776
Wallerawang	Reticulation	MhW--V/12--MhW--V/11	1965	\$ 15,545	\$ 15,887	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,887
Wallerawang	Reticulation	MhW--V/13--MhW--V/12	1965	\$ 18,788	\$ 19,202	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,202
Wallerawang	Reticulation	MhW--V/14--MhW--V/13	1965	\$ 19,275	\$ 19,700	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,700
Wallerawang	Reticulation	MhW--V/15--MhW--V/14	1965	\$ 18,763	\$ 19,176	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,176
Wallerawang	Reticulation	MhW--V/2--MhW--V/1	1965	\$ 7,563	\$ 7,730	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,730
Wallerawang	Reticulation	MhW--V/3--MhW--V/2	1965	\$ 10,027	\$ 10,247	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,247
Wallerawang	Reticulation	MhW--V/4--MhW--V/3	1965	\$ 12,281	\$ 12,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,551

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Wallerawang	Reticulation	MhW--V/5-MhW--V/4	1965	\$ 13,484	\$ 13,781	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,781
Wallerawang	Reticulation	MhW--V/6-MhW--V/5	1965	\$ 11,013	\$ 11,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,256
Wallerawang	Reticulation	MhW--V/7-MhW--V/6	1965	\$ 8,820	\$ 9,014	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,014
Wallerawang	Reticulation	MhW--V/8-MhW--V/7	1965	\$ 19,859	\$ 20,296	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,296
Wallerawang	Reticulation	MhW--V/9-MhW--V/8	1965	\$ 17,978	\$ 18,373	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,373
Wallerawang	Reticulation	MhW--W/1-MhW--V/12	1965	\$ 14,285	\$ 14,599	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,599
Wallerawang	Reticulation	MhW--X/1-MhW--V/11	1965	\$ 20,301	\$ 20,747	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,747
Wallerawang	Reticulation	MhW--X/2-MhW--X/1	1965	\$ 20,193	\$ 20,638	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,638
Wallerawang	Reticulation	MhW--X/3-MhW--X/2	1965	\$ 18,031	\$ 18,428	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,428
Wallerawang	Reticulation	MhW--X/4-MhW--X/3	1965	\$ 6,592	\$ 6,737	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,737
Wallerawang	Reticulation	MhW--Y/1-MhW--V/9	1965	\$ 19,610	\$ 20,041	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,041
Wallerawang	Reticulation	MhW--Y/2-MhW--Y/1	1965	\$ 19,408	\$ 19,835	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,835
Wallerawang	Reticulation	MhW--Z/1-MhW--V/8	1965	\$ 17,666	\$ 18,055	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,055
Wallerawang	Reticulation	MhW--Z/2-MhW--Z/1	1965	\$ 17,674	\$ 18,063	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,063
Wallerawang	Reticulation	MhW--Z/3-MhW--Z/2	1965	\$ 17,238	\$ 17,617	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,617
Wallerawang	Reticulation	MhW--Z/4-MhW--Z/3	1965	\$ 19,648	\$ 20,080	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,080
Wallerawang	Submersible 25m head	Portland Rd	1965	\$ 230,267	\$ 235,333	\$ 235,333	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$235,333
Wallerawang	Submersible 25m head	Portland Rd	1965	\$ 270,313	\$ 276,260	\$ 276,260	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$276,260
Shared all	Monitoring	Portland Road	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Pump Station 1	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Wallerawang	Submersible 25m head	Pump Station 1	1980	\$ 292,005	\$ 298,429	\$ 298,429	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$298,429
Wallerawang	Submersible 25m head	Pump Station 1	1964	\$ 403,245	\$ 412,116	\$ 412,116	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$412,116
Wallerawang	Rising Mains	SPS1265-MhW--K/2	2005	\$ 73,074	\$ 74,681	\$ 74,681	\$74,681	\$0	\$0	\$74,681	\$0	\$0	\$0	\$0
Wallerawang	Rising Mains	SPS1313-MhW--B/9	2005	\$ 45,942	\$ 46,953	\$ 46,953	\$46,953	\$0	\$0	\$46,953	\$0	\$0	\$0	\$0
Wallerawang	Reticulation	SPS1328-MhW--AN/1	1965	\$ 18,115	\$ 18,514	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,514
Wallerawang	Rising Mains	SPS3001-MhW--K/2	2005	\$ 143,690	\$ 146,851	\$ 146,851	\$146,851	\$0	\$0	\$146,851	\$0	\$0	\$0	\$0
Wallerawang	Rising Mains	SPS3002-SPS3001	2005	\$ 20,699	\$ 21,155	\$ 21,155	\$21,155	\$0	\$0	\$21,155	\$0	\$0	\$0	\$0
Wallerawang	Rising Mains	SPS763-MhW-764	1965	\$ 2,860	\$ 2,923	\$ 2,923	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,923
Wallerawang	Rising Mains	SPS965-MhW-762	2005	\$ 174,778	\$ 178,623	\$ 178,623	\$178,623	\$0	\$0	\$178,623	\$0	\$0	\$0	\$0
Shared all	Monitoring	Stadium	2003	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Wallerawang	Submersible 25m head	Stadium	2003	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$0	\$0	\$168,426	\$0	\$0	\$0	\$0
Wallerawang	Submersible 25m head	Stadium	2003	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$0	\$0	\$168,426	\$0	\$0	\$0	\$0
Shared all	Monitoring	Wallerawang School	1998	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Wallerawang	Submersible 25m head	Wallerawang School	1998	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$0	\$0	\$168,426	\$0	\$0	\$0	\$0
Wallerawang	Submersible 25m head	Wallerawang School	1998	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$0	\$0	\$168,426	\$0	\$0	\$0	\$0
Wallerawang	Chemical Dosing	Wallerawang WWTP Chemical Dosing	2012	\$ 122,590	\$ 125,287	\$ 125,287	\$125,287	\$0	\$0	\$125,287	\$0	\$0	\$0	\$0
Wallerawang	Chemical Dosing	Wallerawang WWTP Chemical Dosing	2012	\$ 204,750	\$ 209,255	\$ 209,255	\$209,255	\$0	\$0	\$209,255	\$0	\$0	\$0	\$0
Wallerawang	Chemical Dosing	Wallerawang WWTP Chemical Dosing	2012	\$ 420,550	\$ 429,802	\$ 429,802	\$429,802	\$0	\$0	\$429,802	\$0	\$0	\$0	\$0
Wallerawang	Disinfection	Wallerawang WWTP Disinfection UV	2012	\$ 9,360	\$ 9,566	\$ 9,566	\$9,566	\$0	\$0	\$9,566	\$0	\$0	\$0	\$0
Wallerawang	Disinfection	Wallerawang WWTP Disinfection UV	2012	\$ 65,000	\$ 66,430	\$ 66,430	\$66,430	\$0	\$0	\$66,430	\$0	\$0	\$0	\$0
Wallerawang	Disinfection	Wallerawang WWTP Disinfection UV	2012	\$ 91,000	\$ 93,002	\$ 93,002	\$93,002	\$0	\$0	\$93,002	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Reuse	2012	\$ 174,655	\$ 178,497	\$ 178,497	\$178,497	\$0	\$0	\$178,497	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Reuse	2012	\$ 9,750	\$ 9,965	\$ 9,965	\$9,965	\$0	\$0	\$9,965	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Reuse	2012	\$ 20,800	\$ 21,258	\$ 21,258	\$21,258	\$0	\$0	\$21,258	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Reuse	2012	\$ 23,400	\$ 23,915	\$ 23,915	\$23,915	\$0	\$0	\$23,915	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Reuse	2012	\$ 5,850	\$ 5,979	\$ 5,979	\$5,979	\$0	\$0	\$5,979	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Reuse	2012	\$ 28,600	\$ 29,229	\$ 29,229	\$29,229	\$0	\$0	\$29,229	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Storage	2012	\$ 32,500	\$ 33,215	\$ 33,215	\$33,215	\$0	\$0	\$33,215	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Storage	2012	\$ 32,500	\$ 33,215	\$ 33,215	\$33,215	\$0	\$0	\$33,215	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Storage	2012	\$ 570,375	\$ 582,923	\$ 582,923	\$582,923	\$0	\$0	\$582,923	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Transfer	2012	\$ 9,750	\$ 9,965	\$ 9,965	\$9,965	\$0	\$0	\$9,965	\$0	\$0	\$0	\$0
Wallerawang	Effluent Reuse	Wallerawang WWTP Effluent Transfer	2012	\$ 52,000	\$ 53,144	\$ 53,144	\$53,144	\$0	\$0	\$53,144	\$0	\$0	\$0	\$0
Wallerawang	Aeration Tank Single Stream	Wallerawang WWTP IDEAT Process	2012	\$ 182,000	\$ 186,004	\$ 186,004	\$186,004	\$0	\$0	\$186,004	\$0	\$0	\$0	\$0
Wallerawang	Aeration Tank Single Stream	Wallerawang WWTP IDEAT Process	2012	\$ 409,500	\$ 418,509	\$ 418,509	\$418,509	\$0	\$0	\$418,509	\$0	\$0	\$0	\$0
Wallerawang	Preliminary	Wallerawang WWTP Preliminary Treatment	2012	\$ 1,133,546	\$ 1,158,484	\$ 1,158,484	\$1,158,484	\$0	\$0	\$1,158,484	\$0	\$0	\$0	\$0
Wallerawang	Preliminary	Wallerawang WWTP Preliminary Treatment	2012	\$ 84,500	\$ 86,359	\$ 86,359	\$86,359	\$0	\$0	\$86,359	\$0	\$0	\$0	\$0
Wallerawang	Preliminary	Wallerawang WWTP Preliminary Treatment	2012	\$ 205,563	\$ 210,085	\$ 210,085	\$210,085	\$0	\$0	\$210,085	\$0	\$0	\$0	\$0
Wallerawang	Preliminary	Wallerawang WWTP Preliminary Treatment	2012	\$ 247,000	\$ 252,434	\$ 252,434	\$252,434	\$0	\$0	\$252,434	\$0	\$0	\$0	\$0
Wallerawang	Process	Wallerawang WWTP Process	2012	\$ 110,500	\$ 112,931	\$ 112,931	\$112,931	\$0	\$0	\$112,931	\$0	\$0	\$0	\$0
Wallerawang	Process	Wallerawang WWTP Process	2012	\$ 377,000	\$ 385,294	\$ 385,294	\$385,294	\$0	\$0	\$385,294	\$0	\$0	\$0	\$0
Wallerawang	Process	Wallerawang WWTP Process	2012	\$ 826,800	\$ 844,990	\$ 844,990	\$844,990	\$0	\$0	\$844,990	\$0	\$0	\$0	\$0
Wallerawang	Siteworks	Wallerawang WWTP Siteworks Build	2012	\$ 433,160	\$ 442,690	\$ 442,690	\$442,690	\$0	\$0	\$442,690	\$0	\$0	\$0	\$0
Wallerawang	Siteworks	Wallerawang WWTP Siteworks Build	2012	\$ 84,500	\$ 86,359	\$ 86,359	\$86,359	\$0	\$0	\$86,359	\$0	\$0	\$0	\$0
Wallerawang	Siteworks	Wallerawang WWTP Siteworks Build	2012	\$ 91,000	\$ 93,002	\$ 93,002	\$93,002	\$0	\$0	\$93,002	\$0	\$0	\$0	\$0
Wallerawang	Siteworks	Wallerawang WWTP Siteworks Serv	2012	\$ 631,800	\$ 645,700	\$ 645,700	\$645,700	\$0	\$0	\$645,700	\$0	\$0	\$0	\$0
Wallerawang	Siteworks	Wallerawang WWTP Siteworks Serv	2012	\$ 75,400	\$ 77,059	\$ 77,059	\$77,059	\$0	\$0	\$77,059	\$0	\$0	\$0	\$0
Wallerawang	Siteworks	Wallerawang WWTP Siteworks Serv	2012	\$ 116,350	\$ 118,910	\$ 118,910	\$118,910	\$0	\$0	\$118,910	\$0	\$0	\$0	\$0
Wallerawang	Sludge Lagoons	Wallerawang WWTP Sludge Treatment	2012	\$ 58,500	\$ 59,787	\$ 59,787	\$59,787	\$0	\$0	\$59,787	\$0	\$0	\$0	\$0
Wallerawang	Sludge Lagoons	Wallerawang WWTP Sludge Treatment	2012	\$ 188,500	\$ 192,647	\$ 192,647	\$192,647	\$0	\$0	\$192,647	\$0	\$0	\$0	\$0
Wallerawang	Sludge Lagoons	Wallerawang WWTP Sludge Treatment	2012	\$ 561,600	\$ 573,955	\$ 573,955	\$573,955	\$0	\$0	\$573,955	\$0	\$0	\$0	\$0

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Wallerawang	Supernatant Recovery	Wallerawang WWTP Supernatant R4	2012	\$ 28,600	\$ 29,229	\$ 29,229	\$29,229	\$0	\$0	\$29,229	\$0	\$0	\$0	\$0
Wallerawang	Supernatant Recovery	Wallerawang WWTP Supernatant R4	2012	\$ 51,350	\$ 52,480	\$ 52,480	\$52,480	\$0	\$0	\$52,480	\$0	\$0	\$0	\$0
Wallerawang	Supernatant Recovery	Wallerawang WWTP Supernatant R4	2012	\$ 84,500	\$ 86,359	\$ 86,359	\$86,359	\$0	\$0	\$86,359	\$0	\$0	\$0	\$0
Shared all	Monitoring	Pump Station 2	1997	\$ -	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Shared all	Monitoring	Pump Station 3	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Farmers Creek	1998	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Hutchinson Street	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Magpie Hollow	2000	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Methven Street	2004	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Prison	2015	\$ -	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Shared all	Monitoring	State Mine	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Windarra Place	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Prison	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Pump Station 2	2004	\$ 6,570	\$ 6,715	\$ 6,715	\$ 6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
Lithgow	Submersible 25m head	Farmers Creek	1986	\$ 181,692	\$ 185,689	\$ 185,689	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$185,689
Lithgow	Submersible 25m head	Farmers Creek	1986	\$ 189,108	\$ 193,268	\$ 193,268	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$193,268
Lithgow	Submersible 25m head	Hutchinson St	1994	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$168,426	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Hutchinson St	1994	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$168,426	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Magpie Hollow	2000	\$ 194,361	\$ 198,637	\$ 198,637	\$198,637	\$198,637	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Magpie Hollow	2000	\$ 186,739	\$ 190,847	\$ 190,847	\$190,847	\$190,847	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Methven	1982	\$ 267,388	\$ 273,271	\$ 273,271	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$273,271
Lithgow	Submersible 25m head	Methven	1982	\$ 340,312	\$ 347,799	\$ 347,799	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$347,799
Lithgow	Submersible 50m head	Prison	1992	\$ 626,240	\$ 640,017	\$ 640,017	\$640,017	\$640,017	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 50m head	Prison	1992	\$ 352,260	\$ 360,010	\$ 360,010	\$360,010	\$360,010	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Pump Station 2	1975	\$ 430,870	\$ 440,349	\$ 440,349	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$440,349
Lithgow	Submersible 25m head	Pump Station 2	1975	\$ 765,990	\$ 782,842	\$ 782,842	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$782,842
Lithgow	Submersible 25m head	Pump Station 3	1976	\$ 337,840	\$ 345,272	\$ 345,272	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$345,272
Lithgow	Submersible 25m head	Pump Station 3	1976	\$ 486,160	\$ 496,856	\$ 496,856	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$496,856
Lithgow	Submersible 25m head	State Mine	1996	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$168,426	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	State Mine	1996	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$168,426	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Windarra Place	1998	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$168,426	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Windarra Place	1998	\$ 164,800	\$ 168,426	\$ 168,426	\$168,426	\$168,426	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	Hospital Pump Station Upgrade	2016	\$ -	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 25m head	South Littleton Pump Station Upgrade	2016	\$ -	\$ -	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Submersible 50m head	Sewer Pump Buttriss Place	2017	\$ 13,141	\$ 13,430	\$ 13,430	\$13,430	\$13,430	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	DE1-Mh3/12C	1970	\$ 6,233	\$ 6,370	\$ 6,370	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,370
Lithgow	Reticulation	DE102-Mh5/102	1912	\$ 22,777	\$ 23,278	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,278
Lithgow	Reticulation	DE104-Mh1341	2004	\$ 2,715	\$ 2,775	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,775
Lithgow	Reticulation	DE105-Mh1348	2004	\$ 6,094	\$ 6,228	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,228
Lithgow	Reticulation	DE106-Mh1330	2004	\$ 6,413	\$ 6,554	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,554
Lithgow	Reticulation	DE107-Mh1338	2004	\$ 4,164	\$ 4,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,256
Lithgow	Reticulation	DE109-Mh3/27z	1942	\$ 3,811	\$ 3,895	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,895
Lithgow	Reticulation	DE112-Mh2/1	1954	\$ 16,700	\$ 17,068	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,068
Lithgow	Reticulation	DE113-Mh63	1980	\$ 5,367	\$ 5,485	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,485
Lithgow	Reticulation	DE114-Mh2067	1980	\$ 6,570	\$ 6,714	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,714
Lithgow	Reticulation	DE115-Mh2062	1980	\$ 6,841	\$ 6,992	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,992
Lithgow	Reticulation	DE116-Mh2063	1980	\$ 5,181	\$ 5,295	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,295
Lithgow	Reticulation	DE117-Mh2058	1980	\$ 11,958	\$ 12,221	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,221
Lithgow	Reticulation	DE118-Mh2069	1980	\$ 24,300	\$ 24,835	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,835
Lithgow	Reticulation	DE119-Mh2070	1980	\$ 7,828	\$ 8,001	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,001
Lithgow	Reticulation	DE120-Mh1046	1940	\$ 7,196	\$ 7,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,354
Lithgow	Reticulation	DE123-Mh3/9a	1910	\$ 20,784	\$ 21,241	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,241
Lithgow	Reticulation	DE124-Mh3/6AD	1910	\$ 8,964	\$ 9,161	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,161
Lithgow	Reticulation	DE125-Mh5/46	1912	\$ 8,765	\$ 8,958	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,958
Lithgow	Reticulation	DE126-Mh3/6G	1910	\$ 5,885	\$ 6,015	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,015
Lithgow	Reticulation	DE127-Mh3/6U	1910	\$ 10,745	\$ 10,981	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,981
Lithgow	Reticulation	DE128-Mh5/144	1930	\$ 7,957	\$ 8,132	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,132
Lithgow	Reticulation	DE129-Mh5/75	1912	\$ 13,853	\$ 14,158	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,158
Lithgow	Reticulation	DE13-Mh180	1940	\$ 10,336	\$ 10,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,563
Lithgow	Reticulation	DE130-Mh5/75	1912	\$ 4,744	\$ 4,849	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,849
Lithgow	Reticulation	DE131-Mh5/108	1912	\$ 16,199	\$ 16,546	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,546
Lithgow	Reticulation	DE132-Mh5/118	1912	\$ 24,740	\$ 25,284	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,284
Lithgow	Reticulation	DE133-Mh5/78	1912	\$ 7,280	\$ 7,440	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,440
Lithgow	Reticulation	DE134-Mh52	1930	\$ 3,570	\$ 3,649	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,649
Lithgow	Reticulation	DE135-Mh5/131	1912	\$ 7,380	\$ 7,543	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,543
Lithgow	Reticulation	DE136-Mh5/115	1912	\$ 5,468	\$ 5,588	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,588
Lithgow	Reticulation	DE137-Mh5/117	1912	\$ 11,823	\$ 12,083	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,083
Lithgow	Reticulation	DE138-Mh5/114	1912	\$ 7,606	\$ 7,774	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,774
Lithgow	Reticulation	DE139-Mh5/104	1912	\$ 43,333	\$ 44,286	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$44,286
Lithgow	Reticulation	DE1393-Mh9/80	1980	\$ 11,849	\$ 12,110	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,110

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	DE1394~Mh9/92	1970	\$ 19,485	\$ 19,914	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,914
Lithgow	Reticulation	DE1395~Mh6/38	1940	\$ 35,519	\$ 36,301	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,301
Lithgow	Reticulation	DE14~Mh181	1940	\$ 10,798	\$ 11,036	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,036
Lithgow	Reticulation	DE140~Mh5/120	1912	\$ 5,766	\$ 5,893	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,893
Lithgow	Reticulation	DE141~Mh5/88	1912	\$ 7,660	\$ 7,829	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,829
Lithgow	Reticulation	DE142~Mh1374	1885	\$ 11,539	\$ 11,793	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,793
Lithgow	Reticulation	DE143~Mh1373	1885	\$ 18,356	\$ 18,760	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,760
Lithgow	Reticulation	DE145~Mh5/80	1912	\$ 10,285	\$ 10,511	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,511
Lithgow	Reticulation	DE146~Mh6/65	1912	\$ 9,004	\$ 9,202	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,202
Lithgow	Reticulation	DE147~Mh5/116	1912	\$ 2,496	\$ 2,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,551
Lithgow	Reticulation	DE148~Mh983	1930	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	DE149~Mh6/46	1940	\$ 2,750	\$ 2,811	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,811
Lithgow	Reticulation	DE150~Mh6/31	1885	\$ 2,770	\$ 2,831	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,831
Lithgow	Reticulation	DE151~Mh1036	1940	\$ 6,032	\$ 6,165	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,165
Lithgow	Reticulation	DE152~Mh6/59	1885	\$ 12,604	\$ 12,881	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,881
Lithgow	Reticulation	DE153~Mh7/84	1905	\$ 6,115	\$ 6,249	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,249
Lithgow	Reticulation	DE154~Mh7/91	1905	\$ 15,971	\$ 16,322	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,322
Lithgow	Reticulation	DE155~Mh7/89	1905	\$ 4,190	\$ 4,282	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,282
Lithgow	Reticulation	DE156~Mh7/83	1905	\$ 9,969	\$ 10,189	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,189
Lithgow	Reticulation	DE157~Mh7/31	1940	\$ 18,837	\$ 19,252	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,252
Lithgow	Reticulation	DE158~Mh9/31	1940	\$ 4,088	\$ 4,157	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,157
Lithgow	Reticulation	DE159~J3	1885	\$ 32,802	\$ 33,524	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,524
Lithgow	Reticulation	DE16~Mh2003	1942	\$ 10,338	\$ 10,566	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,566
Lithgow	Reticulation	DE160~J2	1885	\$ 18,868	\$ 19,283	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,283
Lithgow	Reticulation	DE161~Mh7/27	1885	\$ 34,820	\$ 35,586	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$35,586
Lithgow	Reticulation	DE162~Mh7/23	1885	\$ 13,805	\$ 14,109	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,109
Lithgow	Reticulation	DE163~Mh9/49	1970	\$ 11,382	\$ 11,633	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,633
Lithgow	Reticulation	DE164~Mh9/47	1970	\$ 13,291	\$ 13,583	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,583
Lithgow	Reticulation	DE165~Mh9/46	1970	\$ 13,993	\$ 14,301	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,301
Lithgow	Reticulation	DE166~Mh9/107	1970	\$ 7,294	\$ 7,454	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,454
Lithgow	Reticulation	DE167~Mh9/103	1890	\$ 5,832	\$ 5,960	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,960
Lithgow	Reticulation	DE168~Mh9/103	1890	\$ 9,688	\$ 9,901	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,901
Lithgow	Reticulation	DE169~Mh9/99	2003	\$ 10,457	\$ 10,687	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,687
Lithgow	Reticulation	DE17~Mh2007	1942	\$ 9,015	\$ 9,213	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,213
Lithgow	Reticulation	DE170~Mh9/96	2003	\$ 8,208	\$ 8,388	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,388
Lithgow	Reticulation	DE171~Mh9/116	1970	\$ 9,842	\$ 10,059	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,059
Lithgow	Reticulation	DE172~Mh11/37	1960	\$ 7,883	\$ 8,056	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,056
Lithgow	Reticulation	DE173~Mh11/30	1960	\$ 5,592	\$ 5,715	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,715
Lithgow	Reticulation	DE174~Mh11/46	1890	\$ 6,479	\$ 6,621	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,621
Lithgow	Reticulation	DE175~Mh89	1905	\$ 11,648	\$ 11,904	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,904
Lithgow	Reticulation	DE176~Mh2041	1930	\$ 20,952	\$ 21,413	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,413
Lithgow	Reticulation	DE177~Mh11/83	1940	\$ 1,271	\$ 1,299	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,299
Lithgow	Reticulation	DE178~Mh2094	1930	\$ 24,812	\$ 25,358	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,358
Lithgow	Reticulation	DE179~Mh2097	1930	\$ 6,514	\$ 6,658	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,658
Lithgow	Reticulation	DE18~Mh2006	1942	\$ 3,306	\$ 3,379	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,379
Lithgow	Reticulation	DE180~Mh1/63	1930	\$ 11,548	\$ 11,802	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,802
Lithgow	Reticulation	DE181~Mh10/34	1930	\$ 2,124	\$ 2,171	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,171
Lithgow	Reticulation	DE182~Mh10/39	1930	\$ 13,558	\$ 13,857	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,857
Lithgow	Reticulation	DE183~Mh2126	1890	\$ 17,099	\$ 17,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,475
Lithgow	Reticulation	DE184~J5	1890	\$ 22,708	\$ 23,207	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,207
Lithgow	Reticulation	DE185~Mh2125	1890	\$ 20,342	\$ 20,790	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,790
Lithgow	Reticulation	DE186~Mh96a	1890	\$ 15,873	\$ 16,222	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,222
Lithgow	Reticulation	DE187~Mh2127	1890	\$ 4,342	\$ 4,438	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,438
Lithgow	Reticulation	DE188~Mh2136	1890	\$ 4,463	\$ 4,562	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,562
Lithgow	Reticulation	DE189~Mh9/80	1980	\$ 7,872	\$ 8,045	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,045
Lithgow	Reticulation	DE19~Mh2005	1942	\$ 8,556	\$ 8,745	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,745
Lithgow	Reticulation	DE190~Mh9/81	1980	\$ 7,649	\$ 7,817	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,817
Lithgow	Reticulation	DE191~Mh2143	1996	\$ 7,200	\$ 7,359	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,359
Lithgow	Reticulation	DE192~Mh2139	1890	\$ 4,176	\$ 4,268	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,268
Lithgow	Reticulation	DE193~Mh2118	1940	\$ 1,803	\$ 1,843	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,843
Lithgow	Reticulation	DE194~Mh2100	1940	\$ 9,164	\$ 9,365	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,365
Lithgow	Reticulation	DE195~Mh2046	1940	\$ 4,965	\$ 5,074	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,074
Lithgow	Reticulation	DE196~Mh10/12	1940	\$ 4,082	\$ 4,172	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,172
Lithgow	Reticulation	DE197~Mh10/30	1940	\$ 16,287	\$ 16,645	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,645
Lithgow	Reticulation	DE198~Mh10/30	1940	\$ 10,609	\$ 10,842	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,842
Lithgow	Reticulation	DE199~Mh1/86	1940	\$ 6,907	\$ 7,059	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,059
Lithgow	Reticulation	DE20~Mh24	1942	\$ 8,490	\$ 8,677	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,677
Lithgow	Reticulation	DE200~Mh11/72	1890	\$ 4,771	\$ 4,876	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,876
Lithgow	Reticulation	DE201~Mh8-4/2809	1994	\$ 10,943	\$ 11,184	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,184
Lithgow	Reticulation	DE202~Mh9/30	1885	\$ 4,920	\$ 5,029	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,029

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	DE203-Mh11/49b	1890	\$ 34,179	\$ 34,931	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,931
Lithgow	Reticulation	DE204-Mh2114	1890	\$ 16,707	\$ 17,075	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,075
Lithgow	Reticulation	DE205-Mh96c	1890	\$ 18,846	\$ 19,261	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,261
Lithgow	Reticulation	DE206-Mh8/31b	1930	\$ 7,801	\$ 7,972	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,972
Lithgow	Reticulation	DE207-Mh2095	1930	\$ 6,973	\$ 7,127	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,127
Lithgow	Reticulation	DE208-Mh11/49h	1890	\$ 6,266	\$ 6,404	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,404
Lithgow	Reticulation	DE209-Mh11/45	1890	\$ 5,200	\$ 5,315	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,315
Lithgow	Reticulation	DE21-Mh2008	1942	\$ 7,261	\$ 7,421	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,421
Lithgow	Reticulation	DE210-Mh2148	1996	\$ 2,039	\$ 2,084	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,084
Lithgow	Reticulation	DE211-Mh1012	1990	\$ 10,126	\$ 10,348	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,348
Lithgow	Reticulation	DE212-Mh1024	1990	\$ 5,873	\$ 6,002	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,002
Lithgow	Reticulation	DE213-Mh997	1990	\$ 8,930	\$ 9,127	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,127
Lithgow	Reticulation	DE214-Mh1006	1990	\$ 18,539	\$ 18,946	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,946
Lithgow	Reticulation	DE215-Mh1007	1990	\$ 14,592	\$ 14,913	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,913
Lithgow	Reticulation	DE216-Mh1011	1990	\$ 16,020	\$ 16,373	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,373
Lithgow	Reticulation	DE217-Mh1031	1990	\$ 11,816	\$ 12,076	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,076
Lithgow	Reticulation	DE218-MhA7a	2001	\$ 3,872	\$ 3,957	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,957
Lithgow	Reticulation	DE219-MhB2	2001	\$ 7,608	\$ 7,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,776
Lithgow	Reticulation	DE22-Mh2010	1942	\$ 5,853	\$ 5,982	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,982
Lithgow	Reticulation	DE220-MhA6a	2001	\$ 2,416	\$ 2,469	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,469
Lithgow	Reticulation	DE221-Mh1029	1990	\$ 15,554	\$ 15,896	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,896
Lithgow	Reticulation	DE222-Mh4/15	1930	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	DE223-Mh2057	1905	\$ 8,602	\$ 8,791	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,791
Lithgow	Reticulation	DE23-Mh39	1942	\$ 7,509	\$ 7,674	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,674
Lithgow	Reticulation	DE24-Mh42	1942	\$ 10,903	\$ 11,143	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,143
Lithgow	Reticulation	DE25-Mh43	1942	\$ 6,777	\$ 6,926	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,926
Lithgow	Reticulation	DE26-Mh34	1942	\$ 13,958	\$ 14,265	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,265
Lithgow	Reticulation	DE27-Mh36	1942	\$ 8,977	\$ 9,175	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,175
Lithgow	Reticulation	DE28-Mh3/27AU	1942	\$ 11,134	\$ 11,379	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,379
Lithgow	Reticulation	DE29-Mh3/23BQ	1915	\$ 14,066	\$ 14,376	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,376
Lithgow	Reticulation	DE3-Mh2/159	1975	\$ 15,906	\$ 16,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,256
Lithgow	Reticulation	DE30-Mh3/23BK	1915	\$ 8,992	\$ 9,190	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,190
Lithgow	Reticulation	DE300-Mh2300	1980	\$ 21,185	\$ 21,651	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,651
Lithgow	Reticulation	DE301-Mh2301	1980	\$ 11,346	\$ 11,596	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,596
Lithgow	Reticulation	DE31-Mh3/27AL	1915	\$ 6,589	\$ 6,734	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,734
Lithgow	Reticulation	DE32-Mh3/23BF	1915	\$ 10,417	\$ 10,647	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,647
Lithgow	Reticulation	DE33-Mh3/23AZ	1915	\$ 16,722	\$ 17,090	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,090
Lithgow	Reticulation	DE34-Mh3/27U	1915	\$ 15,109	\$ 15,441	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,441
Lithgow	Reticulation	DE35-Mh3/27U	1915	\$ 9,464	\$ 9,672	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,672
Lithgow	Reticulation	DE36-Mh3/27R	1915	\$ 14,749	\$ 15,073	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,073
Lithgow	Reticulation	DE37-Mh3/27R	1915	\$ 9,226	\$ 9,429	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,429
Lithgow	Reticulation	DE38-Mh3/27P	1915	\$ 4,693	\$ 4,796	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,796
Lithgow	Reticulation	DE39-Mh3/27N	1915	\$ 3,450	\$ 3,526	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,526
Lithgow	Reticulation	DE40-Mh3/26M	1915	\$ 4,844	\$ 4,950	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,950
Lithgow	Reticulation	DE41-Mh3/26Y	1915	\$ 10,943	\$ 11,184	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,184
Lithgow	Reticulation	DE42-Mh3/26W	1915	\$ 7,521	\$ 7,687	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,687
Lithgow	Reticulation	DE43-Mh3/26U	1915	\$ 3,285	\$ 3,357	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,357
Lithgow	Reticulation	DE44-Mh3/26O	1915	\$ 12,338	\$ 12,609	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,609
Lithgow	Reticulation	DE45-Mh3/26R	1915	\$ 4,870	\$ 4,977	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,977
Lithgow	Reticulation	DE46-Mh3/26Y	1915	\$ 21,965	\$ 22,448	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,448
Lithgow	Reticulation	DE47-Mh3/26I	1915	\$ 13,743	\$ 14,045	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,045
Lithgow	Reticulation	DE48-Mh3/26G	1915	\$ 10,318	\$ 10,545	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,545
Lithgow	Reticulation	DE49-Mh3/27AI	1915	\$ 9,517	\$ 9,726	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,726
Lithgow	Reticulation	DE50-Mh3/27E	1915	\$ 4,145	\$ 4,236	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,236
Lithgow	Reticulation	DE52-Mh3/27X	1915	\$ 11,022	\$ 11,265	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,265
Lithgow	Reticulation	DE53-Mh3/23AZ	1915	\$ 11,035	\$ 11,277	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,277
Lithgow	Reticulation	DE54-Mh3/23AW	1915	\$ 12,068	\$ 12,333	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,333
Lithgow	Reticulation	DE55-Mh3/23AE	1915	\$ 15,428	\$ 15,767	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,767
Lithgow	Reticulation	DE56-Mh3/23C	1970	\$ 7,843	\$ 8,015	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,015
Lithgow	Reticulation	DE57-Mh3/21D	1970	\$ 16,012	\$ 16,364	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,364
Lithgow	Reticulation	DE58-Mh3/17G	1970	\$ 5,574	\$ 5,696	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,696
Lithgow	Reticulation	DE59-Mh3/17D	1970	\$ 17,878	\$ 18,272	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,272
Lithgow	Reticulation	DE6-Mh2/160	1975	\$ 6,882	\$ 7,033	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,033
Lithgow	Reticulation	DE61-Mh2/207	1975	\$ 5,390	\$ 5,509	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,509
Lithgow	Reticulation	DE62-Mh3/6AB	1910	\$ 16,802	\$ 17,172	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,172
Lithgow	Reticulation	DE63-Mh3/10C	1910	\$ 15,761	\$ 16,108	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,108
Lithgow	Reticulation	DE64-Mh3/6O	1970	\$ 9,017	\$ 9,215	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,215
Lithgow	Reticulation	DE65-Mh3/15B	1970	\$ 8,288	\$ 8,470	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,470
Lithgow	Reticulation	DE66-Mh3/15D	1970	\$ 7,728	\$ 7,898	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,898
Lithgow	Reticulation	DE67-Mh5/101	1912	\$ 7,165	\$ 7,323	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,323

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	DE68-Mh5/101	1912	\$ 13,689	\$ 13,991	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,991
Lithgow	Reticulation	DE75-Mh3/8A	1910	\$ 18,475	\$ 18,881	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,881
Lithgow	Reticulation	DE82-Mh3/23E	1970	\$ 16,600	\$ 16,965	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,965
Lithgow	Reticulation	DE83-Mh3/23BS	1915	\$ 8,969	\$ 9,166	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,166
Lithgow	Reticulation	DE84-Mh3/27AS	1942	\$ 16,010	\$ 16,362	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,362
Lithgow	Reticulation	DE85-Mh1040	1942	\$ 7,506	\$ 7,671	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,671
Lithgow	Reticulation	DE86-Mh1038	1940	\$ 13,532	\$ 13,830	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,830
Lithgow	Reticulation	DE87-Mh991	1940	\$ 8,218	\$ 8,399	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,399
Lithgow	Reticulation	DE88-Mh35	1940	\$ 1,381	\$ 1,411	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,411
Lithgow	Reticulation	DE89-Mh1040	1940	\$ 8,521	\$ 8,709	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,709
Lithgow	Reticulation	DE94-Mh3/17G	1940	\$ 6,928	\$ 7,081	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,081
Lithgow	Reticulation	DE95-Mh3/27d	1940	\$ 20,555	\$ 21,007	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,007
Lithgow	Reticulation	DE96-Mh3/6R	1940	\$ 4,583	\$ 4,684	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,684
Lithgow	Reticulation	DE97-Mh3/27AE	1940	\$ 12,551	\$ 12,827	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,827
Lithgow	Reticulation	DE98-Mh3/27AE	1940	\$ 21,089	\$ 21,553	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,553
Lithgow	Reticulation	DE99-Mh3/152b	1910	\$ 6,661	\$ 6,807	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,807
Lithgow	Reticulation	DEP/A13-MhP/A12	2006	\$ 9,249	\$ 9,452	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,452
Lithgow	Reticulation	DEP/B3-MhP/B2	2006	\$ 11,567	\$ 11,821	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,821
Lithgow	Reticulation	J2-Mh7/26	1885	\$ 14,052	\$ 14,361	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,361
Lithgow	Reticulation	J3-Mh7/24a	1885	\$ 14,375	\$ 14,691	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,691
Lithgow	Reticulation	J4-Mh2116	1890	\$ 5,443	\$ 5,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,563
Lithgow	Reticulation	J5-Mh96a	1890	\$ 13,342	\$ 13,635	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,635
Lithgow	Rising Mains	J6-SPS2154	1942	\$ 342,888	\$ 350,432	\$ 350,432	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$350,432
Lithgow	Rising Mains	J9-SPS1390	1930	\$ 1,067,059	\$ 1,090,534	\$ 1,090,534	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,090,534
Lithgow	Rising Mains	Mh1/10-Mh1/9a	1930	\$ 37,386	\$ 38,208	\$ 38,208	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,208
Lithgow	Rising Mains	Mh1/11-Mh1/10	1930	\$ 37,250	\$ 38,069	\$ 38,069	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,069
Lithgow	Rising Mains	Mh1/12-Mh1/11	1930	\$ 37,101	\$ 37,917	\$ 37,917	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,917
Lithgow	Rising Mains	Mh1/13-Mh1/12	1930	\$ 38,981	\$ 39,839	\$ 39,839	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,839
Lithgow	Rising Mains	Mh1/14-Mh1/13	1930	\$ 28,307	\$ 28,929	\$ 28,929	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,929
Lithgow	Rising Mains	Mh1/15-Mh1/14	1930	\$ 26,780	\$ 27,369	\$ 27,369	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,369
Lithgow	Rising Mains	Mh1/16-Mh1/15	1930	\$ 34,581	\$ 35,341	\$ 35,341	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$35,341
Lithgow	Rising Mains	Mh1/17-Mh1/16	1930	\$ 28,515	\$ 29,142	\$ 29,142	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,142
Lithgow	Rising Mains	Mh1/18-Mh1/17	1930	\$ 13,441	\$ 13,736	\$ 13,736	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,736
Lithgow	Rising Mains	Mh1/19-Mh1/18	1930	\$ 35,601	\$ 36,384	\$ 36,384	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,384
Lithgow	Rising Mains	Mh1/1b-MhINLET	1900	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1/20-Mh1/19	1930	\$ 37,562	\$ 38,388	\$ 38,388	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,388
Lithgow	Rising Mains	Mh1/21-Mh1/20	1930	\$ 37,562	\$ 38,389	\$ 38,389	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,389
Lithgow	Rising Mains	Mh1/22-Mh1/21	1930	\$ 20,460	\$ 20,910	\$ 20,910	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,910
Lithgow	Rising Mains	Mh1/23-Mh1/22	1930	\$ 17,648	\$ 18,036	\$ 18,036	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,036
Lithgow	Rising Mains	Mh1/24-Mh1/23	1930	\$ 22,590	\$ 23,087	\$ 23,087	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,087
Lithgow	Rising Mains	Mh1/25-SPS2156	1930	\$ 25,318	\$ 25,875	\$ 25,875	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,875
Lithgow	Rising Mains	Mh1/26-Mh1/25	1930	\$ 17,685	\$ 18,075	\$ 18,075	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,075
Lithgow	Rising Mains	Mh1/27-Mh1/26	1930	\$ 27,333	\$ 27,934	\$ 27,934	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,934
Lithgow	Rising Mains	Mh1/28-Mh1/27	1930	\$ 20,577	\$ 21,030	\$ 21,030	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,030
Lithgow	Rising Mains	Mh1/29-Mh1/28	1930	\$ 21,110	\$ 21,574	\$ 21,574	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,574
Lithgow	Rising Mains	Mh1/30-Mh1/29	1930	\$ 27,057	\$ 27,653	\$ 27,653	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,653
Lithgow	Rising Mains	Mh1/31-Mh1/30	1930	\$ 25,251	\$ 25,806	\$ 25,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,806
Lithgow	Rising Mains	Mh1/32-Mh1/31	1930	\$ 10,408	\$ 10,637	\$ 10,637	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,637
Lithgow	Rising Mains	Mh1/33-Mh1/32	1930	\$ 25,192	\$ 25,746	\$ 25,746	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,746
Lithgow	Rising Mains	Mh1/34-Mh1/33	1930	\$ 12,035	\$ 12,300	\$ 12,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,300
Lithgow	Rising Mains	Mh1/35-Mh1/34	1930	\$ 18,709	\$ 19,120	\$ 19,120	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,120
Lithgow	Rising Mains	Mh1/36-Mh1/35	1930	\$ 27,297	\$ 27,898	\$ 27,898	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,898
Lithgow	Rising Mains	Mh1/37-Mh1/36	1930	\$ 19,877	\$ 20,314	\$ 20,314	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,314
Lithgow	Rising Mains	Mh1/38-Mh1/37	1930	\$ 19,100	\$ 19,520	\$ 19,520	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,520
Lithgow	Rising Mains	Mh1/39-Mh1/38	1930	\$ 27,377	\$ 27,980	\$ 27,980	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,980
Lithgow	Rising Mains	Mh1/3b-Mh1/3c	1900	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1/3c-Mh1/1b	1900	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1/4-Mh1/3b	1900	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1/40-Mh1/39	1930	\$ 23,473	\$ 23,989	\$ 23,989	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,989
Lithgow	Rising Mains	Mh1/41-Mh1/40	1930	\$ 15,141	\$ 15,474	\$ 15,474	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,474
Lithgow	Rising Mains	Mh1/42-Mh1/41	1930	\$ 8,303	\$ 8,486	\$ 8,486	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,486
Lithgow	Rising Mains	Mh1/43-Mh1/42	1930	\$ 13,490	\$ 13,787	\$ 13,787	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,787
Lithgow	Rising Mains	Mh1/44-Mh1/43	1930	\$ 11,964	\$ 12,227	\$ 12,227	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,227
Lithgow	Rising Mains	Mh1/45-Mh1/44	1930	\$ 16,665	\$ 17,031	\$ 17,031	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,031
Lithgow	Rising Mains	Mh1/46-Mh1/45	1930	\$ 14,140	\$ 14,451	\$ 14,451	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,451
Lithgow	Rising Mains	Mh1/47-Mh1/46	1930	\$ 17,283	\$ 17,663	\$ 17,663	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,663
Lithgow	Rising Mains	Mh1/48-Mh1/47	1930	\$ 16,145	\$ 16,501	\$ 16,501	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,501
Lithgow	Rising Mains	Mh1/49-Mh1/48	1930	\$ 27,413	\$ 28,016	\$ 28,016	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,016
Lithgow	Reticulation	Mh1/51-SPS2157	1940	\$ 5,121	\$ 5,234	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,234
Lithgow	Rising Mains	Mh1/52-SPS2157	1930	\$ 33,538	\$ 34,276	\$ 34,276	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,276

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Rising Mains	Mh1/53-Mh1/52	1930	\$ 19,454	\$ 19,882	\$ 19,882	\$ 19,882	\$0	\$0	\$0	\$0	\$0	\$0	\$19,882
Lithgow	Rising Mains	Mh1/54-Mh1/53	1930	\$ 19,478	\$ 19,907	\$ 19,907	\$ 19,907	\$0	\$0	\$0	\$0	\$0	\$0	\$19,907
Lithgow	Rising Mains	Mh1/55-Mh1/54	1930	\$ 22,175	\$ 22,663	\$ 22,663	\$ 22,663	\$0	\$0	\$0	\$0	\$0	\$0	\$22,663
Lithgow	Rising Mains	Mh1/56-Mh1/55	1930	\$ 20,064	\$ 20,506	\$ 20,506	\$ 20,506	\$0	\$0	\$0	\$0	\$0	\$0	\$20,506
Lithgow	Rising Mains	Mh1/57-Mh1/56	1930	\$ 26,676	\$ 27,263	\$ 27,263	\$ 27,263	\$0	\$0	\$0	\$0	\$0	\$0	\$27,263
Lithgow	Rising Mains	Mh1/58-Mh1/57	1930	\$ 27,361	\$ 27,963	\$ 27,963	\$ 27,963	\$0	\$0	\$0	\$0	\$0	\$0	\$27,963
Lithgow	Rising Mains	Mh1/59-Mh1/58	1930	\$ 12,178	\$ 12,446	\$ 12,446	\$ 12,446	\$0	\$0	\$0	\$0	\$0	\$0	\$12,446
Lithgow	Rising Mains	Mh1/60-Mh1/59	1930	\$ 25,295	\$ 25,851	\$ 25,851	\$ 25,851	\$0	\$0	\$0	\$0	\$0	\$0	\$25,851
Lithgow	Rising Mains	Mh1/61-Mh1/60	1930	\$ 28,259	\$ 28,881	\$ 28,881	\$ 28,881	\$0	\$0	\$0	\$0	\$0	\$0	\$28,881
Lithgow	Rising Mains	Mh1/62-Mh1/61	1930	\$ 17,189	\$ 17,567	\$ 17,567	\$ 17,567	\$0	\$0	\$0	\$0	\$0	\$0	\$17,567
Lithgow	Rising Mains	Mh1/63-Mh1/62	1930	\$ 23,694	\$ 24,216	\$ 24,216	\$ 24,216	\$0	\$0	\$0	\$0	\$0	\$0	\$24,216
Lithgow	Rising Mains	Mh1/64-Mh1/63	1930	\$ 22,200	\$ 22,689	\$ 22,689	\$ 22,689	\$0	\$0	\$0	\$0	\$0	\$0	\$22,689
Lithgow	Rising Mains	Mh1/65-Mh1/64	1930	\$ 15,684	\$ 16,029	\$ 16,029	\$ 16,029	\$0	\$0	\$0	\$0	\$0	\$0	\$16,029
Lithgow	Rising Mains	Mh1/66-Mh1/65	1930	\$ 22,782	\$ 23,284	\$ 23,284	\$ 23,284	\$0	\$0	\$0	\$0	\$0	\$0	\$23,284
Lithgow	Rising Mains	Mh1/67-Mh1/66	1930	\$ 24,115	\$ 24,646	\$ 24,646	\$ 24,646	\$0	\$0	\$0	\$0	\$0	\$0	\$24,646
Lithgow	Rising Mains	Mh1/68-Mh1/67	1930	\$ 22,776	\$ 23,277	\$ 23,277	\$ 23,277	\$0	\$0	\$0	\$0	\$0	\$0	\$23,277
Lithgow	Rising Mains	Mh1/69-Mh2150	1930	\$ 6,281	\$ 6,419	\$ 6,419	\$ 6,419	\$0	\$0	\$0	\$0	\$0	\$0	\$6,419
Lithgow	Rising Mains	Mh1/70-Mh1/69	1930	\$ 14,576	\$ 14,897	\$ 14,897	\$ 14,897	\$0	\$0	\$0	\$0	\$0	\$0	\$14,897
Lithgow	Rising Mains	Mh1/71-Mh1/70	1930	\$ 13,911	\$ 14,217	\$ 14,217	\$ 14,217	\$0	\$0	\$0	\$0	\$0	\$0	\$14,217
Lithgow	Rising Mains	Mh1/72-Mh1/71	1930	\$ 13,457	\$ 13,754	\$ 13,754	\$ 13,754	\$0	\$0	\$0	\$0	\$0	\$0	\$13,754
Lithgow	Rising Mains	Mh1/73-Mh1/72	1930	\$ 10,999	\$ 11,241	\$ 11,241	\$ 11,241	\$0	\$0	\$0	\$0	\$0	\$0	\$11,241
Lithgow	Rising Mains	Mh1/74-Mh1/73	1930	\$ 11,022	\$ 11,264	\$ 11,264	\$ 11,264	\$0	\$0	\$0	\$0	\$0	\$0	\$11,264
Lithgow	Rising Mains	Mh1/75-Mh1/74	1930	\$ 10,542	\$ 10,774	\$ 10,774	\$ 10,774	\$0	\$0	\$0	\$0	\$0	\$0	\$10,774
Lithgow	Rising Mains	Mh1/76-Mh1/75	1930	\$ 16,997	\$ 17,371	\$ 17,371	\$ 17,371	\$0	\$0	\$0	\$0	\$0	\$0	\$17,371
Lithgow	Rising Mains	Mh1/77-Mh1/76	1890	\$ 16,995	\$ 17,369	\$ 17,369	\$ 17,369	\$0	\$0	\$0	\$0	\$0	\$0	\$17,369
Lithgow	Rising Mains	Mh1/78-Mh1/77	1890	\$ 14,129	\$ 14,440	\$ 14,440	\$ 14,440	\$0	\$0	\$0	\$0	\$0	\$0	\$14,440
Lithgow	Rising Mains	Mh1/79-Mh1/78	1890	\$ 15,104	\$ 15,437	\$ 15,437	\$ 15,437	\$0	\$0	\$0	\$0	\$0	\$0	\$15,437
Lithgow	Rising Mains	Mh1/80-Mh1/79	1890	\$ 14,120	\$ 14,430	\$ 14,430	\$ 14,430	\$0	\$0	\$0	\$0	\$0	\$0	\$14,430
Lithgow	Rising Mains	Mh1/81-Mh1/80	1890	\$ 5,280	\$ 5,396	\$ 5,396	\$ 5,396	\$0	\$0	\$0	\$0	\$0	\$0	\$5,396
Lithgow	Rising Mains	Mh1/82-Mh1/81	1890	\$ 12,745	\$ 13,026	\$ 13,026	\$ 13,026	\$0	\$0	\$0	\$0	\$0	\$0	\$13,026
Lithgow	Rising Mains	Mh1/83-Mh1/82	1890	\$ 17,814	\$ 18,206	\$ 18,206	\$ 18,206	\$0	\$0	\$0	\$0	\$0	\$0	\$18,206
Lithgow	Rising Mains	Mh1/84-Mh1/83	1890	\$ 12,723	\$ 13,002	\$ 13,002	\$ 13,002	\$0	\$0	\$0	\$0	\$0	\$0	\$13,002
Lithgow	Rising Mains	Mh1/85-Mh1/84	1890	\$ 16,263	\$ 16,620	\$ 16,620	\$ 16,620	\$0	\$0	\$0	\$0	\$0	\$0	\$16,620
Lithgow	Rising Mains	Mh1/86-Mh1/85	1890	\$ 18,405	\$ 18,810	\$ 18,810	\$ 18,810	\$0	\$0	\$0	\$0	\$0	\$0	\$18,810
Lithgow	Rising Mains	Mh1/87-Mh1/86	1890	\$ 17,602	\$ 17,990	\$ 17,990	\$ 17,990	\$0	\$0	\$0	\$0	\$0	\$0	\$17,990
Lithgow	Rising Mains	Mh1/88-Mh1/87	1890	\$ 9,669	\$ 9,882	\$ 9,882	\$ 9,882	\$0	\$0	\$0	\$0	\$0	\$0	\$9,882
Lithgow	Rising Mains	Mh1/89-Mh1/88	1890	\$ 12,758	\$ 13,039	\$ 13,039	\$ 13,039	\$0	\$0	\$0	\$0	\$0	\$0	\$13,039
Lithgow	Rising Mains	Mh1/90-Mh1/89	1890	\$ 9,356	\$ 9,562	\$ 9,562	\$ 9,562	\$0	\$0	\$0	\$0	\$0	\$0	\$9,562
Lithgow	Rising Mains	Mh1/91-Mh1/90	1890	\$ 18,843	\$ 19,258	\$ 19,258	\$ 19,258	\$0	\$0	\$0	\$0	\$0	\$0	\$19,258
Lithgow	Rising Mains	Mh1/92-Mh1/91	1890	\$ 14,464	\$ 14,782	\$ 14,782	\$ 14,782	\$0	\$0	\$0	\$0	\$0	\$0	\$14,782
Lithgow	Rising Mains	Mh1/93-Mh1/92	1890	\$ 1,618	\$ 1,653	\$ 1,653	\$ 1,653	\$0	\$0	\$0	\$0	\$0	\$0	\$1,653
Lithgow	Rising Mains	Mh1/94-Mh1/93	1890	\$ 5,709	\$ 5,835	\$ 5,835	\$ 5,835	\$0	\$0	\$0	\$0	\$0	\$0	\$5,835
Lithgow	Rising Mains	Mh1-SPS1214	1942	\$ 6,650	\$ 6,797	\$ 6,797	\$ 6,797	\$0	\$0	\$0	\$0	\$0	\$0	\$6,797
Lithgow	Reticulation	Mh10/10-Mh10/5	1930	\$ 19,286	\$ 19,710	\$ 19,710	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,710
Lithgow	Reticulation	Mh10/11-Mh10/10	1930	\$ 15,558	\$ 15,900	\$ 15,900	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,900
Lithgow	Reticulation	Mh10/12-Mh10/11	1930	\$ 10,880	\$ 11,120	\$ 11,120	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,120
Lithgow	Reticulation	Mh10/13-Mh10/10	1930	\$ 19,849	\$ 20,286	\$ 20,286	-	\$0	\$0	\$0	\$0	\$0	\$0	\$20,286
Lithgow	Reticulation	Mh10/15-Mh10/10	1930	\$ 17,847	\$ 18,240	\$ 18,240	-	\$0	\$0	\$0	\$0	\$0	\$0	\$18,240
Lithgow	Reticulation	Mh10/16-Mh10/15	1930	\$ 18,659	\$ 19,070	\$ 19,070	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,070
Lithgow	Reticulation	Mh10/17-Mh10/15	1930	\$ 10,202	\$ 10,427	\$ 10,427	-	\$0	\$0	\$0	\$0	\$0	\$0	\$10,427
Lithgow	Reticulation	Mh10/18-Mh10/17	1930	\$ 13,571	\$ 13,869	\$ 13,869	-	\$0	\$0	\$0	\$0	\$0	\$0	\$13,869
Lithgow	Reticulation	Mh10/19-Mh10/18	1930	\$ 4,604	\$ 4,705	\$ 4,705	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,705
Lithgow	Rising Mains	Mh10/1a-Mh1/62	1930	\$ 16,442	\$ 16,803	\$ 16,803	\$ 16,803	\$0	\$0	\$0	\$0	\$0	\$0	\$16,803
Lithgow	Rising Mains	Mh10/2-Mh10/1a	1930	\$ 13,626	\$ 13,926	\$ 13,926	\$ 13,926	\$0	\$0	\$0	\$0	\$0	\$0	\$13,926
Lithgow	Reticulation	Mh10/20-Mh10/2	1930	\$ 11,926	\$ 12,188	\$ 12,188	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,188
Lithgow	Reticulation	Mh10/21-Mh10/20	1930	\$ 15,097	\$ 15,429	\$ 15,429	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,429
Lithgow	Reticulation	Mh10/22-Mh10/3	1930	\$ 19,079	\$ 19,498	\$ 19,498	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,498
Lithgow	Reticulation	Mh10/23-Mh10/22	1930	\$ 4,346	\$ 4,442	\$ 4,442	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,442
Lithgow	Reticulation	Mh10/24-Mh10/23	1930	\$ 13,908	\$ 14,214	\$ 14,214	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,214
Lithgow	Reticulation	Mh10/25-Mh10/24	1930	\$ 15,638	\$ 15,982	\$ 15,982	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,982
Lithgow	Reticulation	Mh10/26-Mh10/25	1930	\$ 9,596	\$ 9,807	\$ 9,807	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,807
Lithgow	Reticulation	Mh10/27-Mh10/26	1930	\$ 9,284	\$ 9,489	\$ 9,489	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,489
Lithgow	Reticulation	Mh10/28-Mh10/27	1930	\$ 17,081	\$ 17,457	\$ 17,457	-	\$0	\$0	\$0	\$0	\$0	\$0	\$17,457
Lithgow	Reticulation	Mh10/29-Mh10/28	1930	\$ 6,939	\$ 7,092	\$ 7,092	-	\$0	\$0	\$0	\$0	\$0	\$0	\$7,092
Lithgow	Rising Mains	Mh10/3-Mh10/2	1930	\$ 17,303	\$ 17,684	\$ 17,684	\$ 17,684	\$0	\$0	\$0	\$0	\$0	\$0	\$17,684
Lithgow	Reticulation	Mh10/30-Mh10/28	1930	\$ 14,920	\$ 15,248	\$ 15,248	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,248
Lithgow	Reticulation	Mh10/31-Mh10/30	1930	\$ 20,719	\$ 21,175	\$ 21,175	-	\$0	\$0	\$0	\$0	\$0	\$0	\$21,175
Lithgow	Reticulation	Mh10/32-Mh10/31	1930	\$ 7,473	\$ 7,637	\$ 7,637	-	\$0	\$0	\$0	\$0	\$0	\$0	\$7,637
Lithgow	Reticulation	Mh10/33-Mh10/27	1930	\$ 20,414	\$ 20,863	\$ 20,863	-	\$0	\$0	\$0	\$0	\$0	\$0	\$20,863
Lithgow	Reticulation	Mh10/34-Mh10/33	1930	\$ 11,906	\$ 12,168	\$ 12,168	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,168

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh10/36-Mh10/34	1930	\$ 8,502	\$ 8,689	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,689
Lithgow	Reticulation	Mh10/37-Mh10/34	1930	\$ 12,537	\$ 12,812	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,812
Lithgow	Reticulation	Mh10/38a-Mh10/37	1930	\$ 21,022	\$ 21,485	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,485
Lithgow	Reticulation	Mh10/38b-Mh10/38a	1930	\$ 13,158	\$ 13,448	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,448
Lithgow	Reticulation	Mh10/39-Mh10/38b	1930	\$ 5,159	\$ 5,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,273
Lithgow	Reticulation	Mh10/4-Mh10/3	1930	\$ 14,560	\$ 14,881	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,881
Lithgow	Reticulation	Mh10/40-Mh10/39	1930	\$ 20,655	\$ 21,109	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,109
Lithgow	Reticulation	Mh10/41-Mh10/40	1930	\$ 20,984	\$ 21,446	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,446
Lithgow	Reticulation	Mh10/42-Mh10/41	1930	\$ 16,558	\$ 16,922	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,922
Lithgow	Reticulation	Mh10/43-Mh10/42	1930	\$ 22,071	\$ 22,557	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,557
Lithgow	Reticulation	Mh10/44-Mh10/43	1930	\$ 7,800	\$ 7,972	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,972
Lithgow	Reticulation	Mh10/5-Mh1053	1930	\$ 15,758	\$ 16,105	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,105
Lithgow	Reticulation	Mh10/6-Mh10/5	1930	\$ 5,916	\$ 6,046	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,046
Lithgow	Reticulation	Mh10/7-Mh10/6	1930	\$ 17,447	\$ 17,831	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,831
Lithgow	Reticulation	Mh10/8-Mh10/7	1930	\$ 21,303	\$ 21,772	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,772
Lithgow	Reticulation	Mh10/9-Mh10/8	1930	\$ 9,785	\$ 10,000	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
Lithgow	Reticulation	Mh10-Mh9	1942	\$ 10,740	\$ 10,977	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,977
Lithgow	Reticulation	Mh1000-Mh1001	1990	\$ 21,326	\$ 21,795	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,795
Lithgow	Reticulation	Mh1001-Mh1002	1990	\$ 16,842	\$ 17,212	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,212
Lithgow	Reticulation	Mh1002-Mh1026	1990	\$ 29,732	\$ 30,386	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,386
Lithgow	Reticulation	Mh1003-Mh1000	1990	\$ 26,994	\$ 27,588	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,588
Lithgow	Reticulation	Mh1004-Mh1000	1990	\$ 21,131	\$ 21,596	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,596
Lithgow	Reticulation	Mh1005-Mh1003	1990	\$ 23,270	\$ 23,782	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,782
Lithgow	Reticulation	Mh1006-Mh1005	1990	\$ 13,474	\$ 13,770	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,770
Lithgow	Reticulation	Mh1007-Mh1004	1990	\$ 23,511	\$ 24,028	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,028
Lithgow	Reticulation	Mh1008-Mh1001	1990	\$ 20,468	\$ 20,919	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,919
Lithgow	Reticulation	Mh1009-Mh1008	1990	\$ 20,584	\$ 21,037	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,037
Lithgow	Reticulation	Mh1010-Mh1002	1990	\$ 29,504	\$ 30,153	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,153
Lithgow	Reticulation	Mh1011-Mh1010	1990	\$ 19,413	\$ 19,840	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,840
Lithgow	Reticulation	Mh1012-Mh1013	1990	\$ 14,533	\$ 14,853	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,853
Lithgow	Reticulation	Mh1013-Mh1014	1990	\$ 9,083	\$ 9,283	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,283
Lithgow	Reticulation	Mh1014-Mh1015	1990	\$ 19,844	\$ 20,281	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,281
Lithgow	Reticulation	Mh1015-Mh1016	1990	\$ 15,513	\$ 15,854	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,854
Lithgow	Reticulation	Mh1016-Mh1017	1990	\$ 21,983	\$ 22,466	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,466
Lithgow	Reticulation	Mh1017-Mh1385	1990	\$ 7,722	\$ 7,892	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,892
Lithgow	Reticulation	Mh1018-Mh1019	1990	\$ 12,905	\$ 13,189	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,189
Lithgow	Reticulation	Mh1019-J6	1990	\$ 1,877	\$ 1,918	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,918
Lithgow	Reticulation	Mh1020-Mh1019	1990	\$ 30,603	\$ 31,277	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,277
Lithgow	Reticulation	Mh1021-Mh1020	1990	\$ 15,009	\$ 15,339	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,339
Lithgow	Reticulation	Mh1022-Mh1023	1990	\$ 14,140	\$ 14,451	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,451
Lithgow	Reticulation	Mh1023-Mh1014	1990	\$ 13,889	\$ 14,194	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,194
Lithgow	Reticulation	Mh1024-Mh1022	1990	\$ 15,129	\$ 15,461	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,461
Lithgow	Reticulation	Mh1025-Mh999	1990	\$ 19,518	\$ 19,947	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,947
Lithgow	Reticulation	Mh1026-Mh1025	1990	\$ 4,638	\$ 4,740	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,740
Lithgow	Reticulation	Mh1027-Mh1026	1990	\$ 18,342	\$ 18,745	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,745
Lithgow	Reticulation	Mh1028-Mh1009	1990	\$ 26,438	\$ 27,020	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,020
Lithgow	Reticulation	Mh1029-Mh1030	1990	\$ 19,037	\$ 19,456	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,456
Lithgow	Reticulation	Mh1030-Mh1028	1990	\$ 16,559	\$ 16,923	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,923
Lithgow	Reticulation	Mh1031-Mh1032	1990	\$ 19,921	\$ 20,359	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,359
Lithgow	Reticulation	Mh1032-Mh1033	1990	\$ 16,447	\$ 16,809	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,809
Lithgow	Reticulation	Mh1033-Mh1027	1990	\$ 23,946	\$ 24,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,473
Lithgow	Rising Mains	Mh1034-Mh1376	2002	\$ 14,831	\$ 15,158	\$ 15,158	\$15,158	\$15,158	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	Mh1035-Mh5/63	1912	\$ 5,127	\$ 5,240	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,240
Lithgow	Reticulation	Mh1036-Mh7/16	1940	\$ 10,808	\$ 11,045	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,045
Lithgow	Reticulation	Mh1037-Mh7/15	1940	\$ 25,373	\$ 25,931	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,931
Lithgow	Reticulation	Mh1038-Mh3/14	1910	\$ 10,544	\$ 10,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,776
Lithgow	Reticulation	Mh1039-Mh2013	1940	\$ 4,146	\$ 4,237	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,237
Lithgow	Reticulation	Mh1040-Mh1039	1940	\$ 4,243	\$ 4,336	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,336
Lithgow	Rising Mains	Mh1041-Mh1	1942	\$ 8,007	\$ 8,183	\$ 8,183	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,183
Lithgow	Reticulation	Mh1049-Mh9/74	1940	\$ 12,713	\$ 12,993	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,993
Lithgow	Reticulation	Mh1050-Mh9/72	1890	\$ 20,069	\$ 20,511	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,511
Lithgow	Reticulation	Mh1051-Mh245	1940	\$ 10,793	\$ 11,020	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,020
Lithgow	Reticulation	Mh1052-Mh2112	1890	\$ 11,823	\$ 12,083	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,083
Lithgow	Reticulation	Mh1053-Mh1054	1940	\$ 9,322	\$ 9,527	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,527
Lithgow	Reticulation	Mh1054-Mh10/1a	1930	\$ 5,978	\$ 6,110	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,110
Lithgow	Reticulation	Mh1055-Mh10/13	1930	\$ 10,511	\$ 10,742	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,742
Lithgow	Reticulation	Mh1056-Mh1057	1940	\$ 21,675	\$ 22,151	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,151

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh1057-Mh1058	1940	\$ 20,168	\$ 20,611	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,611
Lithgow	Reticulation	Mh1058-Mh8/27	1940	\$ 8,498	\$ 8,685	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,685
Lithgow	Reticulation	Mh1059-Mh8/16	1930	\$ 6,981	\$ 7,134	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,134
Lithgow	Reticulation	Mh1060-Mh8/17	1940	\$ 3,831	\$ 3,915	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,915
Lithgow	Reticulation	Mh1061-Mh96	1930	\$ 14,039	\$ 14,348	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,348
Lithgow	Reticulation	Mh1062-Mh1/51	1940	\$ 12,062	\$ 12,327	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,327
Lithgow	Reticulation	Mh1063-Mh1062	1940	\$ 11,702	\$ 11,960	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,960
Lithgow	Reticulation	Mh1064-Mh11/39	1890	\$ 6,666	\$ 6,812	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,812
Lithgow	Reticulation	Mh1065-Mh1064	1940	\$ 12,844	\$ 13,126	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,126
Lithgow	Reticulation	Mh1066-Mh11/54	1890	\$ 12,004	\$ 12,268	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,268
Lithgow	Reticulation	Mh1067-Mh9/70	1970	\$ 20,994	\$ 21,456	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,456
Lithgow	Reticulation	Mh1068-Mh9/61	1970	\$ 11,906	\$ 12,168	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,168
Lithgow	Reticulation	Mh1069-Mh9/52	1885	\$ 15,627	\$ 15,971	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,971
Lithgow	Reticulation	Mh1070-Mh7/48	1885	\$ 8,629	\$ 8,818	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,818
Lithgow	Reticulation	Mh1071-Mh7/29	1885	\$ 17,301	\$ 17,681	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,681
Lithgow	Reticulation	Mh1072-Mh7/42	1885	\$ 19,263	\$ 19,687	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,687
Lithgow	Reticulation	Mh1073-Mh7/43	1940	\$ 8,235	\$ 8,416	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,416
Lithgow	Reticulation	Mh1074-Mh6/38	1885	\$ 9,843	\$ 10,060	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,060
Lithgow	Reticulation	Mh1075-Mh6/20	1885	\$ 17,895	\$ 18,289	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,289
Lithgow	Reticulation	Mh1076-Mh4/15	1930	\$ 17,507	\$ 17,892	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,892
Lithgow	Reticulation	Mh1077-Mh4/32	1930	\$ 18,939	\$ 19,356	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,356
Lithgow	Reticulation	Mh1078-Mh5/2	1940	\$ 13,962	\$ 14,269	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,269
Lithgow	Reticulation	Mh1079-Mh5/64	1912	\$ 14,870	\$ 15,197	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,197
Lithgow	Reticulation	Mh1080-Mh5/130	1912	\$ 17,697	\$ 18,086	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,086
Lithgow	Rising Mains	Mh11/10-Mh11/9	1890	\$ 13,485	\$ 13,782	\$ 13,782	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,782
Lithgow	Rising Mains	Mh11/11-Mh11/10	1890	\$ 9,413	\$ 9,620	\$ 9,620	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,620
Lithgow	Rising Mains	Mh11/12-Mh11/11	1890	\$ 17,035	\$ 17,410	\$ 17,410	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,410
Lithgow	Rising Mains	Mh11/13-Mh11/12	1890	\$ 16,971	\$ 17,344	\$ 17,344	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,344
Lithgow	Rising Mains	Mh11/14-Mh11/13	1890	\$ 17,913	\$ 18,307	\$ 18,307	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,307
Lithgow	Rising Mains	Mh11/15-Mh11/14	1890	\$ 16,380	\$ 16,740	\$ 16,740	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,740
Lithgow	Rising Mains	Mh11/16-Mh11/15	1890	\$ 12,794	\$ 13,076	\$ 13,076	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,076
Lithgow	Rising Mains	Mh11/17-Mh11/16	1890	\$ 13,289	\$ 13,581	\$ 13,581	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,581
Lithgow	Rising Mains	Mh11/18-Mh11/17	1890	\$ 18,211	\$ 18,611	\$ 18,611	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,611
Lithgow	Reticulation	Mh11/19-Mh11/18	1890	\$ 9,856	\$ 10,073	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,073
Lithgow	Rising Mains	Mh11/1a-Mh1/70	1930	\$ 25,059	\$ 25,610	\$ 25,610	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,610
Lithgow	Rising Mains	Mh11/2-Mh11/1a	1930	\$ 15,904	\$ 16,254	\$ 16,254	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,254
Lithgow	Reticulation	Mh11/20-Mh11/19	1890	\$ 17,967	\$ 18,362	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,362
Lithgow	Reticulation	Mh11/21-Mh11/20	1890	\$ 20,519	\$ 20,971	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,971
Lithgow	Reticulation	Mh11/22-Mh11/21	1890	\$ 20,401	\$ 20,849	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,849
Lithgow	Reticulation	Mh11/23-Mh11/22	1890	\$ 17,124	\$ 17,501	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,501
Lithgow	Reticulation	Mh11/24-Mh11/22	1890	\$ 7,543	\$ 7,709	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,709
Lithgow	Reticulation	Mh11/25-Mh11/24	1960	\$ 5,484	\$ 5,605	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,605
Lithgow	Reticulation	Mh11/26-Mh11/25	1960	\$ 7,664	\$ 7,833	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,833
Lithgow	Reticulation	Mh11/27-Mh11/26	1960	\$ 6,615	\$ 6,761	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,761
Lithgow	Reticulation	Mh11/28-Mh11/26	1960	\$ 15,217	\$ 15,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,551
Lithgow	Reticulation	Mh11/29-Mh11/28	1960	\$ 7,984	\$ 8,159	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,159
Lithgow	Rising Mains	Mh11/3-Mh11/2	1930	\$ 20,330	\$ 20,778	\$ 20,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,778
Lithgow	Reticulation	Mh11/30-Mh11/28	1960	\$ 7,250	\$ 7,409	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,409
Lithgow	Reticulation	Mh11/31-Mh11/30	1960	\$ 15,398	\$ 15,736	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,736
Lithgow	Reticulation	Mh11/32-Mh11/31	1960	\$ 17,776	\$ 18,167	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,167
Lithgow	Reticulation	Mh11/33-Mh11/19	1890	\$ 12,369	\$ 12,641	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,641
Lithgow	Reticulation	Mh11/34-Mh11/33	1960	\$ 11,256	\$ 11,503	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,503
Lithgow	Reticulation	Mh11/35-Mh11/34	1960	\$ 6,416	\$ 6,557	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,557
Lithgow	Reticulation	Mh11/36-Mh11/35	1960	\$ 14,109	\$ 14,419	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,419
Lithgow	Reticulation	Mh11/37-Mh11/36	1960	\$ 16,099	\$ 16,453	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,453
Lithgow	Reticulation	Mh11/38-Mh11/35	1960	\$ 21,091	\$ 21,555	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,555
Lithgow	Reticulation	Mh11/39-Mh11/18	1890	\$ 4,370	\$ 4,466	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,466
Lithgow	Rising Mains	Mh11/4-Mh11/3	1930	\$ 18,279	\$ 18,682	\$ 18,682	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,682
Lithgow	Reticulation	Mh11/40-Mh11/41	1890	\$ 8,807	\$ 9,001	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,001
Lithgow	Reticulation	Mh11/41-Mh1064	1890	\$ 8,185	\$ 8,365	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,365
Lithgow	Reticulation	Mh11/43-Mh1064	1890	\$ 13,594	\$ 13,893	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,893
Lithgow	Reticulation	Mh11/44-Mh11/17	1890	\$ 11,215	\$ 11,462	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,462
Lithgow	Reticulation	Mh11/45-Mh11/44	1890	\$ 5,159	\$ 5,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,273
Lithgow	Reticulation	Mh11/46-Mh11/44	1890	\$ 9,070	\$ 9,270	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,270
Lithgow	Reticulation	Mh11/47-Mh11/15	1890	\$ 6,527	\$ 6,670	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,670

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh11/48-Mh11/47	1890	\$ 11,852	\$ 12,112	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,112
Lithgow	Reticulation	Mh11/49a-Mh11/47	1890	\$ 8,347	\$ 8,531	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,531
Lithgow	Reticulation	Mh11/49b-Mh11/49e	1890	\$ 2,629	\$ 2,687	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,687
Lithgow	Reticulation	Mh11/49c-Mh11/49d	1890	\$ 5,345	\$ 5,463	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,463
Lithgow	Reticulation	Mh11/49d-Mh11/14	1890	\$ 2,617	\$ 2,674	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,674
Lithgow	Reticulation	Mh11/49e-Mh11/49c	1890	\$ 15,575	\$ 15,917	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,917
Lithgow	Reticulation	Mh11/49f-Mh11/49c	1890	\$ 8,645	\$ 8,835	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,835
Lithgow	Reticulation	Mh11/49g-Mh11/49c	1890	\$ 10,522	\$ 10,754	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,754
Lithgow	Reticulation	Mh11/49h-Mh11/49g	1890	\$ 12,055	\$ 12,321	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,321
Lithgow	Rising Mains	Mh11/5-Mh11/4	1930	\$ 18,397	\$ 18,801	\$ 18,801	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,801
Lithgow	Reticulation	Mh11/50-Mh11/49a	1890	\$ 8,687	\$ 8,878	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,878
Lithgow	Reticulation	Mh11/51-Mh11/50	1890	\$ 4,329	\$ 4,424	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,424
Lithgow	Reticulation	Mh11/52-Mh11/51	1890	\$ 13,223	\$ 13,514	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,514
Lithgow	Reticulation	Mh11/53-Mh11/11	1890	\$ 16,686	\$ 17,053	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,053
Lithgow	Reticulation	Mh11/54-Mh11/53	1890	\$ 6,461	\$ 6,603	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,603
Lithgow	Reticulation	Mh11/55-Mh1066	1890	\$ 18,355	\$ 18,759	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,759
Lithgow	Reticulation	Mh11/56-Mh11/54	1890	\$ 12,908	\$ 13,192	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,192
Lithgow	Reticulation	Mh11/57-Mh11/56	1890	\$ 13,173	\$ 13,462	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,462
Lithgow	Reticulation	Mh11/58-Mh11/57	1890	\$ 8,086	\$ 8,264	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,264
Lithgow	Reticulation	Mh11/59-Mh11/54	1890	\$ 13,786	\$ 14,089	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,089
Lithgow	Rising Mains	Mh11/6-Mh11/5	1930	\$ 16,181	\$ 16,537	\$ 16,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,537
Lithgow	Reticulation	Mh11/60-Mh11/59	1890	\$ 12,535	\$ 12,811	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,811
Lithgow	Reticulation	Mh11/61-Mh11/60	1890	\$ 18,948	\$ 19,365	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,365
Lithgow	Reticulation	Mh11/62-Mh11/59	1890	\$ 27,750	\$ 28,360	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,360
Lithgow	Reticulation	Mh11/63-Mh11/62	1890	\$ 6,106	\$ 6,241	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,241
Lithgow	Reticulation	Mh11/64-Mh11/62	1890	\$ 10,745	\$ 10,982	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,982
Lithgow	Reticulation	Mh11/65-Mh11/64	1890	\$ 7,115	\$ 7,271	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,271
Lithgow	Reticulation	Mh11/66-Mh11/65	1890	\$ 10,864	\$ 11,103	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,103
Lithgow	Reticulation	Mh11/67-Mh11/59	1890	\$ 14,514	\$ 14,833	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,833
Lithgow	Reticulation	Mh11/68-Mh11/67	1890	\$ 15,397	\$ 15,736	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,736
Lithgow	Reticulation	Mh11/69-Mh11/68	1890	\$ 12,441	\$ 12,714	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,714
Lithgow	Rising Mains	Mh11/7-Mh11/6	1930	\$ 18,127	\$ 18,525	\$ 18,525	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,525
Lithgow	Reticulation	Mh11/70-Mh11/69	1890	\$ 3,402	\$ 3,477	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,477
Lithgow	Reticulation	Mh11/71-Mh11/67	1890	\$ 21,045	\$ 21,508	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,508
Lithgow	Reticulation	Mh11/72-Mh11/71	1890	\$ 16,607	\$ 16,973	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,973
Lithgow	Reticulation	Mh11/73-Mh11/10	1890	\$ 10,217	\$ 10,441	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,441
Lithgow	Reticulation	Mh11/74-Mh11/73	1890	\$ 10,341	\$ 10,568	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,568
Lithgow	Reticulation	Mh11/75-Mh11/74	1890	\$ 10,544	\$ 10,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,776
Lithgow	Reticulation	Mh11/76-Mh11/75	1890	\$ 9,073	\$ 9,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,273
Lithgow	Reticulation	Mh11/77-Mh11/76	1890	\$ 20,157	\$ 20,600	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,600
Lithgow	Reticulation	Mh11/78-Mh11/77	1890	\$ 15,986	\$ 16,338	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,338
Lithgow	Reticulation	Mh11/79-Mh11/78	1890	\$ 16,727	\$ 17,095	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,095
Lithgow	Rising Mains	Mh11/8-Mh11/7	1890	\$ 12,542	\$ 12,818	\$ 12,818	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,818
Lithgow	Reticulation	Mh11/80-Mh11/79	1890	\$ 14,798	\$ 15,123	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,123
Lithgow	Reticulation	Mh11/81-Mh11/80	1890	\$ 16,116	\$ 16,470	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,470
Lithgow	Reticulation	Mh11/82-Mh11/81	1890	\$ 11,959	\$ 12,222	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,222
Lithgow	Reticulation	Mh11/83-Mh11/82	1890	\$ 11,448	\$ 11,700	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,700
Lithgow	Reticulation	Mh11/84-Mh11/81	1890	\$ 8,710	\$ 8,902	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,902
Lithgow	Rising Mains	Mh11/9-Mh11/8	1890	\$ 17,468	\$ 17,852	\$ 17,852	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,852
Lithgow	Reticulation	Mh1135-Mh234	1996	\$ 6,455	\$ 6,597	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,597
Lithgow	Reticulation	Mh1136-Mh1137	2003	\$ 13,160	\$ 13,450	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,450
Lithgow	Reticulation	Mh1137-Mh9/25	2003	\$ 5,190	\$ 5,304	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,304
Lithgow	Reticulation	Mh1150-Mh1215	2004	\$ 3,299	\$ 3,371	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,371
Lithgow	Reticulation	Mh1196-Mh1197	1940	\$ 2,909	\$ 2,973	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,973
Lithgow	Reticulation	Mh1197-Mh11/48	1940	\$ 17,174	\$ 17,552	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,552
Lithgow	Reticulation	Mh1199-Mh1367	1940	\$ 14,242	\$ 14,556	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,556
Lithgow	Reticulation	Mh1200-Mh1199	1940	\$ 4,538	\$ 4,638	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,638
Lithgow	Reticulation	Mh1201-Mh2014	1930	\$ 10,298	\$ 10,524	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,524
Lithgow	Reticulation	Mh1202-Mh1391	1940	\$ 7,091	\$ 7,247	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,247
Lithgow	Rising Mains	Mh1203-SPS2156	1930	\$ 221,907	\$ 226,789	\$ 226,789	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$226,789
Lithgow	Rising Mains	Mh1204-Mh1209	1930	\$ 11,772	\$ 12,031	\$ 12,031	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,031
Lithgow	Rising Mains	Mh1205-Mh1204	1930	\$ 8,697	\$ 8,888	\$ 8,888	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,888
Lithgow	Rising Mains	Mh1206-Mh1205	1930	\$ 16,183	\$ 16,539	\$ 16,539	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,539
Lithgow	Rising Mains	Mh1207-Mh1206	1930	\$ 24,592	\$ 25,133	\$ 25,133	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,133
Lithgow	Rising Mains	Mh1208-Mh1207	1930	\$ 21,408	\$ 21,879	\$ 21,879	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,879

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Rising Mains	Mh1209-Mh1203	1930	\$ 12,265	\$ 12,535	\$ 12,535	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,535
Lithgow	Rising Mains	Mh1211-Mh1208	1930	\$ 45,567	\$ 46,570	\$ 46,570	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$46,570
Lithgow	Rising Mains	Mh1212-Mh1211	1930	\$ 1,847	\$ 1,887	\$ 1,887	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,887
Lithgow	Rising Mains	Mh1213-Mh1212	1930	\$ 2,214	\$ 2,263	\$ 2,263	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,263
Lithgow	Reticulation	Mh1215-Mh1216	2004	\$ 22,533	\$ 23,029	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,029
Lithgow	Reticulation	Mh1216-Mh3/27AD	2004	\$ 9,977	\$ 10,196	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,196
Lithgow	Reticulation	Mh124-Mh59	1980	\$ 8,229	\$ 8,410	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,410
Lithgow	Reticulation	Mh13-Mh14	1942	\$ 5,840	\$ 5,968	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,968
Lithgow	Reticulation	Mh1329-Mh1349	2004	\$ 25,575	\$ 26,138	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,138
Lithgow	Reticulation	Mh1330-Mh1331	2004	\$ 12,385	\$ 12,657	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,657
Lithgow	Reticulation	Mh1331-Mh1336	2004	\$ 29,214	\$ 29,856	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,856
Lithgow	Reticulation	Mh1332-Mh1331	2004	\$ 4,181	\$ 4,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,273
Lithgow	Reticulation	Mh1333-Mh1337	2004	\$ 6,199	\$ 6,335	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,335
Lithgow	Reticulation	Mh1334-Mh1329	2004	\$ 20,311	\$ 20,758	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,758
Lithgow	Reticulation	Mh1335-Mh1332	2004	\$ 26,075	\$ 26,648	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,648
Lithgow	Reticulation	Mh1336-Mh1346	2004	\$ 8,807	\$ 9,001	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,001
Lithgow	Reticulation	Mh1337-Mh1349	2004	\$ 10,204	\$ 10,429	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,429
Lithgow	Reticulation	Mh1338-Mh1339	2004	\$ 21,675	\$ 22,152	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,152
Lithgow	Reticulation	Mh1339-Mh1341	2004	\$ 13,559	\$ 13,857	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,857
Lithgow	Reticulation	Mh1340-Mh1347	2004	\$ 12,346	\$ 12,618	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,618
Lithgow	Reticulation	Mh1341-Mh1333	2004	\$ 5,715	\$ 5,841	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,841
Lithgow	Reticulation	Mh1342-Mh1337	2004	\$ 20,006	\$ 20,446	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,446
Lithgow	Reticulation	Mh1343-Mh1349	2004	\$ 10,054	\$ 10,275	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,275
Lithgow	Reticulation	Mh1344-Mh27	2004	\$ 7,432	\$ 7,596	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,596
Lithgow	Reticulation	Mh1345-Mh1344	2004	\$ 15,400	\$ 15,739	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,739
Lithgow	Reticulation	Mh1346-Mh1345	2004	\$ 9,710	\$ 9,923	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,923
Lithgow	Reticulation	Mh1347-Mh1348	2004	\$ 6,394	\$ 6,535	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,535
Lithgow	Reticulation	Mh1348-Mh1343	2004	\$ 4,023	\$ 4,112	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,112
Lithgow	Reticulation	Mh1349-Mh1346	2004	\$ 4,683	\$ 4,786	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,786
Lithgow	Reticulation	Mh1352-Mh1221	1940	\$ 25,473	\$ 26,033	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,033
Lithgow	Reticulation	Mh1353-Mh1352	1940	\$ 11,519	\$ 11,772	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,772
Lithgow	Reticulation	Mh1362-Mh5/135	1930	\$ 7,993	\$ 8,168	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,168
Lithgow	Reticulation	Mh1363-Mh5/135	1930	\$ 38,813	\$ 39,667	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,667
Lithgow	Reticulation	Mh1364-Mh1363	1930	\$ 17,751	\$ 18,142	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,142
Lithgow	Reticulation	Mh1365-Mh1364	1930	\$ 2,224	\$ 2,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,273
Lithgow	Reticulation	Mh1366-Mh1/33	1940	\$ 3,722	\$ 3,804	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,804
Lithgow	Reticulation	Mh1367-Mh1366	1940	\$ 8,598	\$ 8,787	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,787
Lithgow	Reticulation	Mh1368-Mh1375	1885	\$ 18,189	\$ 18,589	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,589
Lithgow	Reticulation	Mh1369-Mh1368	1885	\$ 23,098	\$ 23,606	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,606
Lithgow	Reticulation	Mh1370-Mh1369	1885	\$ 26,475	\$ 27,058	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,058
Lithgow	Reticulation	Mh1371-Mh1370	1885	\$ 16,234	\$ 16,591	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,591
Lithgow	Reticulation	Mh1372-Mh1370	1885	\$ 12,401	\$ 12,674	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,674
Lithgow	Reticulation	Mh1373-Mh1372	1885	\$ 23,513	\$ 24,030	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,030
Lithgow	Reticulation	Mh1374-Mh1371	1885	\$ 19,444	\$ 19,872	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,872
Lithgow	Rising Mains	Mh1376-Mh1379	2002	\$ 16,355	\$ 16,715	\$ 16,715	\$16,715	\$16,715	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1378-Mh1380	2002	\$ 10,016	\$ 10,236	\$ 10,236	\$10,236	\$10,236	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1379-Mh1378	2002	\$ 13,281	\$ 13,573	\$ 13,573	\$13,573	\$13,573	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1380-Mh211	2002	\$ 5,793	\$ 5,920	\$ 5,920	\$5,920	\$5,920	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh1381-Mh1382	1912	\$ 11,151	\$ 11,397	\$ 11,397	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,397
Lithgow	Rising Mains	Mh1382-Mh1383	1912	\$ 10,261	\$ 10,487	\$ 10,487	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,487
Lithgow	Rising Mains	Mh1383-Mh6/12	1912	\$ 8,219	\$ 8,399	\$ 8,399	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,399
Lithgow	Reticulation	Mh1384-Mh997	1990	\$ 24,442	\$ 24,980	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,980
Lithgow	Reticulation	Mh1385-Mh1018	1990	\$ 12,624	\$ 12,901	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,901
Lithgow	Reticulation	Mh1386-Mh1017	1990	\$ 16,330	\$ 16,689	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,689
Lithgow	Reticulation	Mh1387-Mh1386	1990	\$ 12,852	\$ 13,134	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,134
Lithgow	Reticulation	Mh1391-Mh1200	1940	\$ 17,553	\$ 17,939	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,939
Lithgow	Reticulation	Mh1-4/2809-Mh2091	1996	\$ 15,036	\$ 15,367	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,367
Lithgow	Reticulation	Mh14-Mh2005	1942	\$ 5,310	\$ 5,426	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,426
Lithgow	Reticulation	Mh2/1-Mh58	1954	\$ 20,189	\$ 20,633	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,633
Lithgow	Rising Mains	Mh2/179-SPS1227	1975	\$ 1,403	\$ 1,434	\$ 1,434	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,434
Lithgow	Rising Mains	Mh2/185-Mh2/179	1975	\$ 25,896	\$ 26,466	\$ 26,466	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,466
Lithgow	Rising Mains	Mh2/186-Mh2/185	1975	\$ 4,702	\$ 4,806	\$ 4,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,806
Lithgow	Rising Mains	Mh2/188a-Mh2/186	1975	\$ 8,687	\$ 8,878	\$ 8,878	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,878
Lithgow	Rising Mains	Mh2/188b-Mh2/188a	1975	\$ 14,866	\$ 15,193	\$ 15,193	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,193
Lithgow	Rising Mains	Mh2/190-Mh2/188b	1975	\$ 24,628	\$ 25,169	\$ 25,169	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,169

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Rising Mains	Mh2/191~Mh2/190	1975	\$ 1,296	\$ 1,324	\$ 1,324	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$1,324
Lithgow	Rising Mains	Mh2/192~Mh2/191	1975	\$ 4,724	\$ 4,828	\$ 4,828	\$ 4,828	\$0	\$0	\$0	\$0	\$0	\$0	\$4,828
Lithgow	Rising Mains	Mh2/193~Mh2/192	1975	\$ 5,987	\$ 6,119	\$ 6,119	\$ 6,119	\$0	\$0	\$0	\$0	\$0	\$0	\$6,119
Lithgow	Rising Mains	Mh2/194~Mh2/193	1975	\$ 17,271	\$ 17,651	\$ 17,651	\$ 17,651	\$0	\$0	\$0	\$0	\$0	\$0	\$17,651
Lithgow	Rising Mains	Mh2/195~Mh2/194	1975	\$ 7,560	\$ 7,727	\$ 7,727	\$ 7,727	\$0	\$0	\$0	\$0	\$0	\$0	\$7,727
Lithgow	Rising Mains	Mh2/196~Mh2/195	1975	\$ 9,488	\$ 9,697	\$ 9,697	\$ 9,697	\$0	\$0	\$0	\$0	\$0	\$0	\$9,697
Lithgow	Rising Mains	Mh2/198~Mh2/196	1975	\$ 4,778	\$ 4,883	\$ 4,883	\$ 4,883	\$0	\$0	\$0	\$0	\$0	\$0	\$4,883
Lithgow	Rising Mains	Mh2/199~Mh2/198	1975	\$ 4,956	\$ 5,065	\$ 5,065	\$ 5,065	\$0	\$0	\$0	\$0	\$0	\$0	\$5,065
Lithgow	Rising Mains	Mh2/200~Mh2/199	1975	\$ 5,770	\$ 5,897	\$ 5,897	\$ 5,897	\$0	\$0	\$0	\$0	\$0	\$0	\$5,897
Lithgow	Rising Mains	Mh2/201~Mh2/200	1975	\$ 12,512	\$ 12,787	\$ 12,787	\$ 12,787	\$0	\$0	\$0	\$0	\$0	\$0	\$12,787
Lithgow	Rising Mains	Mh2/202~Mh2/201	1975	\$ 5,612	\$ 5,736	\$ 5,736	\$ 5,736	\$0	\$0	\$0	\$0	\$0	\$0	\$5,736
Lithgow	Reticulation	Mh2/204~Mh2/203	1975	\$ 6,988	\$ 7,142	\$ 7,142	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,142
Lithgow	Reticulation	Mh2/208~Mh2/207	1975	\$ 6,896	\$ 7,047	\$ 7,047	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,047
Lithgow	Reticulation	Mh2/209~Mh2/208	1975	\$ 14,737	\$ 15,061	\$ 15,061	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$15,061
Lithgow	Reticulation	Mh2/210~Mh2/209	1975	\$ 10,841	\$ 11,080	\$ 11,080	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$11,080
Lithgow	Rising Mains	Mh2/213~Mh2/202	1975	\$ 3,526	\$ 3,604	\$ 3,604	\$ 3,604	\$0	\$0	\$0	\$0	\$0	\$0	\$3,604
Lithgow	Rising Mains	Mh2/214~Mh2/213	1975	\$ 4,078	\$ 4,168	\$ 4,168	\$ 4,168	\$0	\$0	\$0	\$0	\$0	\$0	\$4,168
Lithgow	Rising Mains	Mh2/215~Mh2/214	1975	\$ 9,330	\$ 9,535	\$ 9,535	\$ 9,535	\$0	\$0	\$0	\$0	\$0	\$0	\$9,535
Lithgow	Rising Mains	Mh2/216~Mh2/215	1975	\$ 13,444	\$ 13,740	\$ 13,740	\$ 13,740	\$0	\$0	\$0	\$0	\$0	\$0	\$13,740
Lithgow	Rising Mains	Mh2/217~Mh2/216	1975	\$ 4,492	\$ 4,591	\$ 4,591	\$ 4,591	\$0	\$0	\$0	\$0	\$0	\$0	\$4,591
Lithgow	Rising Mains	Mh2/218~Mh2/217	1975	\$ 3,909	\$ 3,994	\$ 3,994	\$ 3,994	\$0	\$0	\$0	\$0	\$0	\$0	\$3,994
Lithgow	Rising Mains	Mh2/219~Mh2/218	1975	\$ 3,583	\$ 3,662	\$ 3,662	\$ 3,662	\$0	\$0	\$0	\$0	\$0	\$0	\$3,662
Lithgow	Rising Mains	Mh2/220~Mh2/219	1975	\$ 10,559	\$ 10,791	\$ 10,791	\$ 10,791	\$0	\$0	\$0	\$0	\$0	\$0	\$10,791
Lithgow	Rising Mains	Mh2/221~Mh2/220	1975	\$ 11,092	\$ 11,336	\$ 11,336	\$ 11,336	\$0	\$0	\$0	\$0	\$0	\$0	\$11,336
Lithgow	Reticulation	Mh2/222~Mh2/190	1975	\$ 8,042	\$ 8,218	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,218
Lithgow	Reticulation	Mh2/36~Mh2/35	1954	\$ 16,999	\$ 17,372	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$17,372
Lithgow	Reticulation	Mh2/3a~Mh2/1	1954	\$ 16,963	\$ 17,337	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$17,337
Lithgow	Reticulation	Mh2/41~Mh2/40	1954	\$ 14,556	\$ 14,876	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$14,876
Lithgow	Reticulation	Mh2/42~Mh2/41	1954	\$ 10,991	\$ 11,232	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$11,232
Lithgow	Reticulation	Mh2/43~Mh2/42	1954	\$ 20,377	\$ 20,825	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$20,825
Lithgow	Reticulation	Mh2/44~Mh2/40	1954	\$ 14,888	\$ 15,216	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$15,216
Lithgow	Reticulation	Mh2/45~Mh2/44	1954	\$ 7,826	\$ 7,998	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,998
Lithgow	Reticulation	Mh2/46~Mh2/44	1954	\$ 6,736	\$ 6,884	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$6,884
Lithgow	Reticulation	Mh2/47~Mh2/40	1954	\$ 17,288	\$ 17,668	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$17,668
Lithgow	Reticulation	Mh2/48~Mh2/47	1954	\$ 12,274	\$ 12,544	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$12,544
Lithgow	Reticulation	Mh2/49~Mh2/48	1954	\$ 4,310	\$ 4,405	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,405
Lithgow	Reticulation	Mh2/50~Mh2/49	1954	\$ 13,185	\$ 13,475	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$13,475
Lithgow	Reticulation	Mh2/51~Mh2/50	1954	\$ 13,876	\$ 14,182	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$14,182
Lithgow	Reticulation	Mh2/52~Mh2/51	1954	\$ 5,526	\$ 5,648	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,648
Lithgow	Rising Mains	Mh2/7~Mh2/6	1954	\$ 9,445	\$ 9,653	\$ 9,653	\$ 9,653	\$0	\$0	\$0	\$0	\$0	\$0	\$9,653
Lithgow	Rising Mains	Mh2~Mh1041	1930	\$ 6,011	\$ 6,143	\$ 6,143	\$ 6,143	\$0	\$0	\$0	\$0	\$0	\$0	\$6,143
Lithgow	Rising Mains	Mh2002~Mh6	1942	\$ 11,291	\$ 11,540	\$ 11,540	\$ 11,540	\$0	\$0	\$0	\$0	\$0	\$0	\$11,540
Lithgow	Reticulation	Mh2003~Mh10	1942	\$ 8,669	\$ 8,859	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,859
Lithgow	Reticulation	Mh2004~Mh13	1942	\$ 11,155	\$ 11,401	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$11,401
Lithgow	Reticulation	Mh2005~Mh24	1942	\$ 7,864	\$ 8,037	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,037
Lithgow	Reticulation	Mh2006~Mh13	1942	\$ 5,856	\$ 5,985	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,985
Lithgow	Reticulation	Mh2007~Mh2006	1942	\$ 2,889	\$ 2,953	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$2,953
Lithgow	Reticulation	Mh2008~Mh2009	1942	\$ 11,322	\$ 11,571	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$11,571
Lithgow	Reticulation	Mh2009~Mh2010	1942	\$ 15,787	\$ 16,134	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$16,134
Lithgow	Reticulation	Mh201~Mh200	1940	\$ 12,306	\$ 12,577	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$12,577
Lithgow	Reticulation	Mh2010~Mh2011	1942	\$ 4,198	\$ 4,290	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,290
Lithgow	Reticulation	Mh2011~Mh2012	1942	\$ 17,404	\$ 17,787	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$17,787
Lithgow	Reticulation	Mh2012~Mh25	1942	\$ 13,349	\$ 13,643	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$13,643
Lithgow	Reticulation	Mh2013~Mh33	1942	\$ 14,280	\$ 14,594	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$14,594
Lithgow	Reticulation	Mh2014~Mh1202	1940	\$ 42,949	\$ 43,894	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$43,894
Lithgow	Reticulation	Mh2015~Mh2016	1930	\$ 4,864	\$ 4,971	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,971
Lithgow	Reticulation	Mh2016~Mh2017	1930	\$ 8,842	\$ 9,037	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$9,037
Lithgow	Reticulation	Mh2017~Mh2017b	1930	\$ 7,873	\$ 8,046	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,046
Lithgow	Reticulation	Mh2017b~Mh2018	1930	\$ 13,456	\$ 13,752	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$13,752
Lithgow	Reticulation	Mh2018~Mh2024	1930	\$ 2,286	\$ 2,336	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$2,336
Lithgow	Reticulation	Mh2019~Mh2024	1930	\$ 4,213	\$ 4,305	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$4,305
Lithgow	Reticulation	Mh2020~Mh2021	1930	\$ 3,318	\$ 3,391	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$3,391
Lithgow	Reticulation	Mh2021~Mh2016	1930	\$ 8,452	\$ 8,638	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$8,638
Lithgow	Reticulation	Mh2022~Mh2015	1930	\$ 5,002	\$ 5,112	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$5,112
Lithgow	Reticulation	Mh2023~Mh2015	1930	\$ 7,810	\$ 7,982	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$7,982
Lithgow	Reticulation	Mh2024~Mh2037	1930	\$ 2,364	\$ 2,416	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$2,416

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh2025~Mh2029	1930	\$ 12,453	\$ 12,727	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,727
Lithgow	Reticulation	Mh2026~Mh2025	1930	\$ 16,442	\$ 16,804	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,804
Lithgow	Reticulation	Mh2027~Mh2026	1930	\$ 14,519	\$ 14,838	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,838
Lithgow	Reticulation	Mh2028~Mh2027	1930	\$ 6,156	\$ 6,292	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,292
Lithgow	Reticulation	Mh2029~Mh2030	1930	\$ 20,544	\$ 20,996	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,996
Lithgow	Reticulation	Mh2030~Mh1/51	1930	\$ 5,703	\$ 5,828	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,828
Lithgow	Reticulation	Mh2031~Mh64	1996	\$ 11,838	\$ 12,098	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,098
Lithgow	Reticulation	Mh2032~Mh64	1996	\$ 17,607	\$ 17,994	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,994
Lithgow	Reticulation	Mh2033~Mh1/46	1930	\$ 5,176	\$ 5,290	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,290
Lithgow	Reticulation	Mh2034~Mh2035	1930	\$ 10,999	\$ 11,241	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,241
Lithgow	Rising Mains	Mh2035~Mh1/44	1930	\$ 10,532	\$ 10,764	\$ 10,764	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,764
Lithgow	Reticulation	Mh2036~Mh2035	1930	\$ 30,555	\$ 31,228	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,228
Lithgow	Reticulation	Mh2037~Mh2036	1930	\$ 4,585	\$ 4,685	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,685
Lithgow	Reticulation	Mh2038~Mh2039	1930	\$ 8,221	\$ 8,402	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,402
Lithgow	Reticulation	Mh2039~Mh2034	1930	\$ 16,321	\$ 16,681	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,681
Lithgow	Reticulation	Mh2040~Mh2033	1930	\$ 6,344	\$ 6,483	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,483
Lithgow	Reticulation	Mh2041~Mh9/1a	1930	\$ 12,928	\$ 13,213	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,213
Lithgow	Reticulation	Mh2042~Mh2043	1930	\$ 17,310	\$ 17,691	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,691
Lithgow	Reticulation	Mh2043~Mh2054	1930	\$ 15,203	\$ 15,538	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,538
Lithgow	Reticulation	Mh2044~Mh2045	1930	\$ 6,570	\$ 6,714	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,714
Lithgow	Reticulation	Mh2045~Mh2042	1930	\$ 14,874	\$ 15,201	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,201
Lithgow	Reticulation	Mh2046~Mh2047	1930	\$ 15,438	\$ 15,777	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,777
Lithgow	Reticulation	Mh2047~Mh2042	1930	\$ 11,676	\$ 11,933	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,933
Lithgow	Reticulation	Mh2048~Mh2047	1930	\$ 9,603	\$ 9,815	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,815
Lithgow	Reticulation	Mh2049~Mh2048	1930	\$ 29,528	\$ 30,178	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,178
Lithgow	Reticulation	Mh2050~Mh2049	1930	\$ 9,231	\$ 9,434	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,434
Lithgow	Reticulation	Mh2051~Mh2052	1930	\$ 17,855	\$ 18,248	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,248
Lithgow	Reticulation	Mh2052~Mh2042	1930	\$ 20,489	\$ 20,940	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,940
Lithgow	Reticulation	Mh2053~Mh2050	1930	\$ 14,501	\$ 14,820	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,820
Lithgow	Reticulation	Mh2054~Mh2056	1930	\$ 15,810	\$ 16,158	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,158
Lithgow	Reticulation	Mh2055~Mh1/58	1930	\$ 18,295	\$ 18,698	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,698
Lithgow	Reticulation	Mh2056~Mh2055	1930	\$ 15,396	\$ 15,734	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,734
Lithgow	Reticulation	Mh2057~Mh79	1905	\$ 20,613	\$ 21,067	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,067
Lithgow	Reticulation	Mh2058~SPS2153	1980	\$ 26,224	\$ 26,801	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,801
Lithgow	Reticulation	Mh2059~Mh2058	1980	\$ 9,139	\$ 9,340	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,340
Lithgow	Reticulation	Mh2060~Mh2059	1980	\$ 3,662	\$ 3,742	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,742
Lithgow	Reticulation	Mh2061~Mh2060	1980	\$ 12,749	\$ 13,029	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,029
Lithgow	Reticulation	Mh2062~Mh2061	1980	\$ 5,996	\$ 6,128	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,128
Lithgow	Reticulation	Mh2063~Mh2061	1980	\$ 10,755	\$ 10,991	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,991
Lithgow	Reticulation	Mh2064~Mh2060	1980	\$ 19,029	\$ 19,447	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,447
Lithgow	Reticulation	Mh2065~Mh2064	1980	\$ 4,528	\$ 4,628	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,628
Lithgow	Reticulation	Mh2066~Mh2065	1980	\$ 7,048	\$ 7,203	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,203
Lithgow	Reticulation	Mh2067~Mh2066	1980	\$ 4,334	\$ 4,429	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,429
Lithgow	Reticulation	Mh2068~Mh2069	1980	\$ 27,645	\$ 28,253	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,253
Lithgow	Reticulation	Mh2069~SPS2153	1980	\$ 21,002	\$ 21,464	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,464
Lithgow	Reticulation	Mh2070~Mh60	1980	\$ 21,665	\$ 22,142	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,142
Lithgow	Reticulation	Mh2071~Mh2090	1996	\$ 15,147	\$ 15,481	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,481
Lithgow	Reticulation	Mh2072~Mh2071	1996	\$ 14,672	\$ 14,994	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,994
Lithgow	Reticulation	Mh2073~Mh2072	1996	\$ 11,918	\$ 12,180	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,180
Lithgow	Reticulation	Mh2074~Mh2073	1996	\$ 11,372	\$ 11,622	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,622
Lithgow	Reticulation	Mh2075~Mh2074	1996	\$ 10,321	\$ 10,548	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,548
Lithgow	Reticulation	Mh2076~Mh2075	1996	\$ 13,797	\$ 14,101	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,101
Lithgow	Reticulation	Mh2077~Mh2084	1996	\$ 18,189	\$ 18,589	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,589
Lithgow	Reticulation	Mh2078~Mh2079	1996	\$ 6,308	\$ 6,447	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,447
Lithgow	Reticulation	Mh2079~Mh2092	1996	\$ 8,521	\$ 8,709	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,709
Lithgow	Reticulation	Mh2080~Mh231	1996	\$ 10,602	\$ 10,836	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,836
Lithgow	Reticulation	Mh2081~Mh67	1996	\$ 12,287	\$ 12,557	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,557
Lithgow	Reticulation	Mh2082~Mh2083	1996	\$ 14,096	\$ 14,406	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,406
Lithgow	Reticulation	Mh2083~Mh2086	1996	\$ 17,694	\$ 18,084	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,084
Lithgow	Reticulation	Mh2084~Mh2085	1996	\$ 15,136	\$ 15,469	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,469
Lithgow	Reticulation	Mh2085~Mh2083	1996	\$ 19,108	\$ 19,528	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,528
Lithgow	Reticulation	Mh2086~Mh2087	1996	\$ 15,975	\$ 16,326	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,326
Lithgow	Reticulation	Mh2087~Mh2088	1996	\$ 15,071	\$ 15,402	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,402
Lithgow	Reticulation	Mh2088~Mh2076	1996	\$ 19,033	\$ 19,451	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,451
Lithgow	Reticulation	Mh2089~Mh2082	1996	\$ 15,717	\$ 16,062	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,062
Lithgow	Reticulation	Mh209~Mh210	2002	\$ 18,163	\$ 18,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,563
Lithgow	Reticulation	Mh2090~Mh2032	1996	\$ 20,541	\$ 20,993	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,993
Lithgow	Reticulation	Mh2091~Mh2090	1996	\$ 13,317	\$ 13,610	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,610
Lithgow	Reticulation	Mh2092~Mh2080	1996	\$ 13,181	\$ 13,471	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,471
Lithgow	Reticulation	Mh2093~Mh2094	1930	\$ 1,485	\$ 1,518	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,518

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh2094~Mh142	1930	\$ 10,136	\$ 10,359	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,359
Lithgow	Reticulation	Mh2095~Mh2093	1930	\$ 17,971	\$ 18,366	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,366
Lithgow	Reticulation	Mh2096~Mh2040	1930	\$ 14,112	\$ 14,422	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,422
Lithgow	Reticulation	Mh2097~Mh2096	1930	\$ 14,382	\$ 14,699	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,699
Lithgow	Reticulation	Mh2098~Mh161	1930	\$ 15,994	\$ 16,346	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,346
Lithgow	Reticulation	Mh2099~Mh2098	1930	\$ 11,420	\$ 11,671	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,671
Lithgow	Rising Mains	Mh210~Mh211	2002	\$ 16,981	\$ 17,355	17,355	\$17,355	\$17,355	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	Mh2100~Mh2099	1930	\$ 13,875	\$ 14,180	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,180
Lithgow	Reticulation	Mh2101~Mh2100	1930	\$ 19,082	\$ 19,502	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,502
Lithgow	Reticulation	Mh2102~Mh2103	1890	\$ 10,813	\$ 11,051	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,051
Lithgow	Reticulation	Mh2103~Mh2104	1890	\$ 14,899	\$ 15,227	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,227
Lithgow	Reticulation	Mh2104~Mh185	1890	\$ 15,772	\$ 16,119	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,119
Lithgow	Reticulation	Mh2105~Mh181	1890	\$ 5,252	\$ 5,368	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,368
Lithgow	Reticulation	Mh2106~Mh2105	1890	\$ 10,733	\$ 10,969	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,969
Lithgow	Reticulation	Mh2107~Mh2106	1890	\$ 7,365	\$ 7,527	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,527
Lithgow	Reticulation	Mh2108~Mh184	1890	\$ 15,565	\$ 15,908	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,908
Lithgow	Reticulation	Mh2109~Mh2108	1890	\$ 7,797	\$ 7,969	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,969
Lithgow	Reticulation	Mh210a~Mh11/27	1960	\$ 49,124	\$ 50,205	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,205
Lithgow	Rising Mains	Mh211~Mh226	2001	\$ 9,805	\$ 10,021	10,021	\$10,021	\$10,021	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	Mh2110~Mh187	1890	\$ 6,434	\$ 6,575	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,575
Lithgow	Reticulation	Mh2111~Mh2110	1890	\$ 2,816	\$ 2,878	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,878
Lithgow	Reticulation	Mh2112~Mh2111	1890	\$ 20,375	\$ 20,823	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,823
Lithgow	Reticulation	Mh2113~Mh1052	1890	\$ 12,402	\$ 12,675	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,675
Lithgow	Reticulation	Mh2114~Mh193	1890	\$ 17,979	\$ 18,374	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,374
Lithgow	Reticulation	Mh2115~Mh2114	1890	\$ 18,561	\$ 18,969	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,969
Lithgow	Reticulation	Mh2116~Mh2115	1890	\$ 13,857	\$ 14,162	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,162
Lithgow	Reticulation	Mh2117~J4	1890	\$ 2,220	\$ 2,269	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,269
Lithgow	Reticulation	Mh2118~J4	1890	\$ 9,981	\$ 10,200	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,200
Lithgow	Reticulation	Mh2119~Mh2122	1890	\$ 10,947	\$ 11,188	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,188
Lithgow	Reticulation	Mh2120~Mh2121	1890	\$ 13,919	\$ 14,226	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,226
Lithgow	Reticulation	Mh2121~Mh2134	1890	\$ 12,741	\$ 13,022	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,022
Lithgow	Reticulation	Mh2122~Mh2137	1890	\$ 18,392	\$ 18,797	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,797
Lithgow	Reticulation	Mh2123~Mh2124	1890	\$ 16,358	\$ 16,718	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,718
Lithgow	Reticulation	Mh2124~Mh2125	1890	\$ 19,070	\$ 19,490	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,490
Lithgow	Reticulation	Mh2125~J5	1890	\$ 2,529	\$ 2,585	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,585
Lithgow	Reticulation	Mh2126~Mh2124	1890	\$ 4,149	\$ 4,240	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,240
Lithgow	Reticulation	Mh2127~Mh2128	1890	\$ 20,530	\$ 20,982	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,982
Lithgow	Reticulation	Mh2128~Mh2113	1890	\$ 20,810	\$ 21,267	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,267
Lithgow	Reticulation	Mh2129~Mh2130	1890	\$ 19,310	\$ 19,735	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,735
Lithgow	Reticulation	Mh2130~Mh2112	1890	\$ 23,205	\$ 23,716	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,716
Lithgow	Reticulation	Mh2131~Mh2132	1890	\$ 19,903	\$ 20,341	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,341
Lithgow	Reticulation	Mh2132~Mh2111	1890	\$ 18,394	\$ 18,798	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,798
Lithgow	Reticulation	Mh2133~Mh2132	1890	\$ 12,794	\$ 13,075	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,075
Lithgow	Reticulation	Mh2134~Mh2138	1890	\$ 6,295	\$ 6,434	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,434
Lithgow	Reticulation	Mh2135~Mh2134	1890	\$ 3,261	\$ 3,333	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,333
Lithgow	Reticulation	Mh2136~Mh2135	1940	\$ 9,857	\$ 10,074	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,074
Lithgow	Reticulation	Mh2137~Mh2137b	1890	\$ 7,072	\$ 7,227	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,227
Lithgow	Reticulation	Mh2137b~Mh2134	1890	\$ 4,475	\$ 4,573	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,573
Lithgow	Reticulation	Mh2138~Mh2123	1890	\$ 13,245	\$ 13,537	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,537
Lithgow	Reticulation	Mh2139~Mh2137	1890	\$ 12,206	\$ 12,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,475
Lithgow	Reticulation	Mh2140~Mh2150	1996	\$ 12,222	\$ 12,491	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,491
Lithgow	Reticulation	Mh2141~Mh2140	1996	\$ 8,798	\$ 8,991	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,991
Lithgow	Reticulation	Mh2142~Mh2141	1996	\$ 6,328	\$ 6,467	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,467
Lithgow	Reticulation	Mh2143~Mh2142	1996	\$ 14,213	\$ 14,525	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,525
Lithgow	Reticulation	Mh2148~Mh2149	1996	\$ 22,378	\$ 22,871	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,871
Lithgow	Reticulation	Mh2149~Mh170	1996	\$ 2,549	\$ 2,605	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,605
Lithgow	Rising Mains	Mh2150~Mh168	1930	\$ 13,453	\$ 13,749	13,749	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,749
Lithgow	Reticulation	Mh2151~Mh2041	1930	\$ 6,980	\$ 7,134	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,134
Lithgow	Reticulation	Mh221~Mh165	2000	\$ 3,695	\$ 3,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,776
Lithgow	Reticulation	Mh222~Mh221	2000	\$ 7,903	\$ 8,077	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,077
Lithgow	Reticulation	Mh223~Mh221	2000	\$ 4,576	\$ 4,676	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,676
Lithgow	Reticulation	Mh224~Mh223	2000	\$ 10,706	\$ 10,942	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,942
Lithgow	Reticulation	Mh225~Mh222	2000	\$ 26,266	\$ 26,844	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,844
Lithgow	Rising Mains	Mh226~Mh227	2001	\$ 16,747	\$ 17,115	17,115	\$17,115	\$17,115	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh227~Mh229	2001	\$ 12,689	\$ 12,968	12,968	\$12,968	\$12,968	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh228~Mh230	2001	\$ 8,586	\$ 8,775	8,775	\$8,775	\$8,775	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	Mh229~Mh228	2001	\$ 12,739	\$ 13,019	13,019	\$13,019	\$13,019	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	Mh23~Mh2012	1942	\$ 5,695	\$ 5,820	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,820
Lithgow	Rising Mains	Mh230~Mh1381	1912	\$ 9,215	\$ 9,417	9,417	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,417
Lithgow	Reticulation	Mh2300~SPS2153	1980	\$ 20,112	\$ 20,554	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,554

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh231-Mh2081	1996	\$ 10,343	\$ 10,571	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,571
Lithgow	Reticulation	Mh232-Mh235	1996	\$ 16,048	\$ 16,401	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,401
Lithgow	Reticulation	Mh233-Mh232	1996	\$ 15,533	\$ 15,875	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,875
Lithgow	Reticulation	Mh234-Mh233	1996	\$ 15,841	\$ 16,190	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,190
Lithgow	Reticulation	Mh235-Mh231	1996	\$ 10,579	\$ 10,812	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,812
Lithgow	Reticulation	Mh2-4/2809-Mh1-4/2809	1994	\$ 16,095	\$ 16,449	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,449
Lithgow	Reticulation	Mh24-Mh23	1942	\$ 14,048	\$ 14,357	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,357
Lithgow	Reticulation	Mh245-Mh9/84	1970	\$ 29,211	\$ 29,853	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,853
Lithgow	Reticulation	Mh25-Mh26	1942	\$ 15,417	\$ 15,756	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,756
Lithgow	Reticulation	Mh26-Mh27	1942	\$ 10,595	\$ 10,828	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,828
Lithgow	Reticulation	Mh27-Mh28	1942	\$ 5,459	\$ 5,579	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,579
Lithgow	Reticulation	Mh28-Mh29	1942	\$ 5,635	\$ 5,759	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,759
Lithgow	Reticulation	Mh29-Mh1150	1942	\$ 8,732	\$ 8,924	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,924
Lithgow	Reticulation	Mh3/10A-Mh3/10	1910	\$ 19,918	\$ 20,356	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,356
Lithgow	Reticulation	Mh3/10B-Mh3/10A	1910	\$ 6,410	\$ 6,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,551
Lithgow	Reticulation	Mh3/10C-Mh3/10B	1910	\$ 18,372	\$ 18,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,776
Lithgow	Reticulation	Mh3/12A-Mh3/12	1910	\$ 6,560	\$ 6,704	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,704
Lithgow	Reticulation	Mh3/12B-Mh3/12A	1970	\$ 10,847	\$ 11,085	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,085
Lithgow	Reticulation	Mh3/12C-Mh3/12B	1970	\$ 21,211	\$ 21,677	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,677
Lithgow	Reticulation	Mh3/14A-Mh3/14	1910	\$ 11,890	\$ 12,151	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,151
Lithgow	Reticulation	Mh3/14B-Mh3/14A	1970	\$ 23,699	\$ 24,221	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,221
Lithgow	Reticulation	Mh3/14C-Mh3/14B	1940	\$ 11,957	\$ 12,220	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,220
Lithgow	Reticulation	Mh3/14D-Mh3/14C	1940	\$ 4,441	\$ 4,539	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,539
Lithgow	Reticulation	Mh3/14E-Mh3/14D	1970	\$ 15,234	\$ 15,569	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,569
Lithgow	Reticulation	Mh3/14F-Mh3/14E	1970	\$ 14,704	\$ 15,027	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,027
Lithgow	Reticulation	Mh3/14G-Mh3/14D	1970	\$ 12,970	\$ 13,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,256
Lithgow	Reticulation	Mh3/14H-Mh3/14G	1970	\$ 12,305	\$ 12,576	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,576
Lithgow	Reticulation	Mh3/14I-Mh3/14A	1970	\$ 10,604	\$ 10,838	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,838
Lithgow	Reticulation	Mh3/14J-Mh3/14I	1940	\$ 1,908	\$ 1,950	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,950
Lithgow	Reticulation	Mh3/14K-Mh3/14J	1940	\$ 13,076	\$ 13,363	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,363
Lithgow	Reticulation	Mh3/14L-Mh3/14J	1940	\$ 10,230	\$ 10,455	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,455
Lithgow	Reticulation	Mh3/14M-Mh3/14L	1940	\$ 3,504	\$ 3,581	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,581
Lithgow	Reticulation	Mh3/14N-Mh3/14M	1970	\$ 16,264	\$ 16,621	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,621
Lithgow	Reticulation	Mh3/14O-Mh3/14N	1970	\$ 23,407	\$ 23,922	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,922
Lithgow	Reticulation	Mh3/14P-Mh3/14O	1970	\$ 19,518	\$ 19,948	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,948
Lithgow	Reticulation	Mh3/14Q-Mh3/14P	1970	\$ 20,031	\$ 20,471	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,471
Lithgow	Reticulation	Mh3/14R-Mh3/14Q	1970	\$ 18,204	\$ 18,604	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,604
Lithgow	Reticulation	Mh3/14S-Mh3/14M	1970	\$ 24,440	\$ 24,977	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,977
Lithgow	Reticulation	Mh3/14T-Mh3/14S	1970	\$ 12,087	\$ 12,353	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,353
Lithgow	Reticulation	Mh3/152a-Mh1038	1940	\$ 10,188	\$ 10,412	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,412
Lithgow	Reticulation	Mh3/152b-Mh3/152a	1910	\$ 2,441	\$ 2,494	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,494
Lithgow	Reticulation	Mh3/15A-Mh3/15	1970	\$ 10,652	\$ 10,886	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,886
Lithgow	Reticulation	Mh3/15B-Mh3/15A	1970	\$ 10,240	\$ 10,465	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,465
Lithgow	Reticulation	Mh3/15D-Mh3/15A	1970	\$ 8,921	\$ 9,117	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,117
Lithgow	Reticulation	Mh3/17A-Mh3/17	1970	\$ 19,495	\$ 19,924	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,924
Lithgow	Reticulation	Mh3/17B-Mh3/17A	1940	\$ 15,563	\$ 15,906	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,906
Lithgow	Reticulation	Mh3/17C-Mh3/17A	1970	\$ 17,999	\$ 18,395	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,395
Lithgow	Reticulation	Mh3/17D-Mh3/17A	1970	\$ 29,113	\$ 29,753	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,753
Lithgow	Reticulation	Mh3/17F-Mh3/17D	1970	\$ 13,254	\$ 13,545	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,545
Lithgow	Reticulation	Mh3/17G-Mh3/17F	1970	\$ 14,955	\$ 15,284	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,284
Lithgow	Reticulation	Mh3/19A-Mh3/19	1970	\$ 7,665	\$ 7,833	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,833
Lithgow	Reticulation	Mh3/19B-Mh3/19A	1970	\$ 16,734	\$ 17,102	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,102
Lithgow	Rising Mains	Mh3/20-Mh3/19	1970	\$ 4,760	\$ 4,865	\$ 4,865	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,865
Lithgow	Reticulation	Mh3/20A-Mh3/20	1940	\$ 22,256	\$ 22,745	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,745
Lithgow	Reticulation	Mh3/21A-Mh3/21	1970	\$ 15,357	\$ 15,695	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,695
Lithgow	Reticulation	Mh3/21B-Mh3/21A	1970	\$ 15,777	\$ 16,124	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,124
Lithgow	Reticulation	Mh3/21C-Mh3/21B	1970	\$ 16,093	\$ 16,447	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,447
Lithgow	Reticulation	Mh3/21D-Mh3/21C	1970	\$ 19,479	\$ 19,907	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,907
Lithgow	Reticulation	Mh3/21F-Mh3/21	1970	\$ 7,094	\$ 7,250	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,250
Lithgow	Reticulation	Mh3/21G-Mh3/21F	1970	\$ 7,698	\$ 7,868	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,868
Lithgow	Reticulation	Mh3/21H-Mh3/21G	1970	\$ 14,950	\$ 15,279	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,279
Lithgow	Reticulation	Mh3/21I-Mh3/21H	1970	\$ 31,116	\$ 31,801	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,801
Lithgow	Rising Mains	Mh3/23-Mh3/22	1970	\$ 21,677	\$ 22,154	\$ 22,154	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,154
Lithgow	Rising Mains	Mh3/23A-Mh3/23	1970	\$ 16,989	\$ 17,363	\$ 17,363	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,363
Lithgow	Reticulation	Mh3/23AA-Mh3/23Z	1915	\$ 14,529	\$ 14,849	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,849
Lithgow	Reticulation	Mh3/23AB-Mh3/23X	1915	\$ 18,378	\$ 18,782	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,782
Lithgow	Reticulation	Mh3/23AC-Mh3/23AB	1915	\$ 14,371	\$ 14,688	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,688
Lithgow	Reticulation	Mh3/23AD-Mh3/23AC	1915	\$ 14,892	\$ 15,219	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,219
Lithgow	Reticulation	Mh3/23AE-Mh3/23AD	1915	\$ 9,575	\$ 9,785	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,785
Lithgow	Reticulation	Mh3/23AH-Mh323AG	1915	\$ 12,425	\$ 12,698	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,698

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh3/23AI-Mh3/23AH	1915	\$ 11,956	\$ 12,219	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,219
Lithgow	Reticulation	Mh3/23AJ-Mh3/23AH	1915	\$ 19,367	\$ 19,793	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,793
Lithgow	Reticulation	Mh3/23AK-Mh3/23AJ	1915	\$ 7,763	\$ 7,934	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,934
Lithgow	Reticulation	Mh3/23AL-Mh3/23AK	1915	\$ 9,596	\$ 9,807	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,807
Lithgow	Reticulation	Mh3/23AM-Mh3/23AK	1915	\$ 16,075	\$ 16,429	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,429
Lithgow	Reticulation	Mh3/23AN-Mh3/23AM	1915	\$ 10,324	\$ 10,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,551
Lithgow	Reticulation	Mh3/23AO-Mh3/23AJ	1915	\$ 3,707	\$ 3,789	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,789
Lithgow	Reticulation	Mh3/23AP-Mh3/23AO	1915	\$ 12,514	\$ 12,789	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,789
Lithgow	Reticulation	Mh3/23AQ-Mh3/23AP	1915	\$ 7,796	\$ 7,968	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,968
Lithgow	Reticulation	Mh3/23AR-Mh3/23AP	1915	\$ 13,066	\$ 13,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,354
Lithgow	Reticulation	Mh3/23AS-Mh3/23AR	1915	\$ 4,337	\$ 4,432	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,432
Lithgow	Reticulation	Mh3/23AT-Mh3/23AR	1915	\$ 3,427	\$ 3,503	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,503
Lithgow	Reticulation	Mh3/23AU-Mh3/23AO	1915	\$ 18,232	\$ 18,633	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,633
Lithgow	Reticulation	Mh3/23AV-Mh3/23AU	1915	\$ 8,342	\$ 8,525	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,525
Lithgow	Reticulation	Mh3/23AW-Mh3/23AV	1915	\$ 17,050	\$ 17,425	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,425
Lithgow	Reticulation	Mh3/23AY-Mh3/23AV	1915	\$ 10,112	\$ 10,335	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,335
Lithgow	Reticulation	Mh3/23AZ-Mh3/23AY	1915	\$ 10,183	\$ 10,407	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,407
Lithgow	Rising Mains	Mh3/23B-Mh3/23A	1970	\$ 14,703	\$ 15,026	\$ 15,026	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,026
Lithgow	Reticulation	Mh3/23BC-Mh3/23AV	1915	\$ 3,163	\$ 3,233	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,233
Lithgow	Reticulation	Mh3/23BD-Mh3/23BC	1915	\$ 9,065	\$ 9,264	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,264
Lithgow	Reticulation	Mh3/23BE-Mh3/23BD	1915	\$ 15,140	\$ 15,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,473
Lithgow	Reticulation	Mh3/23BF-Mh3/23BE	1915	\$ 11,563	\$ 11,818	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,818
Lithgow	Reticulation	Mh3/23BH-Mh3/23BC	1915	\$ 16,621	\$ 16,986	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,986
Lithgow	Reticulation	Mh3/23BI-Mh3/23BH	1915	\$ 12,551	\$ 12,828	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,828
Lithgow	Reticulation	Mh3/23BJ-Mh3/23BI	1915	\$ 15,314	\$ 15,651	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,651
Lithgow	Reticulation	Mh3/23BK-Mh3/23BJ	1915	\$ 18,847	\$ 19,262	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,262
Lithgow	Reticulation	Mh3/23BM-Mh3/23BI	1915	\$ 11,529	\$ 11,783	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,783
Lithgow	Reticulation	Mh3/23BN-Mh3/23BM	1915	\$ 16,026	\$ 16,379	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,379
Lithgow	Reticulation	Mh3/23BO-Mh3/23BN	1915	\$ 9,045	\$ 9,244	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,244
Lithgow	Reticulation	Mh3/23BP-Mh3/23BO	1915	\$ 6,197	\$ 6,334	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,334
Lithgow	Reticulation	Mh3/23BQ-Mh3/23BP	1915	\$ 8,034	\$ 8,211	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,211
Lithgow	Reticulation	Mh3/23BS-Mh3/23	1970	\$ 11,996	\$ 12,260	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,260
Lithgow	Reticulation	Mh3/23C-Mh3/23B	1970	\$ 16,007	\$ 16,359	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,359
Lithgow	Reticulation	Mh3/23E-Mh3/23B	1970	\$ 9,997	\$ 10,217	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,217
Lithgow	Reticulation	Mh3/23G-Mh3/23E	1970	\$ 9,077	\$ 9,276	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,276
Lithgow	Reticulation	Mh3/23H-Mh3/23G	1970	\$ 5,054	\$ 5,165	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,165
Lithgow	Reticulation	Mh3/23I-Mh3/23E	1970	\$ 6,398	\$ 6,538	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,538
Lithgow	Reticulation	Mh3/23J-Mh3/23I	1940	\$ 3,802	\$ 3,885	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,885
Lithgow	Reticulation	Mh3/23K-Mh3/23J	1915	\$ 8,655	\$ 8,846	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,846
Lithgow	Reticulation	Mh3/23L-Mh3/23J	1915	\$ 5,891	\$ 6,021	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,021
Lithgow	Reticulation	Mh3/23M-Mh3/23L	1915	\$ 9,470	\$ 9,679	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,679
Lithgow	Reticulation	Mh3/23N-Mh3/23M	1915	\$ 11,358	\$ 11,608	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,608
Lithgow	Reticulation	Mh3/23O-Mh3/23N	1915	\$ 5,633	\$ 5,757	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,757
Lithgow	Reticulation	Mh3/23P-Mh3/23L	1915	\$ 17,560	\$ 17,946	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,946
Lithgow	Reticulation	Mh3/23Q-Mh3/23P	1915	\$ 3,954	\$ 4,041	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,041
Lithgow	Reticulation	Mh3/23R-Mh3/23Q	1915	\$ 8,090	\$ 8,268	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,268
Lithgow	Reticulation	Mh3/23S-Mh3/23R	1915	\$ 6,946	\$ 7,099	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,099
Lithgow	Reticulation	Mh3/23T-Mh3/23S	1915	\$ 10,132	\$ 10,355	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,355
Lithgow	Reticulation	Mh3/23U-Mh3/23T	1915	\$ 11,057	\$ 11,300	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,300
Lithgow	Reticulation	Mh3/23V-Mh3/23S	1915	\$ 8,137	\$ 8,316	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,316
Lithgow	Reticulation	Mh3/23W-Mh3/23V	1915	\$ 7,848	\$ 8,021	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,021
Lithgow	Reticulation	Mh3/23X-Mh3/23W	1915	\$ 22,920	\$ 23,424	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,424
Lithgow	Reticulation	Mh3/23Y-Mh3/23X	1915	\$ 6,722	\$ 6,870	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,870
Lithgow	Reticulation	Mh3/23Z-Mh3/23Y	1915	\$ 18,233	\$ 18,634	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,634
Lithgow	Rising Mains	Mh3/24-Mh3/23	1970	\$ 20,915	\$ 21,375	\$ 21,375	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,375
Lithgow	Rising Mains	Mh3/25-Mh3/24	1915	\$ 13,686	\$ 13,987	\$ 13,987	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,987
Lithgow	Reticulation	Mh3/25A-Mh3/25	1915	\$ 4,059	\$ 4,149	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,149
Lithgow	Reticulation	Mh3/25B-Mh3/25A	1915	\$ 23,323	\$ 23,836	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,836
Lithgow	Reticulation	Mh3/25C-Mh3/25B	1915	\$ 8,272	\$ 8,454	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,454
Lithgow	Rising Mains	Mh3/26-Mh3/25	1915	\$ 3,556	\$ 3,635	\$ 3,635	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,635
Lithgow	Reticulation	Mh3/26A-Mh3/26	1915	\$ 11,341	\$ 11,590	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,590
Lithgow	Reticulation	Mh3/26B-Mh3/26A	1915	\$ 4,229	\$ 4,322	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,322
Lithgow	Reticulation	Mh3/26C-Mh3/26A	1915	\$ 15,556	\$ 15,898	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,898
Lithgow	Reticulation	Mh3/26D-Mh3/26	1915	\$ 8,329	\$ 8,512	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,512
Lithgow	Reticulation	Mh3/26E-Mh3/26D	1915	\$ 17,537	\$ 17,922	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,922
Lithgow	Reticulation	Mh3/26F-Mh3/26E	1940	\$ 7,524	\$ 7,689	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,689
Lithgow	Reticulation	Mh3/26G-Mh3/26F	1940	\$ 16,651	\$ 17,018	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,018
Lithgow	Reticulation	Mh3/26I-Mh3/26G	1915	\$ 11,154	\$ 11,400	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,400
Lithgow	Reticulation	Mh3/26K-Mh3/26I	1915	\$ 8,557	\$ 8,745	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,745
Lithgow	Reticulation	Mh3/26L-Mh3/26K	1915	\$ 9,773	\$ 9,988	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,988

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh3/26M-Mh3/26L	1915	\$ 10,518	\$ 10,750	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,750
Lithgow	Reticulation	Mh3/26O-Mh3/26K	1915	\$ 4,119	\$ 4,210	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,210
Lithgow	Reticulation	Mh3/26Q-Mh3/26O	1915	\$ 10,807	\$ 11,045	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,045
Lithgow	Reticulation	Mh3/26R-Mh3/26Q	1915	\$ 11,619	\$ 11,875	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,875
Lithgow	Reticulation	Mh3/26T-Mh3/26Q	1915	\$ 4,198	\$ 4,290	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,290
Lithgow	Reticulation	Mh3/26U-Mh3/26T	1915	\$ 6,381	\$ 6,522	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,522
Lithgow	Reticulation	Mh3/26W-Mh3/26U	1915	\$ 6,580	\$ 6,725	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,725
Lithgow	Reticulation	Mh3/26Y-Mh3/26Q	1915	\$ 17,173	\$ 17,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,551
Lithgow	Rising Mains	Mh3/27-Mh3/26	1915	\$ 16,035	\$ 16,388	16,388	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,388
Lithgow	Reticulation	Mh3/27a-Mh3/27AU	1942	\$ 5,051	\$ 5,162	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,162
Lithgow	Reticulation	Mh3/27AB-Mh3/27X	1940	\$ 11,123	\$ 11,368	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,368
Lithgow	Reticulation	Mh3/27AC-Mh3/27AB	1940	\$ 10,390	\$ 10,619	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,619
Lithgow	Reticulation	Mh3/27AD-Mh3/27AC	1940	\$ 11,317	\$ 11,566	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,566
Lithgow	Reticulation	Mh3/27AE-Mh3/27AD	1940	\$ 18,034	\$ 18,431	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,431
Lithgow	Reticulation	Mh3/27AH-Mh3/27L	1915	\$ 9,271	\$ 9,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,475
Lithgow	Reticulation	Mh3/27AI-Mh3/27AH	1915	\$ 3,308	\$ 3,381	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,381
Lithgow	Reticulation	Mh3/27AK-Mh3/27AH	1915	\$ 19,047	\$ 19,466	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,466
Lithgow	Reticulation	Mh3/27AL-Mh3/27AI	1915	\$ 21,764	\$ 22,243	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,243
Lithgow	Reticulation	Mh3/27AN-Mh3/27AK	1915	\$ 17,518	\$ 17,903	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,903
Lithgow	Reticulation	Mh3/27AO-Mh3/27AN	1915	\$ 11,972	\$ 12,235	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,235
Lithgow	Reticulation	Mh3/27AP-Mh3/27AO	1915	\$ 17,087	\$ 17,463	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,463
Lithgow	Reticulation	Mh3/27AQ-Mh3/27AP	1915	\$ 8,378	\$ 8,562	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,562
Lithgow	Reticulation	Mh3/27AR-Mh3/27AQ	1942	\$ 17,361	\$ 17,743	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,743
Lithgow	Reticulation	Mh3/27AS-Mh3/27AR	1942	\$ 5,948	\$ 6,078	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,078
Lithgow	Reticulation	Mh3/27AT-Mh3/27AR	1942	\$ 11,941	\$ 12,204	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,204
Lithgow	Reticulation	Mh3/27AU-Mh3/27AT	1942	\$ 6,300	\$ 6,439	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,439
Lithgow	Reticulation	Mh3/27b-Mh3/27	1915	\$ 13,398	\$ 13,692	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,692
Lithgow	Reticulation	Mh3/27d-Mh3/27X	1915	\$ 16,866	\$ 17,237	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,237
Lithgow	Reticulation	Mh3/27E-Mh3/27Y	1915	\$ 13,184	\$ 13,474	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,474
Lithgow	Reticulation	Mh3/27G-Mh3/27Y	1915	\$ 5,520	\$ 5,641	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,641
Lithgow	Reticulation	Mh3/27H-Mh3/27G	1915	\$ 6,798	\$ 6,948	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,948
Lithgow	Reticulation	Mh3/27I-Mh3/27H	1915	\$ 4,120	\$ 4,211	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,211
Lithgow	Reticulation	Mh3/27J-Mh3/27I	1915	\$ 16,157	\$ 16,512	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,512
Lithgow	Reticulation	Mh3/27K-Mh3/27I	1915	\$ 17,631	\$ 18,019	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,019
Lithgow	Reticulation	Mh3/27L-Mh3/27G	1915	\$ 9,212	\$ 9,415	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,415
Lithgow	Reticulation	Mh3/27M-Mh3/27L	1915	\$ 9,933	\$ 10,152	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,152
Lithgow	Reticulation	Mh3/27N-Mh3/27M	1915	\$ 12,411	\$ 12,684	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,684
Lithgow	Reticulation	Mh3/27P-Mh3/27N	1915	\$ 11,495	\$ 11,748	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,748
Lithgow	Reticulation	Mh3/27R-Mh3/27P	1915	\$ 11,769	\$ 12,028	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,028
Lithgow	Reticulation	Mh3/27U-Mh3/27R	1915	\$ 10,010	\$ 10,230	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,230
Lithgow	Reticulation	Mh3/27v-Mh3/27b	1915	\$ 19,780	\$ 20,216	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,216
Lithgow	Reticulation	Mh3/27w-Mh3/27v	1915	\$ 7,316	\$ 7,477	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,477
Lithgow	Reticulation	Mh3/27X-Mh3/27U	1915	\$ 12,143	\$ 12,410	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,410
Lithgow	Reticulation	Mh3/27y-Mh3/27	1915	\$ 13,571	\$ 13,869	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,869
Lithgow	Reticulation	Mh3/27z-Mh3/27a	1942	\$ 9,143	\$ 9,344	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,344
Lithgow	Reticulation	Mh3/5A-Mh3/5	1910	\$ 7,589	\$ 7,756	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,756
Lithgow	Reticulation	Mh3/5B-Mh3/5A	1910	\$ 11,516	\$ 11,770	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,770
Lithgow	Reticulation	Mh3/5C-Mh3/5B	1910	\$ 4,382	\$ 4,479	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,479
Lithgow	Reticulation	Mh3/5D-Mh3/5C	1910	\$ 21,209	\$ 21,676	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,676
Lithgow	Reticulation	Mh3/5E-Mh3/5D	1910	\$ 19,558	\$ 19,988	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,988
Lithgow	Reticulation	Mh3/5F-Mh3/5E	1910	\$ 21,034	\$ 21,497	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,497
Lithgow	Reticulation	Mh3/5G-Mh3/5F	1910	\$ 19,365	\$ 19,791	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,791
Lithgow	Reticulation	Mh3/5H-Mh3/5G	1970	\$ 15,629	\$ 15,972	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,972
Lithgow	Reticulation	Mh3/5I-Mh3/5H	1970	\$ 8,315	\$ 8,498	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,498
Lithgow	Reticulation	Mh3/5J-Mh3/5I	1970	\$ 12,394	\$ 12,667	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,667
Lithgow	Reticulation	Mh3/5K-Mh3/5J	1970	\$ 16,981	\$ 17,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,354
Lithgow	Reticulation	Mh3/5L-Mh3/5K	1970	\$ 12,319	\$ 12,590	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,590
Lithgow	Reticulation	Mh3/5M-Mh3/5L	1970	\$ 20,980	\$ 21,442	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,442
Lithgow	Reticulation	Mh3/5N-Mh3/5M	1970	\$ 19,921	\$ 20,360	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,360
Lithgow	Reticulation	Mh3/5O-Mh3/5N	1970	\$ 15,691	\$ 16,036	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,036
Lithgow	Reticulation	Mh3/5P-Mh3/5O	1970	\$ 15,485	\$ 15,826	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,826
Lithgow	Reticulation	Mh3/5Q-Mh3/5P	1970	\$ 17,099	\$ 17,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,475
Lithgow	Reticulation	Mh3/5R-Mh3/5Q	1970	\$ 17,966	\$ 18,362	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,362
Lithgow	Reticulation	Mh3/5S-Mh3/5R	1975	\$ 14,908	\$ 15,236	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,236
Lithgow	Reticulation	Mh3/5T-Mh3/5B	1910	\$ 3,656	\$ 3,737	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,737
Lithgow	Reticulation	Mh3/5U-Mh3/5T	1910	\$ 16,984	\$ 17,358	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,358
Lithgow	Reticulation	Mh3/5V-Mh3/5U	1910	\$ 15,591	\$ 15,934	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,934
Lithgow	Reticulation	Mh3/6A-Mh3/6	1910	\$ 13,309	\$ 13,602	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,602
Lithgow	Reticulation	Mh3/6AA-Mh3/6T	1910	\$ 16,072	\$ 16,425	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,425
Lithgow	Reticulation	Mh3/6AB-Mh3/6AA	1910	\$ 15,693	\$ 16,038	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,038

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area		Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow		Reticulation	Mh3/6AD-Mh3/6A	1910	\$ 18,698	\$ 19,110	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,110
Lithgow		Reticulation	Mh3/6B-Mh3/6A	1910	\$ 11,790	\$ 12,049	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,049
Lithgow		Reticulation	Mh3/6C-Mh3/6B	1910	\$ 11,970	\$ 12,234	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,234
Lithgow		Reticulation	Mh3/6D-Mh3/6C	1910	\$ 3,985	\$ 4,072	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,072
Lithgow		Reticulation	Mh3/6E-Mh3/6D	1910	\$ 12,475	\$ 12,750	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,750
Lithgow		Reticulation	Mh3/6F-Mh3/6E	1910	\$ 6,228	\$ 6,365	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,365
Lithgow		Reticulation	Mh3/6G-Mh3/6F	1910	\$ 11,776	\$ 12,035	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,035
Lithgow		Reticulation	Mh3/6H-Mh3/6D	1910	\$ 20,755	\$ 21,212	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,212
Lithgow		Reticulation	Mh3/6I-Mh3/6H	1910	\$ 21,109	\$ 21,573	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,573
Lithgow		Reticulation	Mh3/6J-Mh3/6I	1910	\$ 2,944	\$ 3,009	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,009
Lithgow		Reticulation	Mh3/6K-Mh3/6J	1910	\$ 13,071	\$ 13,358	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,358
Lithgow		Reticulation	Mh3/6L-Mh3/6K	1910	\$ 14,232	\$ 14,546	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,546
Lithgow		Reticulation	Mh3/6M-Mh3/6L	1910	\$ 19,381	\$ 19,808	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,808
Lithgow		Reticulation	Mh3/6N-Mh3/6M	1910	\$ 14,951	\$ 15,279	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,279
Lithgow		Reticulation	Mh3/6O-Mh3/6N	1970	\$ 6,283	\$ 6,421	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,421
Lithgow		Reticulation	Mh3/6Q-Mh3/6N	1940	\$ 14,936	\$ 15,265	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,265
Lithgow		Reticulation	Mh3/6R-Mh3/6Q	1940	\$ 14,468	\$ 14,786	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,786
Lithgow		Reticulation	Mh3/6T-Mh3/6K	1910	\$ 13,315	\$ 13,608	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,608
Lithgow		Reticulation	Mh3/6U-Mh3/6T	1910	\$ 15,621	\$ 15,964	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,964
Lithgow		Reticulation	Mh3/6W-Mh3/6T	1910	\$ 11,520	\$ 11,774	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,774
Lithgow		Reticulation	Mh3/6X-Mh3/6W	1910	\$ 15,447	\$ 15,786	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,786
Lithgow		Reticulation	Mh3/6Y-Mh3/6X	1910	\$ 13,583	\$ 13,882	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,882
Lithgow		Reticulation	Mh3/6Z-Mh3/6W	1910	\$ 12,963	\$ 13,248	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,248
Lithgow		Reticulation	Mh3/8A-Mh3/8	1910	\$ 6,336	\$ 6,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,475
Lithgow		Reticulation	Mh3/8B-Mh3/8A	1910	\$ 15,662	\$ 16,006	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,006
Lithgow		Reticulation	Mh3/8D-Mh3/8B	1910	\$ 12,999	\$ 13,285	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,285
Lithgow		Reticulation	Mh3/8E-Mh3/8D	1910	\$ 12,710	\$ 12,990	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,990
Lithgow		Reticulation	Mh3/8F-Mh3/8E	1970	\$ 18,076	\$ 18,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,473
Lithgow		Reticulation	Mh3/8G-Mh3/8F	1970	\$ 14,652	\$ 14,974	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,974
Lithgow		Reticulation	Mh3/8H-Mh3/8D	1910	\$ 12,079	\$ 12,345	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,345
Lithgow		Reticulation	Mh3/8I-Mh3/8B	1910	\$ 17,238	\$ 17,617	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,617
Lithgow		Reticulation	Mh3/8J-Mh3/8I	1970	\$ 17,533	\$ 17,919	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,919
Lithgow		Reticulation	Mh3/8K-Mh3/8J	1970	\$ 19,778	\$ 20,213	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,213
Lithgow		Reticulation	Mh3/8L-Mh3/8A	1940	\$ 17,695	\$ 18,084	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,084
Lithgow		Reticulation	Mh3/8M-Mh3/8L	1910	\$ 29,522	\$ 30,171	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,171
Lithgow		Rising Mains	Mh3-Mh2	1942	\$ 17,158	\$ 17,536	\$ 17,536	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,536
Lithgow		Reticulation	Mh30-Mh40	1942	\$ 14,623	\$ 14,944	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,944
Lithgow		Reticulation	Mh301-Mh2301	1980	\$ 20,938	\$ 21,399	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,399
Lithgow		Reticulation	Mh31-Mh30	1942	\$ 10,577	\$ 10,810	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,810
Lithgow		Reticulation	Mh32-Mh31	1942	\$ 4,311	\$ 4,406	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,406
Lithgow		Reticulation	Mh323AG-Mh3/23P	1915	\$ 5,028	\$ 5,139	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,139
Lithgow		Reticulation	Mh33-Mh32	1942	\$ 7,086	\$ 7,242	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,242
Lithgow		Reticulation	Mh3-4/2809-Mh2-4/2809	1994	\$ 17,898	\$ 18,292	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,292
Lithgow		Reticulation	Mh34-Mh33	1942	\$ 3,741	\$ 3,824	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,824
Lithgow		Reticulation	Mh35-Mh34	1942	\$ 7,453	\$ 7,617	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,617
Lithgow		Reticulation	Mh36-Mh35	1942	\$ 1,611	\$ 1,647	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,647
Lithgow		Reticulation	Mh38-Mh2013	1942	\$ 4,992	\$ 5,102	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,102
Lithgow		Reticulation	Mh39-Mh38	1942	\$ 6,956	\$ 7,109	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,109
Lithgow		Rising Mains	Mh4/1-Mh1/16	1930	\$ 11,348	\$ 11,598	\$ 11,598	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,598
Lithgow		Rising Mains	Mh4/10-Mh4/9	1930	\$ 6,871	\$ 7,022	\$ 7,022	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,022
Lithgow		Rising Mains	Mh4/11-Mh4/10	1930	\$ 18,314	\$ 18,717	\$ 18,717	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,717
Lithgow		Rising Mains	Mh4/12-Mh4/11	1930	\$ 14,261	\$ 14,575	\$ 14,575	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,575
Lithgow		Rising Mains	Mh4/13-Mh4/12	1930	\$ 19,519	\$ 19,948	\$ 19,948	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,948
Lithgow		Reticulation	Mh4/14-Mh4/13	1930	\$ 11,652	\$ 11,908	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,908
Lithgow		Reticulation	Mh4/15-Mh4/14	1930	\$ 5,142	\$ 5,255	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,255
Lithgow		Reticulation	Mh4/16-Mh1076	1930	\$ 10,343	\$ 10,571	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,571
Lithgow		Reticulation	Mh4/17-Mh4/16	1996	\$ 9,426	\$ 9,634	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,634
Lithgow		Reticulation	Mh4/18-Mh4/17	1996	\$ 7,471	\$ 7,636	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,636
Lithgow		Reticulation	Mh4/19-Mh4/18	1996	\$ 18,584	\$ 18,993	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,993
Lithgow		Reticulation	Mh4/20-Mh4/19	1996	\$ 7,801	\$ 7,973	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,973
Lithgow		Reticulation	Mh4/21-Mh4/20	1996	\$ 14,244	\$ 14,558	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,558
Lithgow		Reticulation	Mh4/22-Mh4/21	1996	\$ 13,548	\$ 13,846	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,846
Lithgow		Reticulation	Mh4/23-Mh4/22	1996	\$ 16,836	\$ 17,206	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,206
Lithgow		Reticulation	Mh4/24-Mh4/19	1930	\$ 7,780	\$ 7,951	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,951
Lithgow		Reticulation	Mh4/25-Mh4/6	1930	\$ 21,759	\$ 22,238	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,238
Lithgow		Reticulation	Mh4/26-Mh4/25	1930	\$ 10,306	\$ 10,533	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,533
Lithgow		Reticulation	Mh4/27-Mh4/26	1930	\$ 8,036	\$ 8,213	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,213
Lithgow		Reticulation	Mh4/28-Mh4/27	1930	\$ 17,014	\$ 17,388	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,388
Lithgow		Reticulation	Mh4/29-Mh4/28	1930	\$ 20,918	\$ 21,378	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,378
Lithgow		Rising Mains	Mh4/2a-Mh4/1	1930	\$ 6,182	\$ 6,318	\$ 6,318	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,318

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh4/30~Mh4/29	1930	\$ 7,290	\$ 7,450	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,450
Lithgow	Reticulation	Mh4/31~Mh4/2a	1930	\$ 19,008	\$ 19,426	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,426
Lithgow	Reticulation	Mh4/32~Mh4/31	1930	\$ 23,219	\$ 23,729	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,729
Lithgow	Reticulation	Mh4/33~Mh4/32	1930	\$ 16,292	\$ 16,650	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,650
Lithgow	Reticulation	Mh4/34~Mh4/33	1930	\$ 21,433	\$ 21,905	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,905
Lithgow	Reticulation	Mh4/35~Mh4/34	1930	\$ 10,160	\$ 10,383	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,383
Lithgow	Reticulation	Mh4/36~Mh4/35	1930	\$ 12,528	\$ 12,804	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,804
Lithgow	Reticulation	Mh4/37~Mh4/36	1930	\$ 15,327	\$ 15,664	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,664
Lithgow	Rising Mains	Mh4/3a~Mh4/2a	1930	\$ 2,785	\$ 2,846	\$ 2,846	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,846
Lithgow	Rising Mains	Mh4/4~Mh4/3a	1930	\$ 11,341	\$ 11,591	\$ 11,591	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,591
Lithgow	Rising Mains	Mh4/5~Mh4/4	1930	\$ 12,631	\$ 12,909	\$ 12,909	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,909
Lithgow	Rising Mains	Mh4/6~Mh4/5	1930	\$ 11,744	\$ 12,002	\$ 12,002	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,002
Lithgow	Rising Mains	Mh4/7~Mh4/6	1930	\$ 14,769	\$ 15,094	\$ 15,094	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,094
Lithgow	Rising Mains	Mh4/8~Mh4/7	1930	\$ 11,824	\$ 12,084	\$ 12,084	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,084
Lithgow	Rising Mains	Mh4/9~Mh4/8	1930	\$ 14,203	\$ 14,515	\$ 14,515	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,515
Lithgow	Reticulation	Mh40~Mh41	1942	\$ 17,027	\$ 17,401	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,401
Lithgow	Reticulation	Mh41~Mh1	1942	\$ 9,034	\$ 9,233	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,233
Lithgow	Reticulation	Mh42~Mh31	1942	\$ 2,236	\$ 2,285	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,285
Lithgow	Reticulation	Mh43~Mh42	1942	\$ 6,007	\$ 6,139	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,139
Lithgow	Reticulation	Mh4~4/2809~Mh3~4/2809	1994	\$ 7,934	\$ 8,109	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,109
Lithgow	Reticulation	Mh46~Mh45	1940	\$ 11,461	\$ 11,713	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,713
Lithgow	Reticulation	Mh47~Mh46	1940	\$ 25,121	\$ 25,673	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,673
Lithgow	Reticulation	Mh48~Mh1034	1912	\$ 29,636	\$ 30,288	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,288
Lithgow	Reticulation	Mh49~Mh1/24	1930	\$ 8,565	\$ 8,753	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,753
Lithgow	Rising Mains	Mh5/10~Mh5/9	1912	\$ 17,707	\$ 18,097	\$ 18,097	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,097
Lithgow	Reticulation	Mh5/100~Mh5/99	1912	\$ 12,587	\$ 12,864	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,864
Lithgow	Reticulation	Mh5/101~Mh5/100	1912	\$ 4,125	\$ 4,215	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,215
Lithgow	Reticulation	Mh5/102~Mh5/100	1912	\$ 2,508	\$ 2,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,563
Lithgow	Reticulation	Mh5/103~Mh5/95	1912	\$ 12,204	\$ 12,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,473
Lithgow	Reticulation	Mh5/104~Mh5/103	1912	\$ 9,435	\$ 9,643	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,643
Lithgow	Reticulation	Mh5/105~Mh5/103	1912	\$ 20,815	\$ 21,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,273
Lithgow	Reticulation	Mh5/106~Mh5/105	1912	\$ 4,990	\$ 5,099	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,099
Lithgow	Reticulation	Mh5/107~Mh5/105	1912	\$ 13,196	\$ 13,487	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,487
Lithgow	Reticulation	Mh5/108~Mh5/107	1912	\$ 9,202	\$ 9,404	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,404
Lithgow	Reticulation	Mh5/109~Mh5/107	1912	\$ 15,893	\$ 16,243	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,243
Lithgow	Rising Mains	Mh5/11~Mh5/10	1912	\$ 13,182	\$ 13,472	\$ 13,472	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,472
Lithgow	Reticulation	Mh5/111~Mh5/109	1912	\$ 10,217	\$ 10,442	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,442
Lithgow	Reticulation	Mh5/113~Mh5/111	1912	\$ 8,732	\$ 8,924	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,924
Lithgow	Reticulation	Mh5/114~Mh5/113	1912	\$ 17,299	\$ 17,679	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,679
Lithgow	Reticulation	Mh5/115~Mh5/113	1912	\$ 17,128	\$ 17,505	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,505
Lithgow	Reticulation	Mh5/117~Mh5/115	1912	\$ 3,413	\$ 3,488	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,488
Lithgow	Reticulation	Mh5/118~Mh5/94	1912	\$ 13,949	\$ 14,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,256
Lithgow	Rising Mains	Mh5/12~Mh5/11	1912	\$ 6,581	\$ 6,726	\$ 6,726	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,726
Lithgow	Reticulation	Mh5/120~Mh5/118	1912	\$ 17,334	\$ 17,715	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,715
Lithgow	Reticulation	Mh5/121~Mh5/120	1912	\$ 20,430	\$ 20,880	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,880
Lithgow	Reticulation	Mh5/122~Mh5/121	1912	\$ 21,124	\$ 21,589	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,589
Lithgow	Reticulation	Mh5/123~Mh5/122	1912	\$ 21,183	\$ 21,649	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,649
Lithgow	Reticulation	Mh5/124~Mh5/123	1912	\$ 20,671	\$ 21,126	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,126
Lithgow	Reticulation	Mh5/125~Mh5/124	1912	\$ 20,079	\$ 20,521	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,521
Lithgow	Reticulation	Mh5/126~Mh5/125	1912	\$ 21,011	\$ 21,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,473
Lithgow	Reticulation	Mh5/127~Mh5/126	1912	\$ 10,356	\$ 10,583	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,583
Lithgow	Reticulation	Mh5/128~Mh5/127	1912	\$ 10,442	\$ 10,672	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,672
Lithgow	Reticulation	Mh5/129~Mh5/124	1912	\$ 18,650	\$ 19,060	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,060
Lithgow	Rising Mains	Mh5/13~Mh5/12	1912	\$ 10,912	\$ 11,152	\$ 11,152	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,152
Lithgow	Reticulation	Mh5/130~Mh5/129	1912	\$ 16,069	\$ 16,423	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,423
Lithgow	Reticulation	Mh5/131~Mh5/130	1912	\$ 13,318	\$ 13,611	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,611
Lithgow	Reticulation	Mh5/133~Mh1080	1912	\$ 17,709	\$ 18,099	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,099
Lithgow	Reticulation	Mh5/134~Mh1/15	1930	\$ 19,841	\$ 20,278	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,278
Lithgow	Reticulation	Mh5/135~Mh5/134	1930	\$ 7,455	\$ 7,619	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,619
Lithgow	Reticulation	Mh5/136~Mh1362	1930	\$ 20,968	\$ 21,429	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,429
Lithgow	Reticulation	Mh5/137~Mh5/136	1930	\$ 10,837	\$ 11,075	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,075
Lithgow	Reticulation	Mh5/138~Mh5/137	1930	\$ 8,909	\$ 9,105	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,105
Lithgow	Reticulation	Mh5/139~Mh5/138	1930	\$ 8,264	\$ 8,445	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,445
Lithgow	Rising Mains	Mh5/14~Mh5/13	1912	\$ 11,372	\$ 11,622	\$ 11,622	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,622
Lithgow	Reticulation	Mh5/140~Mh5/138	1930	\$ 14,862	\$ 15,189	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,189
Lithgow	Reticulation	Mh5/141~Mh5/137	1930	\$ 12,651	\$ 12,929	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,929
Lithgow	Reticulation	Mh5/142~Mh5/141	1930	\$ 7,646	\$ 7,815	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,815
Lithgow	Reticulation	Mh5/143~Mh5/141	1930	\$ 15,312	\$ 15,649	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,649

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh5/144-Mh5/143	1930	\$ 10,687	\$ 10,922	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,922
Lithgow	Reticulation	Mh5/145-Mh5/10	1912	\$ 21,605	\$ 22,080	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,080
Lithgow	Reticulation	Mh5/146-Mh5/145	1912	\$ 17,643	\$ 18,031	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,031
Lithgow	Reticulation	Mh5/147-Mh5/146	1912	\$ 12,575	\$ 12,852	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,852
Lithgow	Rising Mains	Mh5/15-Mh5/14	1912	\$ 17,078	\$ 17,454	\$ 17,454	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,454
Lithgow	Rising Mains	Mh5/16-Mh5/15	1912	\$ 14,197	\$ 14,509	\$ 14,509	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,509
Lithgow	Rising Mains	Mh5/17-Mh5/16	1912	\$ 16,256	\$ 16,613	\$ 16,613	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,613
Lithgow	Reticulation	Mh5/18-Mh5/17	1912	\$ 24,596	\$ 25,137	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,137
Lithgow	Reticulation	Mh5/19-Mh5/18	1912	\$ 22,379	\$ 22,871	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,871
Lithgow	Rising Mains	Mh5/1a-Mh1/18	1930	\$ 18,289	\$ 18,691	\$ 18,691	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,691
Lithgow	Reticulation	Mh5/20-Mh5/16	1912	\$ 6,446	\$ 6,588	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,588
Lithgow	Reticulation	Mh5/21-Mh5/20	1912	\$ 21,261	\$ 21,728	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,728
Lithgow	Reticulation	Mh5/22-Mh5/21	1912	\$ 21,896	\$ 22,378	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,378
Lithgow	Reticulation	Mh5/23-Mh5/22	1912	\$ 16,864	\$ 17,235	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,235
Lithgow	Reticulation	Mh5/24-Mh5/20	1912	\$ 20,076	\$ 20,518	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,518
Lithgow	Reticulation	Mh5/25-Mh5/24	1912	\$ 11,468	\$ 11,721	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,721
Lithgow	Reticulation	Mh5/26-Mh5/25	1912	\$ 8,596	\$ 8,785	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,785
Lithgow	Reticulation	Mh5/27-Mh5/26	1912	\$ 20,069	\$ 20,511	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,511
Lithgow	Reticulation	Mh5/28-Mh5/25	1912	\$ 12,987	\$ 13,272	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,272
Lithgow	Reticulation	Mh5/29-Mh5/28	1912	\$ 6,742	\$ 6,890	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,890
Lithgow	Rising Mains	Mh5/2a-Mh5/1a	1930	\$ 9,397	\$ 9,604	\$ 9,604	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,604
Lithgow	Reticulation	Mh5/30-Mh5/29	1912	\$ 16,991	\$ 17,365	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,365
Lithgow	Reticulation	Mh5/31-Mh5/30	1912	\$ 11,804	\$ 12,064	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,064
Lithgow	Reticulation	Mh5/32-Mh5/31	1912	\$ 15,965	\$ 16,316	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,316
Lithgow	Reticulation	Mh5/33a-Mh5/32	1912	\$ 6,619	\$ 6,765	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,765
Lithgow	Reticulation	Mh5/33b-Mh5/33a	1912	\$ 14,752	\$ 15,076	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,076
Lithgow	Reticulation	Mh5/33c-Mh5/33b	1912	\$ 14,791	\$ 15,116	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,116
Lithgow	Reticulation	Mh5/33d-Mh5/33c	1912	\$ 14,434	\$ 14,751	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,751
Lithgow	Reticulation	Mh5/33e-Mh5/33d	1912	\$ 12,216	\$ 12,485	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,485
Lithgow	Reticulation	Mh5/34-Mh5/35	1912	\$ 20,066	\$ 20,508	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,508
Lithgow	Reticulation	Mh5/35-Mh5/36	1912	\$ 20,459	\$ 20,910	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,910
Lithgow	Reticulation	Mh5/36-Mh5/37	1912	\$ 12,524	\$ 12,800	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,800
Lithgow	Reticulation	Mh5/37-Mh5/7	1912	\$ 16,426	\$ 16,787	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,787
Lithgow	Reticulation	Mh5/38-Mh5/36	1912	\$ 14,937	\$ 15,266	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,266
Lithgow	Reticulation	Mh5/39-Mh5/38	1912	\$ 20,940	\$ 21,401	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,401
Lithgow	Rising Mains	Mh5/3a-Mh5/2a	1930	\$ 12,459	\$ 12,733	\$ 12,733	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,733
Lithgow	Rising Mains	Mh5/4-Mh5/3a	1912	\$ 7,599	\$ 7,766	\$ 7,766	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,766
Lithgow	Reticulation	Mh5/40-Mh5/39	1912	\$ 20,938	\$ 21,399	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,399
Lithgow	Reticulation	Mh5/41-Mh5/40	1912	\$ 19,436	\$ 19,863	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,863
Lithgow	Reticulation	Mh5/42-Mh5/41	1912	\$ 8,443	\$ 8,629	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,629
Lithgow	Reticulation	Mh5/43-Mh5/42	1912	\$ 20,824	\$ 21,282	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,282
Lithgow	Reticulation	Mh5/44-Mh5/42	1912	\$ 12,373	\$ 12,645	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,645
Lithgow	Reticulation	Mh5/45-Mh5/44	1912	\$ 19,905	\$ 20,343	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,343
Lithgow	Reticulation	Mh5/46-Mh5/44	1912	\$ 20,291	\$ 20,737	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,737
Lithgow	Reticulation	Mh5/47-Mh5/38	1912	\$ 12,900	\$ 13,184	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,184
Lithgow	Reticulation	Mh5/48-Mh5/47	1912	\$ 20,805	\$ 21,263	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,263
Lithgow	Reticulation	Mh5/49-Mh5/48	1912	\$ 10,638	\$ 10,872	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,872
Lithgow	Rising Mains	Mh5/5-Mh5/4	1912	\$ 11,166	\$ 11,412	\$ 11,412	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,412
Lithgow	Reticulation	Mh5/50-Mh5/47	1912	\$ 15,698	\$ 16,043	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,043
Lithgow	Reticulation	Mh5/51-Mh5/50	1912	\$ 19,155	\$ 19,576	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,576
Lithgow	Reticulation	Mh5/52-Mh5/51	1912	\$ 16,080	\$ 16,434	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,434
Lithgow	Reticulation	Mh5/53-Mh5/52	1912	\$ 20,009	\$ 20,449	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,449
Lithgow	Reticulation	Mh5/54-Mh5/53	1912	\$ 18,653	\$ 19,063	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,063
Lithgow	Reticulation	Mh5/55-Mh5/54	1912	\$ 22,520	\$ 23,015	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,015
Lithgow	Reticulation	Mh5/56-Mh5/55	1912	\$ 7,634	\$ 7,802	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,802
Lithgow	Reticulation	Mh5/57-Mh5/6	1912	\$ 15,489	\$ 15,830	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,830
Lithgow	Reticulation	Mh5/58-Mh5/57	1912	\$ 21,498	\$ 21,970	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,970
Lithgow	Reticulation	Mh5/59-Mh5/58	1912	\$ 20,003	\$ 20,443	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,443
Lithgow	Reticulation	Mh5/60-Mh5/59	1912	\$ 20,111	\$ 20,554	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,554
Lithgow	Reticulation	Mh5/61-Mh5/60	1912	\$ 20,694	\$ 21,150	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,150
Lithgow	Reticulation	Mh5/62-Mh5/61	1912	\$ 20,594	\$ 21,047	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,047
Lithgow	Reticulation	Mh5/63-Mh5/62	1912	\$ 7,771	\$ 7,942	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,942
Lithgow	Reticulation	Mh5/64-Mh5/5	1912	\$ 29,908	\$ 30,566	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,566
Lithgow	Reticulation	Mh5/65-Mh5/64	1912	\$ 12,486	\$ 12,761	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,761
Lithgow	Reticulation	Mh5/66-Mh5/65	1912	\$ 12,693	\$ 12,973	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,973
Lithgow	Reticulation	Mh5/67-Mh5/66	1912	\$ 14,357	\$ 14,673	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,673

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh5/68-Mh5/67	1912	\$ 20,286	\$ 20,732	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,732
Lithgow	Reticulation	Mh5/69-Mh5/68	1912	\$ 19,221	\$ 19,644	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,644
Lithgow	Rising Mains	Mh5/7-Mh5/6	1912	\$ 12,327	\$ 12,598	\$ 12,598	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,598
Lithgow	Reticulation	Mh5/70-Mh5/69	1912	\$ 15,724	\$ 16,070	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,070
Lithgow	Reticulation	Mh5/71-Mh5/70	1912	\$ 23,459	\$ 23,975	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,975
Lithgow	Reticulation	Mh5/72-Mh5/71	1912	\$ 10,875	\$ 11,114	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,114
Lithgow	Reticulation	Mh5/73-Mh5/72	1912	\$ 6,487	\$ 6,630	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,630
Lithgow	Reticulation	Mh5/74-Mh5/73	1912	\$ 11,217	\$ 11,464	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,464
Lithgow	Reticulation	Mh5/75-Mh5/74	1912	\$ 6,088	\$ 6,222	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,222
Lithgow	Reticulation	Mh5/76-Mh1079	1912	\$ 11,533	\$ 11,786	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,786
Lithgow	Reticulation	Mh5/77-Mh5/76	1912	\$ 8,744	\$ 8,936	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,936
Lithgow	Reticulation	Mh5/78-Mh5/77	1912	\$ 12,746	\$ 13,026	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,026
Lithgow	Reticulation	Mh5/79-Mh5/78	1912	\$ 17,601	\$ 17,988	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,988
Lithgow	Rising Mains	Mh5/8-Mh5/7	1912	\$ 9,007	\$ 9,205	\$ 9,205	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,205
Lithgow	Reticulation	Mh5/80-Mh5/79	1912	\$ 20,584	\$ 21,037	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,037
Lithgow	Reticulation	Mh5/81-Mh5/77	1912	\$ 17,376	\$ 17,759	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,759
Lithgow	Reticulation	Mh5/82-Mh5/81	1912	\$ 19,053	\$ 19,472	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,472
Lithgow	Reticulation	Mh5/83-Mh5/82	1912	\$ 18,184	\$ 18,584	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,584
Lithgow	Reticulation	Mh5/84-Mh5/83	1912	\$ 17,668	\$ 18,057	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,057
Lithgow	Reticulation	Mh5/85-Mh5/84	1912	\$ 15,430	\$ 15,769	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,769
Lithgow	Reticulation	Mh5/86-Mh5/85	1912	\$ 18,845	\$ 19,260	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,260
Lithgow	Reticulation	Mh5/87-Mh5/86	1912	\$ 15,320	\$ 15,657	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,657
Lithgow	Reticulation	Mh5/88-Mh5/87	1912	\$ 7,688	\$ 7,857	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,857
Lithgow	Reticulation	Mh5/89-Mh5/87	1912	\$ 12,572	\$ 12,849	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,849
Lithgow	Rising Mains	Mh5/9-Mh5/8	1912	\$ 18,960	\$ 19,378	\$ 19,378	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,378
Lithgow	Reticulation	Mh5/90-Mh5/89	1912	\$ 3,104	\$ 3,173	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,173
Lithgow	Reticulation	Mh5/91-Mh5/89	1912	\$ 13,976	\$ 14,283	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,283
Lithgow	Reticulation	Mh5/92-Mh5/91	1912	\$ 17,892	\$ 18,285	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,285
Lithgow	Reticulation	Mh5/93-Mh5/92	1912	\$ 12,515	\$ 12,790	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,790
Lithgow	Reticulation	Mh5/94-Mh5/90	1912	\$ 21,896	\$ 22,378	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,378
Lithgow	Reticulation	Mh5/95-Mh5/94	1912	\$ 14,715	\$ 15,039	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,039
Lithgow	Reticulation	Mh5/96-Mh5/95	1912	\$ 5,791	\$ 5,919	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,919
Lithgow	Reticulation	Mh5/97-Mh5/96	1912	\$ 19,529	\$ 19,958	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,958
Lithgow	Reticulation	Mh5/98-Mh5/97	1912	\$ 19,991	\$ 20,431	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,431
Lithgow	Reticulation	Mh5/99-Mh5/98	1912	\$ 11,084	\$ 11,297	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,297
Lithgow	Rising Mains	Mh5-Mh3	1942	\$ 11,535	\$ 11,789	\$ 11,789	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,789
Lithgow	Reticulation	Mh50-Mh49	1930	\$ 17,408	\$ 17,791	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,791
Lithgow	Reticulation	Mh51-Mh50	1930	\$ 16,949	\$ 17,322	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,322
Lithgow	Reticulation	Mh52-Mh51	1930	\$ 9,096	\$ 9,296	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,296
Lithgow	Reticulation	Mh53-Mh1/22	1930	\$ 8,838	\$ 9,032	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,032
Lithgow	Reticulation	Mh5-4/2809-Mh4-4/2809	1994	\$ 12,570	\$ 12,847	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,847
Lithgow	Reticulation	Mh54-Mh53	1930	\$ 4,676	\$ 4,778	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,778
Lithgow	Reticulation	Mh55-Mh54	1930	\$ 13,104	\$ 13,393	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,393
Lithgow	Reticulation	Mh56-Mh55	1930	\$ 13,127	\$ 13,416	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,416
Lithgow	Reticulation	Mh57-Mh56	1930	\$ 10,137	\$ 10,360	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,360
Lithgow	Reticulation	Mh58-Mh1/6	1954	\$ 2,390	\$ 2,443	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,443
Lithgow	Reticulation	Mh59-Mh2068	1980	\$ 15,649	\$ 15,993	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,993
Lithgow	Rising Mains	Mh6/10-Mh6/9	1912	\$ 10,325	\$ 10,552	\$ 10,552	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,552
Lithgow	Rising Mains	Mh6/11-Mh6/10	1912	\$ 5,538	\$ 5,660	\$ 5,660	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,660
Lithgow	Rising Mains	Mh6/12-Mh6/11	1912	\$ 10,707	\$ 10,942	\$ 10,942	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,942
Lithgow	Reticulation	Mh6/13-Mh6/11	1912	\$ 8,710	\$ 8,902	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,902
Lithgow	Reticulation	Mh6/14-Mh6/13	1912	\$ 16,305	\$ 16,664	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,664
Lithgow	Reticulation	Mh6/15-Mh6/14	1912	\$ 3,677	\$ 3,758	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,758
Lithgow	Reticulation	Mh6/16-Mh6/15	1912	\$ 9,023	\$ 9,221	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,221
Lithgow	Reticulation	Mh6/17-Mh6/15	1885	\$ 13,161	\$ 13,450	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,450
Lithgow	Reticulation	Mh6/18-Mh6/17	1885	\$ 6,791	\$ 6,941	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,941
Lithgow	Reticulation	Mh6/19-Mh6/18	1885	\$ 17,067	\$ 17,442	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,442
Lithgow	Rising Mains	Mh6/1a-Mh1/25	1930	\$ 8,553	\$ 8,741	\$ 8,741	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,741
Lithgow	Reticulation	Mh6/20-Mh6/19	1885	\$ 3,270	\$ 3,341	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,341
Lithgow	Reticulation	Mh6/21-Mh6/7	1912	\$ 8,426	\$ 8,611	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,611
Lithgow	Reticulation	Mh6/22-Mh6/21	1885	\$ 10,137	\$ 10,360	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,360
Lithgow	Reticulation	Mh6/23-Mh6/22	1885	\$ 14,989	\$ 15,319	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,319
Lithgow	Reticulation	Mh6/24-Mh6/23	1885	\$ 9,748	\$ 9,963	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,963
Lithgow	Reticulation	Mh6/25-Mh6/24	1885	\$ 21,213	\$ 21,679	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,679
Lithgow	Reticulation	Mh6/26-Mh6/24	1885	\$ 10,947	\$ 11,188	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,188
Lithgow	Reticulation	Mh6/27-Mh6/26	1885	\$ 4,767	\$ 4,872	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,872
Lithgow	Reticulation	Mh6/28-Mh6/27	1885	\$ 3,863	\$ 3,948	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,948

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh6/29-Mh6/28	1885	\$ 9,333	\$ 9,539	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,539
Lithgow	Rising Mains	Mh6/2a-Mh6/1a	1930	\$ 18,360	\$ 18,764	\$ 18,764	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,764
Lithgow	Rising Mains	Mh6/3-Mh6/2a	1930	\$ 17,735	\$ 18,125	\$ 18,125	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,125
Lithgow	Reticulation	Mh6/30-Mh6/29	1885	\$ 17,943	\$ 18,338	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,338
Lithgow	Reticulation	Mh6/31-Mh6/30	1885	\$ 8,537	\$ 8,725	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,725
Lithgow	Reticulation	Mh6/32-Mh6/28	1885	\$ 10,228	\$ 10,453	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,453
Lithgow	Reticulation	Mh6/33-Mh6/32	1885	\$ 6,077	\$ 6,211	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,211
Lithgow	Reticulation	Mh6/34-Mh6/33	1885	\$ 6,426	\$ 6,568	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,568
Lithgow	Reticulation	Mh6/35-Mh6/34	1885	\$ 10,773	\$ 11,010	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,010
Lithgow	Reticulation	Mh6/36-Mh6/35	1885	\$ 8,406	\$ 8,591	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,591
Lithgow	Reticulation	Mh6/37-Mh6/36	1885	\$ 6,916	\$ 7,068	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,068
Lithgow	Reticulation	Mh6/38-Mh6/37	1885	\$ 5,863	\$ 5,992	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,992
Lithgow	Reticulation	Mh6/39-Mh1074	1885	\$ 12,591	\$ 12,868	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,868
Lithgow	Rising Mains	Mh6/4-Mh6/3	1930	\$ 11,189	\$ 11,436	\$ 11,436	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,436
Lithgow	Reticulation	Mh6/40-Mh6/39	1885	\$ 18,457	\$ 18,863	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,863
Lithgow	Reticulation	Mh6/41-Mh6/40	1885	\$ 7,160	\$ 7,317	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,317
Lithgow	Reticulation	Mh6/42-Mh6/43	1885	\$ 14,178	\$ 14,490	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,490
Lithgow	Reticulation	Mh6/43-Mh6/45	1885	\$ 15,215	\$ 15,550	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,550
Lithgow	Reticulation	Mh6/44-Mh6/43	1885	\$ 19,393	\$ 19,819	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,819
Lithgow	Reticulation	Mh6/45-Mh1075	1940	\$ 6,971	\$ 7,124	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,124
Lithgow	Reticulation	Mh6/46-Mh1075	1885	\$ 15,124	\$ 15,456	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,456
Lithgow	Reticulation	Mh6/47-Mh6/42	1885	\$ 15,156	\$ 15,489	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,489
Lithgow	Reticulation	Mh6/48-Mh6/47	1885	\$ 9,002	\$ 9,200	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,200
Lithgow	Reticulation	Mh6/49-Mh6/48	1885	\$ 16,358	\$ 16,718	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,718
Lithgow	Rising Mains	Mh6/5-Mh6/4	1912	\$ 7,540	\$ 7,705	\$ 7,705	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,705
Lithgow	Reticulation	Mh6/50-Mh6/49	1885	\$ 15,143	\$ 15,476	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,476
Lithgow	Reticulation	Mh6/51-Mh6/48	1885	\$ 14,200	\$ 14,513	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,513
Lithgow	Reticulation	Mh6/52-Mh6/51	1885	\$ 7,670	\$ 7,839	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,839
Lithgow	Reticulation	Mh6/53-Mh6/52	1885	\$ 18,362	\$ 18,766	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,766
Lithgow	Reticulation	Mh6/54-Mh6/52	1885	\$ 12,281	\$ 12,552	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,552
Lithgow	Reticulation	Mh6/55a-Mh6/55b	1885	\$ 7,962	\$ 8,137	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,137
Lithgow	Reticulation	Mh6/55b-Mh6/54	1885	\$ 13,941	\$ 14,247	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,247
Lithgow	Reticulation	Mh6/56-Mh6/37	1885	\$ 16,736	\$ 17,104	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,104
Lithgow	Reticulation	Mh6/57-Mh6/56	1885	\$ 29,029	\$ 29,668	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,668
Lithgow	Reticulation	Mh6/58-Mh6/22	1885	\$ 18,534	\$ 18,942	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,942
Lithgow	Reticulation	Mh6/59-Mh6/58	1885	\$ 11,627	\$ 11,883	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,883
Lithgow	Rising Mains	Mh6/6-Mh6/5	1912	\$ 11,601	\$ 11,856	\$ 11,856	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,856
Lithgow	Reticulation	Mh6/60-Mh6/6	1912	\$ 5,729	\$ 5,855	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,855
Lithgow	Reticulation	Mh6/61-Mh6/4	1930	\$ 13,862	\$ 14,167	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,167
Lithgow	Reticulation	Mh6/62-Mh6/61	1930	\$ 7,011	\$ 7,165	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,165
Lithgow	Reticulation	Mh6/63-Mh6/62	1930	\$ 13,406	\$ 13,701	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,701
Lithgow	Reticulation	Mh6/64-Mh6/63	1930	\$ 16,173	\$ 16,529	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,529
Lithgow	Reticulation	Mh6/65-Mh6/60	1912	\$ 20,720	\$ 21,175	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,175
Lithgow	Reticulation	Mh6/66-Mh6/65	1912	\$ 11,573	\$ 11,827	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,827
Lithgow	Reticulation	Mh6/67-Mh6/66	1912	\$ 19,599	\$ 20,030	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,030
Lithgow	Reticulation	Mh6/68-Mh6/67	1912	\$ 22,370	\$ 22,862	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,862
Lithgow	Reticulation	Mh6/69-Mh6/68	1912	\$ 17,192	\$ 17,570	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,570
Lithgow	Rising Mains	Mh6/7-Mh6/6	1912	\$ 8,022	\$ 8,198	\$ 8,198	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,198
Lithgow	Reticulation	Mh6/70-Mh6/69	1912	\$ 12,385	\$ 12,657	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,657
Lithgow	Reticulation	Mh6/71-Mh6/70	1912	\$ 10,422	\$ 10,651	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,651
Lithgow	Reticulation	Mh6/72-Mh6/71	1912	\$ 7,881	\$ 8,054	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,054
Lithgow	Reticulation	Mh6/73-Mh6/72	1912	\$ 5,908	\$ 6,038	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,038
Lithgow	Reticulation	Mh6/74-Mh6/73	1912	\$ 10,381	\$ 10,609	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,609
Lithgow	Reticulation	Mh6/75-Mh6/69	1912	\$ 65,717	\$ 67,162	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$67,162
Lithgow	Rising Mains	Mh6/8-Mh6/7	1912	\$ 10,514	\$ 10,745	\$ 10,745	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,745
Lithgow	Rising Mains	Mh6/9-Mh6/8	1912	\$ 7,272	\$ 7,432	\$ 7,432	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,432
Lithgow	Rising Mains	Mh6-Mh5	1942	\$ 5,981	\$ 6,113	\$ 6,113	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,113
Lithgow	Reticulation	Mh60-Mh124	1980	\$ 4,514	\$ 4,614	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,614
Lithgow	Reticulation	Mh61-Mh60	1980	\$ 13,128	\$ 13,417	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,417
Lithgow	Reticulation	Mh62-Mh59	1980	\$ 14,274	\$ 14,588	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,588
Lithgow	Reticulation	Mh63-Mh62	1980	\$ 20,393	\$ 20,842	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,842
Lithgow	Reticulation	Mh6-4/2809-Mh5-4/2809	1994	\$ 7,008	\$ 7,162	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,162
Lithgow	Reticulation	Mh64-Mh65	1996	\$ 28,933	\$ 29,570	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,570
Lithgow	Reticulation	Mh65-Mh1/35	1996	\$ 10,583	\$ 10,816	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,816
Lithgow	Reticulation	Mh66-Mh1/32	1930	\$ 19,563	\$ 19,993	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,993
Lithgow	Reticulation	Mh67-Mh2031	1996	\$ 7,727	\$ 7,897	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,897
Lithgow	Reticulation	Mh68-Mh69	1905	\$ 10,072	\$ 10,293	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,293
Lithgow	Reticulation	Mh69-Mh2025	1930	\$ 18,589	\$ 18,998	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,998
Lithgow	Reticulation	Mh7/10-Mh7/9	1885	\$ 13,737	\$ 14,039	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,039
Lithgow	Rising Mains	Mh7/11-Mh7/9	1885	\$ 9,235	\$ 9,438	\$ 9,438	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,438

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh7/12-Mh7/19	1885	\$ 8,614	\$ 8,804	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,804
Lithgow	Rising Mains	Mh7/13-Mh7/11	1885	\$ 1,693	\$ 1,731	\$ 1,731	-	\$0	\$0	\$0	\$0	\$0	\$0	\$1,731
Lithgow	Reticulation	Mh7/14-Mh7/13	1885	\$ 3,943	\$ 4,029	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,029
Lithgow	Reticulation	Mh7/15-Mh7/14	1885	\$ 8,635	\$ 8,825	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,825
Lithgow	Reticulation	Mh7/16-Mh7/15	1885	\$ 5,261	\$ 5,377	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,377
Lithgow	Reticulation	Mh7/17-Mh7/13	1885	\$ 11,866	\$ 12,128	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,128
Lithgow	Reticulation	Mh7/18-Mh7/17	1885	\$ 19,700	\$ 20,134	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,134
Lithgow	Rising Mains	Mh7/19-Mh7/9	1885	\$ 2,296	\$ 2,346	\$ 2,346	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,346
Lithgow	Rising Mains	Mh7/1a-Mh6/1a	1930	\$ 11,373	\$ 11,623	\$ 11,623	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,623
Lithgow	Rising Mains	Mh7/2-Mh7/1a	1930	\$ 14,707	\$ 15,030	\$ 15,030	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,030
Lithgow	Reticulation	Mh7/20-Mh7/19	1885	\$ 8,421	\$ 8,607	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,607
Lithgow	Reticulation	Mh7/21-Mh7/20	1885	\$ 11,301	\$ 11,550	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,550
Lithgow	Reticulation	Mh7/22a-Mh7/21	1885	\$ 2,794	\$ 2,856	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,856
Lithgow	Reticulation	Mh7/22b-Mh7/22a	1885	\$ 7,559	\$ 7,725	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,725
Lithgow	Reticulation	Mh7/23-Mh7/22b	1885	\$ 7,486	\$ 7,651	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,651
Lithgow	Reticulation	Mh7/24a-Mh7/23	1885	\$ 3,546	\$ 3,624	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,624
Lithgow	Reticulation	Mh7/24b-Mh7/24a	1885	\$ 7,260	\$ 7,420	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,420
Lithgow	Reticulation	Mh7/25-J3	1885	\$ 8,750	\$ 8,942	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,942
Lithgow	Reticulation	Mh7/26-Mh7/25	1885	\$ 24,308	\$ 24,843	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,843
Lithgow	Reticulation	Mh7/27-J2	1885	\$ 5,859	\$ 5,988	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,988
Lithgow	Reticulation	Mh7/28-Mh7/26	1885	\$ 16,471	\$ 16,833	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,833
Lithgow	Reticulation	Mh7/29-Mh7/28	1885	\$ 9,251	\$ 9,454	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,454
Lithgow	Rising Mains	Mh7/3-Mh7/2	1930	\$ 14,655	\$ 14,977	\$ 14,977	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,977
Lithgow	Reticulation	Mh7/30-Mh7/29	1885	\$ 12,459	\$ 12,733	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,733
Lithgow	Reticulation	Mh7/31-Mh7/24b	1885	\$ 8,930	\$ 9,127	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,127
Lithgow	Reticulation	Mh7/32-Mh7/31	1885	\$ 9,835	\$ 10,051	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,051
Lithgow	Reticulation	Mh7/33-Mh7/32	1885	\$ 8,993	\$ 9,190	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,190
Lithgow	Reticulation	Mh7/34-Mh7/33	1885	\$ 6,909	\$ 7,061	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,061
Lithgow	Reticulation	Mh7/35-Mh7/34	1885	\$ 7,114	\$ 7,271	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,271
Lithgow	Reticulation	Mh7/36-Mh7/34	1885	\$ 4,912	\$ 5,020	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,020
Lithgow	Reticulation	Mh7/37-Mh7/36	1885	\$ 6,986	\$ 7,140	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,140
Lithgow	Reticulation	Mh7/38-Mh7/37	1885	\$ 11,197	\$ 11,443	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,443
Lithgow	Reticulation	Mh7/39-Mh7/31	1885	\$ 19,174	\$ 19,596	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,596
Lithgow	Rising Mains	Mh7/4-Mh7/3	1930	\$ 10,415	\$ 10,644	\$ 10,644	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,644
Lithgow	Reticulation	Mh7/40-Mh7/39	1885	\$ 8,025	\$ 8,201	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,201
Lithgow	Reticulation	Mh7/41-Mh7/39	1885	\$ 19,520	\$ 19,950	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,950
Lithgow	Reticulation	Mh7/42-Mh7/39	1885	\$ 13,002	\$ 13,288	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,288
Lithgow	Reticulation	Mh7/43-Mh1072	1940	\$ 9,774	\$ 9,989	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,989
Lithgow	Reticulation	Mh7/44-Mh7/42	1885	\$ 14,871	\$ 15,198	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,198
Lithgow	Reticulation	Mh7/45-Mh7/42	1885	\$ 14,526	\$ 14,846	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,846
Lithgow	Reticulation	Mh7/46-Mh7/45	1885	\$ 8,831	\$ 9,025	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,025
Lithgow	Reticulation	Mh7/47-Mh7/46	1885	\$ 20,857	\$ 21,316	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,316
Lithgow	Reticulation	Mh7/48-Mh7/45	1885	\$ 12,332	\$ 12,603	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,603
Lithgow	Reticulation	Mh7/49-Mh7/48	1885	\$ 3,951	\$ 4,038	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,038
Lithgow	Rising Mains	Mh7/5-Mh7/4	1905	\$ 17,912	\$ 18,306	\$ 18,306	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,306
Lithgow	Reticulation	Mh7/50-Mh7/49	1885	\$ 20,933	\$ 21,393	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,393
Lithgow	Reticulation	Mh7/51-Mh1070	1885	\$ 8,085	\$ 8,263	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,263
Lithgow	Reticulation	Mh7/52-Mh7/51	1885	\$ 11,676	\$ 11,932	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,932
Lithgow	Reticulation	Mh7/53-Mh7/48	1885	\$ 10,581	\$ 10,813	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,813
Lithgow	Reticulation	Mh7/54-Mh7/53	1885	\$ 20,623	\$ 21,076	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,076
Lithgow	Reticulation	Mh7/55-Mh7/54	1885	\$ 9,545	\$ 9,755	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,755
Lithgow	Reticulation	Mh7/56-Mh7/54	1885	\$ 11,667	\$ 11,923	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,923
Lithgow	Reticulation	Mh7/57-Mh7/56	1885	\$ 12,415	\$ 12,688	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,688
Lithgow	Reticulation	Mh7/58-Mh7/58b	1885	\$ 5,549	\$ 5,671	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,671
Lithgow	Reticulation	Mh7/58b-Mh7/57	1885	\$ 8,898	\$ 9,094	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,094
Lithgow	Reticulation	Mh7/59-Mh7/58	1885	\$ 20,500	\$ 20,951	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,951
Lithgow	Rising Mains	Mh7/6-Mh7/5	1905	\$ 10,567	\$ 10,799	\$ 10,799	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,799
Lithgow	Reticulation	Mh7/60-Mh7/59	1885	\$ 6,793	\$ 6,942	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,942
Lithgow	Reticulation	Mh7/61-Mh7/60	1885	\$ 6,271	\$ 6,409	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,409
Lithgow	Reticulation	Mh7/62-Mh7/60	1885	\$ 15,766	\$ 16,113	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,113
Lithgow	Reticulation	Mh7/63-Mh7/58	1885	\$ 8,201	\$ 8,381	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,381
Lithgow	Reticulation	Mh7/64-Mh7/63	1885	\$ 7,796	\$ 7,968	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,968
Lithgow	Reticulation	Mh7/65-Mh7/64	1885	\$ 19,805	\$ 20,241	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,241
Lithgow	Reticulation	Mh7/66-Mh7/65	1885	\$ 10,928	\$ 11,169	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,169
Lithgow	Reticulation	Mh7/67-Mh7/63	1885	\$ 13,002	\$ 13,288	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,288
Lithgow	Reticulation	Mh7/68-Mh7/67	1885	\$ 2,084	\$ 2,130	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,130
Lithgow	Reticulation	Mh7/69-Mh7/68	1885	\$ 12,951	\$ 13,236	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,236
Lithgow	Rising Mains	Mh7/7-Mh7/6	1905	\$ 18,249	\$ 18,650	\$ 18,650	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,650
Lithgow	Reticulation	Mh7/70-Mh7/69	1885	\$ 18,217	\$ 18,618	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,618
Lithgow	Reticulation	Mh7/71-Mh7/67	1885	\$ 7,501	\$ 7,666	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,666

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh7/72-Mh7/71	1885	\$ 4,611	\$ 4,713	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,713
Lithgow	Reticulation	Mh7/73-Mh7/7	1905	\$ 16,067	\$ 16,420	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,420
Lithgow	Reticulation	Mh7/74-Mh7/73	1905	\$ 8,106	\$ 8,284	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,284
Lithgow	Reticulation	Mh7/75-Mh7/73	1905	\$ 20,523	\$ 20,975	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,975
Lithgow	Reticulation	Mh7/76-Mh7/75	1905	\$ 15,607	\$ 15,950	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,950
Lithgow	Reticulation	Mh7/77-Mh7/73	1905	\$ 13,384	\$ 13,678	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,678
Lithgow	Reticulation	Mh7/78-Mh7/77	1905	\$ 12,346	\$ 12,617	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,617
Lithgow	Reticulation	Mh7/79-Mh7/77	1905	\$ 20,501	\$ 20,952	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,952
Lithgow	Rising Mains	Mh7/8-Mh7/77	1905	\$ 15,644	\$ 15,988	\$ 15,988	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,988
Lithgow	Reticulation	Mh7/80-Mh7/79	1905	\$ 18,454	\$ 18,860	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,860
Lithgow	Reticulation	Mh7/81-Mh7/6	1905	\$ 8,479	\$ 8,665	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,665
Lithgow	Reticulation	Mh7/82-Mh7/81	1905	\$ 20,423	\$ 20,872	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,872
Lithgow	Reticulation	Mh7/83-Mh7/5	1905	\$ 5,109	\$ 5,221	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,221
Lithgow	Reticulation	Mh7/84-Mh7/5	1905	\$ 17,035	\$ 17,410	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,410
Lithgow	Reticulation	Mh7/85-Mh7/84	1905	\$ 14,650	\$ 14,972	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,972
Lithgow	Reticulation	Mh7/86-Mh7/4	1905	\$ 8,707	\$ 8,898	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,898
Lithgow	Reticulation	Mh7/87-Mh7/86	1905	\$ 20,260	\$ 20,706	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,706
Lithgow	Reticulation	Mh7/88-Mh7/87	1905	\$ 10,353	\$ 10,581	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,581
Lithgow	Reticulation	Mh7/89-Mh7/4	1905	\$ 10,126	\$ 10,349	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,349
Lithgow	Rising Mains	Mh7/9-Mh7/8	1885	\$ 11,493	\$ 11,746	\$ 11,746	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,746
Lithgow	Reticulation	Mh7/90-Mh7/89	1905	\$ 11,674	\$ 11,930	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,930
Lithgow	Reticulation	Mh7/91-Mh7/90	1905	\$ 10,860	\$ 11,099	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,099
Lithgow	Reticulation	Mh70-Mh68	1905	\$ 17,047	\$ 17,422	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,422
Lithgow	Reticulation	Mh71-Mh70	1905	\$ 10,615	\$ 10,848	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,848
Lithgow	Reticulation	Mh72-Mh71	1905	\$ 7,703	\$ 7,872	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,872
Lithgow	Reticulation	Mh73-Mh71	1905	\$ 16,323	\$ 16,682	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,682
Lithgow	Reticulation	Mh7-4/2809-Mh6-4/2809	1994	\$ 15,454	\$ 15,794	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,794
Lithgow	Reticulation	Mh74-Mh73	1905	\$ 15,049	\$ 15,380	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,380
Lithgow	Reticulation	Mh75-Mh68	1905	\$ 20,006	\$ 20,446	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,446
Lithgow	Reticulation	Mh76-Mh74	1905	\$ 13,913	\$ 14,219	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,219
Lithgow	Reticulation	Mh77-Mh86	1905	\$ 19,283	\$ 19,707	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,707
Lithgow	Reticulation	Mh78-Mh80	1905	\$ 17,712	\$ 18,101	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,101
Lithgow	Reticulation	Mh79-Mh79b	1905	\$ 15,768	\$ 16,115	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,115
Lithgow	Reticulation	Mh79b-Mh87	1905	\$ 5,614	\$ 5,738	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,738
Lithgow	Rising Mains	Mh8/1-Mh1/49	1930	\$ 14,530	\$ 14,850	\$ 14,850	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,850
Lithgow	Reticulation	Mh8/10-Mh8/37	1930	\$ 13,489	\$ 13,786	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,786
Lithgow	Reticulation	Mh8/11-Mh8/10	1930	\$ 6,902	\$ 7,054	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,054
Lithgow	Reticulation	Mh8/12-Mh8/11	1930	\$ 19,723	\$ 20,157	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,157
Lithgow	Reticulation	Mh8/13-Mh8/12	1930	\$ 23,305	\$ 23,818	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,818
Lithgow	Reticulation	Mh8/14-Mh8/13	1930	\$ 20,838	\$ 21,296	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,296
Lithgow	Reticulation	Mh8/15-Mh8/14	1930	\$ 20,814	\$ 21,272	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,272
Lithgow	Reticulation	Mh8/16-Mh8/15	1930	\$ 20,258	\$ 20,704	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,704
Lithgow	Reticulation	Mh8/17-Mh1059	1940	\$ 7,922	\$ 8,097	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,097
Lithgow	Reticulation	Mh8/18-Mh8/17	1930	\$ 25,533	\$ 26,095	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,095
Lithgow	Reticulation	Mh8/19-Mh8/18	1930	\$ 14,259	\$ 14,572	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,572
Lithgow	Rising Mains	Mh8/2-Mh8/1	1930	\$ 7,298	\$ 7,458	\$ 7,458	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,458
Lithgow	Reticulation	Mh8/20-Mh8/19	1930	\$ 19,951	\$ 20,390	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,390
Lithgow	Reticulation	Mh8/21-Mh8/20	1930	\$ 20,334	\$ 20,782	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,782
Lithgow	Reticulation	Mh8/22-Mh8/19	1930	\$ 15,285	\$ 15,622	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,622
Lithgow	Reticulation	Mh8/23-Mh8/22	1930	\$ 5,101	\$ 5,213	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,213
Lithgow	Reticulation	Mh8/24-Mh8/23	1930	\$ 12,875	\$ 13,158	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,158
Lithgow	Reticulation	Mh8/25-Mh8/23	1930	\$ 15,735	\$ 16,081	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,081
Lithgow	Reticulation	Mh8/26-Mh8/15	1930	\$ 10,848	\$ 11,087	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,087
Lithgow	Reticulation	Mh8/27-Mh8/26	1930	\$ 18,853	\$ 19,267	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,267
Lithgow	Reticulation	Mh8/28-Mh8/27	1930	\$ 23,481	\$ 23,998	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,998
Lithgow	Reticulation	Mh8/29-Mh8/28	1930	\$ 18,586	\$ 18,995	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,995
Lithgow	Rising Mains	Mh8/3-Mh8/2	1930	\$ 18,295	\$ 18,697	\$ 18,697	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,697
Lithgow	Reticulation	Mh8/30-Mh8/29	1930	\$ 17,290	\$ 17,670	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,670
Lithgow	Reticulation	Mh8/31a-Mh8/30	1930	\$ 15,509	\$ 15,850	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,850
Lithgow	Reticulation	Mh8/31b-Mh8/31a	1930	\$ 16,434	\$ 16,795	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,795
Lithgow	Reticulation	Mh8/32-Mh8/9	1930	\$ 12,988	\$ 13,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,273
Lithgow	Reticulation	Mh8/33-Mh8/32	1930	\$ 13,279	\$ 13,571	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,571
Lithgow	Reticulation	Mh8/34-Mh8/33	1930	\$ 6,425	\$ 6,566	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,566
Lithgow	Reticulation	Mh8/35-Mh8/2	1930	\$ 4,073	\$ 4,162	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,162
Lithgow	Reticulation	Mh8/36-Mh8/35	1930	\$ 20,799	\$ 21,257	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,257
Lithgow	Reticulation	Mh8/37-Mh8/9	1930	\$ 22,021	\$ 22,506	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,506
Lithgow	Rising Mains	Mh8/4-Mh8/3	1930	\$ 13,237	\$ 13,529	\$ 13,529	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,529
Lithgow	Rising Mains	Mh8/5-Mh8/4	1930	\$ 13,208	\$ 13,499	\$ 13,499	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,499
Lithgow	Rising Mains	Mh8/6-Mh8/5	1930	\$ 13,279	\$ 13,571	\$ 13,571	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,571
Lithgow	Rising Mains	Mh8/7-Mh8/6	1930	\$ 17,022	\$ 17,396	\$ 17,396	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,396

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Rising Mains	Mh8/8-Mh8/7	1930	\$ 13,650	\$ 13,950	\$ 13,950	\$ 13,950	\$0	\$0	\$0	\$0	\$0	\$0	\$13,950
Lithgow	Rising Mains	Mh8/9-Mh8/8	1930	\$ 16,536	\$ 16,899	\$ 16,899	\$ 16,899	\$0	\$0	\$0	\$0	\$0	\$0	\$16,899
Lithgow	Reticulation	Mh80b-Mh80b	1905	\$ 15,540	\$ 15,882	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,882
Lithgow	Reticulation	Mh80b-Mh81	1905	\$ 8,199	\$ 8,380	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,380
Lithgow	Reticulation	Mh81-Mh82	1905	\$ 11,166	\$ 11,411	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,411
Lithgow	Reticulation	Mh82-Mh83	1905	\$ 3,399	\$ 3,474	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$3,474
Lithgow	Reticulation	Mh83-Mh92	1905	\$ 13,416	\$ 13,711	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$13,711
Lithgow	Reticulation	Mh8-4/2809-Mh7-4/2809	1994	\$ 20,736	\$ 21,192	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$21,192
Lithgow	Reticulation	Mh84-Mh83	1905	\$ 14,582	\$ 14,903	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,903
Lithgow	Reticulation	Mh85-Mh84	1905	\$ 8,622	\$ 8,811	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,811
Lithgow	Reticulation	Mh86-Mh84	1905	\$ 19,278	\$ 19,702	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,702
Lithgow	Reticulation	Mh87-Mh88	1905	\$ 12,505	\$ 12,780	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,780
Lithgow	Reticulation	Mh88-Mh81	1905	\$ 12,928	\$ 13,212	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$13,212
Lithgow	Reticulation	Mh89-Mh89b	1905	\$ 5,097	\$ 5,209	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$5,209
Lithgow	Reticulation	Mh89b-Mh90	1905	\$ 11,063	\$ 11,306	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,306
Lithgow	Rising Mains	Mh9/10-Mh9/9	1885	\$ 18,640	\$ 19,050	\$	19,050	\$	\$0	\$0	\$0	\$0	\$0	\$19,050
Lithgow	Reticulation	Mh9/100-Mh9/94	2003	\$ 9,720	\$ 9,934	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,934
Lithgow	Reticulation	Mh9/101-Mh9/100	1970	\$ 11,506	\$ 11,759	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,759
Lithgow	Reticulation	Mh9/102-Mh9/101	1890	\$ 14,842	\$ 15,168	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,168
Lithgow	Reticulation	Mh9/102-Mh9/102	1890	\$ 10,489	\$ 10,720	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$10,720
Lithgow	Reticulation	Mh9/104-Mh9/102	1890	\$ 19,837	\$ 20,274	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$20,274
Lithgow	Reticulation	Mh9/105-Mh9/83	1970	\$ 3,977	\$ 4,064	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,064
Lithgow	Reticulation	Mh9/106-Mh9/105	1970	\$ 21,016	\$ 21,478	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$21,478
Lithgow	Reticulation	Mh9/107-Mh9/106	1970	\$ 35,851	\$ 36,640	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$36,640
Lithgow	Reticulation	Mh9/108-Mh9/107	1970	\$ 13,497	\$ 13,794	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$13,794
Lithgow	Reticulation	Mh9/109-Mh9/108	1970	\$ 11,848	\$ 12,109	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,109
Lithgow	Reticulation	Mh9/11-Mh9/10	1885	\$ 9,808	\$ 10,023	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$10,023
Lithgow	Reticulation	Mh9/110-Mh9/109	1970	\$ 18,700	\$ 19,112	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,112
Lithgow	Reticulation	Mh9/111-Mh9/108	1970	\$ 2,519	\$ 2,574	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$2,574
Lithgow	Reticulation	Mh9/112-Mh9/111	1970	\$ 8,553	\$ 8,741	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,741
Lithgow	Reticulation	Mh9/113-Mh9/112	1970	\$ 6,307	\$ 6,446	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$6,446
Lithgow	Reticulation	Mh9/114-Mh9/113	1970	\$ 19,309	\$ 19,734	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,734
Lithgow	Reticulation	Mh9/115-Mh9/114	1970	\$ 23,092	\$ 23,600	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$23,600
Lithgow	Reticulation	Mh9/116-Mh9/115	1970	\$ 21,604	\$ 22,079	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$22,079
Lithgow	Reticulation	Mh9/117-Mh9/2	1930	\$ 6,935	\$ 7,087	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$7,087
Lithgow	Reticulation	Mh9/118-Mh9/117	1930	\$ 20,177	\$ 20,620	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$20,620
Lithgow	Reticulation	Mh9/119-Mh9/118	1930	\$ 19,044	\$ 19,463	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,463
Lithgow	Reticulation	Mh9/12-Mh9/11	1885	\$ 16,919	\$ 17,291	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$17,291
Lithgow	Reticulation	Mh9/120-Mh9/119	1930	\$ 13,910	\$ 14,216	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,216
Lithgow	Reticulation	Mh9/121-Mh9/120	1930	\$ 2,329	\$ 2,380	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$2,380
Lithgow	Reticulation	Mh9/122-Mh9/120	1930	\$ 9,830	\$ 10,046	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$10,046
Lithgow	Reticulation	Mh9/123-Mh9/122	1930	\$ 9,200	\$ 9,402	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,402
Lithgow	Reticulation	Mh9/13-Mh9/12	1885	\$ 4,845	\$ 4,951	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$4,951
Lithgow	Reticulation	Mh9/14-Mh9/13	1885	\$ 20,747	\$ 21,204	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$21,204
Lithgow	Reticulation	Mh9/15-Mh9/14	1885	\$ 16,376	\$ 16,736	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,736
Lithgow	Reticulation	Mh9/16-Mh9/15	1885	\$ 12,106	\$ 12,373	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,373
Lithgow	Reticulation	Mh9/17-Mh9/16	1885	\$ 13,908	\$ 14,214	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,214
Lithgow	Reticulation	Mh9/18-Mh9/17	1885	\$ 8,159	\$ 8,339	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,339
Lithgow	Reticulation	Mh9/19-Mh9/18	1885	\$ 14,388	\$ 14,704	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,704
Lithgow	Rising Mains	Mh9/1a-Mh1/52	1930	\$ 12,288	\$ 12,559	\$ 12,559	12,559	\$0	\$0	\$0	\$0	\$0	\$0	\$12,559
Lithgow	Rising Mains	Mh9/2-Mh9/1a	1930	\$ 10,706	\$ 10,941	\$ 10,941	10,941	\$0	\$0	\$0	\$0	\$0	\$0	\$10,941
Lithgow	Reticulation	Mh9/20-Mh9/19	1885	\$ 12,428	\$ 12,701	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$12,701
Lithgow	Reticulation	Mh9/21-Mh9/20	1885	\$ 6,334	\$ 6,473	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$6,473
Lithgow	Reticulation	Mh9/22-Mh9/21	1885	\$ 18,297	\$ 18,700	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$18,700
Lithgow	Reticulation	Mh9/23-Mh9/21	1885	\$ 1,749	\$ 1,788	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$1,788
Lithgow	Reticulation	Mh9/24-Mh9/19	1885	\$ 15,539	\$ 15,881	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,881
Lithgow	Reticulation	Mh9/25-Mh9/16	1885	\$ 20,992	\$ 21,454	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$21,454
Lithgow	Reticulation	Mh9/26-Mh9/25	1885	\$ 14,871	\$ 15,198	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,198
Lithgow	Reticulation	Mh9/27-Mh9/17	1885	\$ 11,646	\$ 11,902	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,902
Lithgow	Reticulation	Mh9/28-Mh9/27	1885	\$ 11,192	\$ 11,438	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$11,438
Lithgow	Reticulation	Mh9/28b-Mh9/28	1885	\$ 559	\$ 572	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$572
Lithgow	Reticulation	Mh9/29-Mh9/28b	1885	\$ 10,333	\$ 10,560	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$10,560
Lithgow	Rising Mains	Mh9/3-Mh9/2	1930	\$ 13,027	\$ 13,313	\$ 13,313	13,313	\$0	\$0	\$0	\$0	\$0	\$0	\$13,313
Lithgow	Reticulation	Mh9/30-Mh9/16	1885	\$ 15,732	\$ 16,078	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$16,078
Lithgow	Reticulation	Mh9/31-Mh9/10	1885	\$ 15,353	\$ 15,690	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$15,690
Lithgow	Reticulation	Mh9/32-Mh9/31	1885	\$ 18,707	\$ 19,118	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$19,118
Lithgow	Reticulation	Mh9/33-Mh9/32	1885	\$ 13,716	\$ 14,017	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$14,017
Lithgow	Reticulation	Mh9/34-Mh9/33	1885	\$ 12,778	\$ 13,059	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$13,059
Lithgow	Reticulation	Mh9/35a-Mh9/35c	1970	\$ 9,096	\$ 9,296	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$9,296
Lithgow	Reticulation	Mh9/35b-Mh9/8	1885	\$ 8,550	\$ 8,738	\$	-	\$0	\$0	\$0	\$0	\$0	\$0	\$8,738

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh9/35c-Mh9/8	1970	\$ 8,310	\$ 8,493	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,493
Lithgow	Reticulation	Mh9/36-Mh9/35a	1970	\$ 21,533	\$ 22,007	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,007
Lithgow	Reticulation	Mh9/37-Mh9/36	1970	\$ 24,103	\$ 24,633	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,633
Lithgow	Reticulation	Mh9/38-Mh9/36	1970	\$ 8,346	\$ 8,530	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,530
Lithgow	Reticulation	Mh9/39-Mh9/38	1970	\$ 19,355	\$ 19,781	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,781
Lithgow	Rising Mains	Mh9/4-Mh9/3	1930	\$ 11,154	\$ 11,399	\$ 11,399	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,399
Lithgow	Reticulation	Mh9/40-Mh9/39	1970	\$ 10,614	\$ 10,848	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,848
Lithgow	Reticulation	Mh9/41-Mh9/40	1970	\$ 8,836	\$ 9,031	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,031
Lithgow	Reticulation	Mh9/42-Mh9/41	1970	\$ 13,970	\$ 14,278	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,278
Lithgow	Reticulation	Mh9/43-Mh9/42	1970	\$ 24,483	\$ 25,021	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,021
Lithgow	Reticulation	Mh9/44-Mh9/43	1970	\$ 14,543	\$ 14,863	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,863
Lithgow	Reticulation	Mh9/45-Mh9/40	1970	\$ 13,947	\$ 14,254	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,254
Lithgow	Reticulation	Mh9/46-Mh9/45	1970	\$ 13,673	\$ 13,974	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,974
Lithgow	Reticulation	Mh9/47-Mh9/46	1970	\$ 23,831	\$ 24,355	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,355
Lithgow	Reticulation	Mh9/48-Mh9/47	1970	\$ 15,817	\$ 16,165	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,165
Lithgow	Reticulation	Mh9/49-Mh9/48	1970	\$ 21,994	\$ 22,478	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,478
Lithgow	Rising Mains	Mh9/5-Mh9/4	1930	\$ 13,576	\$ 13,874	\$ 13,874	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,874
Lithgow	Reticulation	Mh9/50a-Mh9/35b	1885	\$ 17,381	\$ 17,763	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,763
Lithgow	Reticulation	Mh9/50b-Mh9/50a	1970	\$ 10,848	\$ 11,087	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,087
Lithgow	Reticulation	Mh9/51-Mh9/50a	1885	\$ 30,885	\$ 31,564	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,564
Lithgow	Reticulation	Mh9/52-Mh9/51	1885	\$ 14,854	\$ 15,181	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,181
Lithgow	Reticulation	Mh9/53-Mh1069	1890	\$ 15,516	\$ 15,858	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,858
Lithgow	Reticulation	Mh9/54-Mh9/53	1890	\$ 28,902	\$ 29,538	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,538
Lithgow	Reticulation	Mh9/55-Mh9/54	1890	\$ 15,875	\$ 16,224	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,224
Lithgow	Reticulation	Mh9/56-Mh9/53	1890	\$ 17,997	\$ 18,393	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,393
Lithgow	Reticulation	Mh9/57-Mh9/56	1970	\$ 20,037	\$ 20,478	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,478
Lithgow	Reticulation	Mh9/58-Mh9/56	1890	\$ 43,255	\$ 44,206	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$44,206
Lithgow	Reticulation	Mh9/59-Mh9/58	1890	\$ 10,460	\$ 10,690	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,690
Lithgow	Rising Mains	Mh9/6-Mh9/5	1930	\$ 11,664	\$ 11,921	\$ 11,921	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,921
Lithgow	Reticulation	Mh9/60-Mh9/58	1890	\$ 23,273	\$ 23,785	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,785
Lithgow	Reticulation	Mh9/61-Mh9/50b	1970	\$ 13,608	\$ 13,907	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,907
Lithgow	Reticulation	Mh9/62-Mh1068	1970	\$ 15,197	\$ 15,532	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,532
Lithgow	Reticulation	Mh9/63-Mh9/62	1970	\$ 19,776	\$ 20,211	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,211
Lithgow	Reticulation	Mh9/64-Mh9/63	1970	\$ 17,330	\$ 17,711	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,711
Lithgow	Reticulation	Mh9/65-Mh9/64	1970	\$ 8,084	\$ 8,262	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,262
Lithgow	Reticulation	Mh9/66-Mh9/65	1890	\$ 13,464	\$ 13,761	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,761
Lithgow	Reticulation	Mh9/67-Mh9/66	1890	\$ 7,493	\$ 7,658	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,658
Lithgow	Reticulation	Mh9/68-Mh9/67	1890	\$ 19,029	\$ 19,448	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,448
Lithgow	Reticulation	Mh9/69-Mh9/61	1890	\$ 14,545	\$ 14,865	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,865
Lithgow	Rising Mains	Mh9/7-Mh9/6	1900	\$ 17,510	\$ 17,895	\$ 17,895	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,895
Lithgow	Reticulation	Mh9/70-Mh9/69	1970	\$ 20,670	\$ 21,124	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,124
Lithgow	Reticulation	Mh9/71-Mh1067	1970	\$ 13,744	\$ 14,046	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,046
Lithgow	Reticulation	Mh9/72-Mh9/71	1970	\$ 16,132	\$ 16,487	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,487
Lithgow	Reticulation	Mh9/73-Mh1050	1890	\$ 20,342	\$ 20,790	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,790
Lithgow	Reticulation	Mh9/74-Mh9/73	1890	\$ 9,230	\$ 9,433	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,433
Lithgow	Reticulation	Mh9/75-Mh9/74	1890	\$ 7,991	\$ 8,167	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,167
Lithgow	Reticulation	Mh9/76-Mh9/75	1890	\$ 9,370	\$ 9,576	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,576
Lithgow	Reticulation	Mh9/77-Mh9/76	1890	\$ 7,192	\$ 7,350	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,350
Lithgow	Reticulation	Mh9/78-Mh9/77	1890	\$ 6,163	\$ 6,299	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,299
Lithgow	Reticulation	Mh9/79-Mh9/78	1890	\$ 11,698	\$ 11,955	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,955
Lithgow	Rising Mains	Mh9/8-Mh9/7	1900	\$ 22,097	\$ 22,583	\$ 22,583	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,583
Lithgow	Reticulation	Mh9/80-Mh9/79	1880	\$ 4,806	\$ 4,912	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,912
Lithgow	Reticulation	Mh9/81-Mh9/82	1980	\$ 10,196	\$ 10,421	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,421
Lithgow	Reticulation	Mh9/82-Mh1196	1940	\$ 20,774	\$ 21,231	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,231
Lithgow	Reticulation	Mh9/83-Mh9/69	1970	\$ 12,505	\$ 12,780	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,780
Lithgow	Reticulation	Mh9/84-Mh9/83	1970	\$ 16,383	\$ 16,743	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,743
Lithgow	Reticulation	Mh9/85-Mh9/84	1970	\$ 14,369	\$ 14,685	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,685
Lithgow	Reticulation	Mh9/86-Mh9/85	1970	\$ 29,262	\$ 29,906	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,906
Lithgow	Reticulation	Mh9/87-Mh9/86	1970	\$ 16,360	\$ 16,720	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,720
Lithgow	Reticulation	Mh9/88-Mh9/85	1970	\$ 12,334	\$ 12,606	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,606
Lithgow	Reticulation	Mh9/89-Mh9/88	1970	\$ 29,153	\$ 29,795	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,795
Lithgow	Rising Mains	Mh9/9-Mh9/8	1885	\$ 18,480	\$ 18,886	\$ 18,886	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,886
Lithgow	Reticulation	Mh9/90-Mh9/88	1970	\$ 25,665	\$ 26,229	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,229
Lithgow	Reticulation	Mh9/91-Mh9/90	1970	\$ 11,436	\$ 11,688	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,688
Lithgow	Reticulation	Mh9/92-Mh9/85	1970	\$ 3,567	\$ 3,646	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,646
Lithgow	Reticulation	Mh9/93-Mh245	1970	\$ 14,209	\$ 14,522	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,522
Lithgow	Reticulation	Mh9/94-Mh9/93	2003	\$ 16,006	\$ 16,358	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,358
Lithgow	Reticulation	Mh9/95-Mh9/94	2003	\$ 10,465	\$ 10,695	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,695
Lithgow	Reticulation	Mh9/96-Mh9/95	2003	\$ 22,310	\$ 22,801	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,801
Lithgow	Reticulation	Mh9/97-Mh9/98	2003	\$ 6,829	\$ 6,980	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,980

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	Mh9/98-Mh9/101	2003	\$ 17,468	\$ 17,852	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,852
Lithgow	Reticulation	Mh9/99-Mh9/97	2003	\$ 13,670	\$ 13,970	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,970
Lithgow	Reticulation	Mh9-Mh2004	1942	\$ 12,012	\$ 12,276	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,276
Lithgow	Reticulation	Mh90-Mh91	1905	\$ 19,509	\$ 19,939	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,939
Lithgow	Reticulation	Mh91-Mh96	1930	\$ 11,415	\$ 11,666	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,666
Lithgow	Reticulation	Mh91A-Mh91	1905	\$ 1,510	\$ 1,543	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,543
Lithgow	Reticulation	Mh92-Mh91A	1905	\$ 19,401	\$ 19,828	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,828
Lithgow	Reticulation	Mh93-Mh94	1930	\$ 16,552	\$ 16,916	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,916
Lithgow	Reticulation	Mh94-Mh1061	1930	\$ 1,102	\$ 1,126	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,126
Lithgow	Reticulation	Mh95-Mh1061	1930	\$ 5,819	\$ 5,947	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,947
Lithgow	Reticulation	Mh96-Mh1201	1930	\$ 7,903	\$ 8,077	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,077
Lithgow	Reticulation	Mh966-Mh967	2003	\$ 5,903	\$ 6,033	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,033
Lithgow	Reticulation	Mh967-Mh973	2003	\$ 23,584	\$ 24,102	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,102
Lithgow	Reticulation	Mh968-Mh225	2000	\$ 3,860	\$ 3,945	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,945
Lithgow	Reticulation	Mh969-Mh968	2003	\$ 8,473	\$ 8,660	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,660
Lithgow	Reticulation	Mh96a-Mh1/94	1890	\$ 6,661	\$ 6,807	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,807
Lithgow	Reticulation	Mh96b-Mh1/94	1890	\$ 19,390	\$ 19,816	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,816
Lithgow	Reticulation	Mh96b1-Mh96b	1890	\$ 9,302	\$ 9,506	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,506
Lithgow	Reticulation	Mh96c-Mh96b1	1890	\$ 8,175	\$ 8,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,354
Lithgow	Reticulation	Mh970-Mh969	2003	\$ 4,750	\$ 4,854	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,854
Lithgow	Reticulation	Mh971-Mh969	2003	\$ 14,959	\$ 15,288	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,288
Lithgow	Reticulation	Mh972-Mh969	2003	\$ 3,092	\$ 3,160	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,160
Lithgow	Reticulation	Mh973-Mh972	2003	\$ 11,245	\$ 11,492	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,492
Lithgow	Reticulation	Mh974-Mh973	2004	\$ 13,449	\$ 13,745	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,745
Lithgow	Reticulation	Mh975-Mh976	2003	\$ 13,628	\$ 13,928	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,928
Lithgow	Reticulation	Mh976-Mh977	2003	\$ 14,340	\$ 14,656	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,656
Lithgow	Reticulation	Mh977-Mh978	1930	\$ 12,521	\$ 12,797	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,797
Lithgow	Reticulation	Mh978-Mh979	1930	\$ 5,437	\$ 5,556	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,556
Lithgow	Reticulation	Mh979-Mh224	2000	\$ 9,205	\$ 9,408	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,408
Lithgow	Reticulation	Mh98-Mh2018	1930	\$ 21,682	\$ 22,159	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,159
Lithgow	Rising Mains	Mh980-Mh981	1930	\$ 347	\$ 355	\$ 355	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$355
Lithgow	Rising Mains	Mh981-Mh982	1930	\$ 10,323	\$ 10,551	\$ 10,551	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,551
Lithgow	Rising Mains	Mh982-Mh985	1930	\$ 17,904	\$ 18,298	\$ 18,298	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,298
Lithgow	Reticulation	Mh983-Mh1/18	1930	\$ 25,266	\$ 25,821	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,821
Lithgow	Rising Mains	Mh984-Mh986	1930	\$ 12,303	\$ 12,574	\$ 12,574	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,574
Lithgow	Rising Mains	Mh985-Mh984	1930	\$ 6,721	\$ 6,869	\$ 6,869	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,869
Lithgow	Rising Mains	Mh986-Mh987	1930	\$ 1,476	\$ 1,509	\$ 1,509	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,509
Lithgow	Rising Mains	Mh987-SPS2155	1930	\$ 121,423	\$ 124,095	\$ 124,095	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$124,095
Lithgow	Reticulation	Mh988-Mh5/29	1912	\$ 7,511	\$ 7,677	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,677
Lithgow	Reticulation	Mh989-Mh988	1912	\$ 11,570	\$ 11,825	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,825
Lithgow	Reticulation	Mh990-Mh991	1942	\$ 2,836	\$ 2,898	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,898
Lithgow	Reticulation	Mh991-Mh23	1942	\$ 8,856	\$ 9,051	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,051
Lithgow	Reticulation	Mh992-Mh993	2004	\$ 11,778	\$ 12,037	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,037
Lithgow	Reticulation	Mh993-Mh974	2004	\$ 15,288	\$ 15,624	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,624
Lithgow	Reticulation	Mh994-Mh977	2004	\$ 13,764	\$ 14,067	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,067
Lithgow	Reticulation	Mh995-Mh994	2004	\$ 14,887	\$ 15,215	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,215
Lithgow	Reticulation	Mh996-Mh1021	1990	\$ 6,661	\$ 6,807	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,807
Lithgow	Reticulation	Mh997-Mh996	1990	\$ 20,969	\$ 21,430	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,430
Lithgow	Reticulation	Mh998-Mh1384	1990	\$ 21,627	\$ 22,103	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,103
Lithgow	Reticulation	Mh999-Mh998	1990	\$ 14,565	\$ 14,886	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,886
Lithgow	Reticulation	MhA1-SPS2001	2001	\$ 2,218	\$ 2,267	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,267
Lithgow	Reticulation	MhA2-MhA1	2001	\$ 14,853	\$ 15,180	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,180
Lithgow	Reticulation	MhA3-MhA2	2001	\$ 18,625	\$ 19,035	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,035
Lithgow	Reticulation	MhA4-MhA3	2001	\$ 8,293	\$ 8,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,475
Lithgow	Reticulation	MhA5a-MhA4	2001	\$ 9,668	\$ 9,881	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,881
Lithgow	Reticulation	MhA6a-MhA5a	2001	\$ 6,304	\$ 6,443	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,443
Lithgow	Reticulation	MhA6c-MhA6a	2001	\$ 10,540	\$ 10,772	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,772
Lithgow	Reticulation	MhA7a-MhA6c	2001	\$ 13,701	\$ 14,003	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,003
Lithgow	Reticulation	MhB1-SPS2001	2001	\$ 5,662	\$ 5,787	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,787
Lithgow	Reticulation	MhB2-MhB1	2001	\$ 15,034	\$ 15,365	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,365
Lithgow	Reticulation	MhC-1-MhC-10	2004	\$ 17,339	\$ 17,720	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,720
Lithgow	Reticulation	MhC-10-Mh967	2004	\$ 10,469	\$ 10,700	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,700
Lithgow	Reticulation	MhC-DE-MhC-1	2004	\$ 5,702	\$ 5,827	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,827
Lithgow	Reticulation	MhP/A10-MhP/A9	2006	\$ 18,454	\$ 18,860	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,860
Lithgow	Reticulation	MhP/A11-MhP/A10	2006	\$ 18,953	\$ 19,370	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,370
Lithgow	Reticulation	MhP/A12-MhP/A11	2006	\$ 21,738	\$ 22,216	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,216
Lithgow	Reticulation	MhP/A4-Mh2088	2006	\$ 10,804	\$ 11,042	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,042
Lithgow	Reticulation	MhP/A5-MhP/A4	2006	\$ 28,117	\$ 28,735	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,735
Lithgow	Reticulation	MhP/A6-MhP/A5	2006	\$ 24,721	\$ 25,265	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,265
Lithgow	Reticulation	MhP/A7-MhP/A6	2006	\$ 18,865	\$ 19,280	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,280

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Lithgow	Reticulation	MhP/A8-MhP/A7	2006	\$ 19,163	\$ 19,585	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,585
Lithgow	Reticulation	MhP/A9-MhP/A8	2006	\$ 17,349	\$ 17,730	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,730
Lithgow	Reticulation	MhP/B1-MhP/A11	2006	\$ 8,546	\$ 8,734	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,734
Lithgow	Reticulation	MhP/B2-MhP/B1	2006	\$ 17,168	\$ 17,545	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,545
Lithgow	Rising Mains	SPS1390-DE122	1930	\$ 115,678	\$ 118,223	\$ 118,223	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$118,223
Lithgow	Rising Mains	SPS2001-J6	2001	\$ 8,811	\$ 9,005	\$ 9,005	\$9,005	\$9,005	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	SPS2153-SPS2155	1942	\$ 176,627	\$ 180,513	\$ 180,513	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$180,513
Lithgow	Rising Mains	SPS2154-SPS2153	1942	\$ 131,712	\$ 134,610	\$ 134,610	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$134,610
Lithgow	Rising Mains	SPS2155-Mh1/4	1900	\$ 138,560	\$ 141,608	\$ 141,608	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$141,608
Lithgow	Rising Mains	SPS2156-Mh980	1930	\$ 78,456	\$ 80,183	\$ 80,183	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$80,183
Lithgow	Rising Mains	SPS2157-Mh1213	1930	\$ 3,648	\$ 3,729	\$ 3,729	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,729
Lithgow	Rising Mains	SPS2158-Mh10/44	1930	\$ 73,388	\$ 75,003	\$ 75,003	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,003
Lithgow	Rising Mains	SPS2159-Mh11/40	1890	\$ 23,631	\$ 24,151	\$ 24,151	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,151
Lithgow	Rising Mains	SPS2160-MhA5a	2010	\$ 12,741	\$ 13,021	\$ 13,021	\$13,021	\$13,021	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Rising Mains	SPS2162-J9	1930	\$ 225,241	\$ 230,197	\$ 230,197	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$230,197
Lithgow	Rising Mains	SPS3000-SPS2160	2010	\$ 4,613	\$ 4,715	\$ 4,715	\$4,715	\$4,715	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	Sewer Mains Renewal	2016	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Reticulation	Sewer Vent Replacement	2016	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lithgow	Trunk	Trunk Main #1 Lithgow	2016	\$ 182,685	\$ 186,704	\$ 186,704	\$186,704	\$186,704	\$0	\$0	\$0	\$0	\$0	\$0
Shared all	Monitoring	Buttress Place	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$6,715	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Hillcrest	2003	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$6,715	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Hospital	2000	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$6,715	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	South Bowenfels	2015	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$6,715	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Bowen Vista 1	2005	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$6,715	\$0	\$0	\$0	\$0	\$6,715	\$0
Shared all	Monitoring	Bowen Vista 2	2005	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$6,715	\$0	\$0	\$0	\$0	\$6,715	\$0
South Bowenfels	Submersible 25m head	Bowen Vista 1	2005	\$ 186,739	\$ 190,847	\$ 190,847	\$190,847	\$190,847	\$0	\$0	\$190,847	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	Bowen Vista 1	2005	\$ 194,361	\$ 198,637	\$ 198,637	\$198,637	\$198,637	\$0	\$0	\$198,637	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	Bowen Vista 2	2005	\$ 186,739	\$ 190,847	\$ 190,847	\$190,847	\$190,847	\$0	\$0	\$190,847	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	Bowen Vista 2	2005	\$ 194,361	\$ 198,637	\$ 198,637	\$198,637	\$198,637	\$0	\$0	\$198,637	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	Buttress Place	1974	\$ 267,388	\$ 273,271	\$ 273,271	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$273,271
South Bowenfels	Submersible 25m head	Buttress Place	1974	\$ 340,312	\$ 347,799	\$ 347,799	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$347,799
South Bowenfels	Submersible 25m head	Hillcrest	2003	\$ 320,948	\$ 328,009	\$ 328,009	\$328,009	\$328,009	\$0	\$0	\$328,009	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	Hillcrest	2003	\$ 461,852	\$ 472,013	\$ 472,013	\$472,013	\$472,013	\$0	\$0	\$472,013	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	Hospital	2000	\$ 194,361	\$ 198,637	\$ 198,637	\$198,637	\$198,637	\$0	\$0	\$198,637	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	Hospital	2000	\$ 186,739	\$ 190,847	\$ 190,847	\$190,847	\$190,847	\$0	\$0	\$190,847	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	South Bowenfels	1992	\$ 324,862	\$ 332,009	\$ 332,009	\$332,009	\$332,009	\$0	\$0	\$332,009	\$0	\$0	\$0
South Bowenfels	Submersible 25m head	South Bowenfels	1992	\$ 530,038	\$ 541,699	\$ 541,699	\$541,699	\$541,699	\$0	\$0	\$541,699	\$0	\$0	\$0
South Bowenfels	Reticulation	DE10-Mh2/195	1975	\$ 9,181	\$ 9,383	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,383
South Bowenfels	Reticulation	DE100-MhMMH3/M	1940	\$ 6,419	\$ 6,560	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,560
South Bowenfels	Reticulation	DE101-MhMMH4/M	1940	\$ 6,372	\$ 6,512	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,512
South Bowenfels	Reticulation	DE103-Mh219	1940	\$ 6,217	\$ 6,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,354
South Bowenfels	Reticulation	DE108-Mh2A/1	2004	\$ 15,236	\$ 15,572	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,572
South Bowenfels	Reticulation	DE11-Mh2/197	1975	\$ 2,146	\$ 2,193	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,193
South Bowenfels	Reticulation	DE110-Mh1089	1940	\$ 2,207	\$ 2,255	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,255
South Bowenfels	Reticulation	DE111-Mh1/3a	2004	\$ 1,029	\$ 1,051	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,051
South Bowenfels	Reticulation	DE1396-Mh1103	2004	\$ 15,283	\$ 15,619	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,619
South Bowenfels	Reticulation	Mh144-Mh5/34	1912	\$ 8,392	\$ 8,576	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,576
South Bowenfels	Reticulation	DE15-Mh197	1940	\$ 19,723	\$ 20,157	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,157
South Bowenfels	Reticulation	DE2-Mh2/170a	1975	\$ 9,633	\$ 9,845	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,845
South Bowenfels	Reticulation	DE4-Mh2/187	1975	\$ 8,802	\$ 8,996	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,996
South Bowenfels	Reticulation	DE5-Mh2/180	1975	\$ 17,823	\$ 18,215	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,215
South Bowenfels	Reticulation	DE51-Mh2/236	1975	\$ 7,357	\$ 7,519	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,519
South Bowenfels	Reticulation	DE60-Mh2/176	1975	\$ 3,342	\$ 3,416	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,416
South Bowenfels	Reticulation	DE69-Mh2/156	1975	\$ 3,542	\$ 3,620	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,620
South Bowenfels	Reticulation	DE7-Mh2/188b	1975	\$ 18,867	\$ 19,282	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,282
South Bowenfels	Reticulation	DE70-Mh2/155	1975	\$ 8,710	\$ 8,902	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,902
South Bowenfels	Reticulation	DE71-Mh2/133	1942	\$ 4,192	\$ 4,284	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,284
South Bowenfels	Reticulation	DE72-Mh2/132	1942	\$ 13,104	\$ 13,392	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,392
South Bowenfels	Reticulation	DE73-Mh2/97	1954	\$ 4,841	\$ 4,948	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,948
South Bowenfels	Reticulation	DE74-Mh2/96	1954	\$ 3,030	\$ 3,097	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,097
South Bowenfels	Reticulation	DE76-Mh2/12b	1954	\$ 13,333	\$ 13,627	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,627
South Bowenfels	Reticulation	DE77-Mh214	1998	\$ 8,900	\$ 9,096	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,096
South Bowenfels	Reticulation	DE78-Mh213	1998	\$ 7,360	\$ 7,522	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,522
South Bowenfels	Reticulation	DE79-MhMMH6/M	1940	\$ 6,722	\$ 6,870	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,870
South Bowenfels	Reticulation	DE8-Mh2/223	1975	\$ 3,955	\$ 4,053	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,053
South Bowenfels	Reticulation	DE80-Mh216	1940	\$ 10,836	\$ 11,074	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,074
South Bowenfels	Reticulation	DE81-Mh215	1940	\$ 10,853	\$ 11,091	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,091
South Bowenfels	Reticulation	DE9-Mh2/224	1975	\$ 7,781	\$ 7,952	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,952

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
South Bowenfels	Reticulation	DE90-Mh4	1940	\$ 5,871	\$ 6,000	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
South Bowenfels	Reticulation	DE91-Mh2/184	1940	\$ 4,103	\$ 4,193	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,193
South Bowenfels	Reticulation	DE92-Mh2/174	1940	\$ 3,912	\$ 3,998	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,998
South Bowenfels	Reticulation	DE93-Mh1088	1940	\$ 1,019	\$ 1,041	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,041
South Bowenfels	Reticulation	DEL-S21-MhL-S21/2	2004	\$ 6,334	\$ 6,473	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,473
South Bowenfels	Reticulation	Mh1/1a-Mh207	2004	\$ 3,277	\$ 3,349	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,349
South Bowenfels	Reticulation	Mh1/2-Mh2A/1	2004	\$ 11,139	\$ 11,384	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,384
South Bowenfels	Reticulation	Mh1/3a-Mh3/2b	2004	\$ 5,108	\$ 5,220	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,220
South Bowenfels	Reticulation	Mh1/9b-Mh5/1b	1940	\$ 22,335	\$ 22,827	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,827
South Bowenfels	Reticulation	Mh10/1b-Mh9/1b	1940	\$ 13,455	\$ 13,751	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,751
South Bowenfels	Reticulation	Mh1042-Mh2/69	1954	\$ 10,270	\$ 10,496	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,496
South Bowenfels	Reticulation	Mh1043-Mh1042	1954	\$ 12,496	\$ 12,770	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,770
South Bowenfels	Reticulation	Mh1044-Mh1043	1954	\$ 11,692	\$ 11,950	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,950
South Bowenfels	Reticulation	Mh1045-Mh1044	1954	\$ 8,204	\$ 8,385	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,385
South Bowenfels	Reticulation	Mh1046-Mh2/35	1940	\$ 23,111	\$ 23,619	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,619
South Bowenfels	Reticulation	Mh1047-Mh2/112	1942	\$ 11,939	\$ 12,202	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,202
South Bowenfels	Reticulation	Mh1048-Mh2/101	1940	\$ 20,262	\$ 20,708	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,708
South Bowenfels	Reticulation	Mh1081-Mh1085	1940	\$ 13,504	\$ 13,802	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,802
South Bowenfels	Reticulation	Mh1082-Mh1081	1940	\$ 7,893	\$ 8,067	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,067
South Bowenfels	Reticulation	Mh1083-Mh1081	1940	\$ 9,869	\$ 10,086	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,086
South Bowenfels	Reticulation	Mh1084-Mh1085	2003	\$ 11,661	\$ 11,917	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,917
South Bowenfels	Reticulation	Mh1085-Mh1106	2004	\$ 11,772	\$ 12,031	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,031
South Bowenfels	Reticulation	Mh1086-Mh1081	1940	\$ 18,839	\$ 19,254	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,254
South Bowenfels	Reticulation	Mh1087-Mh1085	2003	\$ 20,719	\$ 21,175	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,175
South Bowenfels	Reticulation	Mh1088-Mh1083	1940	\$ 16,489	\$ 16,852	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,852
South Bowenfels	Reticulation	Mh1089-Mh1082	1940	\$ 23,440	\$ 23,956	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,956
South Bowenfels	Reticulation	Mh1090-Mh1089	1940	\$ 8,018	\$ 8,194	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,194
South Bowenfels	Reticulation	Mh1091-Mh1086	1940	\$ 6,515	\$ 6,658	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,658
South Bowenfels	Reticulation	Mh1092-Mh1087	2003	\$ 6,583	\$ 6,728	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,728
South Bowenfels	Reticulation	Mh1093-Mh1084	2003	\$ 7,422	\$ 7,586	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,586
South Bowenfels	Reticulation	Mh1094-Mh1098	2004	\$ 9,431	\$ 9,638	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,638
South Bowenfels	Reticulation	Mh1095-Mh1096	2004	\$ 5,348	\$ 5,466	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,466
South Bowenfels	Reticulation	Mh1096-Mh1102	2004	\$ 13,539	\$ 13,837	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,837
South Bowenfels	Reticulation	Mh1097-Mh1098	2004	\$ 9,023	\$ 9,222	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,222
South Bowenfels	Reticulation	Mh1098-Mh1096	2004	\$ 5,072	\$ 5,184	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,184
South Bowenfels	Reticulation	Mh1099-Mh1106	2004	\$ 23,388	\$ 23,902	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,902
South Bowenfels	Reticulation	Mh11/1b-Mh10/1b	1940	\$ 16,253	\$ 16,611	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,611
South Bowenfels	Reticulation	Mh1100-Mh1096	2004	\$ 15,374	\$ 15,712	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,712
South Bowenfels	Reticulation	Mh1101-Mh1100	2004	\$ 3,401	\$ 3,476	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,476
South Bowenfels	Reticulation	Mh1102-Mh44	1940	\$ 28,882	\$ 29,517	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,517
South Bowenfels	Reticulation	Mh1103-Mh1101	2004	\$ 17,484	\$ 17,869	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,869
South Bowenfels	Reticulation	Mh1104-Mh1101	2004	\$ 7,197	\$ 7,355	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,355
South Bowenfels	Reticulation	Mh1105-Mh1095	2004	\$ 15,358	\$ 15,695	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,695
South Bowenfels	Reticulation	Mh1106-Mh1105	2004	\$ 8,813	\$ 9,007	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,007
South Bowenfels	Reticulation	Mh1107-Mh1108	2004	\$ 6,741	\$ 6,889	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,889
South Bowenfels	Reticulation	Mh1108-Mh1109	2004	\$ 10,797	\$ 11,034	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,034
South Bowenfels	Reticulation	Mh1109-Mh1104	2004	\$ 11,677	\$ 11,933	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,933
South Bowenfels	Reticulation	Mh1110-Mh44	1940	\$ 4,671	\$ 4,774	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,774
South Bowenfels	Reticulation	Mh1111-Mh1110	1940	\$ 6,410	\$ 6,551	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,551
South Bowenfels	Reticulation	Mh1112-MhMMH1/M	1940	\$ 4,938	\$ 5,047	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,047
South Bowenfels	Reticulation	Mh1113-Mh1112	1940	\$ 8,782	\$ 8,975	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,975
South Bowenfels	Reticulation	Mh1114-Mh1113	1940	\$ 7,619	\$ 7,787	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,787
South Bowenfels	Reticulation	Mh1115-Mh1114	1940	\$ 5,692	\$ 5,817	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,817
South Bowenfels	Reticulation	Mh1116-Mh1114	1940	\$ 10,918	\$ 11,158	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,158
South Bowenfels	Reticulation	Mh1117-Mh1115	1940	\$ 9,281	\$ 9,486	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,486
South Bowenfels	Reticulation	Mh1118-Mh1117	1940	\$ 7,261	\$ 7,421	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,421
South Bowenfels	Reticulation	Mh1119-Mh1120	1940	\$ 4,552	\$ 4,652	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,652
South Bowenfels	Reticulation	Mh1120-Mh1116	1940	\$ 17,618	\$ 18,006	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,006
South Bowenfels	Reticulation	Mh1121-Mh1122	1940	\$ 9,639	\$ 9,851	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,851
South Bowenfels	Reticulation	Mh1122-Mh1117	1940	\$ 5,778	\$ 5,905	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,905
South Bowenfels	Reticulation	Mh1123-Mh1122	1940	\$ 8,648	\$ 8,839	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,839
South Bowenfels	Reticulation	Mh1124-Mh1123	1940	\$ 7,781	\$ 7,952	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,952
South Bowenfels	Reticulation	Mh1125-Mh1118	1940	\$ 15,293	\$ 15,629	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,629
South Bowenfels	Reticulation	Mh1126-Mh1120	1940	\$ 12,582	\$ 12,859	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,859
South Bowenfels	Reticulation	Mh1127-Mh1126	1940	\$ 11,955	\$ 12,218	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,218
South Bowenfels	Reticulation	Mh1128-Mh1127	1940	\$ 10,638	\$ 10,872	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,872
South Bowenfels	Reticulation	Mh1129-Mh1128	1940	\$ 12,684	\$ 12,963	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,963
South Bowenfels	Reticulation	Mh1130-Mh1129	1940	\$ 12,681	\$ 12,960	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,960
South Bowenfels	Reticulation	Mh1131-Mh1125	1940	\$ 13,559	\$ 13,858	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,858
South Bowenfels	Reticulation	Mh1132-Mh1131	1940	\$ 9,067	\$ 9,267	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,267

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
South Bowenfels	Reticulation	Mh1133~Mh1131	1940	\$ 6,730	\$ 6,878	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,878
South Bowenfels	Reticulation	Mh1134~Mh1133	1940	\$ 5,412	\$ 5,531	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,531
South Bowenfels	Reticulation	Mh12/1~Mh11/1b	1940	\$ 25,939	\$ 26,510	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,510
South Bowenfels	Reticulation	Mh1218~Mh7/1b	1940	\$ 20,747	\$ 21,204	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,204
South Bowenfels	Reticulation	Mh1219~Mh1218	1940	\$ 13,602	\$ 13,901	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,901
South Bowenfels	Reticulation	Mh1220~Mh10/1b	1940	\$ 17,512	\$ 17,897	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,897
South Bowenfels	Reticulation	Mh1221~Mh10/1b	1940	\$ 28,321	\$ 28,944	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,944
South Bowenfels	Reticulation	Mh1222~Mh11/1b	1940	\$ 29,320	\$ 29,965	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,965
South Bowenfels	Reticulation	Mh1223~Mh1223b	1940	\$ 12,991	\$ 13,277	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,277
South Bowenfels	Reticulation	Mh1223b~Mh1224	1940	\$ 10,330	\$ 10,557	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,557
South Bowenfels	Reticulation	Mh1224~Mh189	1940	\$ 5,573	\$ 5,696	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,696
South Bowenfels	Reticulation	Mh1225~Mh1224	1940	\$ 17,166	\$ 17,544	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,544
South Bowenfels	Reticulation	Mh13/1~Mh12/1	1940	\$ 11,262	\$ 11,509	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,509
South Bowenfels	Reticulation	Mh1350~Mh13/1	1940	\$ 44,645	\$ 45,627	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$45,627
South Bowenfels	Reticulation	Mh1351~Mh1219	1940	\$ 10,905	\$ 11,145	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,145
South Bowenfels	Reticulation	Mh1354~Mh9/1b	1940	\$ 17,455	\$ 17,839	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,839
South Bowenfels	Reticulation	Mh1355~Mh11	1940	\$ 9,198	\$ 9,401	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,401
South Bowenfels	Reticulation	Mh1356~Mh1355	1940	\$ 12,626	\$ 12,904	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,904
South Bowenfels	Reticulation	Mh1357~Mh1356	1940	\$ 13,239	\$ 13,530	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,530
South Bowenfels	Reticulation	Mh1358~Mh1357	1940	\$ 11,581	\$ 11,836	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,836
South Bowenfels	Reticulation	Mh1359~Mh14	1940	\$ 15,802	\$ 16,149	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,149
South Bowenfels	Reticulation	Mh1360~Mh7/1b	1940	\$ 9,214	\$ 9,416	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,416
South Bowenfels	Reticulation	Mh1361~Mh1360	1940	\$ 10,179	\$ 10,403	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,403
South Bowenfels	Reticulation	Mh168~Mh169	2003	\$ 19,036	\$ 19,455	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,455
South Bowenfels	Reticulation	Mh169~Mh170	2003	\$ 18,254	\$ 18,656	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,656
South Bowenfels	Reticulation	Mh170~Mh171	2003	\$ 23,266	\$ 23,778	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,778
South Bowenfels	Reticulation	Mh171~Mh172	2003	\$ 16,071	\$ 16,425	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,425
South Bowenfels	Reticulation	Mh172~Mh173	2003	\$ 18,712	\$ 19,124	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,124
South Bowenfels	Reticulation	Mh173~SPS174	2003	\$ 22,313	\$ 22,804	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,804
South Bowenfels	Reticulation	Mh175~SPS174	2003	\$ 10,926	\$ 11,166	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,166
South Bowenfels	Reticulation	Mh176~Mh175	2003	\$ 8,199	\$ 8,380	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,380
South Bowenfels	Reticulation	Mh177~Mh175	2003	\$ 14,081	\$ 14,391	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,391
South Bowenfels	Reticulation	Mh178~Mh177	2003	\$ 7,293	\$ 7,453	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,453
South Bowenfels	Reticulation	Mh179~Mh178	2003	\$ 6,763	\$ 6,911	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,911
South Bowenfels	Reticulation	Mh180~Mh179	2003	\$ 14,974	\$ 15,303	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,303
South Bowenfels	Reticulation	Mh181~Mh182	2003	\$ 8,154	\$ 8,333	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,333
South Bowenfels	Reticulation	Mh182~Mh183	2003	\$ 11,198	\$ 11,445	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,445
South Bowenfels	Reticulation	Mh183~Mh184	1940	\$ 11,340	\$ 11,589	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,589
South Bowenfels	Reticulation	Mh184~Mh193	1940	\$ 10,873	\$ 11,112	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,112
South Bowenfels	Reticulation	Mh185~SPS1229	1940	\$ 1,197	\$ 1,223	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,223
South Bowenfels	Reticulation	Mh186~Mh185	1940	\$ 14,052	\$ 14,361	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,361
South Bowenfels	Reticulation	Mh187~Mh186	1940	\$ 32,970	\$ 33,696	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,696
South Bowenfels	Reticulation	Mh188~Mh187	1940	\$ 25,479	\$ 26,040	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,040
South Bowenfels	Reticulation	Mh189~Mh190	1940	\$ 8,920	\$ 9,116	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,116
South Bowenfels	Reticulation	Mh190~Mh208	1940	\$ 12,434	\$ 12,707	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,707
South Bowenfels	Reticulation	Mh191~Mh189	1940	\$ 16,300	\$ 16,658	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,658
South Bowenfels	Reticulation	Mh192~Mh185	1940	\$ 21,826	\$ 22,306	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,306
South Bowenfels	Reticulation	Mh193~Mh192	1940	\$ 22,547	\$ 23,043	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,043
South Bowenfels	Reticulation	Mh194~Mh193	1940	\$ 3,753	\$ 3,836	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,836
South Bowenfels	Reticulation	Mh195~Mh194	1940	\$ 4,892	\$ 5,000	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
South Bowenfels	Reticulation	Mh196~Mh194	1940	\$ 7,100	\$ 7,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,256
South Bowenfels	Reticulation	Mh197~Mh196	1940	\$ 19,901	\$ 20,339	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,339
South Bowenfels	Reticulation	Mh198~Mh197	1940	\$ 22,246	\$ 22,735	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,735
South Bowenfels	Reticulation	Mh199~Mh200	1940	\$ 24,521	\$ 25,061	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,061
South Bowenfels	Reticulation	Mh2/100~Mh2/99	1954	\$ 4,535	\$ 4,635	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,635
South Bowenfels	Reticulation	Mh2/101~Mh2/68	1954	\$ 15,227	\$ 15,562	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,562
South Bowenfels	Reticulation	Mh2/102~Mh1048	1954	\$ 21,040	\$ 21,503	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,503
South Bowenfels	Reticulation	Mh2/103~Mh2/102	1954	\$ 16,577	\$ 16,941	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,941
South Bowenfels	Reticulation	Mh2/104~Mh2/101	1954	\$ 9,159	\$ 9,360	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,360
South Bowenfels	Reticulation	Mh2/105~Mh2/104	1942	\$ 14,812	\$ 15,137	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,137
South Bowenfels	Reticulation	Mh2/106~Mh2/105	1942	\$ 20,358	\$ 20,806	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,806
South Bowenfels	Reticulation	Mh2/107~Mh2/106	1942	\$ 20,923	\$ 21,383	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,383
South Bowenfels	Reticulation	Mh2/108~Mh2/105	1942	\$ 8,882	\$ 9,077	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,077
South Bowenfels	Reticulation	Mh2/109~Mh2/108	1942	\$ 9,989	\$ 10,209	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,209
South Bowenfels	Reticulation	Mh2/110~Mh2/109	1942	\$ 20,136	\$ 20,579	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,579
South Bowenfels	Reticulation	Mh2/111~Mh2/110	1942	\$ 8,327	\$ 8,510	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,510
South Bowenfels	Reticulation	Mh2/112~Mh2/108	1942	\$ 15,955	\$ 16,306	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,306
South Bowenfels	Reticulation	Mh2/113~Mh2/112	1942	\$ 10,001	\$ 10,221	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,221
South Bowenfels	Reticulation	Mh2/114~Mh2/113	1942	\$ 7,864	\$ 8,037	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,037

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
South Bowenfels	Reticulation	Mh2/115-Mh2/113	1942	\$ 11,030	\$ 11,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,273
South Bowenfels	Reticulation	Mh2/116-Mh2/115	1942	\$ 9,152	\$ 9,354	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,354
South Bowenfels	Reticulation	Mh2/117-Mh2/116	1942	\$ 11,254	\$ 11,502	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,502
South Bowenfels	Reticulation	Mh2/118-Mh2/117	1942	\$ 7,435	\$ 7,599	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,599
South Bowenfels	Reticulation	Mh2/119-Mh2/118	1942	\$ 6,773	\$ 6,922	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,922
South Bowenfels	Reticulation	Mh2/120-Mh2/116	1942	\$ 5,412	\$ 5,531	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,531
South Bowenfels	Reticulation	Mh2/121-Mh2/120	1942	\$ 4,657	\$ 4,759	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,759
South Bowenfels	Reticulation	Mh2/122-Mh2/121	1942	\$ 7,454	\$ 7,618	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,618
South Bowenfels	Reticulation	Mh2/123-Mh2/120	1942	\$ 9,569	\$ 9,779	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,779
South Bowenfels	Reticulation	Mh2/124-Mh2/123	1942	\$ 6,666	\$ 6,813	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,813
South Bowenfels	Reticulation	Mh2/125-Mh2/124	1942	\$ 9,702	\$ 9,916	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,916
South Bowenfels	Reticulation	Mh2/126-Mh2/125	1942	\$ 7,400	\$ 7,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,563
South Bowenfels	Reticulation	Mh2/127-Mh1047	1942	\$ 12,279	\$ 12,550	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,550
South Bowenfels	Reticulation	Mh2/128-Mh2/127	1942	\$ 21,192	\$ 21,658	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,658
South Bowenfels	Reticulation	Mh2/128b-Mh2/128	1942	\$ 9,344	\$ 9,549	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,549
South Bowenfels	Reticulation	Mh2/129-Mh2/128b	1942	\$ 17,212	\$ 17,590	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,590
South Bowenfels	Reticulation	Mh2/12b-Mh2/12	1954	\$ 8,335	\$ 8,518	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,518
South Bowenfels	Reticulation	Mh2/130-Mh2/129	1942	\$ 13,186	\$ 13,476	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,476
South Bowenfels	Reticulation	Mh2/131-Mh2/130	1942	\$ 12,187	\$ 12,455	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,455
South Bowenfels	Reticulation	Mh2/132-Mh2/130	1942	\$ 10,705	\$ 10,940	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,940
South Bowenfels	Reticulation	Mh2/133-Mh2/132	1942	\$ 10,803	\$ 11,041	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,041
South Bowenfels	Reticulation	Mh2/134-Mh2/128	1942	\$ 8,402	\$ 8,587	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,587
South Bowenfels	Reticulation	Mh2/135-Mh2/134	1942	\$ 20,659	\$ 21,113	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,113
South Bowenfels	Reticulation	Mh2/136-Mh2/135	1942	\$ 8,922	\$ 9,118	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,118
South Bowenfels	Reticulation	Mh2/137-Mh2/136	1942	\$ 11,154	\$ 11,400	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,400
South Bowenfels	Reticulation	Mh2/138-Mh2/135	1940	\$ 45,458	\$ 46,458	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$46,458
South Bowenfels	Reticulation	Mh2/139-Mh2/138	1942	\$ 5,906	\$ 6,036	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,036
South Bowenfels	Reticulation	Mh2/140-Mh2/139	1942	\$ 9,710	\$ 9,924	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,924
South Bowenfels	Reticulation	Mh2/141-Mh2/140	1942	\$ 13,121	\$ 13,410	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,410
South Bowenfels	Reticulation	Mh2/142-Mh2/141	1942	\$ 8,616	\$ 8,806	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,806
South Bowenfels	Reticulation	Mh2/143-Mh2/142	1942	\$ 9,658	\$ 9,870	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,870
South Bowenfels	Reticulation	Mh2/144-Mh2/143	1942	\$ 7,622	\$ 7,790	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,790
South Bowenfels	Reticulation	Mh2/145-Mh2/140	1942	\$ 4,140	\$ 4,231	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,231
South Bowenfels	Reticulation	Mh2/146-Mh2/145	1942	\$ 12,674	\$ 12,953	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,953
South Bowenfels	Reticulation	Mh2/147-Mh2/146	1942	\$ 4,293	\$ 4,387	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,387
South Bowenfels	Reticulation	Mh2/148-Mh2/146	1942	\$ 3,366	\$ 3,440	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,440
South Bowenfels	Reticulation	Mh2/150-Mh2/249	1975	\$ 7,780	\$ 7,951	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,951
South Bowenfels	Reticulation	Mh2/151-Mh2/150	1975	\$ 10,677	\$ 10,912	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,912
South Bowenfels	Reticulation	Mh2/152-Mh2/151	1942	\$ 6,404	\$ 6,545	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,545
South Bowenfels	Reticulation	Mh2/153-Mh2/152	1942	\$ 7,197	\$ 7,355	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,355
South Bowenfels	Reticulation	Mh2/154-Mh2/151	1942	\$ 2,561	\$ 2,618	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,618
South Bowenfels	Reticulation	Mh2/155-Mh2/154	1975	\$ 11,444	\$ 11,696	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,696
South Bowenfels	Reticulation	Mh2/156-Mh2/155	1975	\$ 3,736	\$ 3,818	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,818
South Bowenfels	Reticulation	Mh2/158-Mh2/257	1975	\$ 20,791	\$ 21,248	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,248
South Bowenfels	Reticulation	Mh2/159-Mh2/158	1975	\$ 10,173	\$ 10,397	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,397
South Bowenfels	Reticulation	Mh2/16-Mh2/15	1954	\$ 6,595	\$ 6,740	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,740
South Bowenfels	Reticulation	Mh2/160-Mh2/257	1975	\$ 14,642	\$ 14,964	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,964
South Bowenfels	Reticulation	Mh2/161-Mh2/160	1975	\$ 31,499	\$ 32,192	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,192
South Bowenfels	Reticulation	Mh2/162-Mh2/161	1975	\$ 14,735	\$ 15,059	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,059
South Bowenfels	Reticulation	Mh2/163-Mh2/162	1975	\$ 11,750	\$ 12,009	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,009
South Bowenfels	Reticulation	Mh2/164-Mh2/162	1975	\$ 19,495	\$ 19,924	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,924
South Bowenfels	Reticulation	Mh2/165-Mh2/162	1975	\$ 7,729	\$ 7,899	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,899
South Bowenfels	Reticulation	Mh2/166-Mh2/165	1975	\$ 12,426	\$ 12,700	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,700
South Bowenfels	Reticulation	Mh2/167-Mh2/165	1975	\$ 19,279	\$ 19,703	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,703
South Bowenfels	Reticulation	Mh2/168-Mh2/161	1975	\$ 19,698	\$ 20,131	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,131
South Bowenfels	Reticulation	Mh2/169-Mh2/168	1975	\$ 20,489	\$ 20,940	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,940
South Bowenfels	Reticulation	Mh2/17-Mh2/16	1954	\$ 5,840	\$ 5,968	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,968
South Bowenfels	Reticulation	Mh2/170-Mh2/169	1975	\$ 7,351	\$ 7,513	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,513
South Bowenfels	Reticulation	Mh2/170a-Mh2/170b	1975	\$ 8,994	\$ 9,191	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,191
South Bowenfels	Reticulation	Mh2/170b-Mh2/193	1975	\$ 30,086	\$ 30,748	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,748
South Bowenfels	Reticulation	Mh2/170c-Mh2/170b	1975	\$ 12,423	\$ 12,696	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,696
South Bowenfels	Reticulation	Mh2/170d-Mh2/170c	1975	\$ 4,733	\$ 4,837	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,837
South Bowenfels	Reticulation	Mh2/170e-Mh2/170d	1975	\$ 19,988	\$ 20,428	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,428
South Bowenfels	Reticulation	Mh2/171-Mh2/170	1975	\$ 8,371	\$ 8,556	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,556
South Bowenfels	Reticulation	Mh2/172-Mh2/171	1975	\$ 6,882	\$ 7,033	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,033
South Bowenfels	Reticulation	Mh2/173-Mh2/172	1975	\$ 16,930	\$ 17,302	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,302
South Bowenfels	Reticulation	Mh2/174-Mh2/172	1975	\$ 8,180	\$ 8,360	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,360
South Bowenfels	Reticulation	Mh2/175-Mh2/174	1975	\$ 16,952	\$ 17,325	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,325
South Bowenfels	Reticulation	Mh2/176-Mh2/171	1975	\$ 12,870	\$ 13,153	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,153
South Bowenfels	Reticulation	Mh2/177-Mh2/176	1975	\$ 4,520	\$ 4,620	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,620

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
South Bowenfels	Reticulation	Mh2/178-Mh2/177	1975	\$ 11,797	\$ 12,056	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,056
	Reticulation	Mh2/18-Mh2/17	1954	\$ 13,907	\$ 14,213	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,213
	Reticulation	Mh2/180-SPS1227	1975	\$ 11,981	\$ 12,245	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,245
	Reticulation	Mh2/181-Mh2/180	1975	\$ 17,841	\$ 18,233	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,233
	Reticulation	Mh2/182-Mh2/181	1975	\$ 10,422	\$ 10,651	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,651
	Reticulation	Mh2/183-Mh2/182	1975	\$ 10,554	\$ 10,786	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,786
	Reticulation	Mh2/184-Mh2/183	1975	\$ 8,387	\$ 8,572	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,572
	Reticulation	Mh2/187-Mh2/186	1975	\$ 6,710	\$ 6,858	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,858
	Reticulation	Mh2/189-Mh2/188a	1975	\$ 10,388	\$ 10,617	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,617
	Reticulation	Mh2/19-Mh2/18	1954	\$ 8,453	\$ 8,638	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,638
South Bowenfels	Reticulation	Mh2/197-Mh2/196	1975	\$ 3,531	\$ 3,609	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,609
	Reticulation	Mh2/20-Mh2/19	1954	\$ 11,281	\$ 11,530	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,530
	Reticulation	Mh2/203-Mh2/202	1975	\$ 1,791	\$ 1,831	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,831
	Reticulation	Mh2/205-Mh2/204	1975	\$ 11,816	\$ 12,076	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,076
	Reticulation	Mh2/206-Mh2/205	1975	\$ 10,485	\$ 10,716	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,716
	Reticulation	Mh2/207-Mh2/203	1975	\$ 2,452	\$ 2,506	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,506
	Reticulation	Mh2/21-Mh2/17	1954	\$ 12,089	\$ 12,355	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,355
	Reticulation	Mh2/211-Mh2/207	1975	\$ 11,351	\$ 11,601	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,601
	Reticulation	Mh2/212-Mh2/211	1975	\$ 16,562	\$ 16,927	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,927
	Reticulation	Mh2/22-Mh2/21	1954	\$ 7,384	\$ 7,546	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,546
South Bowenfels	Reticulation	Mh2/223-Mh2/222	1975	\$ 4,775	\$ 4,880	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,880
	Reticulation	Mh2/224-Mh2/223	1975	\$ 5,763	\$ 5,890	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,890
	Reticulation	Mh2/225-Mh2/224	1975	\$ 15,248	\$ 15,583	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,583
	Reticulation	Mh2/226-Mh2/225	1975	\$ 15,844	\$ 16,193	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,193
	Reticulation	Mh2/227-Mh2/226	1975	\$ 19,165	\$ 19,586	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,586
	Reticulation	Mh2/228-Mh2/227	1975	\$ 6,201	\$ 6,338	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,338
	Reticulation	Mh2/229-Mh2/228	1975	\$ 5,946	\$ 6,076	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,076
	Reticulation	Mh2/23-Mh2/21	1954	\$ 8,292	\$ 8,475	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,475
	Reticulation	Mh2/231-Mh2/230	1975	\$ 11,830	\$ 12,090	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,090
	Reticulation	Mh2/232-Mh2/230	1975	\$ 8,126	\$ 8,305	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,305
South Bowenfels	Reticulation	Mh2/232-Mh2/232	1975	\$ 6,574	\$ 6,718	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,718
	Reticulation	Mh2/233-Mh2/232	1975	\$ 4,723	\$ 4,827	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,827
	Reticulation	Mh2/234-Mh2/233	1975	\$ 13,822	\$ 14,126	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,126
	Reticulation	Mh2/235-Mh2/234	1975	\$ 3,987	\$ 4,075	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,075
	Reticulation	Mh2/236-Mh2/235	1975	\$ 10,086	\$ 10,308	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,308
	Reticulation	Mh2/24-Mh2/23	1954	\$ 13,615	\$ 13,914	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,914
	Reticulation	Mh2/249-Mh2/138	1975	\$ 10,261	\$ 10,487	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,487
	Reticulation	Mh2/257-Mh2/156	1975	\$ 11,893	\$ 12,155	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,155
	Reticulation	Mh2/28-Mh2/27	1954	\$ 9,439	\$ 9,647	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,647
	Reticulation	Mh2/29-Mh2/28	1954	\$ 10,373	\$ 10,601	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,601
South Bowenfels	Reticulation	Mh2/2b-Mh1/2	2004	\$ 5,888	\$ 6,018	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,018
	Reticulation	Mh2/31-Mh2/30	1954	\$ 8,055	\$ 8,233	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,233
	Reticulation	Mh2/32-Mh2/31	1954	\$ 14,134	\$ 14,445	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,445
	Reticulation	Mh2/33-Mh2/32	1954	\$ 19,725	\$ 20,159	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,159
	Reticulation	Mh2/34-Mh2/33	1954	\$ 18,203	\$ 18,603	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,603
	Reticulation	Mh2/35-Mh2/34	1954	\$ 16,343	\$ 16,702	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,702
	Reticulation	Mh2/37-Mh2/36	1954	\$ 15,997	\$ 16,349	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,349
	Reticulation	Mh2/38-Mh2/37	1954	\$ 12,103	\$ 12,369	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,369
	Reticulation	Mh2/3b-Mh1/3a	2004	\$ 5,812	\$ 5,940	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,940
	Reticulation	Mh2/53-Mh2/15	1954	\$ 12,009	\$ 12,273	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,273
South Bowenfels	Reticulation	Mh2/54-Mh2/53	1954	\$ 18,116	\$ 18,515	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,515
	Reticulation	Mh2/55-Mh2/54	1954	\$ 14,551	\$ 14,871	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,871
	Reticulation	Mh2/56-Mh2/55	1954	\$ 3,738	\$ 3,821	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,821
	Reticulation	Mh2/57-Mh2/56	1954	\$ 10,097	\$ 10,319	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,319
	Reticulation	Mh2/58-Mh2/57	1954	\$ 11,324	\$ 11,573	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,573
	Reticulation	Mh2/59-Mh2/56	1954	\$ 9,805	\$ 10,021	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,021
	Reticulation	Mh2/60-Mh2/59	1954	\$ 6,769	\$ 6,918	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,918
	Reticulation	Mh2/61-Mh2/60	1954	\$ 5,084	\$ 5,175	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,175
	Reticulation	Mh2/62-Mh2/60	1954	\$ 9,733	\$ 9,947	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,947
	Reticulation	Mh2/63-Mh2/62	1954	\$ 7,377	\$ 7,539	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,539
South Bowenfels	Reticulation	Mh2/64-Mh2/63	1954	\$ 5,960	\$ 6,091	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,091
	Reticulation	Mh2/65-Mh2/63	1954	\$ 7,549	\$ 7,715	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,715
	Reticulation	Mh2/66-Mh2/65	1954	\$ 20,385	\$ 20,833	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,833
	Reticulation	Mh2/67-Mh2/66	1954	\$ 4,782	\$ 4,887	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,887
	Reticulation	Mh2/68-Mh2/64	1954	\$ 18,978	\$ 19,395	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,395
	Reticulation	Mh2/69-Mh2/68	1954	\$ 30,362	\$ 31,030	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,030
	Reticulation	Mh2/70-Mh2/69	1954	\$ 4,011	\$ 4,099	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,099
	Reticulation	Mh2/71-Mh2/70	1954	\$ 11,321	\$ 11,570	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,570
	Reticulation	Mh2/72-Mh2/70	1954	\$ 41,971	\$ 42,895	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,895
	Reticulation	Mh2/73-Mh2/72	1954	\$ 4,350	\$ 4,446	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,446

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
South Bowenfels	Reticulation	Mh2/74-Mh2/73	1954	\$ 4,613	\$ 4,715	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,715
	Reticulation	Mh2/75-Mh2/74	1954	\$ 16,314	\$ 16,673	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,673
	Reticulation	Mh2/76-Mh2/75	1954	\$ 15,858	\$ 16,207	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,207
	Reticulation	Mh2/77-Mh1042	1954	\$ 19,508	\$ 19,937	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,937
	Reticulation	Mh2/78-Mh2/77	1954	\$ 12,751	\$ 13,031	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,031
	Reticulation	Mh2/79-Mh2/78	1954	\$ 13,458	\$ 13,754	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,754
	Reticulation	Mh2/80-Mh2/69	1954	\$ 15,044	\$ 15,375	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,375
	Reticulation	Mh2/81-Mh2/80	1954	\$ 16,617	\$ 16,983	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,983
	Reticulation	Mh2/82-Mh2/68	1954	\$ 18,171	\$ 18,570	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,570
	Reticulation	Mh2/83-Mh2/82	1954	\$ 10,095	\$ 10,318	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,318
South Bowenfels	Reticulation	Mh2/84-Mh2/83	1954	\$ 16,450	\$ 16,812	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,812
	Reticulation	Mh2/85-Mh2/84	1954	\$ 13,491	\$ 13,788	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,788
	Reticulation	Mh2/86-Mh2/82	1954	\$ 14,062	\$ 14,371	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,371
	Reticulation	Mh2/87-Mh2/86	1954	\$ 13,810	\$ 14,114	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,114
	Reticulation	Mh2/88-Mh2/87	1954	\$ 14,705	\$ 15,029	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,029
	Reticulation	Mh2/89-Mh2/88	1954	\$ 6,473	\$ 6,615	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,615
	Reticulation	Mh2/90-Mh2/88	1954	\$ 9,223	\$ 9,425	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,425
	Reticulation	Mh2/91-Mh2/90	1954	\$ 9,389	\$ 9,595	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,595
	Reticulation	Mh2/92-Mh2/91	1954	\$ 12,228	\$ 12,497	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,497
	Reticulation	Mh2/93-Mh2/92	1954	\$ 7,870	\$ 8,043	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,043
South Bowenfels	Reticulation	Mh2/94-Mh2/90	1954	\$ 9,974	\$ 10,194	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,194
	Reticulation	Mh2/95-Mh2/94	1954	\$ 12,132	\$ 12,398	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,398
	Reticulation	Mh2/96-Mh2/95	1954	\$ 6,304	\$ 6,443	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,443
	Reticulation	Mh2/97-Mh2/96	1954	\$ 10,934	\$ 11,175	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,175
	Reticulation	Mh2/98-Mh2/94	1954	\$ 16,060	\$ 16,413	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,413
	Reticulation	Mh2/99-Mh2/98	1954	\$ 13,674	\$ 13,975	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,975
	Reticulation	Mh2/9b-Mh1/9b	1940	\$ 22,285	\$ 22,776	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,776
	Reticulation	Mh200-Mh196	1940	\$ 31,504	\$ 32,197	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,197
	Reticulation	Mh202-Mh199	1940	\$ 25,805	\$ 26,373	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,373
	Reticulation	Mh203-Mh202	1940	\$ 28,648	\$ 29,279	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,279
South Bowenfels	Reticulation	Mh204-Mh203	1940	\$ 12,247	\$ 12,516	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,516
	Reticulation	Mh205-Mh204	1940	\$ 6,332	\$ 6,472	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,472
	Reticulation	Mh206-Mh205	1940	\$ 12,893	\$ 13,177	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,177
	Reticulation	Mh207-Mh205	1940	\$ 6,619	\$ 6,765	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,765
	Reticulation	Mh208-Mh187	1940	\$ 21,103	\$ 21,568	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,568
	Reticulation	Mh212-MhA9	1998	\$ 18,568	\$ 18,976	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,976
	Reticulation	Mh213-Mh212	1998	\$ 9,120	\$ 9,321	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,321
	Reticulation	Mh214-Mh212	1998	\$ 4,373	\$ 4,469	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,469
	Reticulation	Mh2144-Mh2145	2003	\$ 16,606	\$ 16,972	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,972
	Reticulation	Mh2145-Mh2146	2003	\$ 13,626	\$ 13,926	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,926
South Bowenfels	Reticulation	Mh2146-Mh2147	2003	\$ 6,618	\$ 6,763	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,763
	Reticulation	Mh2147-Mh168	2003	\$ 16,868	\$ 17,239	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,239
	Reticulation	Mh215-Mh217	1940	\$ 20,320	\$ 20,675	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,675
	Reticulation	Mh216-Mh218	1940	\$ 21,338	\$ 21,797	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,797
	Reticulation	Mh217-Mh218	1940	\$ 5,347	\$ 5,465	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,465
	Reticulation	Mh218-Mh219	1940	\$ 7,093	\$ 7,249	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,249
	Reticulation	Mh219-Mh220	1940	\$ 5,191	\$ 5,306	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,306
	Reticulation	Mh2A/1-Mh1/1a	2004	\$ 8,191	\$ 8,371	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,371
	Reticulation	Mh3/2b-Mh2/2b	2004	\$ 5,531	\$ 5,653	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,653
	Reticulation	Mh3/3b-Mh2/3b	2004	\$ 10,656	\$ 10,891	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,891
South Bowenfels	Reticulation	Mh3/9b-Mh2/9b	1940	\$ 19,880	\$ 20,318	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,318
	Reticulation	Mh4/2b-Mh3/2b	2004	\$ 9,410	\$ 9,617	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,617
	Reticulation	Mh4/3b-Mh3/3b	2004	\$ 16,394	\$ 16,755	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,755
	Reticulation	Mh4-Mh3	1942	\$ 9,314	\$ 9,518	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,518
	Reticulation	Mh44-Mh191	1940	\$ 15,401	\$ 15,740	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,740
	Reticulation	Mh45-Mh1102	1940	\$ 24,035	\$ 24,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,563
	Reticulation	Mh5/1b-SPS1217	1940	\$ 23,977	\$ 24,504	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,504
	Reticulation	Mh5/2b-Mh4/2b	2004	\$ 10,814	\$ 11,052	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,052
	Reticulation	Mh5/3b-Mh4/3b	2004	\$ 19,169	\$ 19,590	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,590
	Rising Mains	Mh5/6-Mh5/5	1912	\$ 12,272	\$ 12,542	12,542	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,542
South Bowenfels	Reticulation	Mh6/1b-Mh5/1b	1940	\$ 25,188	\$ 25,742	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25,742
	Reticulation	Mh6/2b-Mh5/2b	2004	\$ 14,997	\$ 15,327	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,327
	Reticulation	Mh7/1b-Mh6/1b	1940	\$ 29,150	\$ 29,791	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,791
	Reticulation	Mh8-Mh6	1942	\$ 16,968	\$ 17,341	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,341
	Reticulation	Mh9/1b-Mh7/1b	1940	\$ 25,648	\$ 26,212	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,212
	Reticulation	MhA5b-Mh1112	1940	\$ 12,445	\$ 12,719	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,719
	Reticulation	MhA6b-MhA5b	1940	\$ 8,871	\$ 9,066	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,066
	Reticulation	MhA7b-MhA6b	1940	\$ 8,243	\$ 8,424	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,424
	Reticulation	MhA8-MhA7b	1940	\$ 10,035	\$ 10,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,256
	Reticulation	MhA9-MhA8	1940	\$ 10,506	\$ 10,737	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,737

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
South Bowenfels	Reticulation	Mhl1-MhA5b	1940	\$ 9,947	\$ 10,165	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,165
South Bowenfels	Reticulation	Mhl2-Mhl1	1940	\$ 8,189	\$ 8,369	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,369
South Bowenfels	Reticulation	Mhl2A-Mhl2	1940	\$ 11,797	\$ 12,056	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,056
South Bowenfels	Reticulation	Mhl3-Mhl2A	1940	\$ 11,742	\$ 12,000	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
South Bowenfels	Reticulation	Mhl4-Mhl3	1940	\$ 10,763	\$ 11,000	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,000
South Bowenfels	Reticulation	Mhl-S1/1-Mhl-1145	2004	\$ 15,634	\$ 15,978	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,978
South Bowenfels	Reticulation	Mhl-S1/10-Mhl-S1/9	2004	\$ 21,809	\$ 22,289	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,289
South Bowenfels	Reticulation	Mhl-S1/11-Mhl-S1/10	2004	\$ 12,717	\$ 12,996	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,996
South Bowenfels	Reticulation	Mhl-S1/2-Mhl-S1/1	2004	\$ 13,286	\$ 13,578	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,578
South Bowenfels	Reticulation	Mhl-S1/3-Mhl-S1/2	2004	\$ 20,558	\$ 21,010	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,010
South Bowenfels	Reticulation	Mhl-S1/4-Mhl-S1/3	2004	\$ 10,996	\$ 11,238	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,238
South Bowenfels	Reticulation	Mhl-S1/5-Mhl-S1/4	2004	\$ 30,685	\$ 31,330	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,330
South Bowenfels	Reticulation	Mhl-S1/6-Mhl-S1/5	2004	\$ 26,370	\$ 26,950	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,950
South Bowenfels	Reticulation	Mhl-S1/7-Mhl-S1/6	2004	\$ 7,574	\$ 7,740	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,740
South Bowenfels	Reticulation	Mhl-S1/8-Mhl-S1/7	2004	\$ 6,475	\$ 6,618	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,618
South Bowenfels	Reticulation	Mhl-S1/9-Mhl-S1/8	2004	\$ 22,318	\$ 22,809	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,809
South Bowenfels	Reticulation	Mhl-S11/1-Mhl-S6/3	2004	\$ 5,420	\$ 5,539	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,539
South Bowenfels	Reticulation	Mhl-S11/2-Mhl-S11/1	2004	\$ 6,121	\$ 6,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,256
South Bowenfels	Reticulation	Mhl-S12/1-Mhl-S6/5	2004	\$ 9,756	\$ 9,970	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,970
South Bowenfels	Reticulation	Mhl-S12/2-Mhl-S12/1	2004	\$ 11,798	\$ 12,057	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,057
South Bowenfels	Reticulation	Mhl-S12/4-Mhl-S12/2	2004	\$ 12,433	\$ 12,707	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,707
South Bowenfels	Reticulation	Mhl-S12/5-Mhl-S12/4	2004	\$ 11,391	\$ 11,642	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,642
South Bowenfels	Reticulation	Mhl-S13/1-Mhl-S6/6	2004	\$ 8,746	\$ 8,938	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,938
South Bowenfels	Reticulation	Mhl-S13/2-Mhl-S13/1	2004	\$ 9,272	\$ 9,476	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,476
South Bowenfels	Reticulation	Mhl-S13/3-Mhl-S13/2	2004	\$ 4,306	\$ 4,400	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,400
South Bowenfels	Reticulation	Mhl-S13/4-Mhl-S13/3	2004	\$ 9,274	\$ 9,478	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,478
South Bowenfels	Reticulation	Mhl-S14/1-Mhl-S12/1	2004	\$ 9,829	\$ 10,046	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,046
South Bowenfels	Reticulation	Mhl-S14/2-Mhl-S14/1	2004	\$ 21,040	\$ 21,503	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,503
South Bowenfels	Reticulation	Mhl-S14/3-Mhl-S14/2	2004	\$ 12,794	\$ 13,076	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,076
South Bowenfels	Reticulation	Mhl-S14/4-Mhl-S14/3	2004	\$ 13,241	\$ 13,533	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,533
South Bowenfels	Reticulation	Mhl-S14/5-Mhl-S14/4	2004	\$ 17,083	\$ 17,459	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,459
South Bowenfels	Reticulation	Mhl-S14/6-Mhl-S14/5	2004	\$ 7,981	\$ 8,157	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,157
South Bowenfels	Reticulation	Mhl-S15/1-Mhl-S5/3	2004	\$ 6,669	\$ 6,816	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,816
South Bowenfels	Reticulation	Mhl-S15/2-Mhl-S15/1	2004	\$ 4,258	\$ 4,351	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,351
South Bowenfels	Reticulation	Mhl-S15/3-Mhl-S15/2	2004	\$ 2,965	\$ 3,030	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,030
South Bowenfels	Reticulation	Mhl-S15/4-Mhl-S15/3	2004	\$ 3,086	\$ 3,154	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,154
South Bowenfels	Reticulation	Mhl-S15/5-Mhl-S15/4	2004	\$ 8,150	\$ 8,329	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,329
South Bowenfels	Reticulation	Mhl-S15/6-Mhl-S15/5	2004	\$ 1,866	\$ 1,907	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,907
South Bowenfels	Reticulation	Mhl-S16/1-Mhl-S5/4	2004	\$ 7,002	\$ 7,156	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,156
South Bowenfels	Reticulation	Mhl-S17/2-Mhl-S5/7	2004	\$ 16,001	\$ 16,353	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,353
South Bowenfels	Reticulation	Mhl-S18/1-Mhl-S5/9	2004	\$ 13,101	\$ 13,389	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,389
South Bowenfels	Reticulation	Mhl-S18/2-Mhl-S18/1	2004	\$ 11,944	\$ 12,207	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,207
South Bowenfels	Reticulation	Mhl-S19/1-Mhl-S13/1	2004	\$ 7,736	\$ 7,906	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,906
South Bowenfels	Reticulation	Mhl-S2/2-Mhl-1145	2004	\$ 6,642	\$ 6,788	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,788
South Bowenfels	Reticulation	Mhl-S2/3-Mhl-S2/2	2004	\$ 8,172	\$ 8,352	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,352
South Bowenfels	Reticulation	Mhl-S2/4-Mhl-S2/3	2004	\$ 16,527	\$ 16,891	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,891
South Bowenfels	Reticulation	Mhl-S2/5-Mhl-S2/4	2004	\$ 4,377	\$ 4,474	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,474
South Bowenfels	Reticulation	Mhl-S2/6-Mhl-S2/5	2004	\$ 10,335	\$ 10,563	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,563
South Bowenfels	Reticulation	Mhl-S2/7-Mhl-S2/6	2004	\$ 6,614	\$ 6,759	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,759
South Bowenfels	Reticulation	Mhl-S20/1-Mhl-S14/1	2004	\$ 17,910	\$ 18,305	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,305
South Bowenfels	Reticulation	Mhl-S20/2-Mhl-S20/1	2004	\$ 17,754	\$ 18,145	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,145
South Bowenfels	Reticulation	Mhl-S20/3-Mhl-S20/2	2004	\$ 12,944	\$ 13,228	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,228
South Bowenfels	Reticulation	Mhl-S21/1-Mhl-S14/2	2004	\$ 16,137	\$ 16,492	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,492
South Bowenfels	Reticulation	Mhl-S21/2-Mhl-S21/1	2004	\$ 14,335	\$ 14,651	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,651
South Bowenfels	Reticulation	Mhl-S22/1-Mhl-S14/3	2004	\$ 6,141	\$ 6,276	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,276
South Bowenfels	Reticulation	Mhl-S3/1-Mhl-S2/2	2004	\$ 3,583	\$ 3,662	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,662
South Bowenfels	Reticulation	Mhl-S3/2-Mhl-S3/1	2004	\$ 10,670	\$ 10,905	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,905
South Bowenfels	Reticulation	Mhl-S3/3-Mhl-S3/2	2004	\$ 18,283	\$ 18,686	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,686
South Bowenfels	Reticulation	Mhl-S4/1-Mhl-S2/5	2004	\$ 6,003	\$ 6,135	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,135
South Bowenfels	Reticulation	Mhl-S5/1-Mhl-S2/5	2004	\$ 5,344	\$ 5,461	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,461
South Bowenfels	Reticulation	Mhl-S5/10-Mhl-S5/9	2004	\$ 9,493	\$ 9,702	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,702
South Bowenfels	Reticulation	Mhl-S5/11-Mhl-S5/10	2004	\$ 12,941	\$ 13,226	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,226
South Bowenfels	Reticulation	Mhl-S5/12-Mhl-S5/11	2004	\$ 11,691	\$ 11,949	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,949
South Bowenfels	Reticulation	Mhl-S5/13-Mhl-S5/12	2004	\$ 12,897	\$ 13,180	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,180
South Bowenfels	Reticulation	Mhl-S5/2-Mhl-S5/1	2004	\$ 8,044	\$ 8,221	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,221
South Bowenfels	Reticulation	Mhl-S5/3-Mhl-S5/2	2004	\$ 5,506	\$ 5,627	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,627
South Bowenfels	Reticulation	Mhl-S5/4-Mhl-S5/3	2004	\$ 4,457	\$ 4,556	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,556
South Bowenfels	Reticulation	Mhl-S5/5-Mhl-S5/4	2004	\$ 9,079	\$ 9,279	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,279
South Bowenfels	Reticulation	Mhl-S5/6-Mhl-S5/5	2004	\$ 9,408	\$ 9,615	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,615

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
South Bowenfels	Reticulation	MhL-S5/7-MhL-S5/6	2004	\$ 15,264	\$ 15,599	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,599
	Reticulation	MhL-S5/8-MhL-S5/7	2004	\$ 9,229	\$ 9,432	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,432
	Reticulation	MhL-S5/9-MhL-S5/8	2004	\$ 6,122	\$ 6,256	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,256
	Reticulation	MhL-S6/1-MhL-S5/1	2004	\$ 2,913	\$ 2,977	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,977
	Reticulation	MhL-S6/10-MhL-S6/9	2004	\$ 18,466	\$ 18,872	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,872
	Reticulation	MhL-S6/11-MhL-S6/10	2004	\$ 18,565	\$ 18,973	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,973
	Reticulation	MhL-S6/12-MhL-S6/11	2004	\$ 7,151	\$ 7,308	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,308
	Reticulation	MhL-S6/2-MhL-S6/1	2004	\$ 23,064	\$ 23,602	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,602
	Reticulation	MhL-S6/3-MhL-S6/2	2004	\$ 9,256	\$ 9,460	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,460
	Reticulation	MhL-S6/4-MhL-S6/3	2004	\$ 8,578	\$ 8,767	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,767
	Reticulation	MhL-S6/5-MhL-S6/4	2004	\$ 5,661	\$ 5,786	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,786
	Reticulation	MhL-S6/6-MhL-S6/5	2004	\$ 9,249	\$ 9,452	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,452
South Bowenfels	Reticulation	MhL-S6/7-MhL-S6/6	2004	\$ 20,526	\$ 20,978	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,978
	Reticulation	MhL-S6/8-MhL-S6/7	2004	\$ 7,577	\$ 7,744	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,744
	Reticulation	MhL-S6/9-MhL-S6/8	2004	\$ 6,131	\$ 6,266	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,266
	Reticulation	MhL-S7/1-MhL-S6/2	2004	\$ 3,989	\$ 4,076	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,076
	Reticulation	MhL-S7/2-MhL-S7/1	2004	\$ 5,895	\$ 6,024	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,024
	Reticulation	MhL-S7/3-MhL-S7/2	2004	\$ 6,164	\$ 6,300	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,300
	Reticulation	MhL-S7/4-MhL-S7/3	2004	\$ 8,508	\$ 8,695	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,695
	Reticulation	MhMMH1/M-Mh1223	1940	\$ 4,776	\$ 4,881	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,881
	Reticulation	MhMMH2/M-MhMMH1/M	1940	\$ 11,392	\$ 11,643	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,643
	Reticulation	MhMMH3/M-MhMMH2/M	1940	\$ 12,099	\$ 12,365	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,365
	Reticulation	MhMMH4/M-MhMMH3/M	1940	\$ 16,182	\$ 16,538	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,538
	Reticulation	MhMMH6/M-MhMMH4/M	1940	\$ 16,722	\$ 17,090	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,090
South Bowenfels	Rising Mains	SPS1217-SPS1228	1930	\$ 41,062	\$ 41,966	\$ 41,966	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$41,966
	Rising Mains	SPS1226-SPS1227	1942	\$ 172,637	\$ 176,435	\$ 176,435	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$176,435
	Rising Mains	SPS1227-SPS2152	1942	\$ 128,153	\$ 130,973	\$ 130,973	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$130,973
	Rising Mains	SPS1228-SPS1229	1930	\$ 78,823	\$ 80,557	\$ 80,557	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$80,557
	Rising Mains	SPS1229-Mh2002	1930	\$ 177,131	\$ 181,028	\$ 181,028	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$181,028
	Rising Mains	SPS1388-Mh2002	1942	\$ 96,962	\$ 99,095	\$ 99,095	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$99,095
	Rising Mains	SPS174-Mh202	1930	\$ 109,010	\$ 111,408	\$ 111,408	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$111,408
	Reticulation	Mh144-Mh5/34	1951	\$ -	\$ -	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Monitoring	Pump Station 1	1997	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$6,715	\$0
	Monitoring	South Littleton	2015	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Monitoring	Tweed Mills	2004	\$ 6,570	\$ 6,715	\$ 6,715	\$6,715	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Submersible 50m head	Pump Station 1	1977	\$ 432,600	\$ 442,117	\$ 442,117	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$442,117
Shared Lithgow & SB	Submersible 50m head	Pump Station 1	1977	\$ 1,009,400	\$ 1,031,607	\$ 1,031,607	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,031,607
	Submersible 25m head	South Littleton	1960	\$ 394,531	\$ 403,211	\$ 403,211	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$403,211
	Submersible 25m head	South Littleton	1960	\$ 701,389	\$ 716,819	\$ 716,819	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$716,819
	Submersible 25m head	Tweed Mills	1975	\$ 314,191	\$ 321,103	\$ 321,103	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$321,103
	Submersible 25m head	Tweed Mills	1957	\$ 452,129	\$ 462,076	\$ 462,076	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$462,076
	Chemical Dosing	Lithgow WWTP Chemical Dosing All	2012	\$ 85,800	\$ 87,688	\$ 87,688	\$87,688	\$0	\$0	\$0	\$0	\$87,688	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing Bis	2012	\$ 15,600	\$ 15,943	\$ 15,943	\$15,943	\$0	\$0	\$0	\$0	\$15,943	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing Ch	2012	\$ 32,500	\$ 33,215	\$ 33,215	\$33,215	\$0	\$0	\$0	\$0	\$33,215	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing So	2012	\$ 26,000	\$ 26,572	\$ 26,572	\$26,572	\$0	\$0	\$0	\$0	\$26,572	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing All	2012	\$ 104,000	\$ 106,288	\$ 106,288	\$106,288	\$0	\$0	\$0	\$0	\$106,288	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing Bis	2012	\$ 6,500	\$ 6,643	\$ 6,643	\$6,643	\$0	\$0	\$0	\$0	\$6,643	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing Ch	2012	\$ 67,600	\$ 69,087	\$ 69,087	\$69,087	\$0	\$0	\$0	\$0	\$69,087	\$0	\$0
Shared Lithgow & SB	Chemical Dosing	Lithgow WWTP Chemical Dosing So	2012	\$ 9,750	\$ 9,965	\$ 9,965	\$9,965	\$0	\$0	\$0	\$0	\$9,965	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing All	2012	\$ 266,500	\$ 272,363	\$ 272,363	\$272,363	\$0	\$0	\$0	\$0	\$272,363	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing Bis	2012	\$ 9,750	\$ 9,965	\$ 9,965	\$9,965	\$0	\$0	\$0	\$0	\$9,965	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing Ch	2012	\$ 74,750	\$ 76,395	\$ 76,395	\$76,395	\$0	\$0	\$0	\$0	\$76,395	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing So	2012	\$ 19,500	\$ 19,929	\$ 19,929	\$19,929	\$0	\$0	\$0	\$0	\$19,929	\$0	\$0
	Chemical Dosing	Lithgow WWTP Chemical Dosing Bis	2012	\$ 104,000	\$ 106,288	\$ 106,288	\$106,288	\$0	\$0	\$0	\$0	\$106,288	\$0	\$0
	Chemical Dosing	Lithgow WWTP Disinfection Chlorine	2011	\$ 400,400	\$ 409,209	\$ 409,209	\$409,209	\$0	\$0	\$0	\$0	\$409,209	\$0	\$0
	Disinfection	Lithgow WWTP Disinfection UV Syst	2011	\$ 70,200	\$ 71,744	\$ 71,744	\$71,744	\$0	\$0	\$0	\$0	\$71,744	\$0	\$0
	Disinfection	Lithgow WWTP Disinfection Chlorine	2011	\$ 97,500	\$ 99,645	\$ 99,645	\$99,645	\$0	\$0	\$0	\$0	\$99,645	\$0	\$0
	Disinfection	Lithgow WWTP Disinfection UV Syst	2011	\$ 494,000	\$ 504,868	\$ 504,868	\$504,868	\$0	\$0	\$0	\$0	\$504,868	\$0	\$0
	Effluent Reuse	Lithgow WWTP Effluent Reuse Offsit	2011	\$ 9,750	\$ 9,965	\$ 9,965	\$9,965	\$0	\$0	\$0	\$0	\$9,965	\$0	\$0
	Effluent Reuse	Lithgow WWTP Effluent Reuse Onsit	2011	\$ 41,600	\$ 42,515	\$ 42,515	\$42,515	\$0	\$0	\$0	\$0	\$42,515	\$0	\$0
Shared Lithgow & SB	Effluent Reuse	Lithgow WWTP Effluent Reuse Offsit	2011	\$ 19,500	\$ 19,929	\$ 19,929	\$19,929	\$0	\$0	\$0	\$0	\$19,929	\$0	\$0
	Effluent Reuse	Lithgow WWTP Effluent Reuse Offsit	2011	\$ 15,600	\$ 15,943	\$ 15,943	\$15,943	\$0	\$0	\$0	\$0	\$15,943	\$0	\$0
	Effluent Reuse	Lithgow WWTP Effluent Reuse Offsit	2011	\$ 28,600	\$ 29,229	\$ 29,229	\$29,229	\$0	\$0	\$0	\$0	\$29,229	\$0	\$0
	Effluent Reuse	Lithgow WWTP Effluent Reuse Offsit	2011	\$ 28,600	\$ 29,229	\$ 29,229	\$29,229	\$0	\$0	\$0	\$0	\$29,229	\$0	\$0
	Effluent Reuse	Lithgow WWTP Effluent Storage Lag	1982	\$ 3,263,000	\$ 3,334,786	\$ 3,334,786	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,334,786
	Effluent Reuse	Lithgow WWTP Effluent Storage Cat	2011	\$ 52,000	\$ 53,144	\$ 53,144	\$53,144	\$0	\$0	\$0	\$0	\$53,144	\$0	\$0

Table 1: Lithgow City Council Existing Sewerage Assets

Table 1: Lithgow City Council Existing Sewerage Assets														
Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded
Shared Lithgow & SB	Effluent Reuse	Lithgow WWTP Effluent Storage Can	2011	\$ 188,500	\$ 192,647	\$ 192,647	\$192,647	\$0	\$0	\$0	\$0	\$192,647	\$0	\$0
Shared Lithgow & SB	Flow Control	Lithgow WWTP Flow Control Dosing	1982	\$ 123,500	\$ 126,217	\$ 126,217	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126,217
Shared Lithgow & SB	Flow Control	Lithgow WWTP Flow Control Flow D	2011	\$ 32,500	\$ 33,215	\$ 33,215	\$33,215	\$0	\$0	\$0	\$0	\$33,215	\$0	\$0
Shared Lithgow & SB	Flow Control	Lithgow WWTP Flow Control Interce	1982	\$ 19,500	\$ 19,929	\$ 19,929	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,929
Shared Lithgow & SB	Flow Control	Lithgow WWTP Flow Control Dosing	1982	\$ 32,500	\$ 33,215	\$ 33,215	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,215
Shared Lithgow & SB	Flow Control	Lithgow WWTP Flow Control Flow D	2011	\$ 19,500	\$ 19,929	\$ 19,929	\$19,929	\$0	\$0	\$0	\$0	\$19,929	\$0	\$0
Shared Lithgow & SB	Flow Control	Lithgow WWTP Flow Control Interce	1982	\$ 9,750	\$ 9,965	\$ 9,965	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,965
Shared Lithgow & SB	Preliminary Works	Lithgow WWTP Preliminary Works In	1982	\$ 247,065	\$ 252,500	\$ 252,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$252,500
Shared Lithgow & SB	Preliminary Works	Lithgow WWTP Preliminary Works G	2011	\$ 32,500	\$ 33,215	\$ 33,215	\$33,215	\$0	\$0	\$0	\$0	\$33,215	\$0	\$0
Shared Lithgow & SB	Preliminary Works	Lithgow WWTP Preliminary Works S	2011	\$ 58,500	\$ 59,787	\$ 59,787	\$59,787	\$0	\$0	\$0	\$0	\$59,787	\$0	\$0
Shared Lithgow & SB	Preliminary Works	Lithgow WWTP Preliminary Works G	2011	\$ 299,000	\$ 305,578	\$ 305,578	\$305,578	\$0	\$0	\$0	\$0	\$305,578	\$0	\$0
Shared Lithgow & SB	Preliminary Works	Lithgow WWTP Preliminary Works S	2011	\$ 234,000	\$ 239,148	\$ 239,148	\$239,148	\$0	\$0	\$0	\$0	\$239,148	\$0	\$0
Shared Lithgow & SB	Clarification	Lithgow WWTP Primary Clarification	1982	\$ 1,482,051	\$ 1,514,656	\$ 1,514,656	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,514,656
Shared Lithgow & SB	Clarification	Lithgow WWTP Primary Clarification	1982	\$ 80,600	\$ 82,373	\$ 82,373	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,373
Shared Lithgow & SB	Clarification	Lithgow WWTP Primary Clarification	1982	\$ 344,500	\$ 352,079	\$ 352,079	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$352,079
Shared Lithgow & SB	Process	Lithgow WWTP Process Process Sy	2011	\$ 234,000	\$ 239,148	\$ 239,148	\$239,148	\$0	\$0	\$0	\$0	\$239,148	\$0	\$0
Shared Lithgow & SB	Process	Lithgow WWTP Process Process Sy	2011	\$ 2,389,400	\$ 2,441,967	\$ 2,441,967	\$2,441,967	\$0	\$0	\$0	\$0	\$2,441,967	\$0	\$0
Shared Lithgow & SB	Process	Lithgow WWTP Process Auxiliary Pol	2011	\$ 110,500	\$ 112,931	\$ 112,931	\$112,931	\$0	\$0	\$0	\$0	\$112,931	\$0	\$0
Shared Lithgow & SB	Process	Lithgow WWTP Process Process Sy	2011	\$ 2,275,000	\$ 2,325,050	\$ 2,325,050	\$2,325,050	\$0	\$0	\$0	\$0	\$2,325,050	\$0	\$0
Shared Lithgow & SB	Filtration	Lithgow WWTP Secondary Biological	1982	\$ 5,104,030	\$ 5,216,318	\$ 5,216,318	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,216,318
Shared Lithgow & SB	Filtration	Lithgow WWTP Secondary Biological	1982	\$ 351,000	\$ 358,722	\$ 358,722	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$358,722
Shared Lithgow & SB	Siteworks	Lithgow WWTP Siteworks Buildings	2011	\$ 351,000	\$ 358,722	\$ 358,722	\$358,722	\$0	\$0	\$0	\$0	\$358,722	\$0	\$0
Shared Lithgow & SB	Siteworks	Lithgow WWTP Siteworks Services	2011	\$ 1,210,300	\$ 1,236,927	\$ 1,236,927	\$1,236,927	\$0	\$0	\$0	\$0	\$1,236,927	\$0	\$0
Shared Lithgow & SB	Siteworks	Lithgow WWTP Siteworks Buildings	2011	\$ 29,250	\$ 29,894	\$ 29,894	\$29,894	\$0	\$0	\$0	\$0	\$29,894	\$0	\$0
Shared Lithgow & SB	Siteworks	Lithgow WWTP Siteworks Services	2011	\$ 128,700	\$ 131,531	\$ 131,531	\$131,531	\$0	\$0	\$0	\$0	\$131,531	\$0	\$0
Shared Lithgow & SB	Siteworks	Lithgow WWTP Siteworks Buildings	2011	\$ 68,250	\$ 69,752	\$ 69,752	\$69,752	\$0	\$0	\$0	\$0	\$69,752	\$0	\$0
Shared Lithgow & SB	Siteworks	Lithgow WWTP Siteworks Services	2011	\$ 400,400	\$ 409,209	\$ 409,209	\$409,209	\$0	\$0	\$0	\$0	\$409,209	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Dewatering	2011	\$ 124,800	\$ 127,546	\$ 127,546	\$127,546	\$0	\$0	\$0	\$0	\$127,546	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Dewatering	2011	\$ 115,700	\$ 118,245	\$ 118,245	\$118,245	\$0	\$0	\$0	\$0	\$118,245	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Dewatering	2011	\$ 572,000	\$ 584,584	\$ 584,584	\$584,584	\$0	\$0	\$0	\$0	\$584,584	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment F	2016	\$ 19,500	\$ 19,929	\$ 19,929	\$19,929	\$0	\$0	\$0	\$0	\$19,929	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment S	2011	\$ 84,500	\$ 86,359	\$ 86,359	\$86,359	\$0	\$0	\$0	\$0	\$86,359	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment F	2016	\$ 32,500	\$ 33,215	\$ 33,215	\$33,215	\$0	\$0	\$0	\$0	\$33,215	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment L	2011	\$ 130,000	\$ 132,860	\$ 132,860	\$132,860	\$0	\$0	\$0	\$0	\$132,860	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment S	2011	\$ 32,500	\$ 33,215	\$ 33,215	\$33,215	\$0	\$0	\$0	\$0	\$33,215	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment F	2016	\$ 169,000	\$ 172,718	\$ 172,718	\$172,718	\$0	\$0	\$0	\$0	\$172,718	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment S	2011	\$ 68,250	\$ 69,752	\$ 69,752	\$69,752	\$0	\$0	\$0	\$0	\$69,752	\$0	\$0
Shared Lithgow & SB	Disinfection	Lithgow WWTP Disinfection UV Syst	2011	\$ 492,375	\$ 503,207	\$ 503,207	\$503,207	\$0	\$0	\$0	\$0	\$503,207	\$0	\$0
Shared Lithgow & SB	Aeration Tank Double Strea	Lithgow WWTP EAT Process Aeratio	2011	\$ 4,595,500	\$ 4,696,601	\$ 4,696,601	\$4,696,601	\$0	\$0	\$0	\$0	\$4,696,601	\$0	\$0
Shared Lithgow & SB	Aeration Tank Double Strea	Lithgow WWTP EAT Process Aeratio	2011	\$ 630,500	\$ 644,371	\$ 644,371	\$644,371	\$0	\$0	\$0	\$0	\$644,371	\$0	\$0
Shared Lithgow & SB	Aeration Tank Double Strea	Lithgow WWTP EAT Process Aeratio	2011	\$ 1,527,500	\$ 1,561,105	\$ 1,561,105	\$1,561,105	\$0	\$0	\$0	\$0	\$1,561,105	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment L	2011	\$ 1,977,170	\$ 2,020,668	\$ 2,020,668	\$2,020,668	\$0	\$0	\$0	\$0	\$2,020,668	\$0	\$0
Shared Lithgow & SB	Sludge Lagoons	Lithgow WWTP Sludge Treatment L	2011	\$ 364,000	\$ 372,008	\$ 372,008	\$372,008	\$0	\$0	\$0	\$0	\$372,008	\$0	\$0
Shared Lithgow & SB	Disinfection UV	Lamps and Wiper UV Treatment Lith	2017	\$ 82,993	\$ 84,819	\$ 84,819	\$84,819	\$0	\$0	\$0	\$0	\$84,819	\$0	\$0
Shared Lithgow & SB	Chemical Dosing	Aeration and Dosing System Sludge	2016	\$ 52,400	\$ 53,553	\$ 53,553	\$53,553	\$0	\$0	\$0	\$0	\$53,553	\$0	\$0
Shared Lithgow & SB	Rising Mains	DE121-SPS1230	1900	\$ 29,016	\$ 29,654	\$ 29,654	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$29,654
Shared Lithgow & SB	Rising Mains	Mh1/6-Mh1/7	1930	\$ 18,108	\$ 18,507	\$ 18,507	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,507
Shared Lithgow & SB	Rising Mains	Mh1/7-SPS2155	1930	\$ 11,015	\$ 11,257	\$ 11,257	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,257
Shared Lithgow & SB	Rising Mains	Mh1/8-SPS2155	1930	\$ 23,548	\$ 24,066	\$ 24,066	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$24,066
Shared Lithgow & SB	Rising Mains	Mh1/9a-Mh1/8	1930	\$ 46,938	\$ 47,971	\$ 47,971	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,971
Shared Lithgow & SB	Rising Mains	Mh2/10-Mh2/9a	1954	\$ 6,021	\$ 6,154	\$ 6,154	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,154
Shared Lithgow & SB	Rising Mains	Mh2/11-Mh2/10	1954	\$ 17,329	\$ 17,711	\$ 17,711	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,711
Shared Lithgow & SB	Reticulation	Mh2/12-SPS2152	1954	\$ 3,284	\$ 3,356	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,356
Shared Lithgow & SB	Reticulation	Mh2/13-Mh2/12	1954	\$ 10,871	\$ 11,110	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,110
Shared Lithgow & SB	Reticulation	Mh2/14-Mh2/13	1954	\$ 17,035	\$ 17,410	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,410
Shared Lithgow & SB	Reticulation	Mh2/15-Mh2/14	1954	\$ 2,615	\$ 2,673	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,673
Shared Lithgow & SB	Reticulation	Mh2/25-Mh2/15	1954	\$ 6,031	\$ 6,163	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,163
Shared Lithgow & SB	Reticulation	Mh2/26-Mh2/25	1954	\$ 9,015	\$ 9,213	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,213
Shared Lithgow & SB	Reticulation	Mh2/27-Mh2/26	1954	\$ 14,156	\$ 14,468	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,468
Shared Lithgow & SB	Rising Mains	Mh2/2a-Mh1/6	1954	\$ 14,523	\$ 14,843	\$ 14,843	\$14,843	\$0	\$0	\$0	\$0	\$0	\$0	\$14,843
Shared Lithgow & SB	Reticulation	Mh2/30-Mh2/27	1954	\$ 8,543	\$ 8,731	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,731
Shared Lithgow & SB	Reticulation	Mh2/39-Mh2/31	1954	\$ 10,341	\$ 10,569	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,569
Shared Lithgow & SB	Rising Mains	Mh2/4-Mh2/2a	1954	\$ 8,345	\$ 8,528	\$ 8,528	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,528
Shared Lithgow & SB	Reticulation	Mh2/40-Mh2/39	1954	\$ 12,210	\$ 12,479	\$ -	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,479
Shared Lithgow & SB	Rising Mains	Mh2/5-Mh2/4	1954	\$ 19,763	\$ 20,197	\$ 20,197	\$20,197	\$0	\$0	\$0	\$0	\$0	\$0	\$20,197

SB (South Bowenfels)

Table 1: Lithgow City Council Existing Sewerage Assets

Table 1: Lithgow City Council Existing Sewerage Assets															SB (South Bowenfels)				
Service Area	Asset Type	Asset Description	Year of Commissioning	Current Replacement Cost 2016/17 \$	Current Replacement Cost 2017/18 \$	Assets excluding reticulation	Assets excluding pre 1988	Lithgow	Portland	Wallerawang	South Bowenfels	Shared Lithgow & SB	Shared all	Assets Excluded					
Shared Lithgow & SB	Rising Mains	Mh2/6~Mh2/5	1954	\$ 19,543	\$ 19,973	\$ 19,973	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,973					
Shared Lithgow & SB	Rising Mains	Mh2/8~Mh2/7	1954	\$ 38,782	\$ 39,635	\$ 39,635	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,635					
Shared Lithgow & SB	Rising Mains	Mh2/9a~Mh2/8	1954	\$ 3,484	\$ 3,560	\$ 3,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,560					
Shared Lithgow & SB	Rising Mains	Mh3/1~Mh1/9a	1910	\$ 25,868	\$ 26,437	\$ 26,437	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,437					
Shared Lithgow & SB	Rising Mains	Mh3/10~Mh3/9a	1910	\$ 13,938	\$ 14,245	\$ 14,245	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,245					
Shared Lithgow & SB	Rising Mains	Mh3/11~Mh3/10	1910	\$ 21,486	\$ 21,959	\$ 21,959	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,959					
Shared Lithgow & SB	Rising Mains	Mh3/12~Mh3/11	1910	\$ 21,515	\$ 21,988	\$ 21,988	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,988					
Shared Lithgow & SB	Rising Mains	Mh3/13~Mh3/12	1910	\$ 26,652	\$ 27,238	\$ 27,238	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,238					
Shared Lithgow & SB	Rising Mains	Mh3/14~Mh3/13	1910	\$ 6,377	\$ 6,518	\$ 6,518	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,518					
Shared Lithgow & SB	Rising Mains	Mh3/15~Mh3/14	1910	\$ 19,635	\$ 20,067	\$ 20,067	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,067					
Shared Lithgow & SB	Rising Mains	Mh3/16~Mh3/15	1970	\$ 27,273	\$ 27,873	\$ 27,873	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,873					
Shared Lithgow & SB	Rising Mains	Mh3/17~Mh3/16	1970	\$ 25,617	\$ 26,181	\$ 26,181	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,181					
Shared Lithgow & SB	Rising Mains	Mh3/18~Mh3/17	1970	\$ 17,453	\$ 17,837	\$ 17,837	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,837					
Shared Lithgow & SB	Rising Mains	Mh3/19~Mh3/18	1970	\$ 16,205	\$ 16,561	\$ 16,561	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,561					
Shared Lithgow & SB	Rising Mains	Mh3/1A~Mh3/1	1910	\$ 9,223	\$ 9,426	\$ 9,426	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,426					
Shared Lithgow & SB	Rising Mains	Mh3/21~Mh3/20	1970	\$ 20,691	\$ 21,146	\$ 21,146	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,146					
Shared Lithgow & SB	Rising Mains	Mh3/22~Mh3/21	1970	\$ 25,796	\$ 26,363	\$ 26,363	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,363					
Shared Lithgow & SB	Rising Mains	Mh3/2a~Mh3/1A	1910	\$ 25,816	\$ 26,384	\$ 26,384	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,384					
Shared Lithgow & SB	Rising Mains	Mh3/3a~Mh3/2a	1910	\$ 16,795	\$ 17,165	\$ 17,165	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,165					
Shared Lithgow & SB	Rising Mains	Mh3/4~Mh3/3a	1910	\$ 25,876	\$ 26,445	\$ 26,445	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,445					
Shared Lithgow & SB	Rising Mains	Mh3/4A~Mh3/4	1910	\$ 26,022	\$ 26,595	\$ 26,595	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,595					
Shared Lithgow & SB	Rising Mains	Mh3/5~Mh3/4A	1910	\$ 7,291	\$ 7,451	\$ 7,451	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,451					
Shared Lithgow & SB	Rising Mains	Mh3/6~Mh3/5	1910	\$ 18,895	\$ 19,311	\$ 19,311	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,311					
Shared Lithgow & SB	Rising Mains	Mh3/7~Mh3/6	1910	\$ 21,966	\$ 22,449	\$ 22,449	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,449					
Shared Lithgow & SB	Rising Mains	Mh3/8~Mh3/7	1910	\$ 16,462	\$ 16,824	\$ 16,824	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,824					
Shared Lithgow & SB	Rising Mains	Mh3/9a~Mh3/8	1910	\$ 13,379	\$ 13,674	\$ 13,674	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,674					
Shared Lithgow & SB	Rising Mains	SPS1214~Mh2/221	1942	\$ 114,515	\$ 117,034	\$ 117,034	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$117,034					
Shared Lithgow & SB	Rising Mains	SPS1230~SPS2155	1900	\$ 36,070	\$ 36,864	\$ 36,864	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,864					
Shared Lithgow & SB	Rising Mains	SPS2152~Mh2/11	1954	\$ 8,627	\$ 8,817	\$ 8,817	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,817					
Shared Lithgow & SB	Rising Mains	SPS2155~TP_LITHGOW	1900	\$ 355,587	\$ 363,410	\$ 363,410	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$363,410					
Shared Lithgow & SB	Rising Mains	TP_LITHGOW~SPS1390	1900	\$ 21,790	\$ 22,269	\$ 22,269	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$22,269					
				\$ 107,413,427	\$ 109,776,522	\$ 73,005,301	\$ 37,178,141	\$ 2,767,793	\$ 336,851	\$ 9,344,001	\$ 2,842,182	\$ 21,679,163	\$ 208,151	\$ 72,598,381					

12345678910

Table 2: Lithgow City Council Sewerage Capital Works Program

All values are in year 2017/18 (\$)

Project	New Works	ILOS	Renewals	Project Total	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
Lithgow														
Lithgow STP			100%	2,900,000	0	2000000	150000	150000	100000	100000	100000	100000	100000	100000
				0	0	0	0	0	0	0	0	0	0	0
Portland														
Portland STP - Upgrade (\$10M grant)	40%	0%	60%	13,139,000	13139000	0	0	0	0	0	0	0	0	0
Wallerawang														
Wallerawang STP			100%	0	0	0	0	0	0	0	0	0	0	0
Shared all														
Mains Renewal			100%	2,250,000	0	250000	250000	250000	250000	250000	250000	250000	250000	250000
CCTV inspection of mains		40%	60%	75,000	75000	0	0	0	0	0	0	0	0	0
Smoke Testing		100%		75,000	75000	0	0	0	0	0	0	0	0	0
Pump Station Renewal			100%	3,400,000	300000	200000	0	2000000	150000	150000	150000	150000	150000	150000
Pump Station Pump Replacement Program			100%	0	0	0	0	0	0	0	0	0	0	0
Telemetry Upgrade			100%	600,000	0	0	0	0	100000	100000	100000	100000	100000	100000
Sewer Vent Replacement Program			100%	480,000	60000	60000	60000	60000	40000	40000	40000	40000	40000	40000
Land Acquisition	100%			200,000	50000	50000	50000	50000	0	0	0	0	0	0
Safety Equipment		50%	50%	100,000	25000	25000	25000	25000	0	0	0	0	0	0
South Bowenfels														
West Bowenfels Sewer upgrade	70%		30%	18,200,000	200000	6000000	4000000	4000000	4000000	0	0	0	0	0
				41,419,000	13,924,000	8,585,000	4,535,000	6,535,000	4,640,000	640,000	640,000	640,000	640,000	640,000

\$'000

	ILOS
New Works	
Renewals	
Total	

\$	155,000	117,500	12,500	12,500	0	0	0	0	0	0	0	0	0	0
\$	18,195,600	5,445,600	4,250,000	2,850,000	2,800,000	0	0	0	0	0	0	0	0	0
\$	23,068,400	8,360,900	4,322,500	1,672,500	3,672,500	640,000	640,000	640,000	640,000	640,000	640,000	640,000	640,000	640,000
\$	41,264,000	#####	\$ 8,572,500	\$ 4,522,500	\$ 6,522,500	\$ 4,640,000	\$ 640,000	\$ 640,000	\$ 640,000	\$ 640,000	\$ 640,000	\$ 640,000	\$ 640,000	\$ 640,000

Table 3: Lithgow City Council Sewerage Capital Charge Calculations

Year of Commissioning		Effective Year of commissioning	Capital Cost of existing assets (\$)	Capital Cost of renewals only (\$)	Capital Cost of new assets only (\$)	Percentage of capital works for renewals utilised by new ETs after 1995/96	Effective Capital Cost (\$)	Rate of Return (%)	PV Factor	PV of capital costs (2017/18\$)
Portland						27.2%				
Existing										
Assets commissioned in 1988	1988	1996					\$0	3%	1.00	\$0
Assets commissioned in 1989	1989	1996	\$0				\$0	3%	1.00	\$0
Assets commissioned in 1990	1990	1996	\$0				\$0	3%	1.00	\$0
Assets commissioned in 1991	1991	1996	\$0				\$0	3%	1.00	\$0
Assets commissioned in 1992	1992	1996	\$0				\$0	3%	1.00	\$0
Assets commissioned in 1993	1993	1996	\$0				\$0.00	3%	1.00	\$0
Assets commissioned in 1994	1994	1996	\$0				\$0	3%	1.00	\$0
Subtotal (Assets pre-1996)			\$ -				\$ -			\$ -
Assets commissioned in 1995	1995	1996					\$0	3%	1.00	\$0
Assets commissioned in 1996	1996	1996	\$0				\$0	5%	1.00	\$0
Assets commissioned in 1997	1997	1997	\$0				\$0	5%	0.95	\$0
Assets commissioned in 1998	1998	1998	\$0				\$0	5%	0.91	\$0
Assets commissioned in 1999	1999	1999	\$0				\$0	5%	0.86	\$0
Assets commissioned in 2000	2000	2000	\$0				\$0	5%	0.82	\$0
Assets commissioned in 2001	2001	2001	\$0				\$0	5%	0.78	\$0
Assets commissioned in 2002	2002	2002	\$336,851				\$91,719	5%	0.75	\$68,442
Assets commissioned in 2003	2003	2003	\$0				\$0	5%	0.71	\$0
Assets commissioned in 2004	2004	2004	\$0				\$0	5%	0.68	\$0
Assets commissioned in 2005	2005	2005	\$0				\$0	5%	0.64	\$0
Assets commissioned in 2006	2006	2006	\$0				\$0	5%	0.61	\$0
Assets commissioned in 2007	2007	2007	\$0				\$0	5%	0.58	\$0
Assets commissioned in 2008	2008	2008	\$0				\$0	5%	0.56	\$0
Assets commissioned in 2009	2009	2009	\$0				\$0	5%	0.53	\$0
Assets commissioned in 2010	2010	2010	\$0				\$0	5%	0.51	\$0
Assets commissioned in 2011	2011	2011	\$0				\$0	5%	0.48	\$0
Assets commissioned in 2012	2012	2012	\$0				\$0	5%	0.46	\$0
Assets commissioned in 2013	2013	2013	\$0				\$0	5%	0.44	\$0
Assets commissioned in 2014	2014	2014	\$0				\$0	5%	0.42	\$0
Assets commissioned in 2015	2015	2015	\$0				\$0	5%	0.40	\$0
Assets commissioned in 2016	2016	2016	\$0				\$0	5%	0.38	\$0
Assets commissioned in 2017	2017	2017	\$0				\$0	5%	0.36	\$0
Future			\$ 336,851				\$ 91,719			
Assets planned in 2017/18	2018	2018						5%	0.34	
Assets planned in 2018/19	2019	2019			\$5,255,600		\$3,577,515	5%	0.33	\$1,222,973
Assets planned in 2019/20	2020	2020	\$0		\$0		\$0	5%	0.31	\$0
Assets planned in 2020/21	2021	2021	\$0		\$0		\$0	5%	0.30	\$0
Assets planned in 2021/22	2022	2022	\$0		\$0		\$0	5%	0.28	\$0
Assets planned in 2022/23	2023	2023	\$0		\$0		\$0	5%	0.27	\$0
Assets planned in 2023/24	2024	2024	\$0		\$0		\$0	5%	0.26	\$0
Assets planned in 2024/25	2025	2025	\$0		\$0		\$0	5%	0.24	\$0
Assets planned in 2025/26	2026	2026	\$0		\$0		\$0	5%	0.23	\$0
Assets planned in 2026/27	2027	2027	\$0		\$0		\$0	5%	0.22	\$0
Assets planned in 2027/28	2028	2028	\$0		\$0		\$0	5%	0.21	\$0
Assets planned in 2028/29	2029	2029	\$0		\$0		\$0	5%	0.20	\$0
Assets planned in 2029/30	2030	2030	\$0		\$0		\$0	5%	0.19	\$0
Assets planned in 2030/31	2031	2031	\$0		\$0		\$0	5%	0.18	\$0
Assets planned in 2031/32	2032	2032	\$0		\$0		\$0	5%	0.17	\$0
Assets planned in 2032/33	2033	2033	\$0		\$0		\$0	5%	0.16	\$0
Assets planned in 2033/34	2034	2034	\$0		\$0		\$0	5%	0.16	\$0
Assets planned in 2034/35	2035	2035	\$0		\$0		\$0	5%	0.15	\$0
Assets planned in 2035/36	2036	2036	\$0		\$0		\$0	5%	0.14	\$0
Assets planned in 2036/37	2037	2037	\$0		\$0		\$0	5%	0.14	\$0
Assets planned in 2037/38	2038	2038	\$0		\$0		\$0	5%	0.13	\$0
Assets planned in 2038/39	2039	2039	\$0		\$0		\$0	5%	0.12	\$0
Assets planned in 2039/40	2040	2040	\$0		\$0		\$0	5%	0.12	\$0
Assets planned in 2040/41	2041	2041	\$0		\$0		\$0	5%	0.11	\$0
Assets planned in 2041/42	2042	2042	\$0		\$0		\$0	5%	0.11	\$0
Assets planned in 2042/43	2043	2043	\$0		\$0		\$0	5%	0.10	\$0
Assets planned in 2043/44	2044	2044	\$0		\$0		\$0	5%	0.10	\$0
Assets planned in 2044/45	2045	2045	\$0		\$0		\$0	5%	0.09	\$0
Assets planned in 2045/46	2046	2046	\$0		\$0		\$0	5%	0.09	\$0
Assets planned in 2046/47	2047	2047	\$0		\$0		\$0	5%	0.08	\$0
Subtotal (Assets post-1996)			\$ 7,883,400	\$ 5,255,600			\$ 3,577,515			\$ 1,291,415

Total ET	New ETs per year	PV of new ETs (@3%)	PV of new ETs (@5%)	Capital Charge per ET (2017/18\$)
Growth rate				
0.60%				
913				
918	6	6	6	6
924	6	6	6	6
929	6	6	6	6
935	6	5	5	5
941	6	5	5	5
946	6	5	5	5
952	6	5	5	5
958	6	5	5	5
964	6	5	5	4
969	6	5	5	4
975	6	5	5	4
981	6	5	4	4
987	6	4	4	4
993	6	4	3	3
999	6	4	3	3
1005	6	4	3	3
1011	6	4	3	3
1017	6	4	3	3
1023	6	4	3	3
1030	6	4	3	3
1036	6	4	3	3
1042	6	4	2	2
1048	6	3	2	2
1055	6	3	2	2
1061	6	3	2	2
1067	6	3	2	2
1074	6	3	2	2
1080	6	3	2	2
1087	6	3	2	2
1093	7	3	2	2
1100	7	3	2	2
1106	7	3	2	2
1113	7	3	2	2
1120	7	3	1	1
1126	7	3	1	1
1133	7	3	1	1
1140	7	2	1	1
1147	7	2	1	1
1154	7	2	1	1
1161	7	2	1	1
1168	7	2	1	1
1175	7	2	1	1
1182	7	2	1	1
1189	7	2	1	1
1196	7	2	1	1
1203	7	2	1	1
1210	7	2	1	1
1217	7	2	1	1
1225	7	2	1	1
1232	7	2	1	1
1240	7	2	1	1
1247	7	2	1	1
1254	7	2	1	1
1262	8	2	1	1
	207			
	344	174	124	\$ 10,408
TOTAL CAPITAL CHARGE PER ET (incl shared assets)				\$10,408
TOTAL CAPITAL CHARGE PER ET				\$11,024

1,222,973

68,442

Table 3: Lithgow City Council Sewerage Capital Charge Calculations

Year of Commissioning		Effective Year of commissioning	Capital Cost of existing assets (\$)	Capital Cost of renewals only (\$)	Capital Cost of new assets only (\$)	Percentage of capital works for renewals utilised by new ETs after 1995/96	Effective Capital Cost (\$)	Rate of Return (%)	PV Factor	PV of capital costs (2017/18\$)
Wallerawang						27.2%				
Existing										
Assets commissioned in 1988	1988									
Assets commissioned in 1989	1989	1986					\$0	3%	1.00	\$0
Assets commissioned in 1990	1990	1986					\$0	3%	1.00	\$0
Assets commissioned in 1991	1991	1986					\$0	3%	1.00	\$0
Assets commissioned in 1992	1992	1986					\$0	3%	1.00	\$0
Assets commissioned in 1993	1993	1986					\$0	3%	1.00	\$0
Assets commissioned in 1994	1994	1986					\$0	3%	1.00	\$0
Subtotal (Assets pre-1996)			\$ -				\$ -	3%		\$ -
Assets commissioned in 1995	1995	1996					\$0	3%	1.00	\$0
Assets commissioned in 1996	1996	1996					\$0.00	5%	1.00	\$0
Assets commissioned in 1997	1997	1997					\$0.00	5%	0.95	\$0
Assets commissioned in 1998	1998		\$336,851				\$91,718.55	5%	0.91	\$83,191
Assets commissioned in 1999	1999						\$0.00	5%	0.86	\$0
Assets commissioned in 2000	2000						\$0.00	5%	0.82	\$0
Assets commissioned in 2001	2001						\$0.00	5%	0.78	\$0
Assets commissioned in 2002	2002						\$0.00	5%	0.75	\$0
Assets commissioned in 2003	2003		\$336,851				\$91,718.55	5%	0.71	\$65,183
Assets commissioned in 2004	2004						\$0.00	5%	0.68	\$0
Assets commissioned in 2005	2005		\$642,388				\$174,910.83	5%	0.64	\$112,749
Assets commissioned in 2006	2006						\$0.00	5%	0.61	\$0
Assets commissioned in 2007	2007						\$0.00	5%	0.58	\$0
Assets commissioned in 2008	2008						\$0.00	5%	0.56	\$0
Assets commissioned in 2009	2009						\$0.00	5%	0.53	\$0
Assets commissioned in 2010	2010						\$0.00	5%	0.51	\$0
Assets commissioned in 2011	2011						\$0.00	5%	0.48	\$0
Assets commissioned in 2012	2012		\$8,027,910				\$2,185,856.37	5%	0.46	\$1,001,366
Assets commissioned in 2013	2013						\$0.00	5%	0.44	\$0
Assets commissioned in 2014	2014						\$0.00	5%	0.42	\$0
Assets commissioned in 2015	2015						\$0.00	5%	0.40	\$0
Assets commissioned in 2016	2016						\$0.00	5%	0.38	\$0
Assets commissioned in 2017	2017		\$ 9,344,001				\$ 2,544,204	5%	0.36	\$0
Future										
Assets planned in 2017/18	2018				\$0		\$0	5%	0.34	\$0
Assets planned in 2018/19	2019				\$0		\$0	5%	0.33	\$0
Assets planned in 2019/20	2020				\$0		\$0	5%	0.31	\$0
Assets planned in 2020/21	2021				\$0		\$0	5%	0.30	\$0
Assets planned in 2021/22	2022				\$0		\$0	5%	0.28	\$0
Assets planned in 2022/23	2023				\$0		\$0	5%	0.27	\$0
Assets planned in 2023/24	2024				\$0		\$0	5%	0.26	\$0
Assets planned in 2024/25	2025				\$0		\$0	5%	0.24	\$0
Assets planned in 2025/26	2026				\$0		\$0	5%	0.23	\$0
Assets planned in 2026/27	2027				\$0		\$0	5%	0.22	\$0
Assets planned in 2027/28	2028				\$0		\$0	5%	0.21	\$0
Assets planned in 2028/29	2029				\$0		\$0	5%	0.20	\$0
Assets planned in 2029/30	2030				\$0		\$0	5%	0.19	\$0
Assets planned in 2030/31	2031				\$0		\$0	5%	0.18	\$0
Assets planned in 2031/32	2032				\$0		\$0	5%	0.17	\$0
Assets planned in 2032/33	2033				\$0		\$0	5%	0.16	\$0
Assets planned in 2033/34	2034				\$0		\$0	5%	0.16	\$0
Assets planned in 2034/35	2035				\$0		\$0	5%	0.15	\$0
Assets planned in 2035/36	2036				\$0		\$0	5%	0.14	\$0
Assets planned in 2036/37	2037				\$0		\$0	5%	0.14	\$0
Assets planned in 2037/38	2038				\$0		\$0	5%	0.13	\$0
Assets planned in 2038/39	2039				\$0		\$0	5%	0.12	\$0
Assets planned in 2039/40	2040				\$0		\$0	5%	0.12	\$0
Assets planned in 2040/41	2041				\$0		\$0	5%	0.11	\$0
Assets planned in 2041/42	2042				\$0		\$0	5%	0.11	\$0
Assets planned in 2042/43	2043				\$0		\$0	5%	0.10	\$0
Assets planned in 2043/44	2044				\$0		\$0	5%	0.10	\$0
Assets planned in 2044/45	2045				\$0		\$0	5%	0.09	\$0
Assets planned in 2045/46	2046				\$0		\$0	5%	0.09	\$0
Assets planned in 2046/47	2047				\$0		\$0	5%	0.08	\$0
Subtotal (Assets post-1996)			\$ -		\$ -		\$ -			\$ 1,262,489

Total ET	New ETs per year	PV of new ETs (@3%)	PV of new ETs (@5%)	Capital Charge per ET (2017/18\$)
Growth rate				
0.60%				
552				
556	3.3	3.3	3.3	3.3
559	3.4	3.4	3.4	3.4
563	3.4	3.4	3.4	3.4
566	3.4	3.3	3.3	3.2
569	3.4	3.2	3.2	3.1
573	3.4	3.1	3.1	3.0
576	3.5	3.1	3.1	2.8
580	3.5	3.0	3.0	2.7
583	3.5	2.9	2.9	2.6
587	3.5	2.9	2.9	2.5
590	3.5	2.8	2.8	2.4
594	3.6	2.7	2.7	2.3
597	3.6	2.7	2.7	2.2
601	3.6	2.6	2.6	2.1
605	3.6	2.5	2.5	2.0
608	3.6	2.5	2.5	1.9
612	3.7	2.4	2.4	1.9
616	3.7	2.4	2.4	1.8
619	3.7	2.3	2.3	1.7
623	3.7	2.3	2.3	1.6
627	3.8	2.2	2.2	1.6
631	3.8	2.2	2.2	1.5
634	3.8	2.1	2.1	1.4
638	3.8	2.0	2.0	1.4
642	3.8	2.0	2.0	1.3
646	3.9	2.0	2.0	1.3
650	3.9	1.9	1.9	1.2
654	3.9	1.9	1.9	1.2
658	3.9	1.8	1.8	1.1
662	3.9	1.8	1.8	1.1
666	4.0	1.7	1.7	1.0
670	4.0	1.7	1.7	1.0
674	4.0	1.7	1.7	0.9
678	4.0	1.6	1.6	0.9
682	4.1	1.6	1.6	0.9
686	4.1	1.5	1.5	0.8
690	4.1	1.5	1.5	0.8
694	4.1	1.5	1.5	0.8
698	4.2	1.4	1.4	0.7
702	4.2	1.4	1.4	0.7
707	4.2	1.4	1.4	0.7
711	4.2	1.3	1.3	0.6
715	4.3	1.3	1.3	0.6
719	4.3	1.3	1.3	0.6
724	4.3	1.2	1.2	0.6
728	4.3	1.2	1.2	0.5
732	4.4	1.2	1.2	0.5
737	4.4	1.2	1.2	0.5
741	4.4	1.1	1.1	0.5
746	4.4	1.1	1.1	0.4
750	4.5	1.1	1.1	0.4
755	4.5	1.1	1.1	0.4
759	4.5	1.0	1.0	0.4
764	4.6	1.0	1.0	0.4
	125			
	208	105	75	\$ 16,813
TOTAL CAPITAL CHARGE PER ET (incl shared assets)				
\$ 16,813				
\$17,428				

Table 4: Lithgow City Council Sewerage Developer Charge Calculation

Weighted Average Capital Charge for each DSP area										CPI (Consumer Price Index), Sydney June 16 - June 17 2.20%			
Service area	Capital Charge per ET (2017/18\$)	% of highest	% of highest	DSP areas	Total number of new ETs in 30 years	PV of new ET	Proportion of PV of new ETs in each DSP area	Weighted Cap charge for each service area (\$/ET)	Weighted cap charge for each DSP area (\$/ET)	Reduction Amount (\$/ET)	Calculated Developer Charge (\$/ET) 2017/18	Calculated Developer Charge (\$/ET) 2018/19	Council Proposed Developer Charge (\$/ET) 2018/19
Wallerawang	\$ 17,428	100%			125	63	100%	\$ 17,428			\$ 14,308	\$ 14,622	\$ 9,622
South Bowenfels	\$ 17,028	98%			273	104	100%	\$ 17,028		\$ 3,121	\$ 13,907	\$ 14,213	\$ 14,213
Portland	\$ 11,024	65%	100%		207	137	100%	\$ 11,024			\$ 7,903	\$ 8,077	\$ 8,077
Lithgow	\$ 5,792		53%	100%	976	490	100%	\$ 5,792			\$ 2,671	\$ 2,730	\$ 2,730

794

Table 5: Lithgow City Council Sewerage Reduction Amount Calculation

Income per ET OMA per ET Net Income	Current estimated (\$/ET)	
	\$	852
	\$	587
	\$	265

	2016/17 Special Schedules
Total Charge Income	\$ 6,901,000
Total Eits (2017/18)	8,097
Income per ET (\$)	\$ 852
Total OMA Cost	\$ 4,755,000
OMA per ET (\$)	\$ 587

	Year	Total ETs	New ETs	PV Factor	PV of new ETs (@5%)	Cumulative new ETs	Net income from new ETs	PV of Net income from new Eits (@5%)	Reduction Amount (\$/ET)
	0 2017/18	8,097							
	1 2018/19	8,146	49	1.00	49	49	\$12,876	\$12,876	
	2 2019/20	8,195	49	0.95	47	97	\$25,829	\$24,599	
	3 2020/21	8,244	49	0.91	45	147	\$38,860	\$35,247	
	4 2021/22	8,294	49	0.86	43	196	\$51,969	\$44,893	
	5 2022/23	8,343	50	0.82	41	246	\$65,157	\$53,605	
	6 2023/24	8,393	50	0.78	39	296	\$78,424	\$61,447	
	7 2024/25	8,444	50	0.75	38	346	\$91,771	\$68,481	
	8 2025/26	8,494	51	0.71	36	397	\$105,197	\$74,762	
	9 2026/27	8,545	51	0.68	34	448	\$118,705	\$80,344	
	10 2027/28	8,597	51	0.64	33	499	\$132,293	\$85,277	
	11 2028/29	8,648	52	0.61	32	551	\$145,962	\$89,608	
	12 2029/30	8,700	52	0.58	30	603	\$159,714	\$93,382	
	13 2030/31	8,752	52	0.56	29	655	\$173,549	\$96,638	
	14 2031/32	8,805	53	0.53	28	707	\$187,466	\$99,417	
	15 2032/33	8,858	53	0.51	27	760	\$201,467	\$101,754	
	16 2033/34	8,911	53	0.48	26	813	\$215,551	\$103,684	
	17 2034/35	8,964	53	0.46	24	867	\$229,721	\$105,238	
	18 2035/36	9,018	54	0.44	23	921	\$243,975	\$106,446	
	19 2036/37	9,072	54	0.42	22	975	\$258,315	\$107,335	
	20 2037/38	9,127	54	0.40	22	1,029	\$272,741	\$107,933	
	21 2038/39	9,181	55	0.38	21	1,084	\$287,253	\$108,263	
	22 2039/40	9,236	55	0.36	20	1,139	\$301,853	\$108,348	
	23 2040/41	9,292	55	0.34	19	1,194	\$316,540	\$108,209	
	24 2041/42	9,348	56	0.33	18	1,250	\$331,315	\$107,867	
	25 2042/43	9,404	56	0.31	17	1,306	\$346,179	\$107,339	
	26 2043/44	9,460	56	0.30	17	1,363	\$361,132	\$106,643	
	27 2044/45	9,517	57	0.28	16	1,419	\$376,175	\$105,796	
	28 2045/46	9,574	57	0.27	15	1,477	\$391,308	\$104,811	
	29 2046/47	9,631	57	0.26	15	1,534	\$406,532	\$103,704	
	30 2047/48	9,689	58	0.24	14	1,592	\$421,847	\$102,486	
			838				\$ 2,616,432	\$ 3,121	

Table 6: Lithgow City Council Sewerage Cross Subsidy Calculation

Year	Total ETs	New ETs per year	Rate of Return				5%		
			Expected annual income from current developer charges (\$'000)	Expected annual income from developer charges (\$'000)	Expected annual income from proposed developer charges (\$'000)	Difference in income - (between calculated and proposed DC) (\$'000)	Current TRB (\$)	TRB difference if proposed DC is adopted	30 years TRB (\$) - Proposed DC and cross subsidy
2017/18	8097						878		878
2018/19	8146	49	105	296	277		878	2.4	880
2019/20	8195	49	106	298	279		878	2.4	880
2020/21	8244	49	106	300	280		878	2.4	880
2021/22	8294	49	107	302	282		878	2.4	880
2022/23	8343	50	107	304	284		878	2.4	880
2023/24	8393	50	108	305	286		878	2.4	880
2024/25	8444	50	109	307	287		878	2.4	880
2025/26	8494	51	109	309	289		878	2.4	880
2026/27	8545	51	110	311	291		878	2.4	880
2027/28	8597	51	111	313	292		878	2.4	880
2028/29	8648	52	111	315	294		878	2.4	880
2029/30	8700	52	112	317	296		878	2.4	880
2030/31	8752	52	113	318	298		878	2.4	880
2031/32	8805	53	113	320	300		878	2.4	880
2032/33	8858	53	114	322	301		878	2.4	880
2033/34	8911	53	115	324	303		878	2.4	880
2034/35	8964	53	115	326	305		878	2.4	880
2035/36	9018	54	116	328	307		878	2.4	880
2036/37	9072	54	117	330	309		878	2.4	880
2037/38	9127	54	118	332	310		878	2.4	880
2038/39	9181	55	118	334	312		878	2.4	880
2039/40	9236	55	119	336	314		878	2.4	880
2040/41	9292	55	120	338	316		878	2.4	880
2041/42	9348	56	120	340	318		878	2.4	880
2042/43	9404	56	121	342	320		878	2.4	880
2043/44	9460	56	122	344	322		878	2.4	880
2044/45	9517	57	123	346	324		878	2.4	880
2045/46	9574	57	123	348	326		878	2.4	880
2046/47	9631	57	124	350	328		878	2.4	880
2047/48	9689	58	125	353	330		878	2.4	880
PV of difference in developer charges income over 30 years @ 5% (\$'000)							\$ 332		

Table 6: Lithgow City Council Sewerage Cross Subs

Annual bill revenue from TRB if calculated DC is adopted (\$'000)	Annual bill revenue from TRB if proposed DC is adopted (\$'000)	Difference between expected annual bills revenue (\$'000)
7,152	7,171	19
7,195	7,214	19
7,238	7,258	19
7,282	7,301	20
7,325	7,345	20
7,369	7,389	20
7,414	7,434	20
7,458	7,478	20
7,503	7,523	20
7,548	7,568	20
7,593	7,614	20
7,639	7,659	21
7,685	7,705	21
7,731	7,751	21
7,777	7,798	21
7,824	7,845	21
7,871	7,892	21
7,918	7,939	21
7,965	7,987	21
8,013	8,035	22
8,061	8,083	22
8,110	8,131	22
8,158	8,180	22
8,207	8,229	22
8,256	8,279	22
8,306	8,328	22
8,356	8,378	22
8,406	8,429	23
8,456	8,479	23
8,507	8,530	23
PV of difference in annual bill revenue over 30 years @ 5% (\$'000)		\$ 332



APPENDIX D

OUTLINE OF LEGISLATION

Note: NSW has recently updated the Environmental Planning and Assessment Act. The new Act follows the passing of the Environmental Planning and Assessment Amendment Act 2017 in the NSW Parliament in November 2017. It commenced on 1 March 2018 with most of the changes coming into effect from this date.

Outline of Legislation

Local Government Act 1993

The power for local government councils to levy developer charges for water supply, sewerage and stormwater derives from section 64 of the Local Government Act 1993 by means of a cross-reference in that Act to the relevant provisions of the Water Management Act 2000.

Section 64 of the Local Government Act states that:

Division 5 of Part 2 of Chapter 6 of the Water Management Act 2000 applies to a council exercising function under this Division in the same way as it applies to a water supply authority exercising functions under that Act.

Environmental Planning and Assessment Act 1979

Prior to the introduction of the Local Government Act in 1993, councils used the provisions of section 94 of the Environmental Planning and Assessment Act 1979 to obtain developer contributions for water supply services. As part of the Local Government (Consequential Provisions) Act 1993, amendment was made to the Environmental Planning and Assessment Act so that section 94 no longer applied for water supply services.

However, Councils can levy developer charges for stormwater under either Local Government Act or Water Management Act.

Water Management Act 2000

Section 305 (1) of the Water Management Act states that:

- (1) A person may apply to a water supply authority for a certificate of compliance for development carried out, or proposed to be carried out, within the water supply authority's area.

Section 306 (2) and (3) of the Water Management Act states that:

- (2) as a pre-condition to granting a certificate of compliance for development, a water supply authority may, by notice in writing served on the applicant, require the applicant to do either or both of the following:
 - (a) to pay a specified amount to the Authority by way of contribution towards the cost of such water management works as are specified in the notice, being existing works or projected works, or both,
 - (b) To construct water management works to serve the development.
- (3) In calculating an amount for the purposes of subsection (2) (a):
 - (a) the value of existing water management works and the estimated cost of projected water management works may be taken into consideration, and
 - (b) the amount of any government subsidy or similar payment is not to be deducted from the relevant value or cost of the water management works, and
 - (c) Consideration is to be given to any guidelines issued for the time being for the purposes of this section by the Minister.

In 2011, the Minister for Primary Industries became responsible for non-metropolitan NSW town water services. The Minister is responsible for the issue of guidelines for water utilities on the calculation of water supply, sewerage and stormwater developer charges.

Note: Use of moneys raised from developer charges is discussed in section 2.7 on page 10 of the guidelines.

Local Government (Savings and Transitional) Regulation 1993

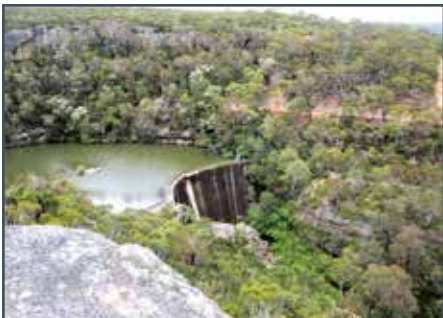
The Local Government (Savings and Transitional) Regulation 1993 covers the matter of developer contributions which had previously been obtained by councils under the Environmental Planning and Assessment Act as follows:

(9) Any monetary contribution held by a council immediately before the commencement of this Regulation, being a contribution arising from a condition:

(a) that was imposed under section 94 of the *Environmental Planning and Assessment Act 1979*; and

(b) that specifies that the contribution is to be applied towards providing specified water or sewerage services or towards providing water or sewerage services generally,

Is to be applied towards the construction of works within the meaning of Division 2 of Part 3 of the *Water Supply Authorities Act 1987*, or towards the repayment of money borrowed for the construction of such works, and is not to be applied towards any other purpose.



WaterOz is an Australian consultancy dedicated to serving the water industry in Australia.

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3. WATER SUPPLY

Policy 3.2

NON-COMPLIANCE WITH WATER RESTRICTIONS

Version 3

3. WATER SUPPLY

3.2 NON-COMPLIANCE WITH WATER RESTRICTIONS

OBJECTIVE

To determine Council's response to non-compliance with water restrictions.

POLICY

1. That in circumstances where water supply restrictions are imposed and there is non-compliance with such water supply restrictions, the following procedure shall be applied in each period of twelve (12) months commencing 1 July:
 - a. First offence – warning and information on the water restrictions is issued to the occupier.
 - b. Second offence – a penalty infringement notice is issued.
 - c. Third offence - water supply to premises to be restricted. Reconnection fee to be paid before restoration of normal water supply.
 - d. Fourth and subsequent offence - water supply to be restricted. Reconnection fee to be paid before restoration of normal water supply. Offenders to be prosecuted for misuse of water supply.
2. A reconnection fee as per the adopted Fees and Charges will be payable for restoration of normal water supply following restriction of water supply resulting from non-compliance with water restrictions and misuse of water supply. Normal water supply reconnection will be carried out only during normal working hours.
3. The General Manager is delegated to take all necessary action to institute prosecutions for offences for misuse of water supply pursuant to Section 637 of the Local Government Act, 1993.

Maintained by Department:	Operations	Approved by:	Council		
Reference:	Dataworks: Policy Register	Council Policy No:	3.2	Effective Date:	2006
Min No:	V1 - 06-349 V2 – 09-189 V3 - 14-161	Version No:	3	Reviewed Date:	Mar 2009 Jul 2013 April 2014
Attachments:					



3. WATER SUPPLY

Policy 3.3

DRINKING WATER QUALITY

Version 1

3. WATER SUPPLY

3.3 DRINKING WATER QUALITY

OBJECTIVES

Lithgow City Council is committed to managing its water supply effectively to provide a safe, quality product that consistently meets appropriate drinking water standards developed in accordance with the Australian Drinking Water Guidelines and other regulatory requirements. This policy identifies the measures that council will undertake to maintain drinking water quality.

POLICY

1. Lithgow City Council will:
- 1.1 manage water quality at all points, from the catchment or source through to treatment, storage and distribution;

1.2 use a risk-based approach in which potential threats to water quality are identified and balanced;

1.3 develop contingency and incident response processes to deal with any water quality issues identified;

1.4 ensure that employees and any contractors involved in the supply of drinking water understand their responsibility to implement the Drinking Water Management System;

1.5 routinely monitor the quality of drinking water; use effective reporting mechanisms to provide relevant and timely information; and promote confidence in the water supply and its management;

1.6 comply with the regulatory requirements of the Public Health Act 2010 (NSW) and associated Public Health Regulation 2012; and

1.7 continually improve our practices by assessing performance against criteria stated in the Drinking Water Management System.
2. Lithgow City Council will implement and maintain a Drinking Water Management System to effectively manage the risks to drinking water quality.
3. All managers and employees involved in the supply of drinking water are responsible for understanding, implementing, maintaining and continuously improving the Drinking Water Management System.

Maintained by Department:	Operations	Approved by:	Council		
Reference:	Policy Register	Council Policy No:	3.3	Effective Date:	27/6/2016
Min No:	V1 – 16-150	Version No:	1	Review Date:	Each term of Council



3. WATER SUPPLY

Policy 3.5

SEWER CONNECTIONS

Version 1

3. WATER SUPPLY

3.5 SEWER CONNECTIONS

OBJECTIVES

This policy outlines the standards required for connection to Lithgow City Council's Wastewater gravity reticulation system.

POLICY

1. General Provisions for Sewer Connections

1.1. Where a new sewer junction is required to be cut into an existing main, the applicant shall seek approval under Section 68 of the *Local Government Act 1993*. The work shall be carried out by Council following the completion of a Work at Owners Cost (WOC) application form. Costs to be charged at the rates published in Council's Fees and Charges in accordance with *Section 19 of the Local Government (General) Regulation 2005*. No work is to commence until the WOC application has been completed and submitted to Council.

1.2. Each property shall have a separate sewer connection, joint sewer services are prohibited under *Section 162 of the Local Government (General) Regulation 2005*

1.3. Properties that have been paying sewer access charges shall not be charged for a sewer junction cut-in installation if the property is adjacent to the sewer main.

1.4. Residential properties paying sewer access charges that require a gravity sewer main extension and are located within 30m of Council's sewer reticulation system and is technically possible to gravitate to that system will be provided a sewer connection.

1.5. Licensed plumbers with appropriate experience, insurances and WHS requirements in accordance with *Section 634 of the Local Government Act 1993* may install sewer cut-ins with Council approval and under full control and direction of Council's Water and Wastewater Development Officer. It is an offence under the Act and carries a maximum penalty of 100 Penalty Units

1.6. Where the sewer service connection is constructed in accordance with Council's Water and Sewer Design and Construction Specification, Council will maintain the service connection from the sewer main to the base of the boundary inspection shaft at the downstream collar of vertical shaft bend (Figure 1: Sewer Main Inside Property and Figure 2: Sewer Main Outside Property) or to the first collar downstream of the boundary trap for deep connections (Figure 3: Deep Sewer Connection).

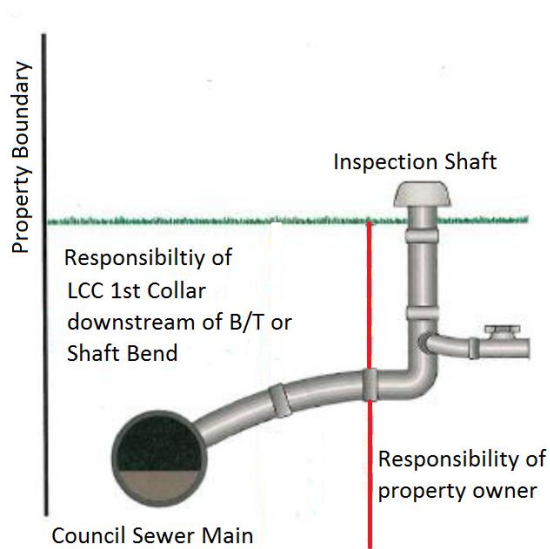


Figure 1: Sewer Main Inside Property

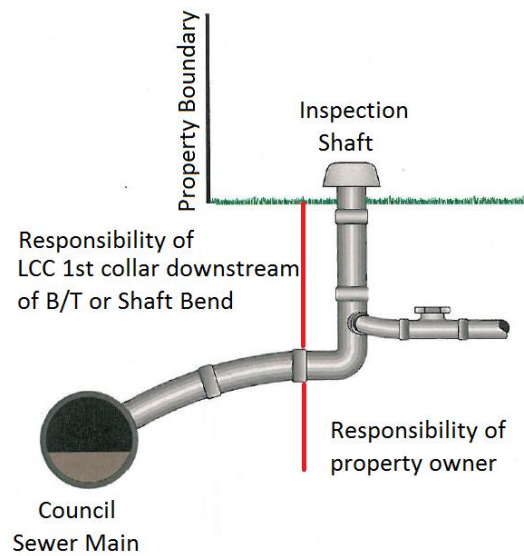


Figure 2: Sewer Main Outside Property

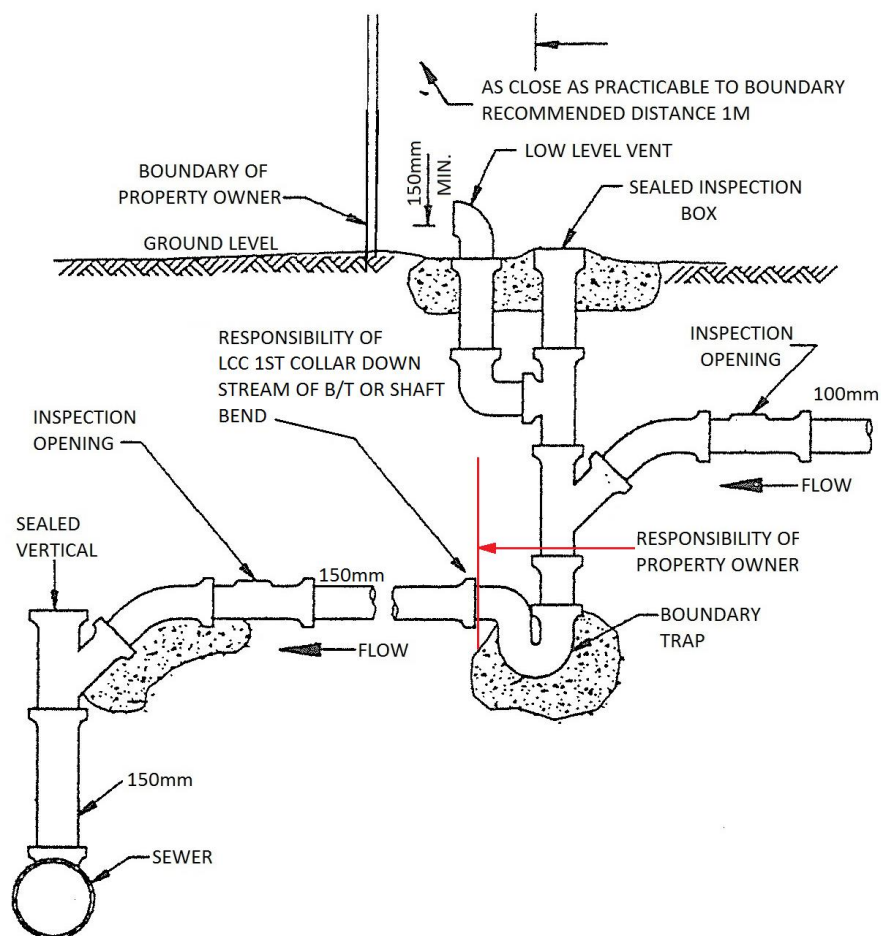


Figure 3: Deep Sewer Connection

1.7. Buried Vertical Risers (BVR) shall be used for connections at depths of 1.5m and greater.

1.8. Where the sewer service connection has not been constructed in accordance with Council's Water and Sewer Design and Construction Guidelines and Council's sewer is located within the property being served, Council will maintain to the collar of the branch junction with the main.

1.9. When properties have been identified with a common sewer line through a Development Application process that transverses another property then Council will provide where possible a sewer connection for that property at Council's cost. Connection of sanitary drainage to the point of connection will be at the owner's expense.

1.10. Where a 150mm vertical shaft has not been brought to ground level on vacant land or as part of a subdivision or any other connection to the sewer main as a point of connection, an inspection opening shall be installed directly upstream of the main junction branch prior to the vertical shaft constructed under sanitary drainage.

1.11. Prior to the connection to council sewer to pump raw sewage or effluent from a septic tank holding well, a section 68 application shall be submitted to Council. Applicants shall meet all requirements and conditions of 'Sewage Management Facilities' prescribed by the Local Government (General) Regulation 2005 and shall be of a type accredited by NSW Health. Package pump stations shall be approved only for residential domestic properties.

1.12. Pressurised sewerage systems connected to council gravity reticulation will only be permitted on a case by case determination by the Water and Wastewater Manager. Council does not accept Combined Pressure Systems for subdivisions.

1.13. New sewer connections servicing strata/community title developments shall be connected to Council's sewer main by a single individual property service pipe where practicable. (150mm Vertical Riser Point of Connection)

1.14. Each unit shall connect to a joint sanitary drainage line (owned and maintained by the community association or body corporate) via a separate, individually owned branch connection.

1.15. An inspection opening with BTS (bolted trap screw) raised to ground level is to be provided on the branch line at the connection point of each unit to the corporate common line.

1.16. The developer shall provide proposed sanitary drainage diagram to council prior to commencement of works.

1.17. New sewer connections servicing properties with commercial or industrial developments shall be linked to Council's sewer main by a single individual property service pipe where practicable.

1.18. In some cases a boundary trap may be required in industrial areas or when instructed by Council.

1.19. The occupant may require an approval to discharge liquid trade waste to Council's sewer and may be required to enter into a Liquid Trade Waste Service Agreement. Applicant is to provide proposed sanitary drainage diagram of installation for assessment with Economic Development & Environment Division and a Notice of Works for Plumbing and Drainage Works.

Maintained by Department:	Operations	Approved by:	Council		
Reference:	Dataworks: Policy Register	Council Policy No:		Effective Date:	
Min No:		Version No:		Reviewed Date:	
Attachments:	wnm				



3. WATER SUPPLY

Policy 3.6

FIRE SERVICE INSTALLATION

Version 1

3. WATER SUPPLY

3.6 FIRE SERVICE METERING

OBJECTIVE:

To define minimum acceptable standards concerning connections and metering of fire services. Fire services includes any services supplying water to sprinkler, hydrant or hose reel systems, either separately or in any combination.

POLICY:

1. Council has adopted the provisions of the Water Service Association of Australia's Fire Service Metering Code of Practice – WSA13-2013. Where this policy is silent the provisions of the Code will take precedence.
2. Council requires the installation of water meters on all new fire services.
3. Inline meters on dedicated fire services larger than 50mm are not to be used for billing purposes. The installation of meters is used to calculate Council's non-revenue water and can equally be used by owners to detect leaks and prevent waste of water.
4. On separate hydrant and fire service at non-residential properties, the device shall be installed close to where the service crosses the property boundary prior to any booster assembly. A hydraulic design is required for the following fire service assembly:
 - a. Stratum unit/Community development demand of 4 dwellings/units and greater; and
 - b. 32 mm assemblies or greater.

All designs are to be submitted by a competent person (Code of Practice 2.2.8) with a Certificate of Compliance.
5. Council's preference is the bypass metering arrangement in accordance with Section 4.3 of the Water Service Association of Australia's Fire Service Metering Code of Practice – WSA13-2013. Water that passes through the bypass meter will be used for billing purposes.
6. Prior to commencement of works to connect to Council's Water Reticulation, property owners must obtain approval issued under Section 68 –Part B of Local Government Act 1993 by completing a Water Service Connection Application Form. A person who fails to obtain an approval or who carries out an activity otherwise than in accordance with an approval is guilty of an offence under Section 626 & 627 of the Local Government Act 1993.
7. Existing fire services, where significant alterations or renovations are proposed that require a Section 68 Approval shall also be metered. Section 8 of the Water Service Association of Australia's Fire Service Metering Code of Practice – WSA13-2013 provides details on retrofitting meters to existing unmetered fire services.

8. Where water delivered to a fire sprinkler system in accordance with Australian Standards Automatic Fire Sprinkler Systems AS2118.1 or AS2118.6 is proposed to pass through a mechanical meter, a performance based solution document endorsed by a hydraulic engineer is to be submitted to Council's for approval. This document is not required for non-mechanical meters such as Magflow or other meters with full bore flow and negligible headloss.
9. Council will maintain a fire service connection from the water main to and including the water meter.
10. All properties within the Lithgow City Council Local Government Area connected to the reticulation system require a backflow prevention device in accordance with Council's Backflow Prevention – Containment Policy, Policy Number 3.4. **It should be noted that backflow prevention devices reduce pressure and shall be considered in the design process of fire services**
11. Council reserves the right to repair, maintain or replace a water meter used for billing purposes.
12. The meter is to be accessible for reading and removal or repair is unrestricted. Where meters are covered with unacceptable obstructions the owner will be requested to remove the offending obstruction at full cost. If such obstructions are not removed within 60 days, Council may remove the obstructions at the owners full cost

Maintained by Department:	Operations	Approved by:	Council		
Reference:	Dataworks: Policy Register	Council Policy No:	3.1	Effective Date:	2006
Min No:	V1 - 06-349 V2 – 09-189 V3 - 14-161	Version No:	3	Reviewed Date:	Apr 2009 Jul 2013 May 2014
Attachments:					

RECOMMENDED 2017/18 CARRYOVER / REVOTES

OPERATIONAL PROJECTS

Environment

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
OEH Fine - Farmers Creek Master Plan	400112	\$ 29,260	\$ 5,236	\$ 24,024	R	OEH Fine money to be used to the rehabilitation of native vegetation in Farmers Creek
State of Environment Reporting	400107	\$ 4,000	\$ -	\$ 4,000	R	To engage a consultant to develop a regional SoER for LCC with other Councils in our region. Significant internal reporting has improved organisational data capture to ensure this money is used for the best outcome.
Roadside Vegetation Management	500033	\$ -	\$ -	\$ 35,750	R	Use of grant income received in 2017/18
Sub-total				\$ 63,774		

Waste

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Waste Infrastructure Feasibility Study	500026	\$ 30,000	\$ 2,540	\$ 27,460	R	Project on-going into 2018/19 - revote required to complete project.
Sub-total				\$ 27,460		

Community & Culture

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Youth Opportunities Grant	600161	\$ 48,000	\$ 9,945	\$ 38,055	R	Grant funded
Sub-total				\$ 38,055		

Economic Development

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Lake Wallace Management Plan		\$ 50,000	\$ -	\$ 46,000	R	Transfer of funds from Bushfire Mapping project
Lithgow LGA Business & Industry Future Strategy	600116	\$ 50,000	\$ -	\$ 20,000	R	Transfer of project from Corporate Governance
Sub-total				\$ 66,000		

Strategic Planning

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Floodplain Risk Management Plan	400106	\$ 70,000	\$ -	\$ 20,000	R	The project will not commence until 1st quarter of 18/19 with target completion by the 4th quarter. Application to OEI for \$50K grant funding
Sub-total				\$ 20,000		

Tourism

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Implementation of the Destination Management Plan	600105	\$ 47,853	\$ -	\$ 20,000	R	Was held pending commencement of Economic Development Manager
Sub-total				\$ 20,000		

People & Services

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
WHS Capture Training Needs	700039	\$ 35,000	\$ -	\$ 17,500	R	Required for TechOne HRP implementation & licence costs - Employee Development / Talent Management
Sub-total				\$ 17,500		

Water and Wastewater

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Water Mains Renewal	200015	\$ 1,027,633	\$ 43,494	\$ 50,000	R	Carry forward for operational - meter replacement program
Sub-total				\$ 50,000		

Total Operational Carryover / Revotes \$ 302,789

RECOMMENDED 2017/18 CARRYOVER / REVOTES

CAPITAL PROJECTS

Environment

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Farmers Creek Precinct Master Plan Stage 2	400108	\$ 50,000	\$ 8,280	\$ 41,720	R		Project on-going into 2018/19 - revote required to complete project and match grant funding in R2 SCC grant
			Sub-total	\$ 41,720			

Waste

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Lithgow SWF Development	500031	\$ 200,000	\$ 65,553	\$ 134,447	R		This is a two year project and the funds and are required in 2018/19
Tarana Transfer	500020	\$ 116,928	\$ 85,520	\$ 31,408	R		This project has been delayed due to the delayed appointment of the Waste & Recycling Officer. A consultant will be engaged in 2017/18 to complete the work early in 2018-19 FY.
			Sub-total	\$ 165,855			

Community & Culture

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Adventure Playground	600101	\$ 455,862	\$ 83,858	\$ 308,521	R	\$260,104 grant balance \$48,417 Centennial Coal contribution	Multi-year project - \$1,161,139 budget for 2018/19 (funded from grants & internal loan)
Lithgow Tennis Club Improvements - Stronger Country Grant	600162	\$ 36,006	\$ -	\$ 36,006	R	Stronger Country Grant	Nil actuals 2017/18
Lithgow Basketball Court Improvements - Stronger Country	600163	\$ 74,315	\$ 13,888	\$ 60,427	R	Stronger Country Grant	\$254,698 2018/19 budget for basketball stadium (revenue / grant funded) -> c/o balance of commitment 2017/18 Stronger Country grant
			Sub-total	\$ 404,954			

Buildings

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Rydal Toilet Block	400038	\$ 90,000	\$ -	\$ 90,000	R	Building Reserve	Not commenced in 2017/18
Centrelink Lighting	400101	\$ 37,057	\$ 18,711	\$ 9,255	C	Building Reserve	Carryover of commitment
Building Program - Annual Allocation	400049	\$ 50,000	\$ 34,901	\$ 15,099	R	Building Reserve	Needed to finalise some extra work on the new toilet blocks
Endeavour Park Toilets	400037	\$ 6,000	\$ -	\$ 6,000	R		The toilets are constructed and operational. This is the remaining screen printing. Selection of images to complement the Adventure Playground project.
LINC Grease Trap Installation	400058	\$ 20,000	\$ -	\$ 20,000	R	Special Rate Variation	Site issues. Existing drainage may require modification which was not part of the project.
			Sub-total	\$ 140,354			

Information Technology

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
CCTV Security Cameras - Annual Allocation	600013	\$ 20,000	\$ 6,850	\$ 13,150	R		Quotes still need to be obtained (via VendorPanel) for the Showground CCTV upgrade.
TechnologyOne Asset Management Solution	600151	\$ 264,601	\$ 186,233	\$ 78,368	C		Carryover commitment
Sub-total				\$ 91,518			

Tourism

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
New Billboards	600079	\$ 10,000	\$ 1,291	\$ 3,000	C		Carryover commitment
Sub-total				\$ 3,000			

Operations

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Depot Improvements	100027	\$ 108,296	\$ 29,754	\$ 78,542	R		Carry forward for the implementation of the new barcoding system at the Lithgow Store. Carry forward remainder for construction of new storage shed at Lithgow Depot (commenced, order raised and materials ordered).
Lake Lyell Septic Upgrade	100263	\$ 50,000	\$ 10,396	\$ 39,604	R		\$10,000 spent on one septic tank. Unsure of remaining scope. To discuss with IFS. \$800K budget 18/19
Lake Wallace - Power Upgrade	100264	\$ 30,000	\$ -	\$ 30,000	R		For the baseball area, unsure of scope. Needs to be done in 18/19, essential work. To discuss with IFS
Wallerawang Skatepark Renewal	100284	\$ 100,000	\$ 10,916	\$ 89,084	R		Insufficient funds, proposed to carry forward to contribute to future grant funding applications.
Portland Skatepark Renewal	100285	\$ 100,000	\$ 10,035	\$ 89,965	R		Insufficient funds, proposed to carry forward to contribute to future grant funding applications.
Lithgow CBD Revitalisation	100007	\$ 2,650,419	\$ 2,601,402	\$ 49,017	R		Multi-year project
Urban Resealing	100166	\$ 200,000	\$ -	\$ 200,000	R		Budget comprises two projects - Tank Street and Bridge Street. Tank Street is complete under PJ100343 at a cost of \$130,043. Application made to offset some cost with R2R funding. Bridge Street not yet complete as it is awaiting water main reconstruction agreed to by W&WW at the start of financial year.
Drainage Improvements Capital - Main St Lithgow	100303	\$ 50,000	\$ 15,059	\$ 34,941	R		As a result of the extended investigation, design, approvals and construction process, this is a two-year project. Additional funding has been allocated to this work in the 2018/19 Draft Operational Plan. \$138,904 2018/19 budget
Footpath Construction Capital - Main St Footpath	100317	\$ 156,783	\$ -	\$ 156,783	R		To be used to leverage future grant funding opportunities for additional stages of the Lithgow CBD Revitalisation. \$300,952 2018/19 budget
ILP - Lane Improvements - Falnash/Ilford Lane Portland	100322	\$ 19,000	\$ 10,912	\$ 550	C	Special Rate Variation	Carryover commitment
Roads to Recovery - Browns Gap Road Lithgow 2017/18	100340	\$ 176,706	\$ 124,078	\$ 37,238	C	Roads to Recovery grant	Project to commence May 2018. Contractors appointed.
ILP - Valley Drive, Lithgow	100394	\$ 48,909	\$ 11,028	\$ 37,882	R	Special Rate Variation	Revote approved - transfer to 12 Kirkley St Lithgow
Gravel Roads - Palmers Oakey Road	100286	\$ 520,000	\$ 103	\$ 519,897	R		Extensive surveys of the road carriageway have been undertaken and plans are currently being drawn for the reconstruction. Construction works will commence in 2018/19.
Sub-total				\$ 1,363,503			

Aquatics

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Aquatic Centre - Stage 4	100024	\$ 194,948	\$ 47,209	\$ 110,000	R	Loan	
Aquatic Centre - Improvements	100416	\$ 40,000	\$ 24,593	\$ 2,088	C		Carryover commitment
Sub-total				\$ 112,088			

LED Streetlighting Project

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
LED Streetlighting		\$ 405,280	\$ -	\$ 405,280	R	Unexpended Aquatics Loan	Project commenced 2018/19
Sub-total				\$ 405,280			

Water and Wastewater

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Chlorinator Renewal	200002	\$ 89,587	\$ 2,645	\$ 86,942	R		
Water Mains Renewal	200015	\$ 1,027,633	\$ 142,597	\$ 450,000	R		\$500K 2018/19 budget, 1 Project to carry forward
Water Loss Program	200011	\$ 207,756	\$ 70,303	\$ 137,453	C		Commitment for metered standpipes
Dam Safety Works	200003	\$ 414,883	\$ 171,635	\$ 243,248	R		
Reservoirs	200009	\$ 1,450,527	\$ 71,778	\$ 1,378,749	R		\$1,518,393 budget for 2018/19 - funded from loan
Pumping Station Renewal	200008	\$ 108,543	\$ 5,596	\$ 102,947	R		\$50K budget for 2018/19
Cullen Bullen Sewer Upgrade	300034	\$ 800,000	\$ 210	\$ 799,790	R		\$4M budget for 2018/19 - funded from loan & grant
Sewer Mains Renewal	300004	\$ 591,213	\$ 442,749	\$ 148,464	R		\$250K 2018/19 budget, carry forward to 18/19
Sewer Vent Replacement	300009	\$ 114,150	\$ 52,075	\$ 60,000	R		\$60K 2018/19 budget
Smoke Tester	300012	\$ 191,807	\$ 57,895	\$ 133,912	R		carry forward for re-tests
Portland STP Upgrade	300014	\$ 7,456,965	\$ 2,220,071	\$ 2,253,744	R		17/18 budget clarified \$1M budget for 2018/19 Funded from loan & grant
Telemetry Upgrade	300011	\$ 585,340	\$ 470,843	\$ 114,497	R		
Lithgow Sewerage Treatment Plant	300026	\$ 379,057	\$ 66,350	\$ 312,707	R		\$1M budget for 2018/19 - funded from loan & grant
Water Telemetry Upgrade	200001	\$ 416,299	\$ 318,462	\$ 97,837	R		
Oakey Park WTP	200012	\$ 255,390	\$ 344	\$ 255,046	R		\$200K 2018/19 budget
WTP Scada System	200035	\$ 268,578	\$ 55,749	\$ 212,829	R		\$2M 2018/19 budget, carry forward request
Sewer Pump Station Upgrade	300008	\$ 435,971	\$ 158,229	\$ 277,742	R		\$200K 2018/19 budget
West Bowenfels Sewer Delivery Area	300039	\$ 200,000	\$ 35,044	\$ 164,956	R		\$6,018.393 2018/19 budget
Sub-total				\$ 7,230,863			

Total Capital Carryover / Revotes \$ 9,959,135

General Manager

Lithgow City Council

Mr. Graham Faulkner

Mort Street Lithgow 2790

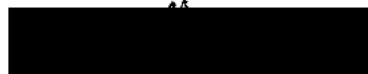
30th May, 2018

Dear Sir,

As a Charter member of the former Portland/Wallerawang Rotary Club. It has come to my attention that the Rotary Park established by the late Jack Curran on behalf of Rotary on the left hand side on the Portland Road entrance to Portland is to be given a plaque on behalf of the late Ron Bidwell OAM, PHF

I suggest that the following name be given " The Ron Bidwell OAM Rotary Park" , thus continuing the Rotary name and the name of Ron Bidwell in memory of all the work he has done at the park, after the passing of the late Rotarian Jack Curran PHF.

Sincerely

A black rectangular box redacting the signature of Alan Mayne.

Alan Mayne PHF

Mr Grahame Faulkner
General Manager
Lithgow City Council
5/6/18

08/06/2018
08/06/2018
08/06/2018
Years

This letter is to inform you that, as a foundation member of the
Portland/Wallerawang Rotary Club, I am happy to have the Rotary Park at
Portland re-named as The Ron Bidwell OAM Rotary Park.

Regards


Peter Hayman


Portland 2847

Re Naming ROTARY PARK PORTLAND to:-

RON Bidwell OAM ROTARY PARK.

A Blackman

[REDACTED]

Pat Wilkinson

[REDACTED]

Nicole Anderson

[REDACTED]

SUSAN HUGHES

[REDACTED]

Tracey Isaacson

[REDACTED]

Nicole Neale

[REDACTED]

Karen Bray

[REDACTED]

JASON ANDERSON

[REDACTED]

Heather Field

JANNEANE BANKS

Melissa Miles

Jessica Miles

Lynette Vidler

Denise Keeley

E. Winneil

Det Flynn

[REDACTED]

Ruby Goldspink

Nev Goldspink.

Penny Weekes

MARK MULDOON

ALMA BRACKENRIG

RON Bidwell - Naming of
Rotary PARK To RON Bidwell OAL
ROTARY PARK

Paula Neuke

M. Neuke

MISS & MRS

W. L. Haeber

C. J. Mesorley

H. DILWORTH

E. Millies

B. Millies

V. Peggoff

W. L. Haeber

Zvon. Krasic

Olase

Deidre Cook

J. J. Geller

MAX Dehaan
Helen Dehaan } asked to be
put on
submission
[redacted] was unable to sign petition.

Lithgow City Council

Asset Management

Prepared by: Micromex Research

Date: August 2018



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The information contained herein is believed to be reliable and accurate, however, no guarantee is given as to its accuracy and reliability, and no responsibility or liability for any information, opinions or commentary contained herein, or for any consequences of its use, will be accepted by Micromex Research, or by any person involved in the preparation of this report

Background



Methodology & Sample

Background

Lithgow City Council wished to conduct community consultation in order to identify and inform their long-term management/resourcing strategies for the assets of the LGA.

Research Objectives

Specifically the research quantitatively explored:

- Relative priority and satisfaction of key community assets.
- The level of investment residents believe should be dedicated to different community assets, both before and after receiving an information pack.
- Understanding support for Council's funding position in regards to key asset areas.
- Identifying any community endorsed revenue options for Council to explore in order to address funding requirements.

Data Collection

Micromex Research, together with Lithgow City Council, developed the questionnaire.

Research Design

This study consisted of a three-stage methodology:

- Stage 1: Initial recruitment of 631 Lithgow City residents selected by means of a computer based random selection process using SamplePages, collection of several 'pre' measures.
- Stage 2: Mail-out by Council of an information pack explaining the various asset management options.
- Stage 3: Recontact telephone interviews with 401 of the initial 631, collection of numerous 'post' measures.



Methodology & Sample

Data Collection and Sampling

Participants were recruited to take part in the survey via telephone interviews between the 29th of June and the 5th July 2018.

The call-back interview was conducted between the 16th and the 24th July 2018.

- A sample size of 631 provides a maximum sampling error of plus or minus 3.9% at 95% confidence.
- A sample size of 401 provides a maximum sampling error of plus or minus 4.9% at 95% confidence.

For the call-back survey the greatest margin of error is 4.9%. This means for example, that an answer 'yes' of 50% to a question could vary from 45% to 55%. As the raw data has been weighted to reflect the real community profile of Lithgow City Council, the outcomes reported here reflect an 'effective sample size'; that is, the weighted data provides outcomes with the same level of confidence as unweighted data of a different sample size. In some cases this effective sample size may be smaller than the true number of surveys conducted.

Interviewing

Interviewing was conducted in two phases. During the recruitment phase, residents were screened for eligibility and their details were taken in order to post the information pack. The recontact phase comprised the remainder of the survey questions, with residents responding to the information pack they had received. Telephone interviewing was conducted in accordance with the AMSRS Code of Professional Behaviour.

Data Analysis

The data within this report was analysed using Q Professional.

Percentages

All percentages are calculated to the nearest whole number and therefore the total may not exactly equal 100%.



Summary



Summary

The 4 key take outs from this research are:

1. All assets are viewed as priorities by residents, with Council having the opportunity to increase satisfaction with service delivery by addressing any issues/concerns with community assets.
2. There are high levels of support for Council to increase investment in order to achieve better outcomes in regards to the quality of assets.
3. Half of residents already accept that they need to pay more, either indirectly via rates or directly via service fees and charges, in order for Council to have the required funding to increase investment in community assets.
4. The consultation process was very positively received by the community, significantly improving overall satisfaction with Council.

Next Steps

- Further explore the different funding options available.
- Council to demonstrate that it has increased organisational efficiencies in order to minimise costs and ensure that rates are being utilised to their maximum potential.
- Further consult with the community about the different funding concepts devised by Council and gauge the expectations and opinions of residents about what should be achieved.



Key Findings



Dashboard of Key Findings

Top Priorities



- Local roads – urban sealed



- Water network



- Local Roads – rural sealed



- Footpaths

Satisfaction

Top



- Sewerage network



- Community buildings



- Bridges



- Playgrounds and parks

Bottom



- Local roads – urban sealed



- Local roads – rural sealed



- Footpaths



- Rural roads - unsealed

Dashboard of Key Findings

Top 'More' Investment

Pre-info pack



- Local roads – urban sealed



- Local roads – rural sealed



- Footpaths



- Water network

Post-info pack



- Stormwater drainage



- Sealed local roads (both urban and rural)



- Rural Roads – unsealed



- Footpaths

Performance/Consultation



Overall satisfaction with the performance of Council (pre-info pack): **66%** at least somewhat satisfied



Satisfaction with the quality of community assets: **80%** at least somewhat satisfied



Overall satisfaction with the performance of Council (post-info pack): **76%** at least somewhat satisfied



Satisfaction with the community consultation: **91%** at least somewhat satisfied

Asset Management - Priority Mapping

(Priority, Satisfaction and Investment)

The following slide is a 3 dimensional mapping of the 'position' of the 10 asset areas that residents were asked to rate as a priority, their satisfaction with these areas, and the level of investment they feel should be applied. The inputs in the map use the data from the recruitment survey for priority and satisfaction, but the recontact survey for investment.

Priority is mapped on the vertical axis, and satisfaction is mapped on the horizontal axis. The size of the bubble indicates the level of investment that residents would like spent in each area. This investment mean is also used to colour code the measures into three investment groups:

- 'Gold' investment (significantly above the average required investment)
- 'Silver' investment (within standard error of the average required investment)
- 'Bronze' investment (significantly below the average required investment)

Summary

All assets are priorities, however from a relative perspective 'sealed local roads', both urban and rural, are viewed by residents as the highest priority areas. They are the council assets with the lowest levels of satisfaction and after reading the asset information pack, are perceived as two of the three assets requiring the largest increase in investment.

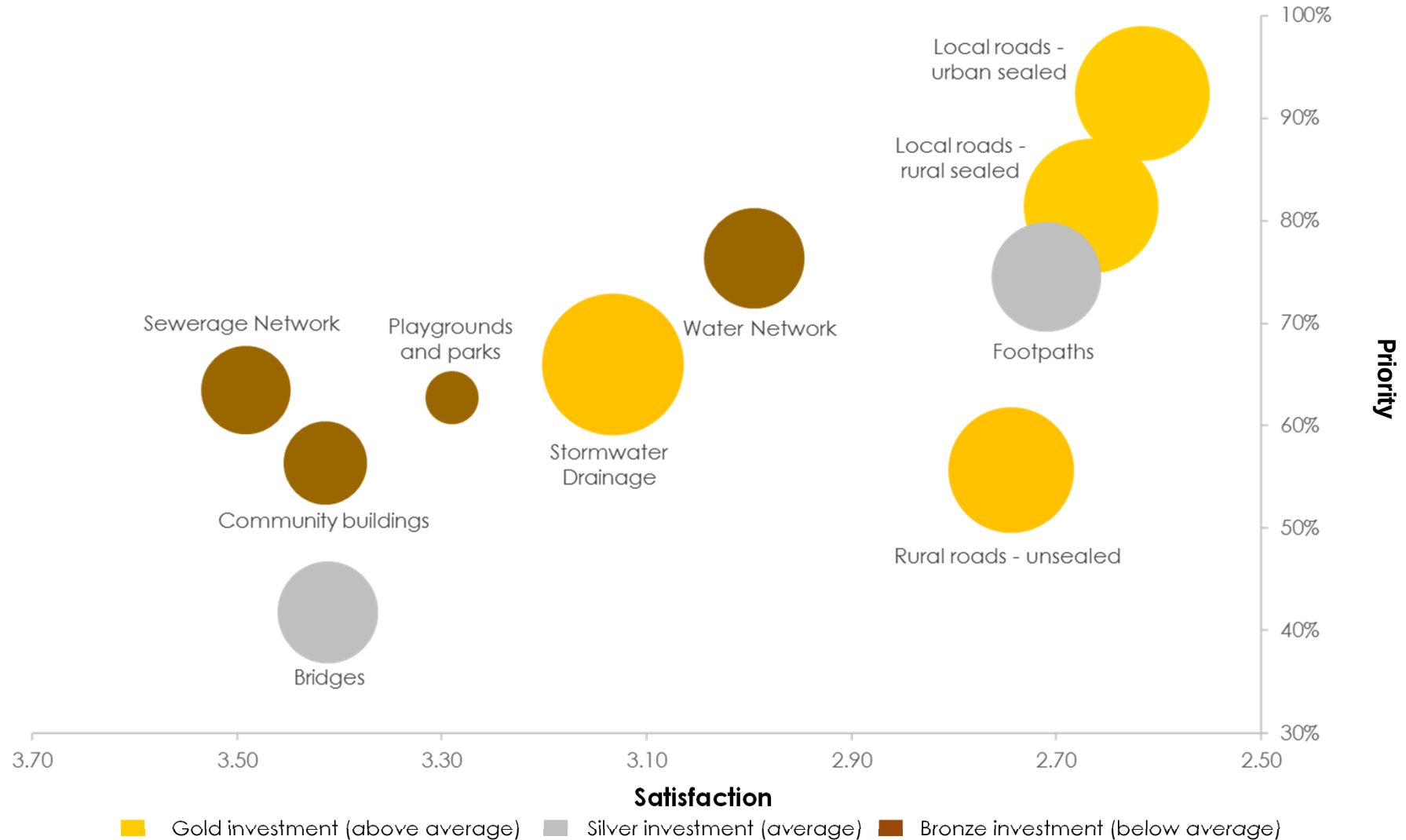
'Stormwater drainage' is a council asset considered to be a mid-range priority and is currently providing moderate levels of satisfaction, however, after viewing the asset pack residents rated it as the asset requiring the greatest increase in investment.

The other mapped assets are providing relatively stronger levels of satisfaction, however all are seen to need some increase in council investment, even those with the lowest relative level of priority.



There is clear community support for Council to increase investment across all the asset classes.

Priority, Satisfaction and Investment

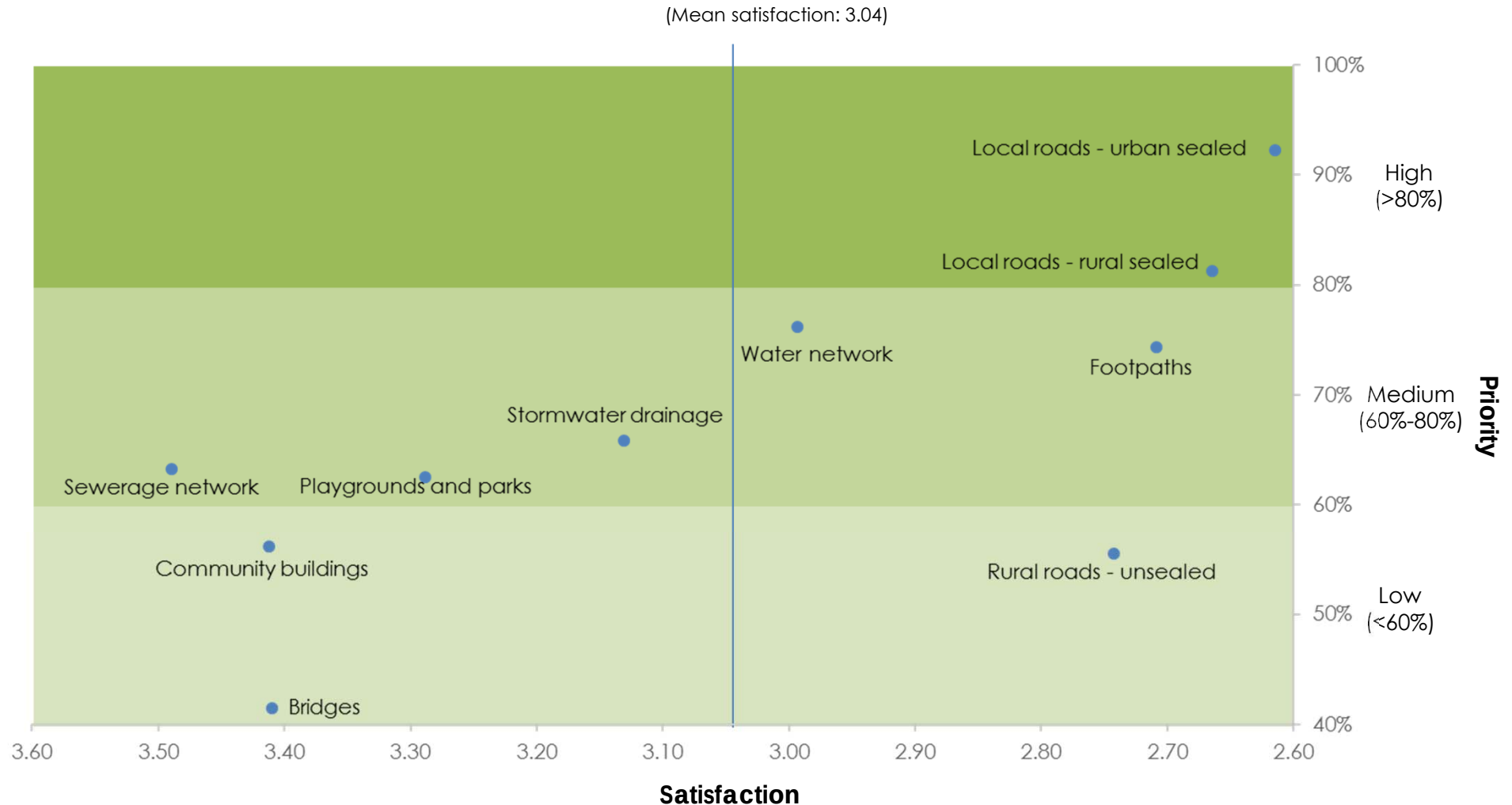


Base: Priority/satisfaction N = 613-631, Investment: N=401

Local roads, both 'urban sealed' and 'rural sealed' are the assets that residents consider to be of the highest priority, and the assets that received the lowest satisfaction ratings overall. The areas that residents would like investment to be increased in the most are 'local roads- urban sealed', 'local roads- rural sealed', 'stormwater drainage' and 'rural roads - unsealed'.

Priority vs Satisfaction

Q1. (Recruitment) Thinking of the following types of council asset for each of these could you please indicate which of the following assets are a priority for you, and how satisfied you are with the performance of that asset?



This chart illustrates priority against stated satisfaction for each council asset, with a mean satisfaction rating line (3.04) and priorities sectioned into low, medium and high. Local roads, both 'urban sealed' and 'rural sealed' are both viewed as 'high priority' areas and fall below the mean satisfaction rating.

Summary Of Key Outcomes

	Recruitment Survey			Recontact Survey
	Priority	Satisfaction	Investment*	Investment*
Local roads - urban sealed	92%	2.62	0.73	0.71
Local roads - rural sealed	81%	2.67	0.69	0.71
Water network	76%	2.99	0.55	0.40▼
Footpaths	75%	2.71	0.59	0.47▼
Stormwater drainage	66%	3.13	0.44	0.78▲
Playgrounds and parks	63%	3.29	0.39	0.11▼
Sewerage network	63%	3.49	0.30	0.31
Community buildings	56%	3.41	0.29	0.27
Rural roads - unsealed	56%	2.74	0.49	0.62▲
Bridges	42%	3.41	0.22	0.40▲

Base: Recruit: N=631, Recontact N=401

▲▼ = a significant increase/decrease in investment (compared to investment in the recruitment survey)

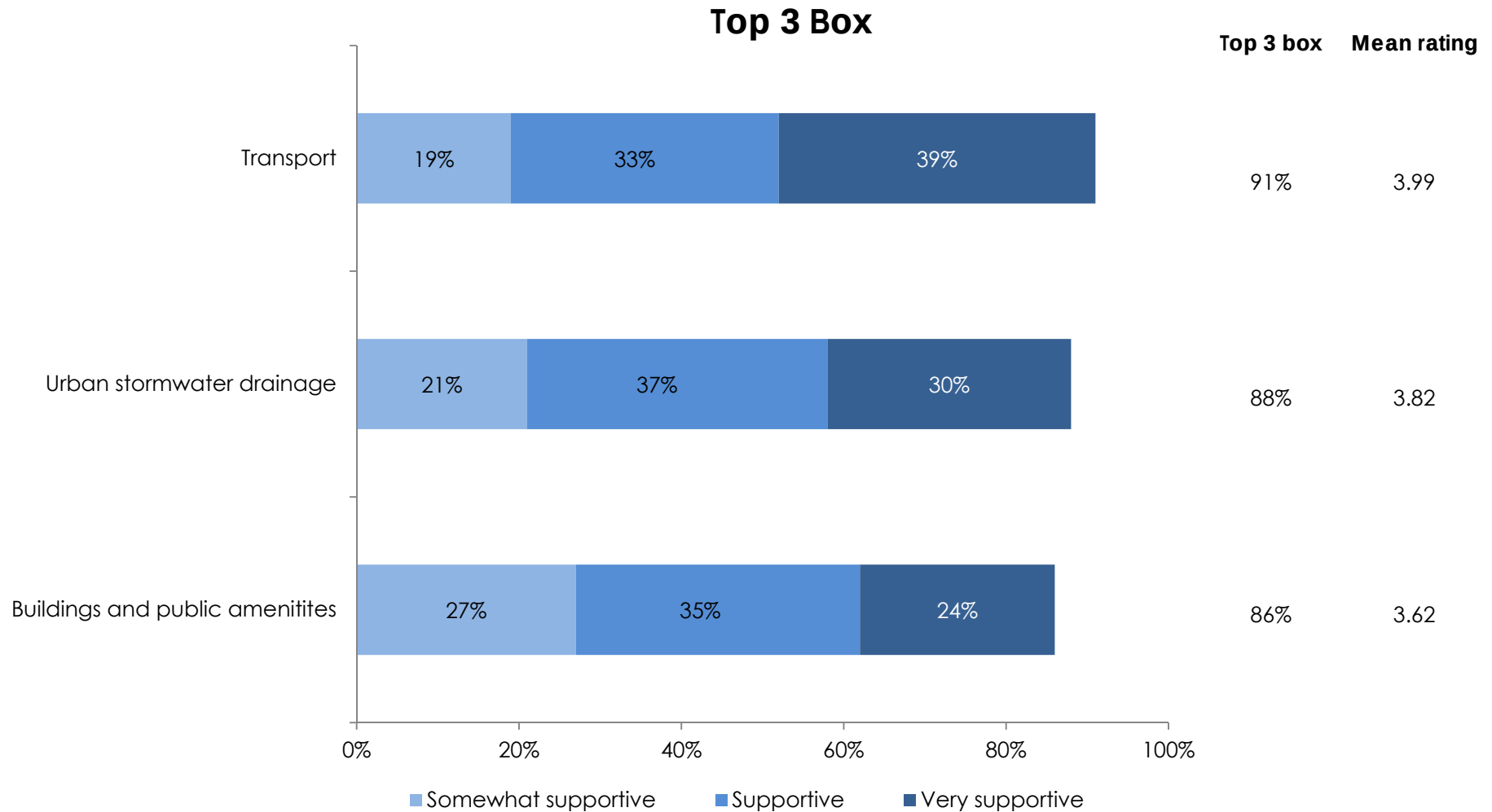
Scale: -1 = less, 1 = more. *if the investment score is positive, it indicates more support for increased spending than decreased spending

Note: investment in 'public toilets' was not included in the information pack/recontact survey

The level of investment that residents believe Council should be dedicating to 6 of the 10 community assets significantly differed after reading the information pack. Residents were significantly more likely to state that there should be more investment in the recontact survey for 'stormwater drainage', 'rural roads – unsealed' and 'bridges', but significantly less likely to state there should be more investment in the 'water network', 'footpaths' and 'playgrounds and parks'.

Summary of Expenditure Prioritising

Q4. (Recontact) How supportive are you of this level of additional investment in:



Base: N = 401

Scale: 1 = not at all supportive, 5 = very supportive

Overall residents are supportive of investment increasing for all 3 types of services/facilities, though support was highest for 'transport', with 91% of residents being at least 'somewhat supportive'.

Detailed Findings

Section 1:

Council's Assets and Funding Levels



Satisfaction with the Quality of Community Assets

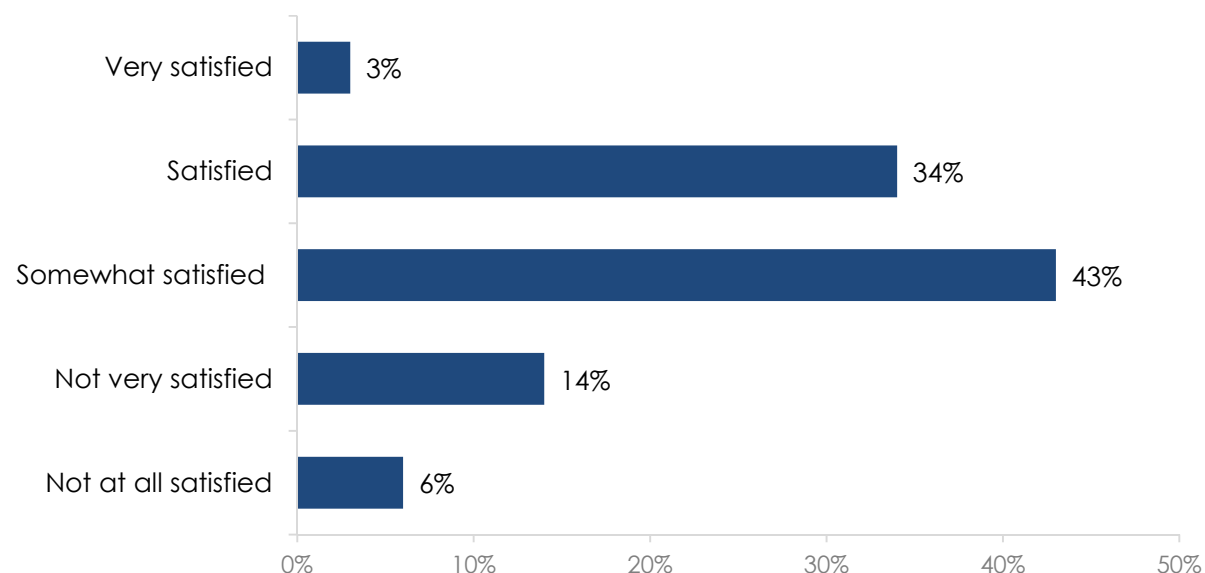
Thinking generally about community assets, which include roads, footpaths, bridges, drainage, parks, public buildings, etc.

Q2. (Recontact) Overall, how satisfied are you with the quality of community assets currently provided by Council?

	Overall	Male	Female	18-34	35-49	50-64	65+
Mean ratings	3.15	3.12	3.19	3.01	3.27	3.17	3.16

	Ratepayer	Non-ratepayer	Rural North	Rural South	Lithgow	Wallerawang	Portland
Mean ratings	3.14	3.20	3.15	3.29	3.28▲	2.90	2.85▼

▲ ▼ = significantly higher/lower by group



Base: N = 401

Scale: 1 = not at all satisfied, 5 = very satisfied

80% of residents are at least 'somewhat satisfied' with the quality of community assets currently provided by Council. Residents within the Lithgow Planning Precinct were significantly more likely to state that they are satisfied, whilst those that live within Portland were significantly less likely.

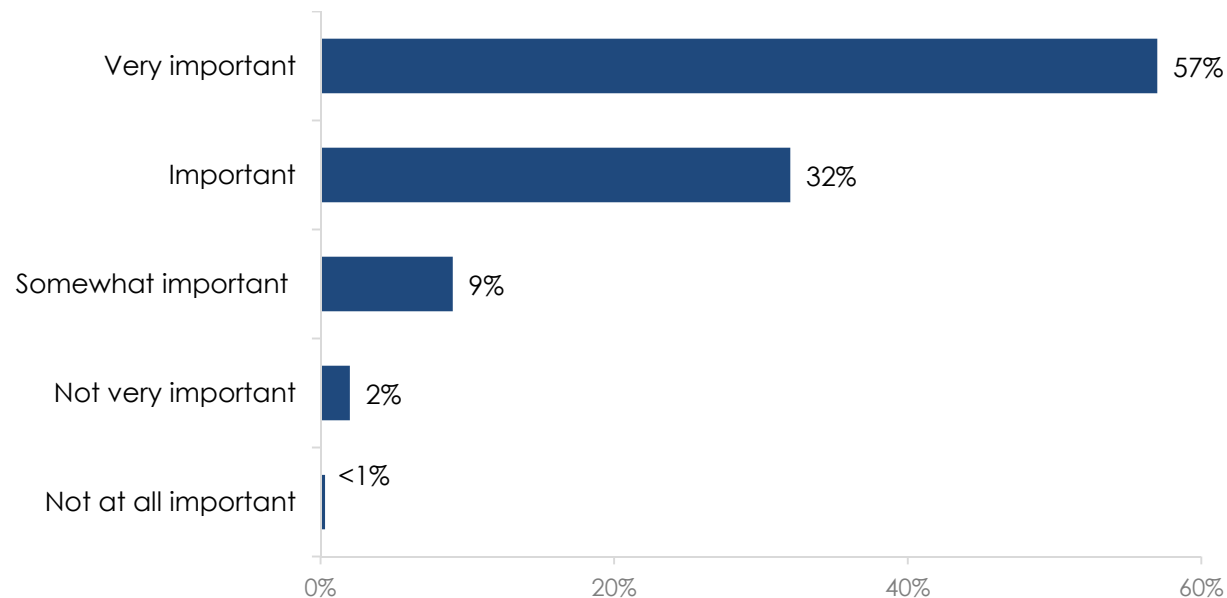
Importance of Maintaining and Enhancing Infrastructure

Q6. (Recontact) How important do you believe it is for Council to implement plans and strategies that will maintain and enhance infrastructure and facilities for Lithgow LGA?

	Overall	Male	Female	18-34	35-49	50-64	65+
Mean ratings	4.43	4.37	4.48	4.54	4.46	4.51	4.23▼

	Ratepayer	Non-ratepayer	Rural North	Rural South	Lithgow	Wallerawang	Portland
Mean ratings	4.41	4.51	4.50	4.31	4.46	4.32	4.46

▲ ▼ = significantly higher/lower by group



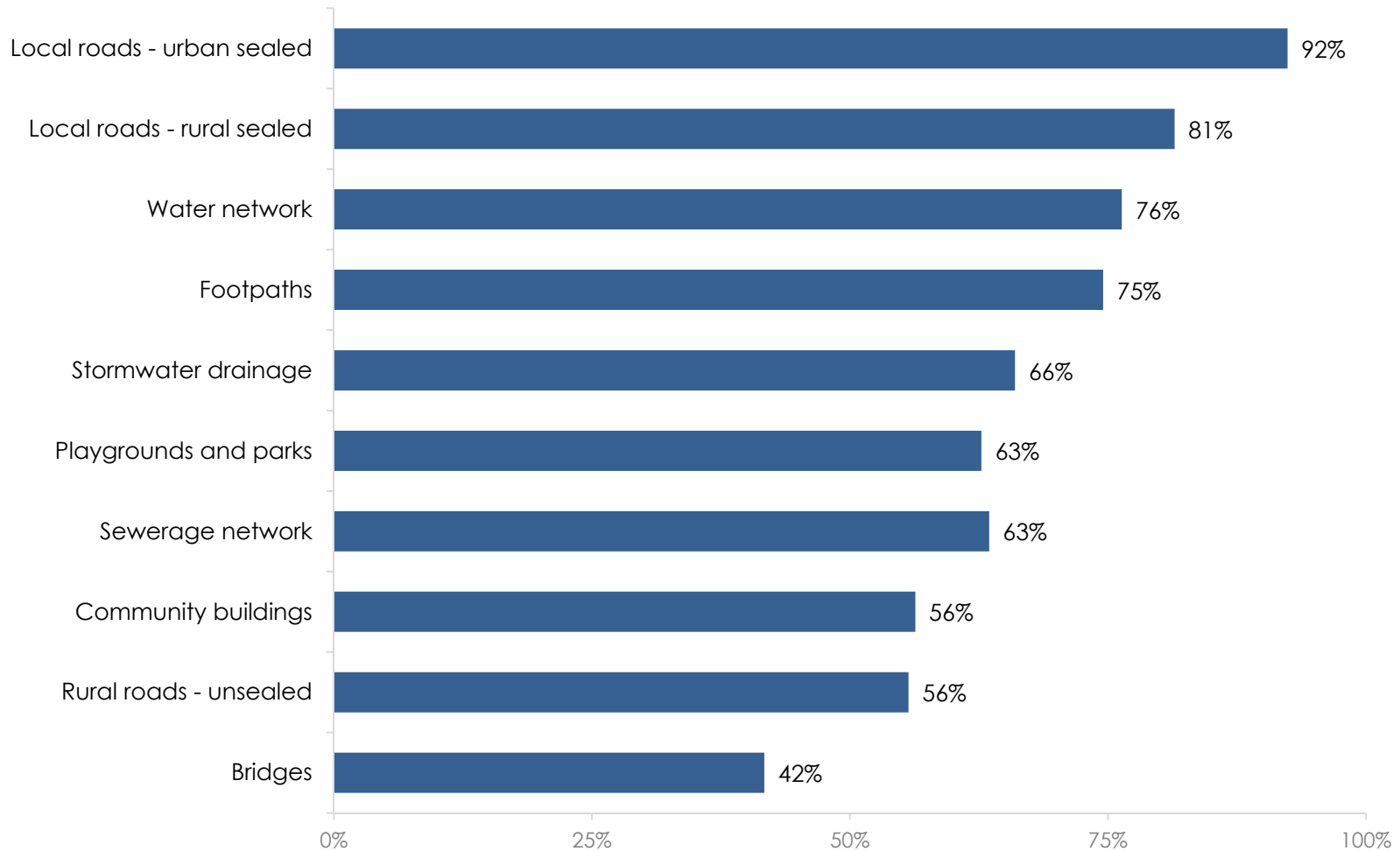
Base: N = 401

Scale: 1 = not at all important, 5 = very important

Unsurprisingly, residents rated the importance of Council implementing plans and strategies to maintain and enhance infrastructure and facilities for Lithgow LGA as very high, though residents aged 65+ were significantly less likely.

Priority Assets – Hierarchy of Results

Q1. (Recruitment) Thinking of the following types of council asset, for each of these could you please indicate which of the following assets are a priority for you?



Base: N = 631

'Local roads- urban sealed' were the council asset the largest proportion of residents consider to be a priority (92%), followed by 'local roads- rural sealed' (81%). 'Bridges' was the council asset the lowest proportion of residents stated was a priority for them (42%).

Priority Assets – by Ward

Q1. (Recruitment) Thinking of the following types of council asset, for each of these could you please indicate which of the following assets are a priority for you?

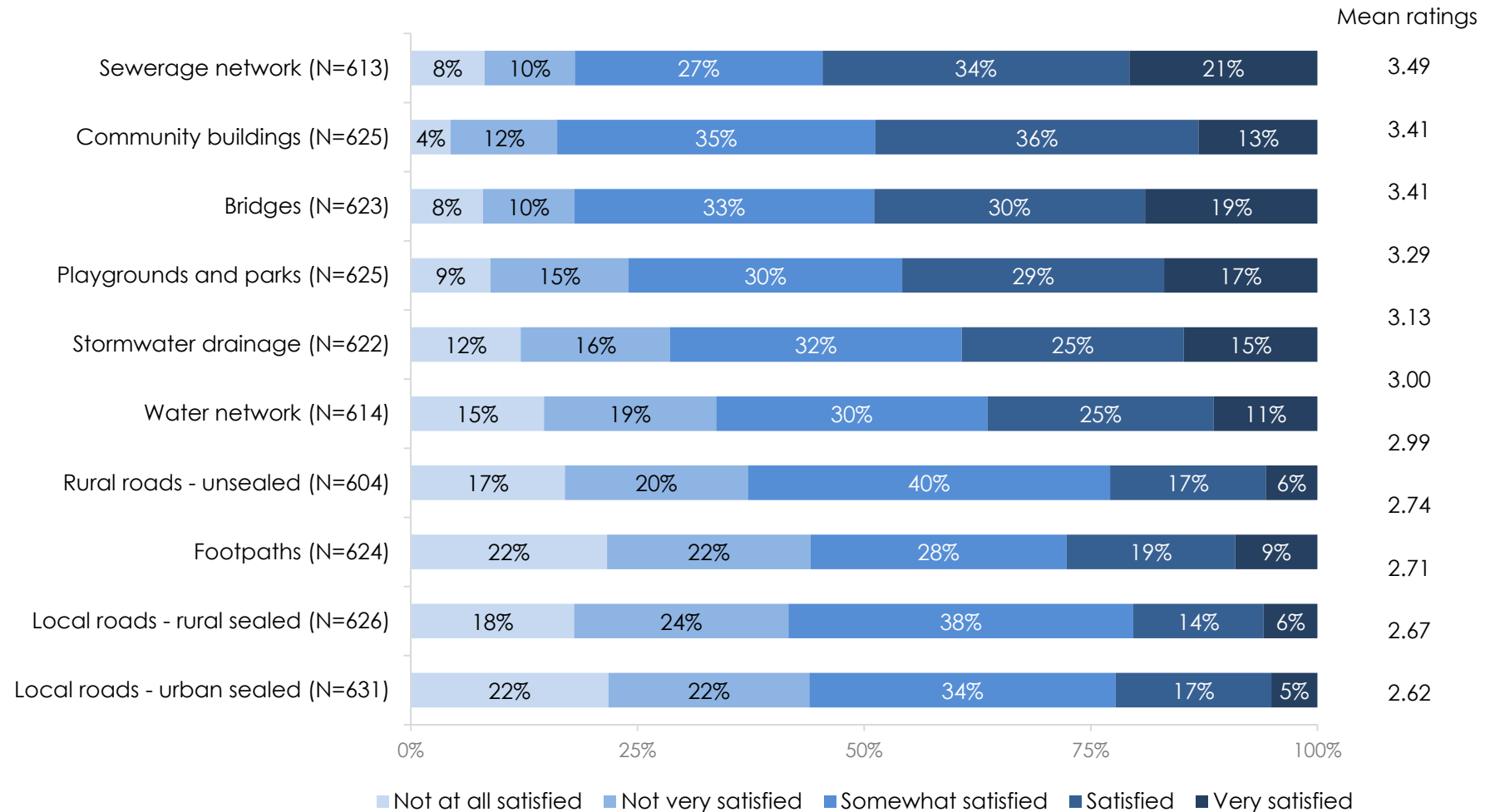
	Overall	Rural North	Rural South	Lithgow	Wallerawang	Portland
Local roads - urban sealed	92%	93%	88%	92%	92%	96%
Local roads - rural sealed	81%	95%▲	95%▲	73%▼	89%▲	90%▲
Water network	76%	57%▼	30%▼	86%▲	81%	79%
Footpaths	75%	37%▼	43%▼	86%▲	77%	71%
Stormwater drainage	66%	55%	40%▼	72%▲	62%	72%
Playgrounds and parks	63%	53%	51%	63%	64%	73%▲
Sewerage network	63%	42%▼	29%▼	73%▲	54%	71%
Community buildings	56%	45%	47%	62%▲	42%▼	63%
Rural roads - unsealed	56%	72%▲	73%▲	49%▼	58%	57%
Bridges	42%	46%	49%	39%	53%	33%
Base	631	44	64	343	92	88

▲ ▼ = significantly higher/lower percentage (by Planning Precinct)

The council assets that residents consider to be a priority varied significantly across Wards. For example, whilst 'rural roads- unsealed' was only considered a priority overall by 56% of residents, residents of 'Rural North' and 'Rural South' were significantly more likely to view this as a priority, and residents of 'Lithgow' were significantly less likely. This demonstrates that the council assets residents would like to see prioritised can differ across the LGA.

Satisfaction with Current Assets

Q1. (Recruitment) Thinking of the following types of council assets, for each of these could you please indicate how satisfied you are with the performance of that asset?



Scale: 1 = not at all satisfied, 5 = very satisfied

Satisfaction with the performance of assets was greatest for the 'sewerage network', closely followed by 'community buildings' and 'bridges'. The four lowest satisfaction ratings were given for roads (urban sealed, rural sealed and rural unsealed) and footpaths, suggesting that satisfaction is lowest for assets that concern movement around the LGA.

Satisfaction with Current Assets – by Ward

Q1. (Recruitment) Thinking of the following types of council asset, for each of these could you please indicate how satisfied you are with the performance of that asset?

	Overall	Rural North	Rural South	Lithgow	Wallerawang	Portland
Sewerage network	3.49	2.80▼	3.30	3.50	3.91▲	3.47
Community buildings	3.41	3.22	3.49	3.37	3.62	3.40
Bridges	3.41	3.23	3.09▼	3.49	3.17	3.68▲
Playgrounds and parks	3.29	3.48	3.47	3.37	2.89▼	3.17
Stormwater drainage	3.13	3.05	3.28	3.13	3.04	3.16
Water network	2.99	2.79	3.12	3.00	3.01	2.97
Rural roads - unsealed	2.74	2.29▼	2.49	2.85▲	2.75	2.77
Footpaths	2.71	2.87	2.92	2.60▼	2.74	2.88
Local roads - rural sealed	2.67	2.32▼	2.50	2.80▲	2.61	2.51
Local roads - urban sealed	2.62	2.53	2.63	2.69	2.71	2.26▼
Base	604-631	40-44	56-64	324-343	89-92	83-88

▲ ▼ = significantly higher/lower percentage (by Planning Precinct)

Scale: 1 = not at all satisfied, 5 = very satisfied



Satisfaction with the performance of each asset varied across planning precincts. For example, residents of 'Wallerawang' were significantly more likely to be satisfied with the 'sewage network', whilst residents within 'Rural North' were significantly less likely, possibly a reflection of differences in coverage of the sewage network across the planning precincts.

Statements Supplied Prior to Question

In the recall survey, before being asked whether they thought Council should invest 'more', 'the same', or 'less' in the following assets, residents were read the appropriate explanation as follows:

Sealed roads Council is responsible for 480km of sealed roads which costs \$1.1 million per year to maintain and renew. Generally, our sealed roads are in an average condition.

Unsealed roads Council currently spends \$1.4 million each year to maintain 421km of unsealed roads in the Local Government Area. Our unsealed roads are mainly classed to be in an average condition overall. Around 20% of unsealed roads in poor condition need additional maintenance and/or renewal to keep them trafficable.

Footpaths and cycle ways Council currently spends approximately \$37,000 each year to maintain 127km of footpaths. Currently the majority are classed to be in an average condition; however, some footpaths will need additional maintenance and renewal work to ensure they do not deteriorate into a poor and unsafe condition.

Bridges The majority of our 32 concrete bridges and 10 wooden bridges are rated as being in a good to average condition. However, 7% of road bridges are rated as poor. Council currently spends approximately \$19,000 per year on these bridges.

Buildings Council owns and maintains 180 community buildings. The majority of our community buildings are currently in a good to average condition. Council currently spends approximately \$450,000 per annum on building maintenance.

Stormwater drainage Most of our urban stormwater pipes and pits are rated in poor condition. Additional maintenance and renewal work needs to be undertaken to improve the condition of stormwater drainage assets. Council currently spends approximately \$100,000 on stormwater drainage maintenance.

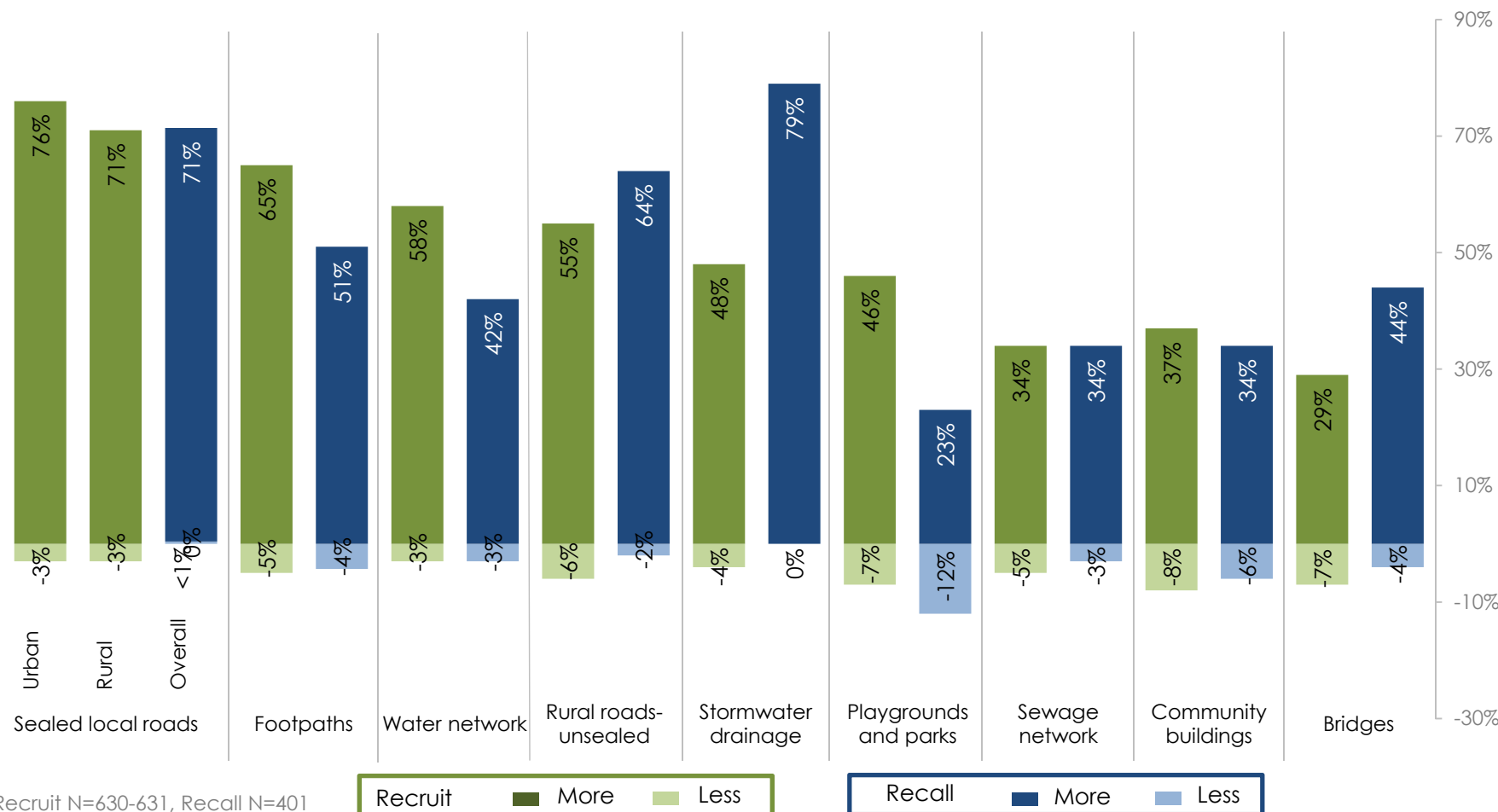
Parks and open spaces The majority of our parks and open spaces are in a good condition. Parks rated in fair condition require additional works to facilities such as playgrounds, fencing, park furniture, and sporting assets. We currently spend approximately \$729,000 per annum on maintenance of our park facilities.

Water network Council currently spends around \$2 million each year to maintain the water network, which includes 242,671m of water mains with 8,326 consumers connected to potable water. Our water network is mainly classed to be in a good to average condition.

Sewer network Council currently spends approximately \$1.1 million each year to maintain the sewer network which includes 146,035m of gravity sewer with 30,514m of sewer rising mains and 14,965 sewer trunk mains with 7,715 sewerage service connections to the network. Our sewer network is mainly classed to be in a good to average condition. Sewerage treatment plant upgrades will result in corresponding increases in operation and maintenance costs.

Residents' Consideration of Council's Investment

- Q1. (Recruit) Thinking of the following types of council asset for each of these could you please indicate whether Council should invest less, the same, or more than they currently spend/resource for on each?
- Q3. (Recall) Thinking about our current spend on public amenities, do you think Council should be investing more, the same or less?



Although overall residents would like investment to be increased across all facilities, the information pack clearly had an impact on opinions. The proportion of residents believing investment should be 'more' increased after receiving the information pack for 'stormwater drainage', 'bridges' and 'rural roads- unsealed', but decreased for 'footpaths', 'water network' and 'playgrounds and parks'.

Section 2: Funding Our Future



Concept Statement

This statement was read to residents prior to asking further questions

Section 2 – Funding our future

Council wants to understand from the community how we should prioritise expenditure on our different community asset types. We need a clear direction for future spending based on the community's views on what constitutes an acceptable level of asset conditions.

It is essential that we keep our community assets in a safe working order and they meet community expectations. Based on the most recent condition ratings and the current levels of infrastructure funding, the following asset classes need increased council funding:

Roads (sealed and unsealed – 10% poor condition)
Stormwater drainage (mainly in poor condition)
Buildings (32% poor condition)

Increasing the level of funding for these assets will allow Council to maintain and renew those which are currently in a poor condition. It will also ensure that the number of assets in poor condition does not continue to grow.

Please rate your support of Council's proposed investment position on the following assets.



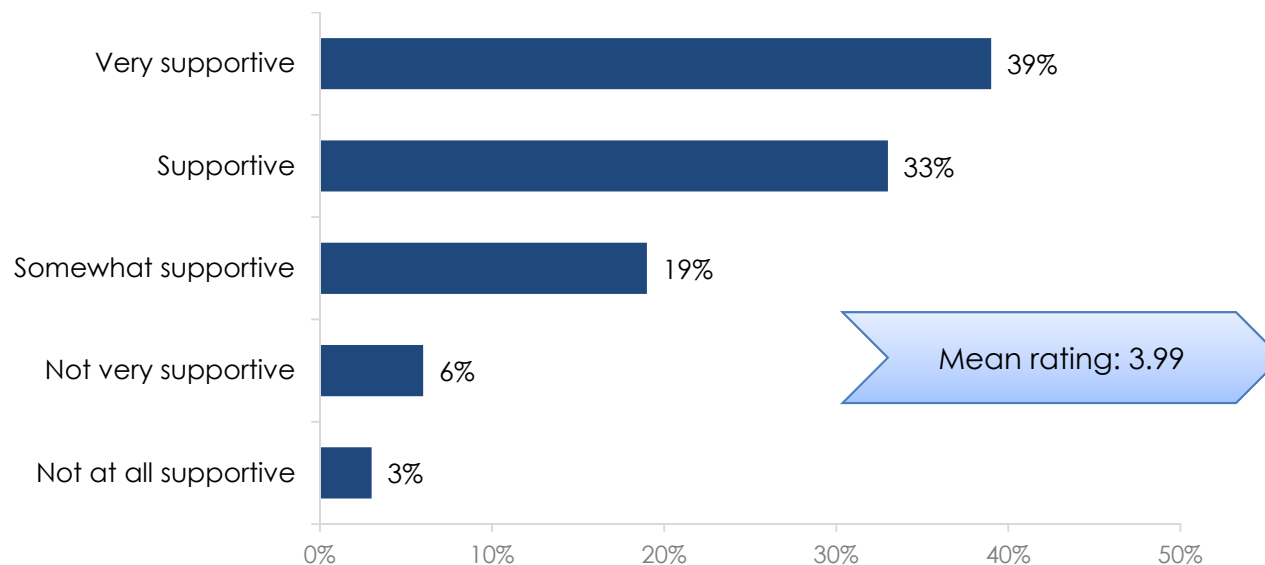
Support for Additional Investment in Transport

Commencing in 2019/20, one option would be for Council to increase its annual maintenance and renewal budget for transport from \$4,188,000 to \$4,913,000. (Transport includes sealed roads, unsealed roads, footpaths/cycle ways, bridges/footbridges, and bus shelters).

Q4a. (Recontact) How supportive are you of this level of additional investment in transport?

	Overall	Male	Female	18-34	35-49	50-64	65+
Mean ratings	3.99	3.94	4.04	4.27	4.10	3.83	3.84

	Ratepayer	Non-ratepayer	Rural North	Rural South	Lithgow	Wallerawang	Portland
Mean ratings	3.94	4.23	3.97	3.96	3.93	4.14	4.08



Base: N = 401

Scale: 1 = not at all supportive, 5 = very supportive

91% of residents are at least 'somewhat supportive' of Council increasing its annual maintenance and renewal budget for transport, with consistent levels of support across gender, age and Planning Precinct.

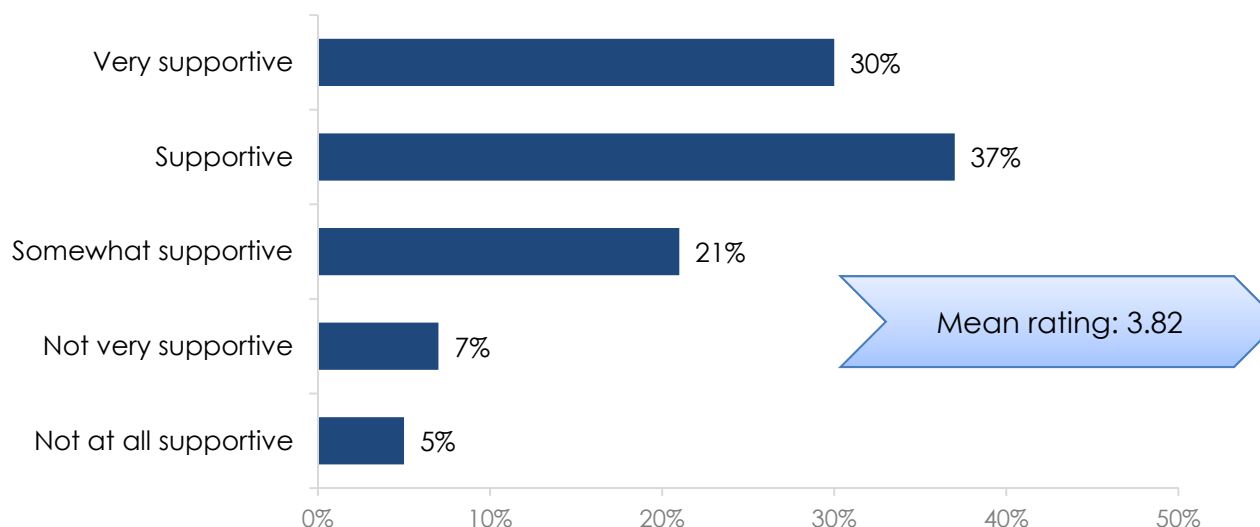
Support for Additional Investment in Urban Stormwater Drainage

Commencing in 2019/20, one option would be for Council to increase its annual maintenance and renewal budget for urban stormwater from \$107,000 to \$207,000.

Q4b. (Recontact) How supportive are you of this level of additional investment in urban stormwater drainage?

	Overall	Male	Female	18-34	35-49	50-64	65+
Mean ratings	3.82	3.67	3.96▲	4.36▲	3.78	3.61▼	3.60▼

	Ratepayer	Non-ratepayer	Rural North	Rural South	Lithgow	Wallerawang	Portland
Mean ratings	3.73	4.26▲	3.32▼	3.48	3.90	3.88	3.96



Base: N = 401

Scale: 1 = not at all supportive, 5 = very supportive

▲ ▼ = significantly higher/lower rating by group

88% of residents are at least 'somewhat supportive' of Council increasing its annual maintenance and renewal budget for urban stormwater.

Females, non-ratepayers and younger residents (18-34) were significantly more likely to be supportive, whilst ratepayers, older residents (50+) and those that live within the Rural North Planning Precinct were significantly less likely to be supportive.

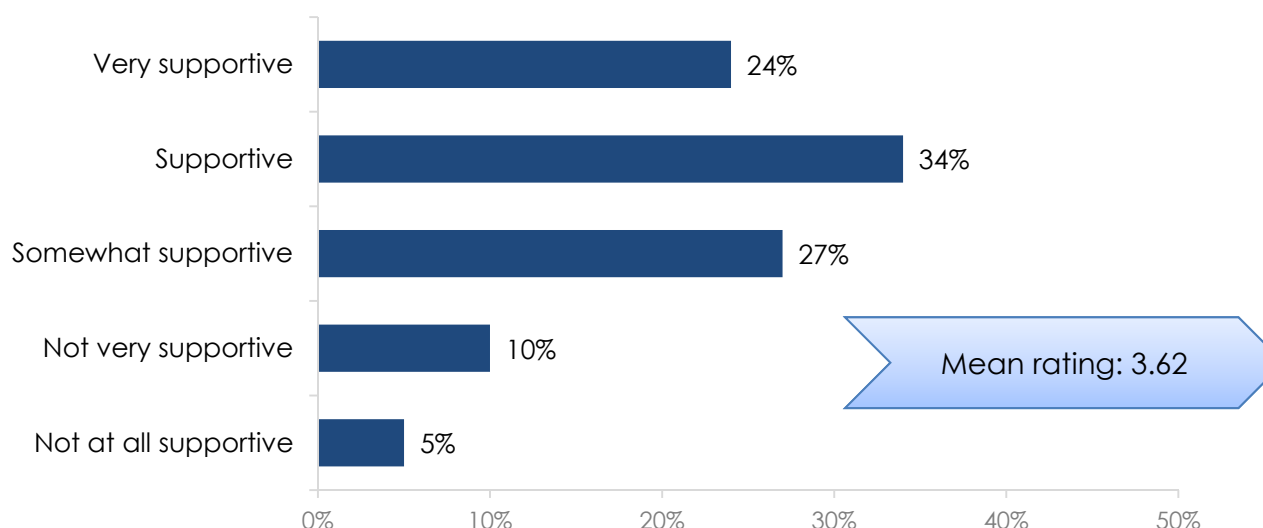
Support for Additional Investment in Buildings and Public Amenities

Commencing in 2019/20, one option would be for Council to increase its annual maintenance and renewal budget for buildings and public amenities from \$831,000 to \$1,051,000.

Q4c. (Recontact) How supportive are you of this level of additional investment in buildings and public amenities?

	Overall	Male	Female	18-34	35-49	50-64	65+
Mean ratings	3.62	3.53	3.70	4.33▲	3.39	3.39▼	3.44▼

	Ratepayer	Non-ratepayer	Rural North	Rural South	Lithgow	Wallerawang	Portland
Mean ratings	3.52	4.11▲	3.25	3.39	3.58	4.02▲	3.70



Base: N = 401

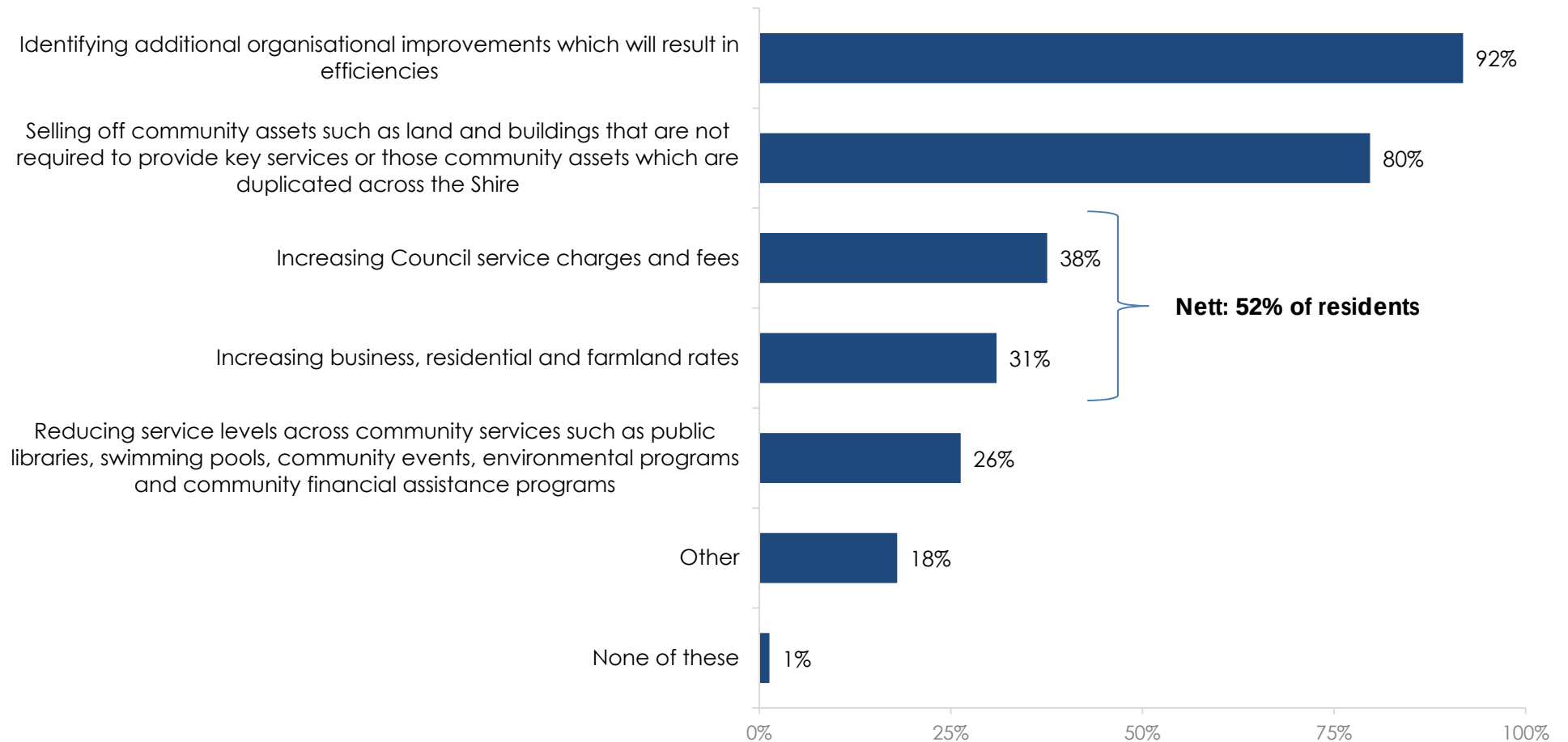
Scale: 1 = not at all supportive, 5 = very supportive

▲ ▼ = significantly higher/lower rating by group

85% of residents are at least 'somewhat supportive' of Council increasing its annual maintenance and renewal budget for buildings and public amenities. Younger residents (18-34), non-ratepayers and those that live within the Wallerawang Planning Precinct were significantly more likely to be supportive, whilst older residents (50+) and ratepayers were significantly less likely.

Preferred Funding Options

Q5. (Recontact) Considering the challenges Council faces with ageing infrastructure, which of the following revenue options would you support Council exploring in order to address funding requirements?



Base: N = 401

See Appendix A for 'other specified' responses

92% of residents would support Council identifying additional organisational improvements that result in efficiencies, and 80% would support selling off community assets.

52% of residents already accept that they need to pay directly (via rates: 31%) or indirectly (via service charges and fees: 38%) to allow council to meet these funding requirements in order to improve the quality of community assets.

Section 3: Community Consultation



Overall Satisfaction with Council's Performance

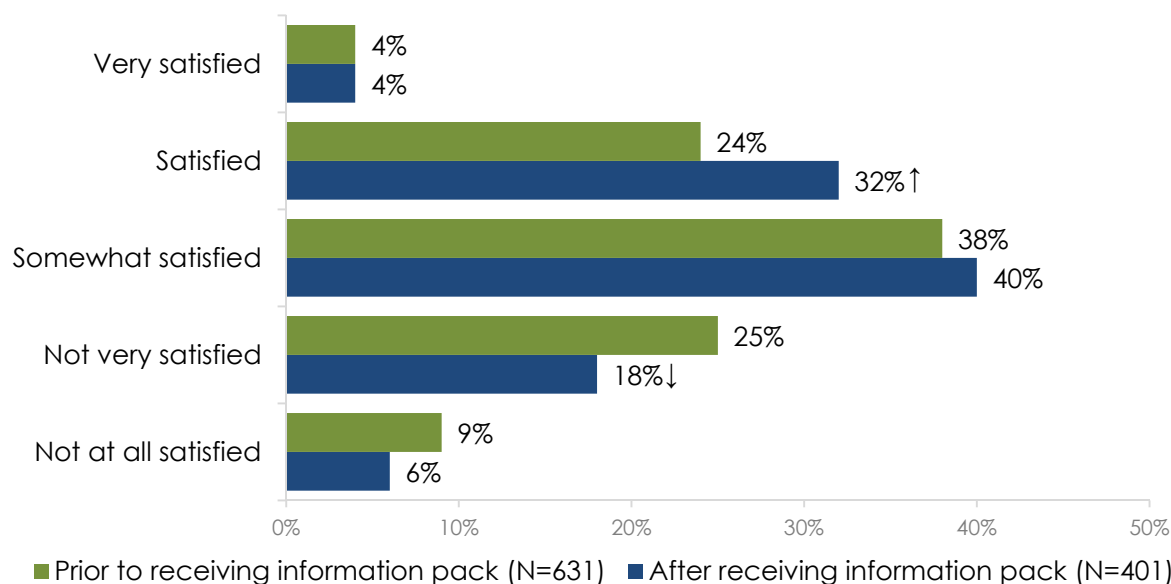
Q2 & Q7. (Recruit and Recontact) In general, how satisfied are you with the performance of Council, and their services, not just on one or two issues but across all responsibility areas?

	Overall	Male	Female	18-34	35-49	50-64	65+
Prior to receiving information pack	2.89	2.87	2.91	2.76	2.79	2.92	3.03▲
After receiving information pack	3.10↑	3.02	3.18↑	3.09↑	2.91	3.09	3.28▲↑

	Ratepayer	Non-ratepayer	Rural North	Rural South	Lithgow	Wallerawang	Portland
Prior to receiving information pack	NA	NA	2.75	2.90	2.95	2.88	2.73
After receiving information pack	3.06	3.33	3.13	3.19	3.14↑	2.97	3.02↑

▲ ▼ = significantly higher/lower by group (row)
 ↑ ↓ = significantly higher/lower compared to 'prior' (column)

Note: overall satisfaction prior to receiving the information pack, did not significantly differ for the respondents that participated in the recontact survey (2.88)



↑ ↓ = significantly higher/lower compared to 'prior'

NSW LGA BRAND SCORES	Means
Regional	3.22↑
All of NSW	3.31↑↑
Lithgow City Council – 'prior'	2.89
Lithgow City Council – 'after'	3.10

↑ ↓ = significantly higher/lower (compared to 'prior')
 ↑ ↓ = significantly higher/lower (compared to 'after')

Scale: 1 = not at all satisfied, 5 = very satisfied

Overall satisfaction with the performance of Council significantly increased after residents were actively engaged by Council and received the information pack.

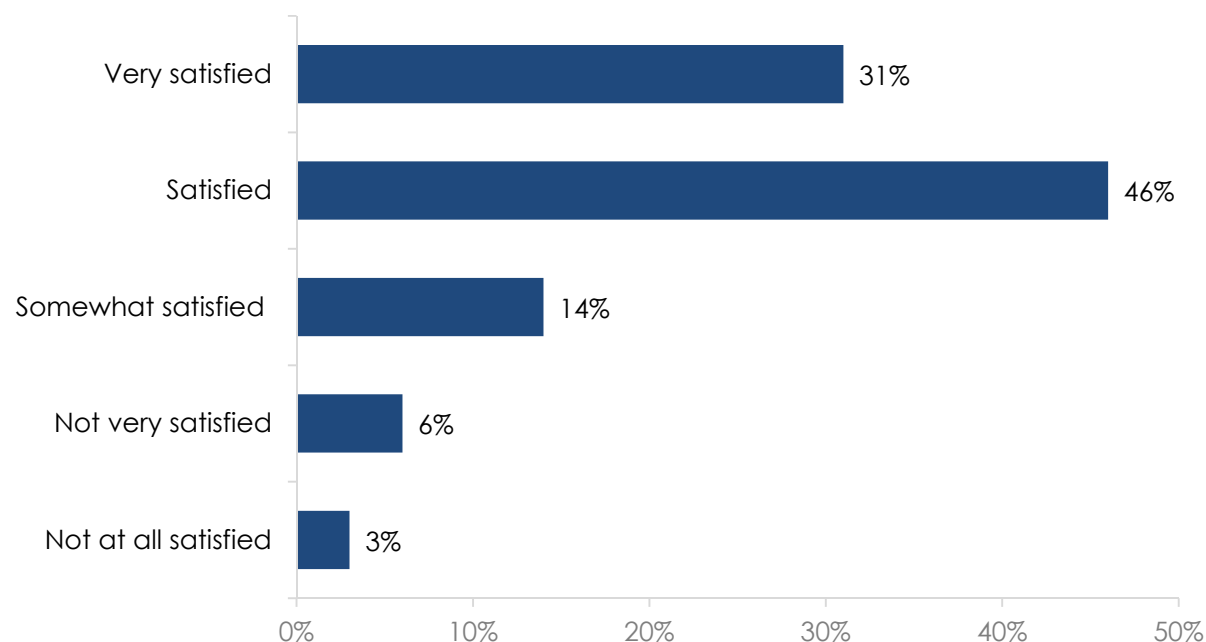
Older residents (65+) were significantly more likely to be satisfied with Council, both prior to and after receiving the information pack.

Satisfaction with Consultation

Q8a. (Recontact) How satisfied are you with this community consultation undertaken by Council?

	Overall	Male	Female	18-34	35-49	50-64	65+
Mean ratings	3.96	3.95	3.96	4.36▲	3.92	3.80	3.82

	Ratepayer	Non-ratepayer	Rural North	Rural South	Lithgow	Wallerawang	Portland
Mean ratings	3.88	4.35▲	4.03	3.81	3.92	4.01	4.10



Base: N = 401

Scale: 1 = not at all satisfied, 5 = very satisfied

▲ ▼ = significantly higher/lower satisfaction (by group)

91% of residents were at least 'somewhat satisfied' with this community consultation undertaken by Council, with 77% selecting the top 2 ratings of 'satisfied' or 'very satisfied'. Younger residents (18-34) and non-ratepayers were significantly more likely to be satisfied.

Appendix A:



Preferred Funding Options

Q5. (Recontact) Considering the challenges Council faces with ageing infrastructure, which of the following revenue options would you support Council exploring in order to address funding requirements?

	Count
Apply for government loans/grants (both Federal and State)	19
Increase tourism	10
Support/increase number of businesses	10
Stop community grant programs/community events	7
Corporate sponsorship	6
Reduce Council development projects	6
Ensure all projects are of high quality, to reduce future costs	5
Community fundraisers	4
Reduce staff/Councillor salaries	3
Be more proactive in maintenance, rather than only addressing problems	2
Increase development/population	2
Reduce use of contractors	2
Amalgamate the Council	1
Better long term planning	1
Create a local lottery	1
Do not supplement development charges	1
Higher quality staff/Councillors	1
Switch of renewable energy	1
Use contractors, instead of employing people full time	1

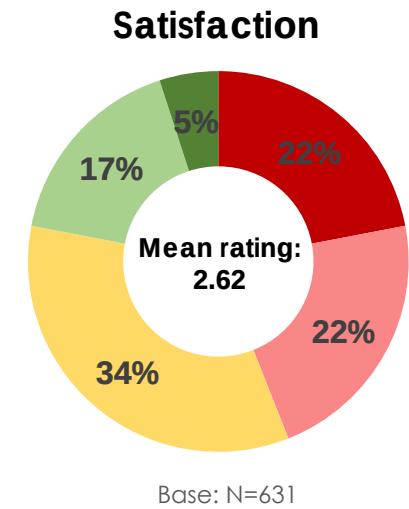
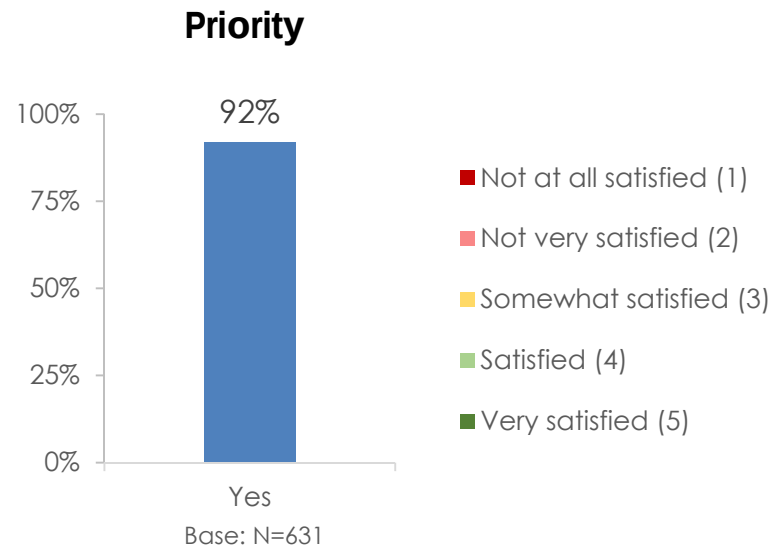
Appendix B: Council Asset Summaries



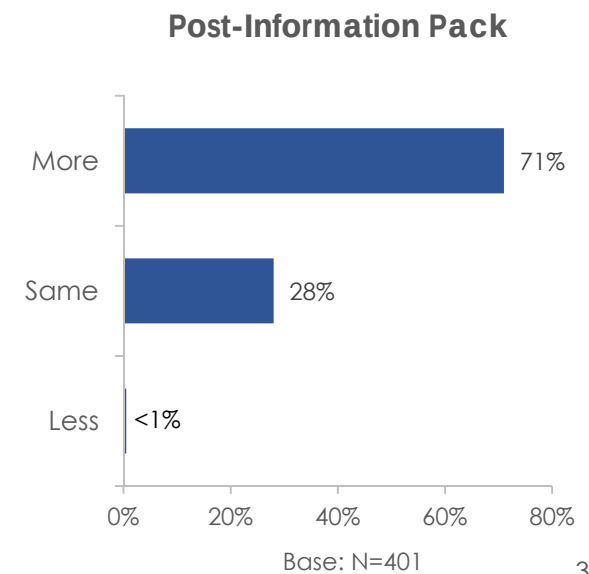
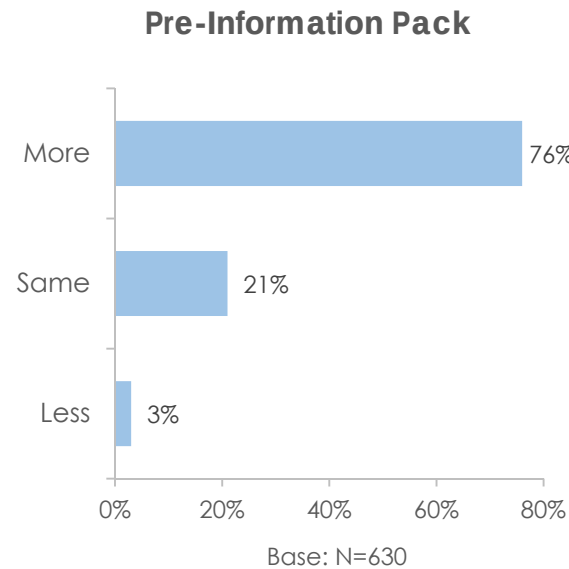
Local Roads – Urban Sealed



	Rank	
	Priority	Satisfaction
1 st	●	●
2 nd	●	●
3 rd	●	●
4 th	●	●
5 th	●	●
6 th	●	●
7 th	●	●
8 th	●	●
9 th	●	●
10 th	●	●



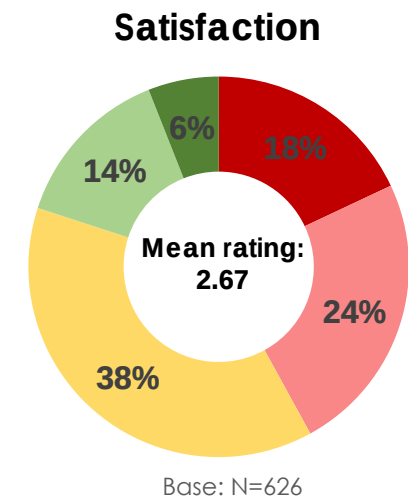
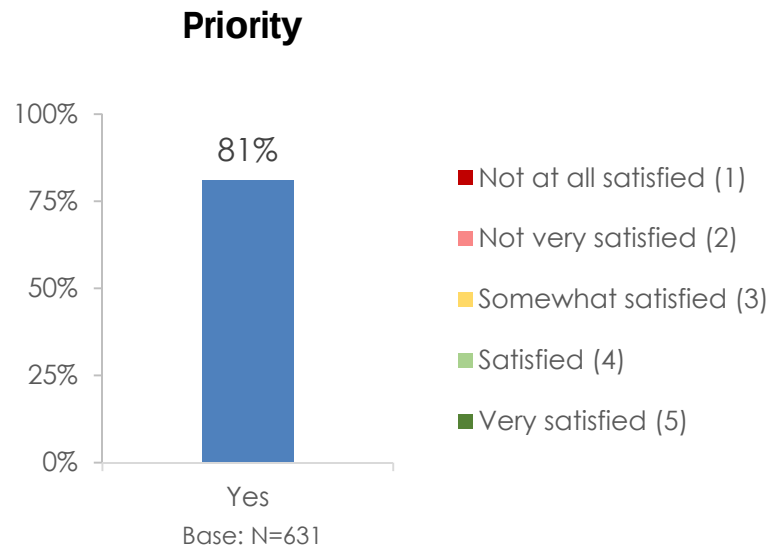
Council Investment



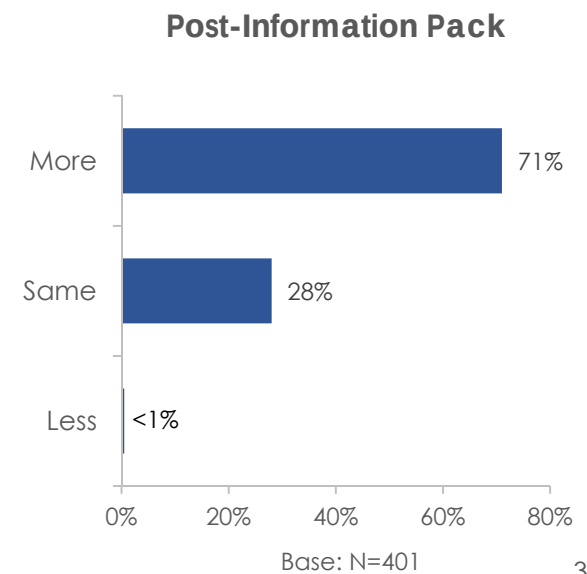
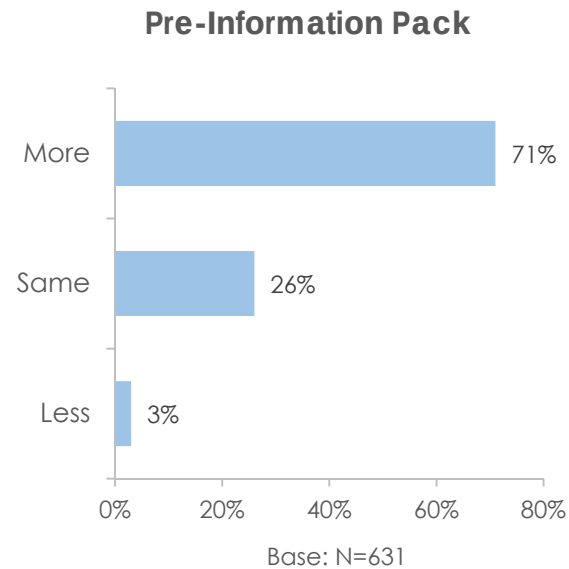
Local Roads – Rural Sealed



	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		



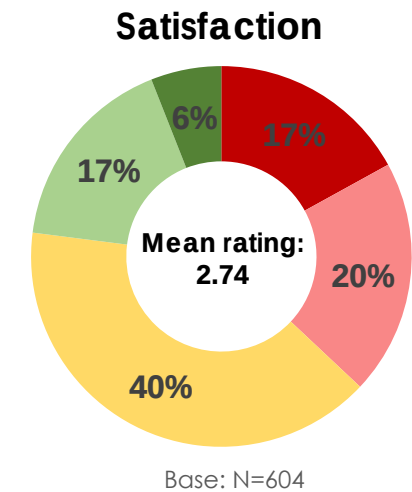
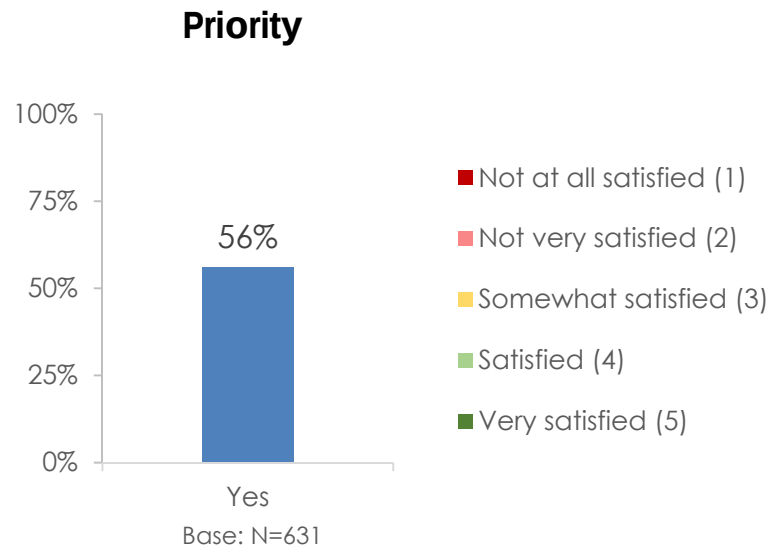
Council Investment



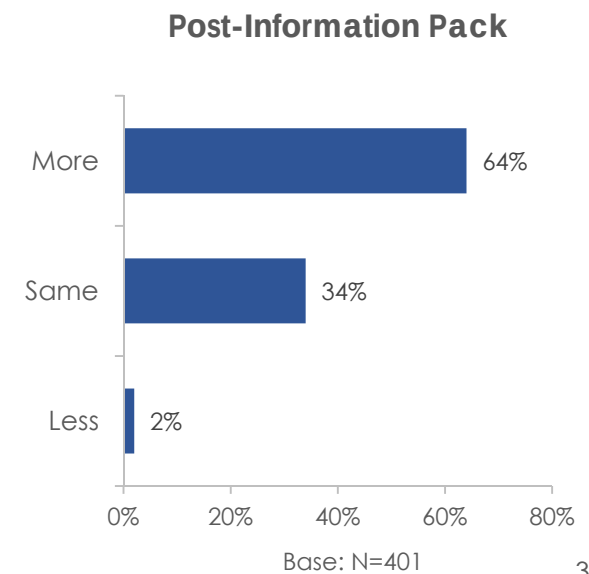
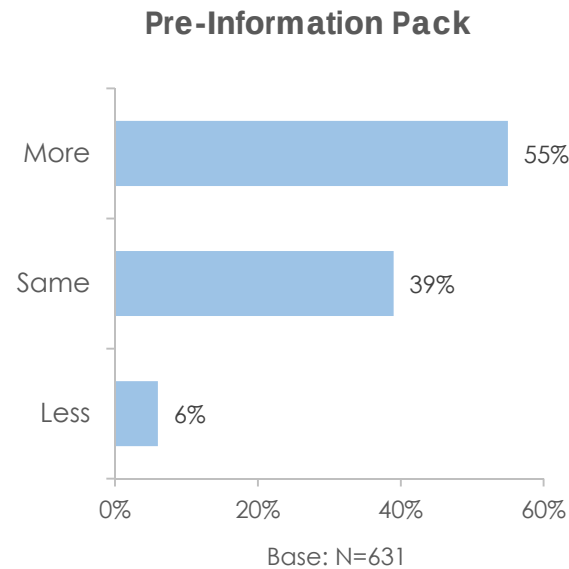
Rural Roads – Unsealed



	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		



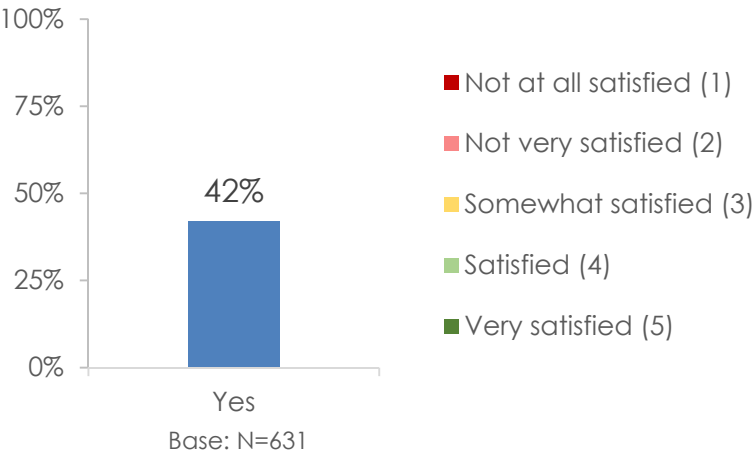
Council Investment



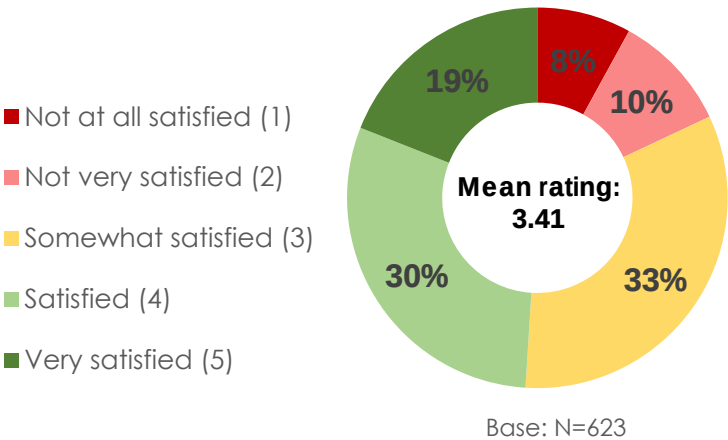


	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		

Priority

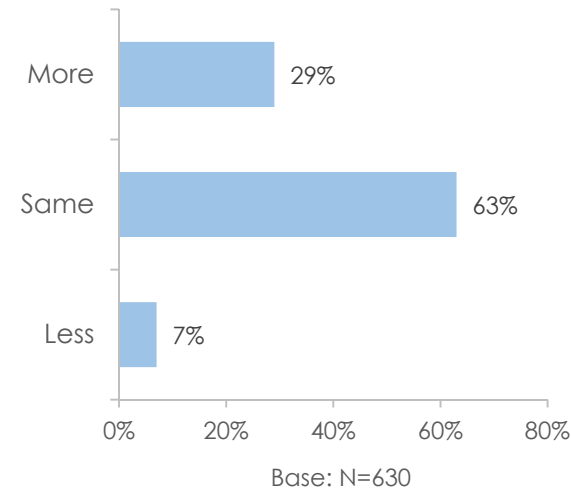


Satisfaction

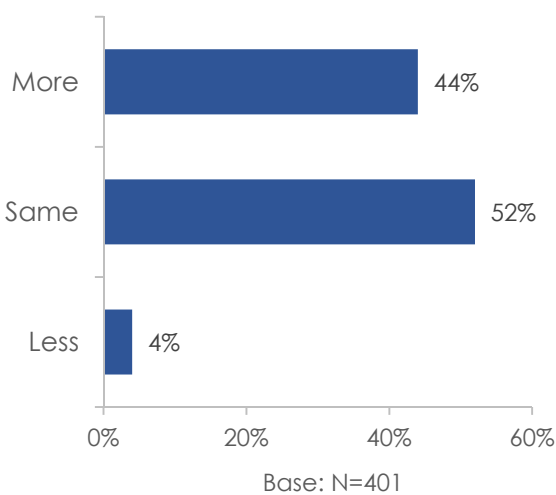


Council Investment

Pre-Information Pack



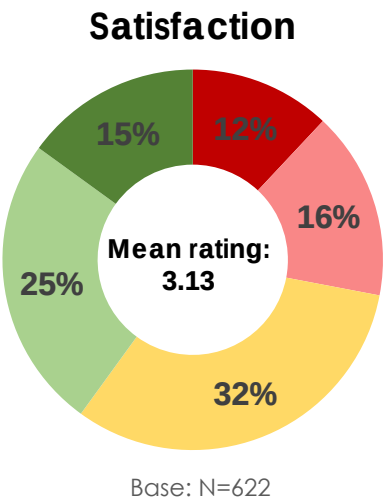
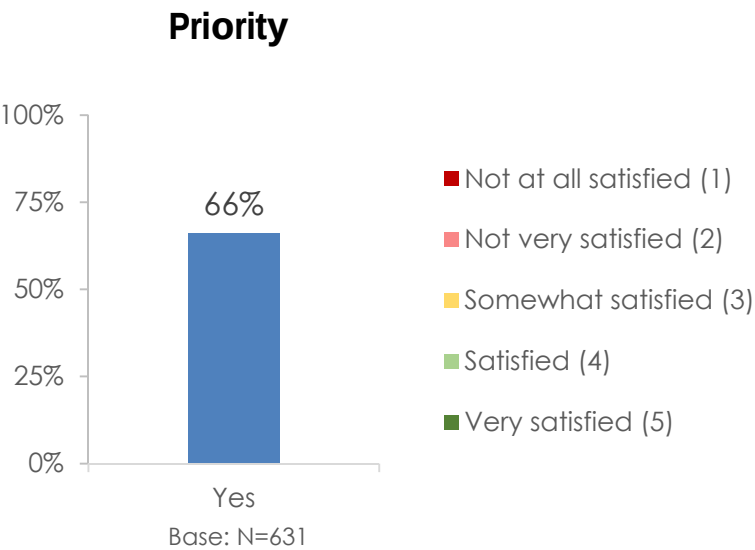
Post-Information Pack



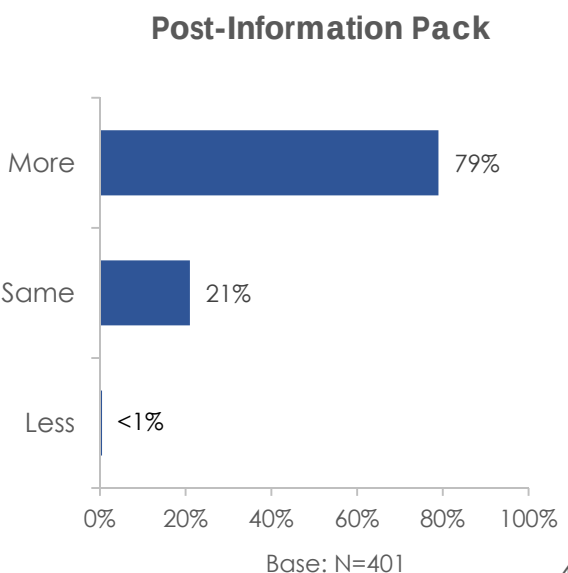
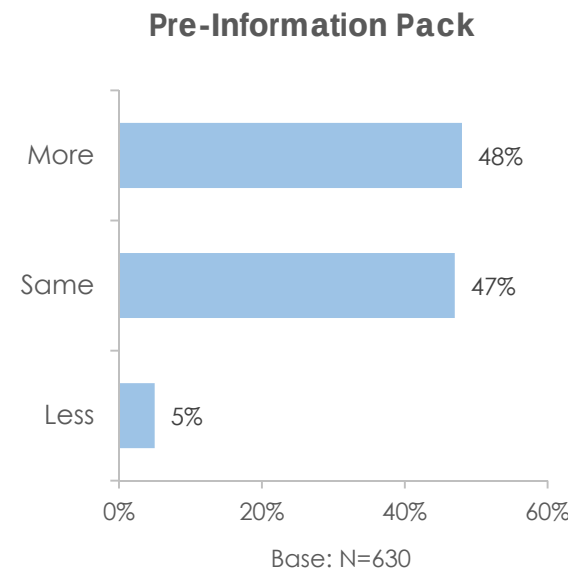
Stormwater Drainage



	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		



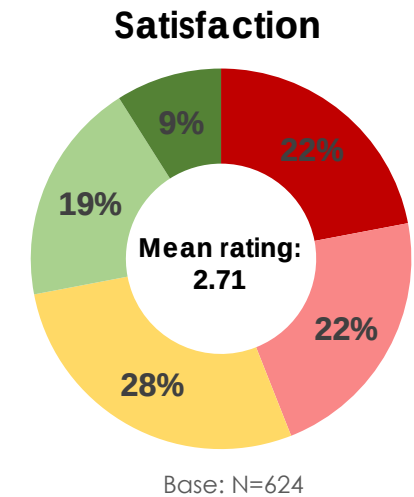
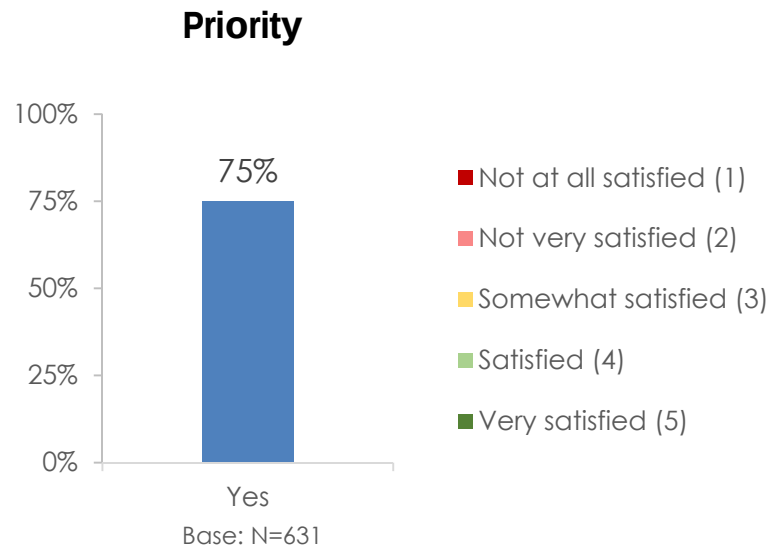
Council Investment



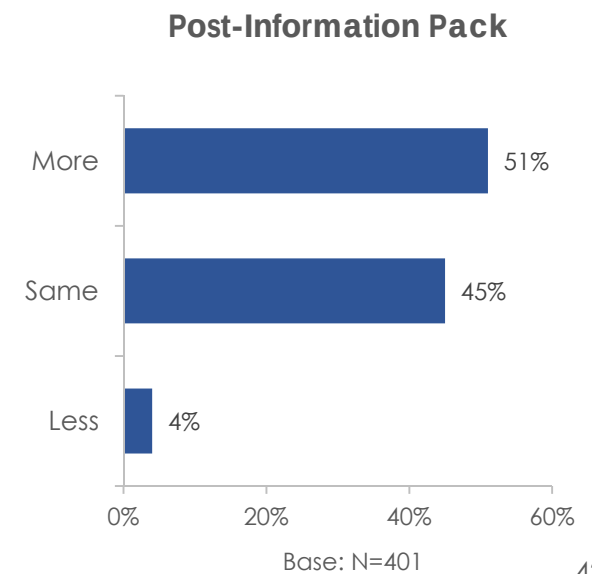
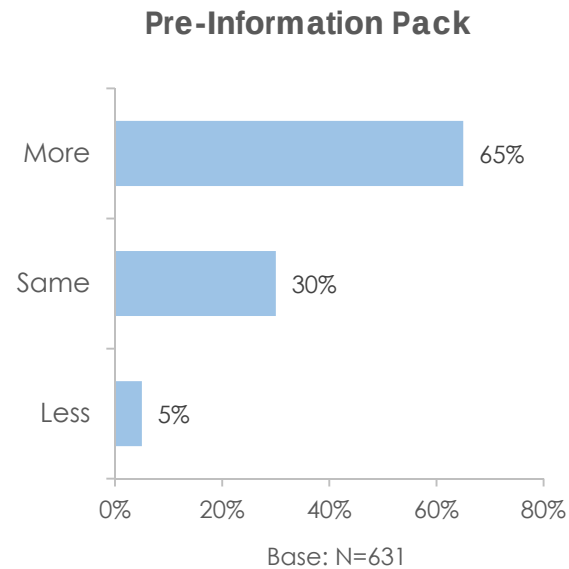
Footpaths



	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		



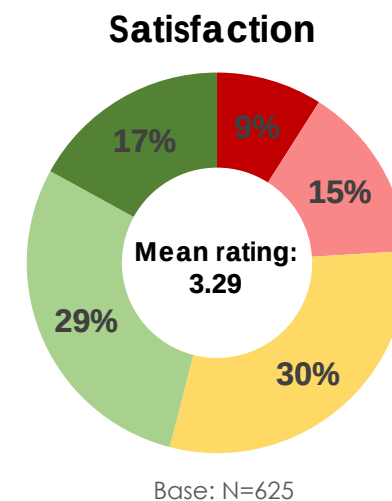
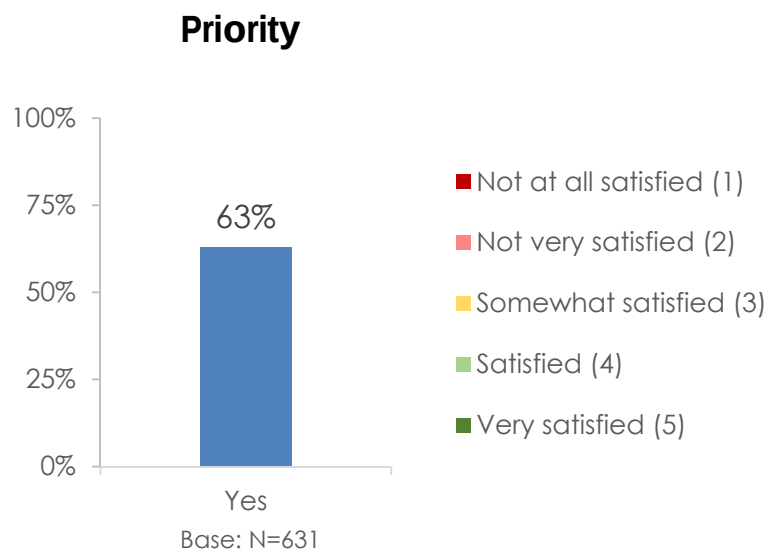
Council Investment



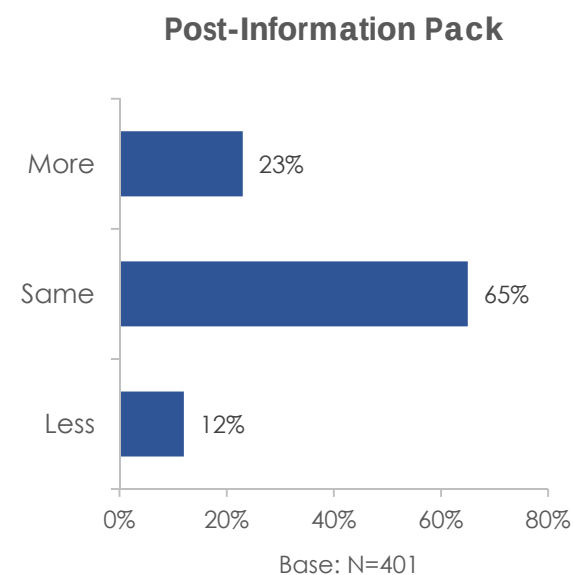
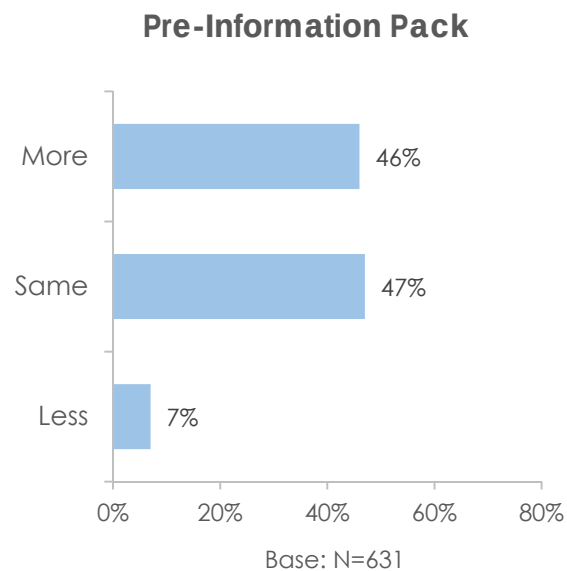
Playgrounds and Parks



	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		



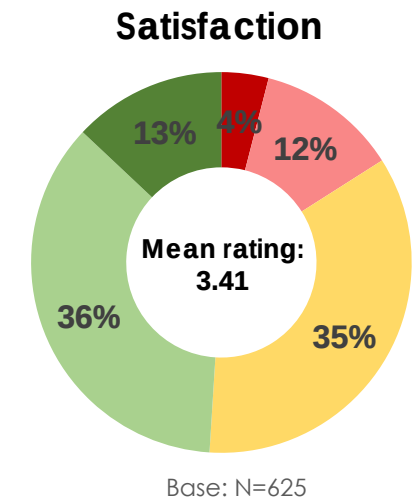
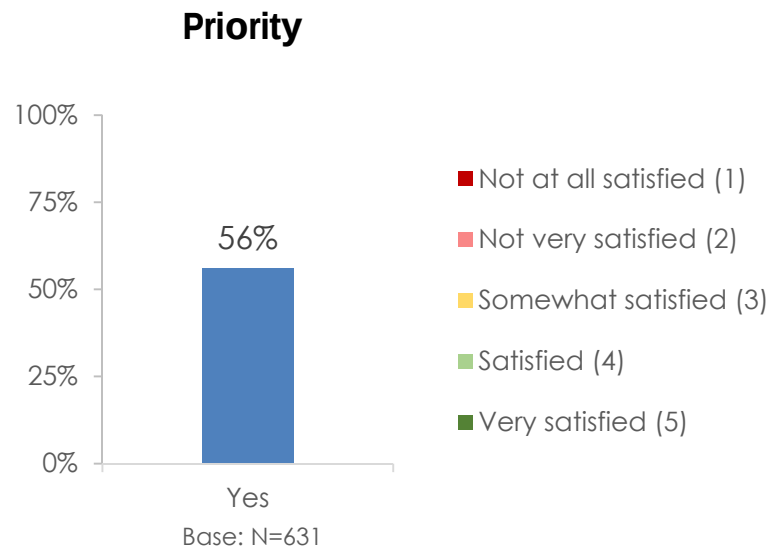
Council Investment



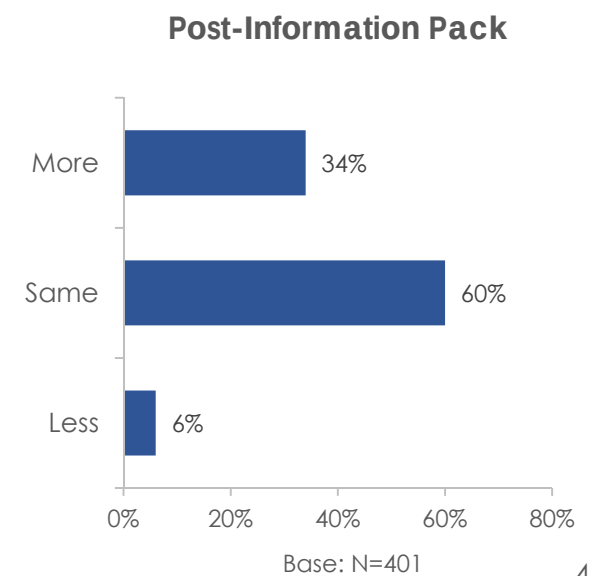
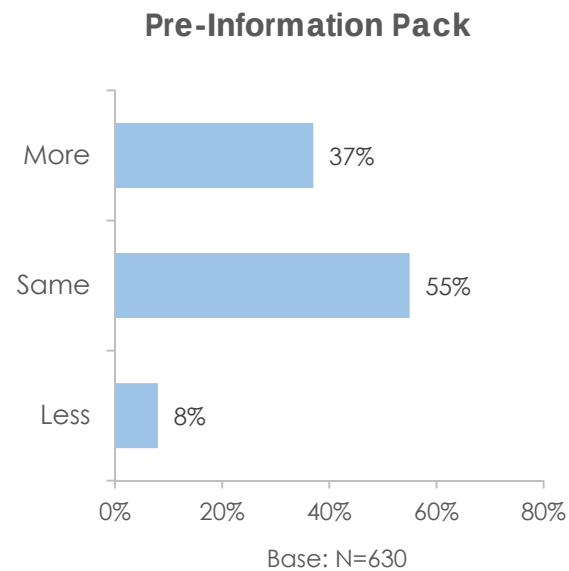
Community Buildings



	Rank	
	Priority	Satisfaction
1 st	●	●
2 nd	●	●
3 rd	●	●
4 th	●	●
5 th	●	●
6 th	●	●
7 th	●	●
8 th	●	●
9 th	●	●
10 th	●	●



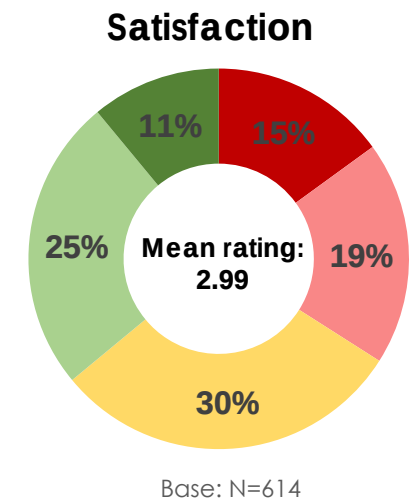
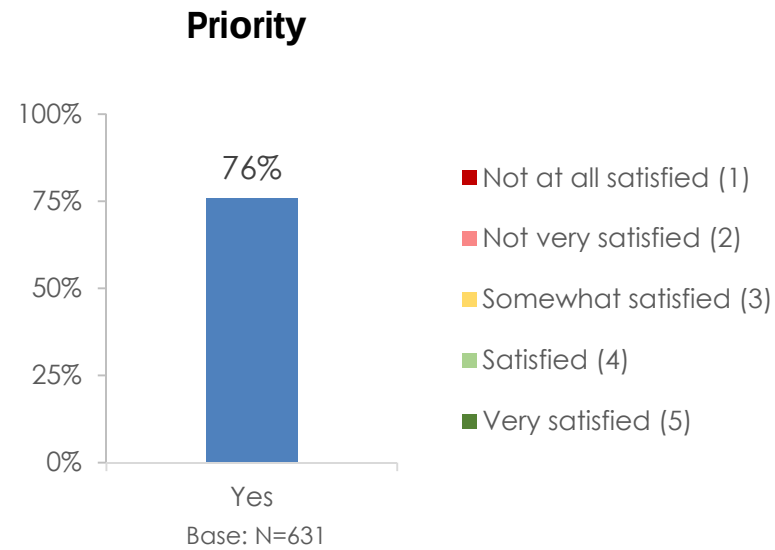
Council Investment



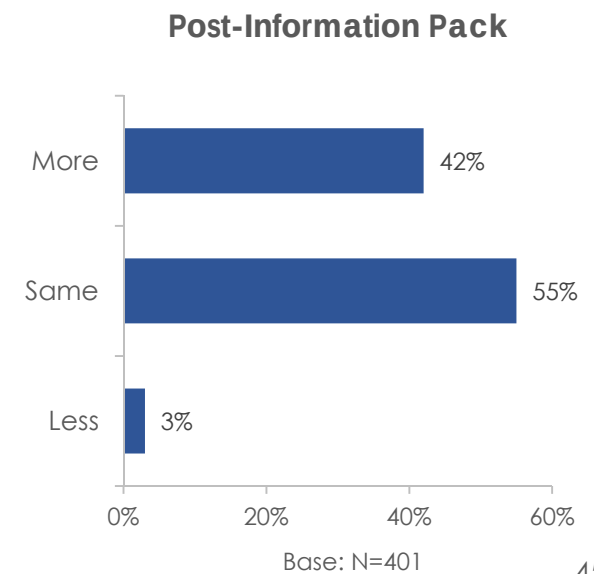
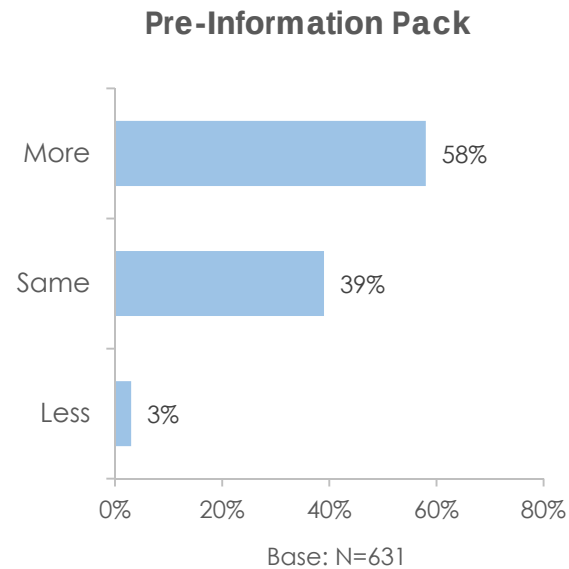
Water Network



	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		



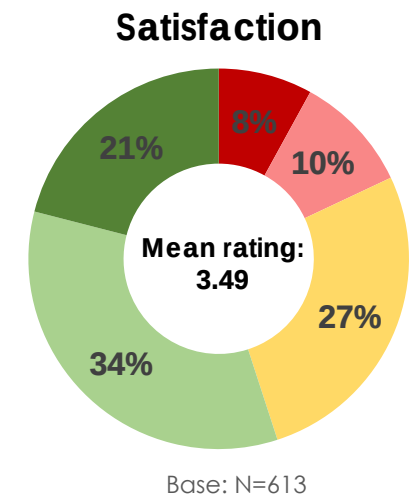
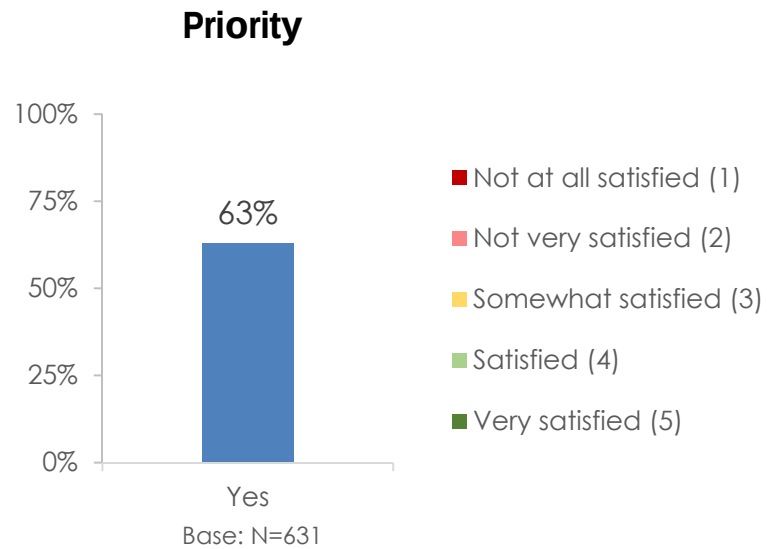
Council Investment



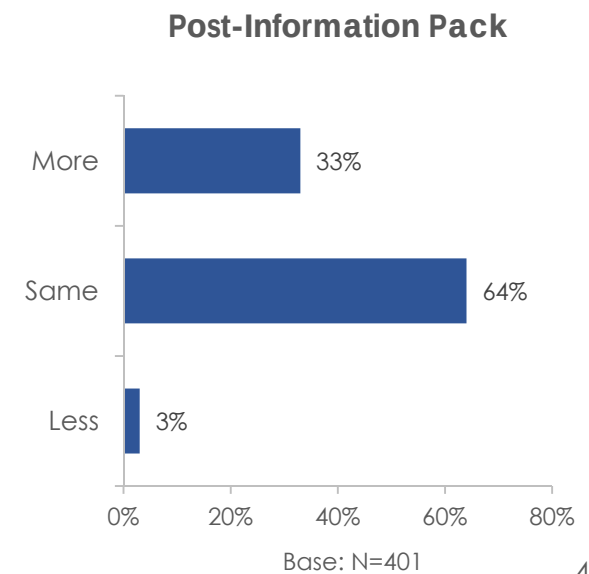
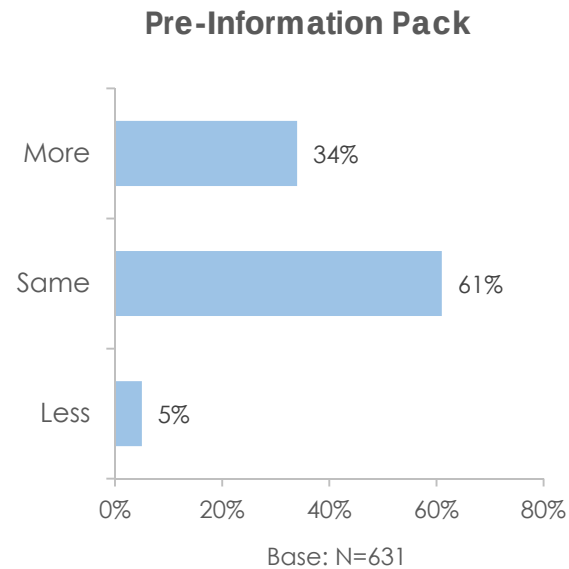
Sewerage Network



	Rank	
	Priority	Satisfaction
1 st		
2 nd		
3 rd		
4 th		
5 th		
6 th		
7 th		
8 th		
9 th		
10 th		



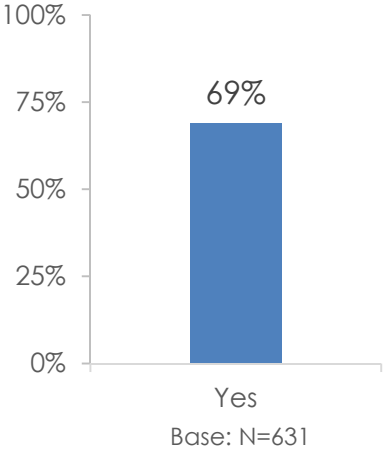
Council Investment



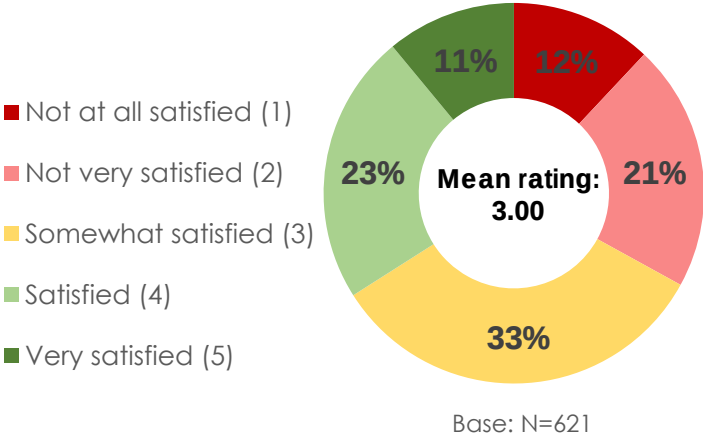
Public Toilets



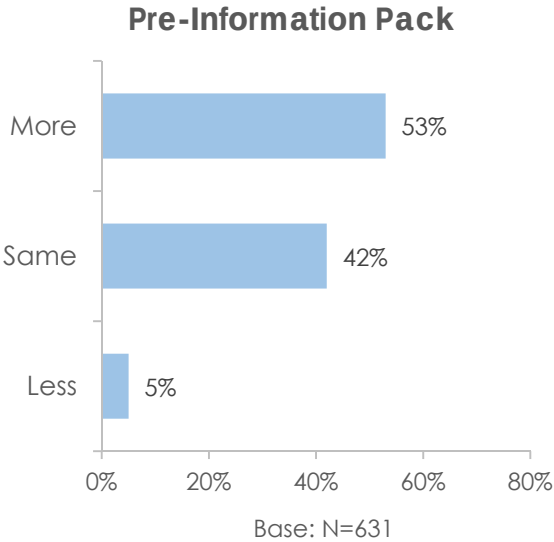
Priority



Satisfaction



Council Investment



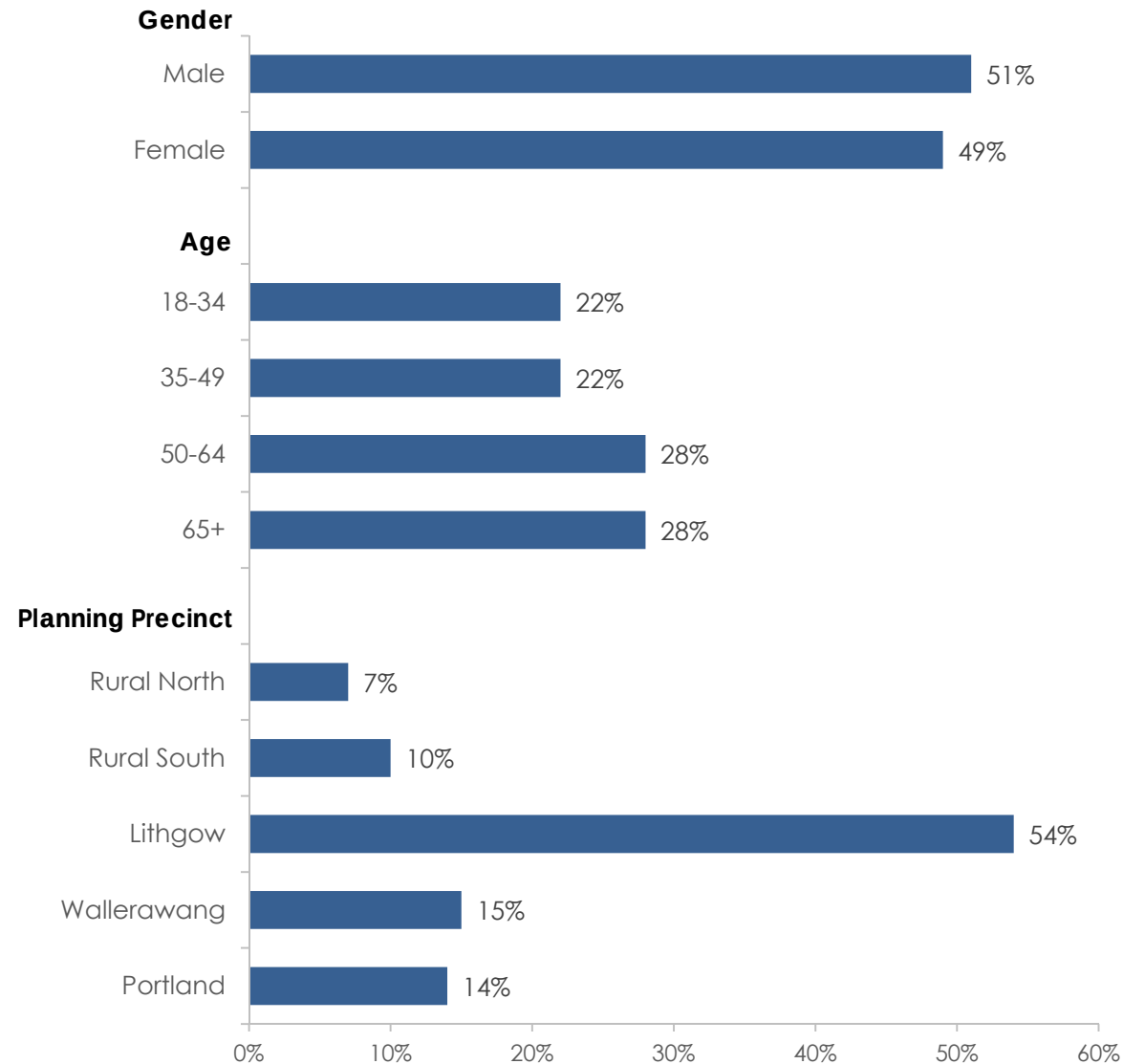
Note: investment in public toilets was not asked in the recontact survey

Appendix C: Sample Profile



Sample Profile – Recruitment Survey

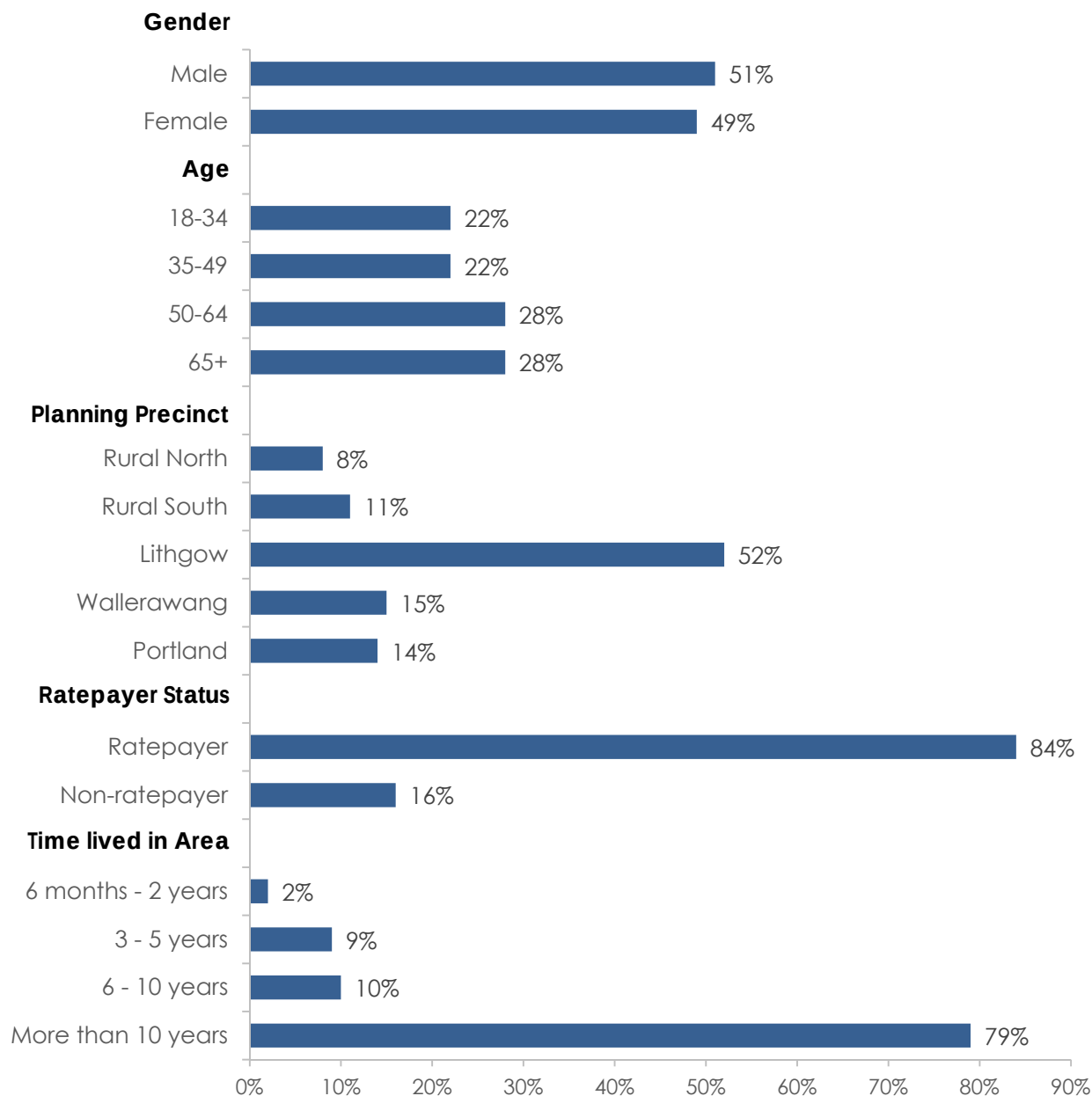
The sample was weighted by age and gender to reflect the 2016 ABS community profile of Lithgow City Council



Base: N = 631

Sample Profile – Recontact Survey

The sample was weighted by age and gender to reflect the 2016 ABS community profile of Lithgow City Council



Base: N = 401

Questionnaires



Lithgow Council
Asset Management – Recruitment and Recall – June/July 2018

Spiel

Good evening, my name is and I am calling on behalf of Lithgow Council, from a company called Micromex. Council is conducting a community survey to help it better understand community expectations in the delivery of existing community infrastructure.

For demographic purposes, we are firstly looking for those aged 18-34 as they are more difficult to get hold of. Who would be the best person in your house to speak to?

If no: We encourage everyone 18 years and over to participate, would you be willing to assist with this please?

If no: Thank you anyway for your time.

If yes: Can I please confirm that you do live in the Lithgow Council area?

If no: Unfortunately you are not eligible for the research. Thank you for your time.

If yes: I just need to confirm that neither you nor an immediate family member work for Council or are a Councillor for Lithgow Council.

If yes: Unfortunately you are not eligible for the research. Thank you for your time.

If no

Council wants your opinion on which assets are the most important for the community and how it should allocate funding to asset maintenance in the future.

What we'd like to do is mail you an information pack which outlines Council's assets, their current condition and the expenditure needed to maintain them. The information pack is easy to understand and follow. We'd like you to read through the information and then we'll call you in the next week or so and ask you some questions regarding it.

Council is very interested in obtaining your views and this will assist in understanding the community's position on the delivery of community assets. Would you be willing to participate?

FAQs

How long will the survey take?

Call-back survey will take approximately 12 minutes

What are the questions about?

Questions are about condition ratings, importance levels, and funding options.

Recruitment survey

QR1. So that we can send you the information package, may I please have your:

Title:
 First name:
 Surname:
 Street address:
 Suburb:
 Postcode:
 Best contact telephone number:
 Email:

QR2. What is your preferred contact time?

- ☐ Morning
- ☐ Afternoon
- ☐ Evening

I just have a few questions about you.

QD1. Record gender (By voice)

- ☐ Male
- ☐ Female

QD2. Which of these age groups do you fit into?

- ☐ 18-34
- ☐ 35-49
- ☐ 50-64
- ☐ 65+

QD3. Which area of the Lithgow LGA do you reside

Rural North

- ☐ Ben Bullen
- ☐ Blackman's Flat
- ☐ Bogee
- ☐ Capertee
- ☐ Clarence
- ☐ Cullen Bullen
- ☐ Dargan
- ☐ Dunville Loop
- ☐ Glen Alice
- ☐ Glen Davis
- ☐ Marrangaroo
- ☐ Mount Marsden
- ☐ Palmers Oaky
- ☐ Round Swamp
- ☐ Upper Nile
- ☐ Wolgan Valley/Newnes

Rural South

- ☐ Blackheath
- ☐ Good Forest
- ☐ Hampton
- ☐ Hartley
- ☐ Hartley Vale
- ☐ Kanimbla
- ☐ Little Hartley
- ☐ Lowther
- ☐ Megalong
- ☐ Meadow Flat
- ☐ Mount Lambie
- ☐ Rydal
- ☐ Sodwalls
- ☐ Tarana

Lithgow

- ☐ Bowenfels
- ☐ Cobar Park
- ☐ Ganbenang
- ☐ Hermitage Flat
- ☐ Lithgow
- ☐ Littleton
- ☐ McKellars Park
- ☐ Morts Estate
- ☐ Oaky Park
- ☐ Pottery Estate
- ☐ Sheedys Gully
- ☐ South Bowenfels
- ☐ South Littleton
- ☐ Vale of Clwydd

Wallerawang

- ☐ Lidsdale
- ☐ Wallerawang

Portland

- ☐ Pipers Flat
- ☐ Portland
- ☐ Bradford
- ☐ Sunny Corner

Q1. Thinking of the following types of council asset for each of these could you please indicate which of the following assets are a priority for you, how satisfied you are with the performance of that asset, and whether Council should invest less, the same, or more than they currently spend on/ resource for each. The satisfaction scale is from 1 to 5, where 1 = low satisfaction and 5 = high satisfaction.

	Priority	Satisfaction					Investment*		
		1	2	3	4	5	L	S	M
Local roads – urban sealed	☐	☐	☐	☐	☐	☐	☐	☐	☐
Local roads – rural sealed	☐	☐	☐	☐	☐	☐	☐	☐	☐
Rural roads – unsealed	☐	☐	☐	☐	☐	☐	☐	☐	☐
Bridges	☐	☐	☐	☐	☐	☐	☐	☐	☐
Stormwater Drainage	☐	☐	☐	☐	☐	☐	☐	☐	☐
Footpaths	☐	☐	☐	☐	☐	☐	☐	☐	☐
Playgrounds and parks	☐	☐	☐	☐	☐	☐	☐	☐	☐
Public toilets	☐	☐	☐	☐	☐	☐	☐	☐	☐
Community buildings	☐	☐	☐	☐	☐	☐	☐	☐	☐
Water Network	☐	☐	☐	☐	☐	☐	☐	☐	☐
Sewerage Network	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Investment L= Less S = Same M = More

Description of assets

- Local roads - urban sealed - includes kerb and guttering, line marking, signage, lighting and road drainage
- Local roads - rural sealed - includes line marking, signage and road drainage
- Rural roads – unsealed - includes surface, signage and road drainage edges
- Stormwater Drainage - includes pipes, open channels and pits
- Community buildings - includes recreation facilities, libraries, halls
- Playgrounds and parks - gardens, reserves, sporting facilities, playgrounds and furniture

Q2. In general, how satisfied are you with the performance of Council, and their services, not just on one or two issues but across all responsibility areas? Prompt

- ☐ Very satisfied
- ☐ Satisfied
- ☐ Somewhat satisfied
- ☐ Not very satisfied
- ☐ Not at all satisfied

You should receive the information pack from Council in the next week. Micromex will then call you back to undertake the survey from around next week or so.

**Lithgow Council
Asset Management – Recall
July 2018**

Good morning/afternoon/evening, my name is from Micromex Research – could I speak to [insert name] please?

We spoke to you a week or so ago on behalf of Lithgow Council and you agreed to participate in our research about asset management in the area.

Q51. Have you received the information pack that was specifically sent to you by Council after our earlier phone call?

- ☐ Yes
☐ No **(Request that they check with others to see if it was received and reschedule call-back time)**

Q52. Have you had a chance to read the document?

- ☐ Yes **(Suggest they have it handy to refer to during survey)**
☐ No **(Offer them time to read and reschedule a call-back)**

Q1. Approximately how long would you have spent reading or looking through the information pack? Prompt

Record minutes:

Section 1 – Council's Assets and funding level

Thinking generally about community assets, which include roads, footpaths, bridges, drainage, parks, public buildings, footbridges, etc.:

Q2. Overall, how satisfied are you with the quality of community assets currently provided by Council? Prompt

- ☐ Very satisfied
☐ Satisfied
☐ Somewhat satisfied
☐ Not very satisfied
☐ Not at all satisfied

Council recently completed a comprehensive review of its assets to measure their condition and to determine the level of investment required to maintain and renew the assets.

Sealed roads

Council is responsible for 480km of sealed roads which costs \$1.1 million per year to maintain and renew. Generally, our sealed roads are in an average condition.

Q3a. Thinking about our current spend on sealed roads, do you think Council should be investing... Prompt

- ☐ More
☐ About the same
☐ Less

Unsealed roads

Council currently spends \$1.4 million each year to maintain 421km of unsealed roads in the Local Government Area. Our unsealed roads are mainly classed to be in an average condition overall. Around 20% of unsealed roads in poor condition need additional maintenance and/or renewal to keep them trafficable.

Q3b. Thinking about our current spend on unsealed roads, do you think Council should be investing... Prompt

- ☐ More
☐ About the same
☐ Less

Footpaths

Council currently spends approximately \$37,000 each year to maintain 127km of footpaths. Currently the majority are classed to be in an average condition; however, some footpaths will need additional maintenance and renewal work to ensure they do not deteriorate into a poor and unsafe condition.

Q3c. Thinking about our current spend on footpaths, do you think Council should be investing... Prompt

- ☐ More
☐ About the same
☐ Less

Bridges

The majority of our 32 concrete bridges and 10 wooden bridges are rated as being in a good to average condition. However, 7% of road bridges are rated as poor. Council currently spends approximately \$19,000 per year on these bridges.

Q3d. Thinking about our current spend on bridges, do you think Council should be investing... Prompt

- ☐ More
☐ About the same
☐ Less

Buildings

Council owns and maintains 180 community buildings. The majority of our community buildings are currently in a good to average condition. Council currently spends approximately \$450,000 per annum on building maintenance.

Q3e. Thinking about our current spend on buildings, do you think Council should be investing... Prompt

- ☐ More
☐ About the same
☐ Less

Stormwater drainage

Most of our urban stormwater pipes and pits are rated in poor condition. Additional maintenance and renewal work needs to be undertaken to improve the condition of stormwater drainage assets. Council currently spends approximately \$100,000 per year on stormwater drainage maintenance.

Q3f. Thinking about our current spend on urban road stormwater, do you think Council should be investing... *Prompt*

- ☐ More
- ☐ About the same
- ☐ Less

Parks and open spaces

The majority of our parks and open spaces are in a good condition. Parks rated in fair condition require additional works to facilities such as playgrounds, fencing, park furniture, and sporting assets. We currently spend approximately \$729,000 per annum on maintenance of our park facilities.

Q3g. Thinking about our current spend on park facilities, do you think Council should be investing... *Prompt*

- ☐ More
- ☐ About the same
- ☐ Less

Water network

Council currently spends around \$2 million each year to maintain the water network, which includes 242,671m of water mains with 8,326 consumers connected to potable water. Our water network is mainly classed to be in a good to average condition.

Q3h. Thinking about our current spend on the water network, do you think Council should be investing... *Prompt*

- ☐ More
- ☐ About the same
- ☐ Less

Sewer network

Council currently spends approximately \$1.1 million each year to maintain the sewer network which includes 146,035m of gravity sewer with 30,514m of sewer rising mains and 14,965 sewer trunk mains with 7,715 sewerage service connections to the network. Our sewer network is mainly classed to be in a good to average condition. Sewerage treatment plant upgrades will result in corresponding increases in operation and maintenance costs.

Q3i. Thinking about our current spend on sewer network, do you think Council should be investing... *Prompt*

- ☐ More
- ☐ About the same
- ☐ Less

Section 2 – Funding our future

Council wants to understand from the community how we should prioritise expenditure on our different community asset types. We need a clear direction for future spending based on the community's views on what constitutes an acceptable level of asset conditions.

It is essential that we keep our community assets in a safe working order and they meet community expectations. Based on the most recent condition ratings and the current levels of infrastructure funding, the following asset classes need increased council funding:

- Roads (sealed and unsealed – 10% poor condition)
- Stormwater drainage (mainly in poor condition)
- Buildings (32% poor condition)

Increasing the level of funding for these assets will allow Council to maintain and renew those which are currently in a poor condition. It will also ensure that the number of assets in poor condition does not continue to grow.

Please rate your support of Council's proposed investment position on the following assets.

Transport

Commencing in 2019/20, one option would be for Council to increase its annual maintenance and renewal budget for transport from \$4,188,000 to \$4,913,000. (Transport includes sealed roads, unsealed roads, footpaths/cycle ways, bridges/footbridges, and bus shelters).

Q4a. How supportive are you of this level of additional investment in transport? *Prompt*

- ☐ Very supportive
- ☐ Supportive
- ☐ Somewhat supportive
- ☐ Not very supportive
- ☐ Not at all supportive

Stormwater drainage

Commencing in 2019/20, one option would be for Council to increase its annual maintenance and renewal budget for urban stormwater from \$107,000 to \$207,000.

Q4b. How supportive are you of this level of additional investment in urban stormwater drainage? *Prompt*

- ☐ Very supportive
- ☐ Supportive
- ☐ Somewhat supportive
- ☐ Not very supportive
- ☐ Not at all supportive

Buildings and public amenities

Commencing in 2019/20, one option would be for Council to increase its annual maintenance and renewal budget for buildings and public amenities from \$831,000 to \$1,051,000.

Q4c. How supportive are you of this level of additional investment in buildings and public amenities? Prompt

- ☐ Very supportive
- ☐ Supportive
- ☐ Somewhat supportive
- ☐ Not very supportive
- ☐ Not at all supportive

Q5. Considering the challenges Council faces with ageing infrastructure, which of the following revenue options would you support Council exploring in order to address funding requirements? Prompt

- ☐ Identifying additional organisational improvements which will result in efficiencies
- ☐ Increasing business, residential and farmland rates
- ☐ Increasing Council service charges and fees
- ☐ Reducing service levels across community services such as public libraries, swimming pools, community events, environmental programs and community financial assistance programs
- ☐ Selling off community assets such as land and buildings that are not required to provide key services or those community assets which are duplicated across the Shire
- ☐ Other (specify)
- ☐ None of these

Q6. How important do you believe it is for Council to implement plans and strategies that will maintain and enhance infrastructure and facilities for the Lithgow LGA? Prompt

- ☐ Very important
- ☐ Important
- ☐ Somewhat important
- ☐ Not very important
- ☐ Not at all important

Q7. In general, how satisfied are you with the performance of Council, and their services, not just on one or two issues but across all responsibility areas? Prompt

- ☐ Very satisfied
- ☐ Satisfied
- ☐ Somewhat satisfied
- ☐ Not very satisfied
- ☐ Not at all satisfied

Section 3 – Council's consultation

Q8a. How satisfied are you with this community consultation undertaken by Council? Prompt

- ☐ Very satisfied
- ☐ Satisfied
- ☐ Somewhat satisfied
- ☐ Not very satisfied
- ☐ Not at all satisfied

Q8b. Why do you say that?

.....

Demographics

Finally, some questions about you...

Q9. Which of the following best describes the house where you are currently living? Prompt

- ☐ I/We own/are currently buying this property
- ☐ I/We currently rent this property

Q10. How many years have you lived in the Lithgow Local Government Area? Prompt

- ☐ Less than 6 months
- ☐ 6 months to 2 years
- ☐ 3 – 5 years
- ☐ 6 – 10 years
- ☐ More than 10 years

Q11. Suburb – Import from recruit

Rural North

- ☐ Ben Bullen
- ☐ Blackman's Flat
- ☐ Bogee
- ☐ Capertee
- ☐ Clarence
- ☐ Cullen Bullen
- ☐ Dargan
- ☐ Dunville Loop
- ☐ Glen Alice
- ☐ Glen Davis
- ☐ Marrangaroo
- ☐ Mount Marsden
- ☐ Palmers Oaky
- ☐ Round Swamp
- ☐ Upper Nile
- ☐ Wolgan Valley/Newnes

Rural South

- ☐ Blackheath
- ☐ Good Forest
- ☐ Hampton
- ☐ Hartley
- ☐ Hartley Vale
- ☐ Kanimbla
- ☐ Little Hartley
- ☐ Lowther
- ☐ Megalong
- ☐ Meadow Flat
- ☐ Mount Lambie
- ☐ Rydal
- ☐ Sodwalls
- ☐ Tarana

Lithgow

- ☐ Bowenfels
- ☐ Cobar Park
- ☐ Ganbenang
- ☐ Hermitage Flat
- ☐ Lithgow
- ☐ Littleton
- ☐ McKellars Park
- ☐ Morts Estate
- ☐ Oaky Park
- ☐ Pottery Estate
- ☐ Sheedys Gully
- ☐ South Bowenfels
- ☐ South Littleton
- ☐ Vale of Clwydd

Wallerawang

- ☐ Lidsdale
- ☐ Wallerawang

Portland

- ☐ Pipers Flat
- ☐ Portland
- ☐ Bradford
- ☐ Sunny Corner

Q12a. Would you like to be informed about the outcomes of this consultation?

- ☐ Yes
- ☐ No

Q12b. If yes, please provide an email address:

.....

Thank you for your time and assistance. This market research is carried out in compliance with the Privacy Act, and the information you provided will be used only for research purposes. Just to remind you, I am calling from Micromex Research on behalf of Lithgow Council.



Telephone: (02) 4352 2388
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Email: stu@micromex.com.au



Minutes

Traffic Advisory Local Committee
19th July 2018

ITEM 1: PRESENT AND APOLOGIES

PRESENT: Stephen Leslie (Council), Jackie Barry (RMS), Sharon Grierson (RMS)

APOLOGIES: Michelle McGrath (Lithgow Buslines)

OFFICERS: Elias Shirt

DECLARATION OF INTERESTS: Nil

ITEM 2: CONFIRMATION OF MINUTES FROM PREVIOUS MEETING

RECOMMENDATION

THAT the Minutes of the meetings of 15th March 2018 be taken as read and confirmed.

Moved: Council

Second: RMS

ITEM 3: CHANGES TO TRAFFIC MANAGEMENT ON CAROLINE AVENUE & STEWART STREET – HUNGRY JACKS DEVELOPMENT

As conditions of consent associated with a development for Hungry Jacks on the corner of the Great Western Highway, Caroline Avenue and Stewart Street, a number of adjustments to traffic management are proposed. These changes require consultation with the Traffic Committee and a resolution of Council.

Proposed changes to traffic management:

Caroline Avenue

- Installation of RMS R5-400 'No Stopping' signage from the intersection with the Great Western Highway to the intersection with Stewart Street on both sides of Caroline Avenue
- Construction of new median strip on Caroline Avenue to prevent RH turns into and from the new Hungry Jacks driveway
- Updated line marking on Caroline Avenue on approach to the intersection delineating the turn lanes at the TCS.

Stewart Street

- Installation of RMS R5-400 'No Stopping' signage from the intersection with Caroline Avenue to the Southern end of the development on both sides of Stewart Street
- Installation of a Stop sign (RMS Sign R1-1 'Stop') with associated line marking at the intersection of Stewart Street with Caroline Avenue. This proposal was discussed

by the Committee and it was determined that a give-way sign was more appropriate as the warrants for stop signs are not met.

Pleased find attached civil drawings showing the proposed installations.

A number of other traffic management changes are also proposed however as they are on the Great Western Highway they are outside of the delegation of Council/TALC.

FINANCIAL IMPLICATIONS

- **Budget approved** – N/A
- **Cost centre** – N/A
- **Expended to date** – N/A
- **Future potential impact** – N/A

RECOMMENDATION

THAT Council

1. Approves the Installation of RMS Sign R5-400 'No Stopping' signage from the intersection with the Great Western Highway to the intersection with Stewart Street on both sides of Caroline Avenue
2. Approves the Construction of a new median strip on Caroline Avenue to prevent RH turns into and from the new Hungry Jacks driveway. Keep left signage and line marking are to be installed with the median in accordance with the relevant RMS technical direction.
3. Approves updated line marking on Caroline Avenue on approach to the intersection delineating the turn lanes at the TCS.
4. Approves the installation of RMS Sign R5-400 'No Stopping' signage from the intersection with Caroline Avenue to the southern end of the development on both sides of Stewart Street
5. Approves the installation of a Give Way sign (RMS Sign R1-2 'Give Way') with associated line marking at the intersection of Stewart Street with Caroline Avenue

Moved: Council

Second: RMS

ITEM 5: GENERAL BUSINESS

The following items were discussed in general business.

1. Lithgow CBD Revitalisation: Main St/Eskbank St intersection - Bus movements
2. Blue Mountains Grammar Charity Walk
3. Pedestrian Movement at Young Street / Sandford Avenue intersection

4. Bayonet Street Traffic Signals
5. Clarence / Zig Zag Railway Intersection - pedestrian signage

Minutes

Operations Committee

6th August 2018

4.00pm

Operations Committee	
Item Number	Agenda
1	Welcome/Present/Apologies
2	Confirmation of Minutes
3	Declaration of Interests
4	Business Arising From The Minutes
5	Cullen Bullen Sewerage Scheme - Update
6	CBD Revitalisation Project - Update
7	Portland Sewerage Treatment Plant - Update
8	Drought Management
9	Integrated Water Cycle Management Strategy
10	Water & Sewer Mains Renewal
8	General Business
9	Next Meeting

ITEM 1: PRESENT AND APOLOGIES

PRESENT: Cllr S Lesslie, Cllr W McAndrew, G Faulkner, Cllr S Ring, Cllr R Thompson

APOLOGIES: NIL

OFFICERS: E Shirt, D Buckens, E Trudgett

ITEM 2: CONFIRMATION OF MINUTES FROM THE PREVIOUS MEETING

The minutes were presented to Council on 25th June 2018.

ACTION

THAT the Minutes of the meeting of 4th June 2018 be noted.

MOVED: Cllr S Ring

SECONDED: G Faulkner

ITEM 3: DECLARATION OF INTERESTS

NIL

ITEM 4: BUSINESS ARISING FROM THE MINUTES

Lockyer Street – pump and pipework received, to be installed. Council to advise resident of progress.

Curtin Place – Smoke testing has been completed for a second time and has shown improved results with regard to the manhole surcharging.

Barrack Street – further information to be provided in regards to the stormwater drain surcharging into a residential property by Council staff at the next Operations Meeting.

ITEM 5: CULLEN BULLEN SEWERAGE SCHEME - UPDATE

SUMMARY

An Expression of Interest process has recently been completed as per Council's Tendering Policy. A number of responses were received from consultants which were assessed by an evaluation panel determining the suitability and capacity to complete the concept design for the scheme. Following this a report will be submitted to the August Council meeting seeking resolution to invite tenders from select organisations

as a result from the EOI. A Media Release is to be organised in October for the Cullen Bullen Community.

FINANCIAL IMPLICATIONS

- **Budget approved** - Yes
- **Cost centre** - 300034
- **Expended to date** - Nil
- **Future potential impact** – this project will service the Cullen Bullen community through a reticulated sewerage network.

ACTION/RECOMMENDATION

THAT Council note the update of the Cullen Bullen Sewerage Scheme.

MOVED: G Faulkner

SECONDED: Cllr S Lesslie

ITEM 6: CBD REVITALISATION PROJECT - UPDATE

SUMMARY

The attached report is to provide an update on the progress of the Main Street Revitalisation Stage 1 project as well as contract variations to date and the state of the budget.

Update to be provided on the work envisaged for Stage 2 at the August meeting.

FINANCIAL IMPLICATIONS

- **Budget approved** - \$2,899,000.00
- **Cost centre** – PJ100007
- **Expended to date** - \$2,765,254.78
- **Future potential impact** – Lithgow CBD Revitalisation Stage 2 budget to be utilized for finalization of Stage 1.

ACTION/RECOMMENDATION

THAT

1. Council note the report on variations effected to date and current state of budget; and
2. An update to be provided on the full extent of work and costings for Stage 2 of the Lithgow CBD Revitalisation to be presented at the September Operations Meeting.

MOVED: Cllr S Ring

SECONDED: G Faulkner

ITEM 7: PORTLAND SEWERAGE TREATMENT PLANT - UPDATE

SUMMARY

The augmentation of the Sewerage Treatment Plant is currently delayed by 4-6 weeks for the completion of works. Final water retaining structures are currently being tested for compliance with specification and Australian standards with any rectifications as a result of the testing to be completed immediately. Internal roads are being finalised with final site works dependent on the successful completion of the testing of the water retaining structures.

FINANCIAL IMPLICATIONS

- **Budget approved** - Yes
- **Cost centre** - 300014
- **Expended to date** - \$8,740,270.00
- **Future potential impact** – this will improve the treatment process to a tertiary level in the Portland Sewer Scheme.

ACTION/RECOMMENDATION

THAT Council note the update regarding the Portland Sewerage Treatment Plant.

MOVED: Clr S Lesslie

SECONDED: Clr S Ring

ITEM 8: DROUGHT MANAGEMENT PLAN

SUMMARY

Please see attached Drought Management Plan for information and discussion.

As part of the Best Practice requirements there is no longer a need to have a separate Drought Management Plan but that Council adopt their drought management strategies within the Integrated Water Cycle Management Strategy. Given the IWCM is currently being reviewed it's timely that Council establish its position for future drought planning.

Council will be reviewing the Drought Management Plan as part of the work being undertaken through the IWCM Planning process.

Update to be brought to each Operations Committee Meeting.

FINANCIAL IMPLICATIONS

- **Budget approved** – N/A
- **Cost centre** – N/A
- **Expended to date** – N/A
- **Future potential impact** – N/A

ACTION/RECOMMENDATION

THAT

1. Council note the information regarding the Drought Management Plan; and
2. That the Operations Committee recommend the review of the Drought Management Plan to continue and be maintained as a separate document or as an appendix to the IWCM.

MOVED: Cllr S Lesslie

SECONDED: G Faulkner

ITEM 9: INTEGRATED WATER CYCLE MANAGEMENT STRATEGY

SUMMARY

The 30 year IWCM Strategy ensures that any necessary capital works project are appropriately sized and is essential for the provision of appropriate, affordable, cost-effective urban water services that meet community needs and protect public health and the environment. A water utility's 30-year IWCM Strategy, developed using a transparent evidence based analysis in accordance with the IWCM Check List, identifies the integrated water supply, sewerage and stormwater scenario that provides the best value for money on the triple bottom line (TBL) basis of social, environmental and economic considerations.

The first of the PRG Workshops was held in June which identified a number of issues. The consultant has reviewed the issues and a further meeting is being held with Council's Technical staff Thursday, 9 August 2018.

Council will be unable to return to the 75% access - 25% usage charges, whilst Fish River charges were adjusted to 80% access - 20% usage as per the June 2017 IPART determination.

FINANCIAL IMPLICATIONS

- **Budget approved – N/A**
- **Cost centre – N/A**
- **Expended to date – N/A**
- **Future potential impact – N/A**

ACTION/RECOMMENDATION

THAT

1. Council note the information regarding the Integrated Water Cycle Management Strategy; and
2. Council request a projected timeline for the completion date of the IWCM plan for the next Operations Committee Meeting.

MOVED: Cllr S Lesslie

SECONDED: Cllr R Thompson

ITEM 10: WATER & SEWER MAINS RENEWAL

SUMMARY

Preliminary works are being undertaken in preparation for water mains renewal which are to occur within the rail corridor. Council has programmed these works to occur during a programmed rail closure being undertaken by the rail authority in September. These works will be followed by the Bridge Street Mains Renewal which will extend on the aforementioned works.

Tenders are currently being called to undertake Sewer Mains relining within the Tweed Mills Sewerage Catchment Area. The area has historically had problems with infiltration of ground water into the sewerage reticulation causing overloading of the system, the renewal of mains throughout this area will remove the infiltration and allow the sewerage system to better operate to its capacity.

FINANCIAL IMPLICATIONS

- **Budget approved** - Yes
- **Cost centre** – 200015 & 300004
- **Expended to date** - Nil
- **Future potential impact** – remove infiltration of ground water to the sewer.

ACTION/RECOMMENDATION

THAT Council note the information regarding the Water and Sewer Mains Renewals.

MOVED: Clr S Ring

SECONDED: Clr S Lesslie

ITEM 11: GENERAL BUSINESS

SUMMARY

Update on Wallerawang Pedestrian Refuge

Lighting designs have been received, update to be sent via email to all Councillors.

Marrangaroo Flooding

Update to be sent out via email to all Councillors.

Main Street - Loading & Restricted Area parking

Council to provide information on parking projects at next Operations Committee Meeting.

Franks Place, Hartley

Correspondence received regarding quality of road.

Stockyard Lane - Section 94 Contributions

Waste services are still declining to use this road, further information to be provided by General Manager following investigation.

ACTION/RECOMMENDATION

THAT appropriate actions and reporting be undertaken in relation to the items raised during general business

MOVED: Clr S Ring

SECONDED: Clr R Thompson

ITEM 12: NEXT MEETING:

Next Meeting: Monday, 3rd September 2018 at 4:00pm
Committee Room, Administration Building,

There being no further business the meeting closed at 5.25pm

DRAFT

Minutes

Sports Advisory Committee

8th August 2018
4.00pm

Operations Committee	
Item Number	Agenda
1	Welcome/Present/Apologies
2	Confirmation of Minutes
3	Business Arising From The Minutes
4	Financial Assistance Requests
5	2018 LJ Hooker Reg Cowden Sports Star of the Year Awards
6	Booking Requests
7	New Member
8	General Business
9	Next Meeting

MINUTES – SPORTS ADVISORY COMMITTEE – 08/08/18



ITEM: 1 PRESENT AND APOLOGIES

PRESENT: Clr D Goodwin, G Ryan, S Morris, G Healey, A Magus, M Wren, R Marjoram, T Crook, R Whitty, D Whitty, L Kearney

APOLOGIES: Clr J Smith, P Wells, P Evans

OFFICERS: E Trudgett, E Shirt, T Fitzpatrick

DECLARATION OF INTERESTS: NIL

ITEM: 2 CONFIRMATION OF MINUTES FROM THE PREVIOUS MEETING

The minutes were presented to Council on 23rd July 2018.

ACTION

THAT the Minutes of the meeting of 11th July 2018 be noted.

MOVED: M Wren

SECONDED: L Kearney

ITEM: 3 BUSINESS ARISING FROM THE MINUTES

NIL

ITEM: 4 FINANCIAL ASSISTANCE REQUESTS

SUMMARY

There were no complying financial assistance requests received in July 2018.

ACTION/RECOMMENDATION

THAT the information regarding financial assistance be noted.

MOVED: S Morris

SECONDED: C Healey

ITEM: 5 2018 LJ HOOKER REG COWDEN MEMORIAL SPORTS

SUMMARY

Junior nominations for the month of July 2018 were received from:

- Lithgow Under 12s State Age Team (Netball) – The Lithgow Under 12s State Age Team competed in Division 4 of the NSW Netball State Age Championships held 7-9 July 2018 in Concord. The team finished 7th from 18 teams, playing 17 games during the 3 day championship with 10 wins, 6 losses and 1 draw.
- Lithgow Under 13s State Age Team (Netball) – The Lithgow Under 13s State Age Team competed in Division 4 of the NSW Netball State Age Championships held 7-9 July 2018 in Concord. The team finished 3rd from 19 teams, playing 18 games during the 3 day championship with 13 wins, 4 losses and 1 draw.

There were no written Senior nominations for the month of July 2018 received.

MONTH	JUNIOR RECIPIENT(S)	SENIOR RECIPIENT(S)
December/January	Emily Watts (Cycling)	Lachlan Sharp (Hockey)
February	No Nominations Received	Jaidyn Goodwin (Basketball)
March	Lucy Green (Tennis) Lithgow Lightning (Cricket) – Team Winner	No Nominations Received
April	No Nominations Received	David Palmer (Squash)
May	No Nominations Received	Lithgow Workmen's Valley Women's Bowling Club
June	Alex Evans (Swimming)	Roxsanne Van Veen (Cricket)
July	Under 12s State Age Team (Netball) Under 13s State Age Team (Netball) Joint Team Winners	No Nominations Received
August		
September		
October		
November		

ACTION/RECOMMENDATION

THAT

1. The LJ Hooker Reg Cowden Memorial Junior Sports Star of the Year Award for July 2018 be awarded to the Under 12s State Age Netball Team and the Under 13s State Age Netball Team as Joint Team Winners;
2. The LJ Hooker Reg Cowden Memorial Senior Sports Star of the Year Award for February 2018 be awarded Jaidyn Goodwin.

MOVED: S Morris

SECONDED: C Healey

ITEM: 6 BOOKING REQUESTS**SUMMARY**

The following bookings were received between 11th July 2018 and 8th August 2018, and do not conflict with any other approved bookings.

Tony Luchetti Sportsground, Lithgow			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Country Rugby League	Times to be advised. Saturday, 2 nd February OR 16 th February 2019 and Saturday, 16 th March 2019.	Rugby League Country Championship	Approved subject to agreement with Lithgow District Cricket Association.
Marjorie Jackson Oval, Lithgow			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Zig Zag Oval, Lithgow			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Conran Oval, Lithgow			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Saville Park, Portland			
User	Dates / Times	Purpose	Comments

Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Glanmire Oval, Lithgow			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Watsford Oval, Lithgow			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Wallerawang Oval, Wallerawang			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.
Wallerawang Public School	Between 12pm and 3pm on Friday, 17 th August 2018.	Boys & Girls Touch Football	Approved subject to standard condition.
Kremer Park, Portland			
User	Dates / Times	Purpose	Comments
Lithgow District Cricket Association	Between 3pm-7pm Monday to Friday and 7am-7pm and Saturdays and Sundays from 1 st October 2018 to 1 st April 2019.	LDCA 2018/19 Season Competition & Training Juniors & Seniors	Approved subject to standard condition, pending draw.

CANCELLATIONS

NIL

ACTION

THAT

1. All bookings detailed in Item 7 be approved, pending Rugby and Cricket enter into negotiations regarding the Country Championship booking.

MOVED: R Whitty

SECONDED: D Whitty

ITEM 7: NEW MEMBERS

SUMMARY

- Correspondence has been received from Lithgow District Cricket Association Inc. advising of a change in Sports Advisory Committee delegates, being Todd Crook as secondary delegate.

FINANCIAL IMPLICATIONS

- **Budget approved – N/A**
- **Cost centre – N/A**
- **Expended to date – N/A**
- **Future potential impact – N/A**

RECOMMENDATION

THAT Council accept Todd Crook as the secondary Sports Advisory Committee representative from Lithgow District Cricket Association.

MOVED: L Kearney

SECONDED: R Marjoram

ITEM 8: GENERAL BUSINESS

SUMMARY

- **Drugs and Alcohol Talk**

It was advised that a representative will be coming to discuss the options and support available for those affected by drugs or alcohol - apology.

- **Child Protection Act**

The Child Protection Act has been extended and all sporting bodies should make their clubs aware of the change.

- **Tony Luchetti Showground – Wicket Use**

A request was received to enable the use of Turf 2 at Tony Luchetti Showground as a training wicket. A member of cricket has volunteered to help with the maintenance and upkeep of the wicket. Council will review the request and advise cricket delegates once a decision has been reached. Council is to investigate improving the quality of the cricket facilities. The creation of roster is to be investigated to enable the use of all wickets at Tony Luchetti Showground.

- **Little Athletics**

It was advised that the Athletics competition will commence in October after school holidays.

A grant has been received for a synthetic take off area and concrete high jump slab to be installed at Jim Monaghan Oval.

- **Appreciation**

Appreciation was extended for Council's quick response to fix the hot water system.

Appreciation was extended for the new garbage bin supplied.

- **Glanmire Oval**

A safety issue was raised regarding the new path that has been installed at Glanmire Oval, Lithgow. It was discussed that if someone is injured during a cricket game, who is to be held responsible. Council is to investigate the matter and advise the Cricket Association.

- **Jail Sporting Field**

It was raised if the jail sporting field can be used in case of emergencies as an extra playing field. Council advised that although this area is marked for Community Use it is owned by the jail, and is not a Council owned asset.

FINANCIAL IMPLICATIONS

- **Budget approved – N/A**
- **Cost centre – N/A**
- **Expended to date – N/A**
- **Future potential impact – N/A**

ACTION

THAT appropriate actions and reporting be undertaken in relation to the items raised during general business.

MOVED: P Glasson

SECONDED: S Morris

ITEM 9: NEXT MEETING:

Next Meeting: Wednesday, 12th September 2018 at 5:00pm
Council Chambers, Administration Building
180 Mort Street LITHGOW NSW 2790

There being no further business the meeting closed at 5.45pm



Minutes

Finance Committee 13 August 2018 4:45 p.m.

Name of Committee	
Item Number	Agenda
1	Welcome/present/ apologies
2	Confirmation of Minutes – July Meeting
3	Finance Update – 2017/18 EOFY, Service Review Project
4	2017/18 Carryover / Revotes
5	Audit Plan – Key Dates
6	Interim Audit Management Letter
7	ICAC Scholarship
8	July Performance Reporting to OLG
9	July 2018 Investment Report
10	August Council Meeting – Review of Finance & Assets Reports
11	Audit Action List

12	General Business
13	Next meeting – September 2018

MINUTES – FINANCE COMMITTEE – 13 AUGUST 20018



ITEM: 1 PRESENT AND APOLOGIES

PRESENT: Cr W McAndrew, Cr S Ring, Cr S Lesslie

APOLOGIES: Cr R Thompson

MOVED: Cr McAndrew

SECONDED: Cr Ring

OFFICERS: Graeme Faulkner, Ross Gurney, Andrew Muir, Trinity Newton

DECLARATION OF INTERESTS: Nil

ITEM: 2 CONFIRMATION OF MINUTES FROM THE PREVIOUS MEETING

The minutes of the Finance Committee Meeting held on 9 July 2018 were endorsed by Council on 23 July 2018 - Minute No. 18-204.

The endorsement of the minutes was noted by the Committee.

ITEM: 3 FINANCE UPDATE – 2017/18 EOFY, SERVICE REVIEW PROJECT

SUMMARY

The CFIO provided an update on progress towards completing the 2017/18 financial statements. The target is to complete a draft set of financial statements by 31 August 2018. The external auditors require the draft financial statements and working papers by 10 September 2018.

The CFIO presented the project plan for the Service Review Project. The Service Review Project facilitator will present to the Councillor Information session on 20 August 2018.

ACTION/RECOMMENDATION

THAT the information be received and noted by the committee.

MOVED: Cr Ring

SECONDED: Cr McAndrew

ITEM: 4 2017/18 CARRYOVER / REVOTES RECOMMENDATIONS

SUMMARY

The Committee reviewed and discussed the information in the attachment tabled regarding 2017/18 carryovers and revotes.

The Committee reviewed the recommendations of the August carryovers / revotes Council report

ACTION/RECOMMENDATION

THAT the information in the report be noted by the committee and that the carryover / revote report will be put to the August Council meeting.

MOVED: Graeme Faulkner

SECONDED: Cr Ring

ITEM: 5 AUDIT PLAN – KEY DATES

SUMMARY

The CFIO presented the key dates from the external Audit Client Service Plan. The key dates will be tabled at each Finance Committee meeting until the financial statements project is completed. It was noted that the Interim Audit Management Letter was not provided on the agreed date (4 June 2018) and was only finalised on 6 August 2018.

ACTION/RECOMMENDATION

THAT the committee receive and note the information.

MOVED: Cr Lesslie

SECONDED: Cr McAndrew

ITEM: 6 INTERIM AUDIT MANAGEMENT LETTER

SUMMARY

The Committee reviewed the Interim Audit Management Letter and the Audit Action list 2018/19.

ACTION/RECOMMENDATION

THAT the information in the Interim Audit management letter and Action list be received and noted.

MOVED: Cr Lesslie

SECONDED: Cr McAndrew

ITEM: 7 ICAC SCHOLARSHIP

SUMMARY

To inform the Committee that Ross Gurney has been awarded a scholarship to attend the ICAC Strategic Responses to Corruption course.

The Committee was informed that this will coincide with the September Finance Committee meeting which may be deferred.

ACTION/RECOMMENDATION

THAT the committee note the information provided and congratulate Mr Gurney on his success.

MOVED: Cr Ring

SECONDED: Cr McAndrew

ITEM: 8 JULY PERFORMANCE REPORTING TO OLG

SUMMARY

The Committee discussed the report supplied to OLG and noted that there are now 30 items complete and only 7 items to be finalised.

ACTION/RECOMMENDATION

THAT the committee note the July Performance Reporting to Office of Local Government.

MOVED: Graeme Faulkner

SECONDED: Cr Ring

ITEM: 9 JULY 2018 INVESTMENT REPORT

SUMMARY

The Committee reviewed the July 2018 Investment Report. The decrease in the investments balance due to July cash outflows and receipt of interest income were noted.

ACTION/RECOMMENDATION

THAT the Committee endorse the July 2018 Investment Report recommendations:

THAT

1. Investments of \$29,840,000 and cash of \$205,584.59 for the period ending 31 July 2018 be noted.
2. The enclosed certificate of the Responsible Accounting Officer be noted.

MOVED: Graeme Faulkner

SECONDED: Cr McAndrew

ITEM: 10 AUGUST COUNCIL MEETING – REVIEW OF FINANCE & ASSETS REPORTS

SUMMARY

The following reports being presented to the Council meeting by Finance and Assets were discussed and endorsed for approval at the Council meeting on 27 August 2018.

Referral of the Financial Reports for External Audit

THAT Council refers the draft 2017/18 General Purpose and Special Purpose Financial Reports for audit in accordance with S413 of the Local Government Act 1993.

MOVED: Cr McAndrew

SECONDED: Cr Ring

Local Government Remuneration Tribunal Determination

THAT Council:

1. Set the remuneration in 2018/19 for Councillors at \$10,848.00 (2.5% increase on 2017/18).
2. Set the remuneration in 2018/19 for the Mayor at \$22,972.00 (2.5% increase on 2017/18).
3. Set the 2018/2019 car lease payable by the Mayor at Nil.

MOVED: Graeme Faulkner

SECONDED: Cr McAndrew

Bequest to Crystal Theatre Portland

THAT Council:

1. Note the bequest of the late James Leslie Hudson to the Crystal Theatre; and
2. Authorise the placement of the bequest amount in an internally restricted reserve until a suitable capital renewal, upgrade or new works project at the Crystal Theatre is identified.

MOVED: Cr McAndrew

SECONDED: Cr Lesslie

Confidential Report - EOI Cullen Bullen Sewer Scheme

THAT the Confidential Report - EOI Cullen Bullen Sewer Scheme be put to the August Council meeting for consideration.

MOVED: Cr McAndrew

SECONDED: Cr Lesslie

ITEM: 11 AUDIT ACTION LIST

SUMMARY

The Audit Action List was discussed. The 2017/18 audit actions have been completed but some improvement actions will be ongoing into 2018/19. The seven 2018/19 interim audit management letter actions have been included in a 2018/19 Audit Action list.

ACTION/RECOMMENDATION

THAT the committee note progress towards completing the audit actions.

MOVED: Graeme Faulkner

SECONDED: Cr Lesslie

ITEM 12: GENERAL BUSINESS

SUMMARY

There was nil business raised.

ITEM 14: NEXT MEETING

The September meeting was deferred until the October Meeting date. The CFIO will distribute preliminary financial results to the Committee as soon as they are available.

RECOMMENDATION

THAT if there is a need for a Finance meeting prior to the October meeting, the General Manager be delegated to convene a meeting.

MOVED: Cr McAndrew

SECONDED: Cr Lesslie

Next Meeting: Monday 8 October 2018 at 4:30 pm
The Committee Room

There being no further business the meeting closed at 5:38pm



MINUTES

Finance Committee

9 July 2018

4:30 p.m.

Name of Committee	
Item Number	Agenda
1	Welcome/present/ apologies
2	Confirmation of Minutes – June Meeting
3	Finance Update – EOFY, SRV
4	June Performance Reporting to OLG
5	Review of Insurance Arrangements
6	Central Tablelands Alliance Audit Committee – June meeting
7	External Audit – Fraud Questionnaire – Governance Section
8	June 2018 Investment Report
9	July Council Meeting – Review of Finance and Assets Reports
10	Audit Action List
11	General Business
12	Next Meeting – 13 August 2018

MINUTES – FINANCE COMMITTEE MEETING – 9 JULY 2018



ITEM: 1 PRESENT AND APOLOGIES

PRESENT: Councillor R Thompson (Chair), Councillor Stephen Lesslie, Councillor Steven Ring, Councillor Wayne McAndrew (4.57pm)

APOLOGIES: NIL

OFFICERS: Graeme Faulkner- General Manager, Ross Gurney - Chief Financial & Information Officer, Michael McGrath – Executive Manager People & Services, Andrew Muir – Director Economic Development and Environment, Rhiannan Whiteley - Minutes.

DECLARATION OF INTERESTS: Nil

ITEM: 2 CONFIRMATION OF MINUTES FROM THE PREVIOUS MEETING

The minutes of the Finance Committee Meeting held on 13 June 2018 were endorsed by Council on 25 June 2018 with the resolution number 18-172.

MOVED: Councillor S Ring

SECONDED: Graeme Faulkner

ITEM: 3 FINANCE UPDATE – EOFY, SRV

CFIO provided a verbal report to the committee. Finance are currently working on EOY processes and it is too early to report on the 18/19 year.

CFIO advised he would present a preliminary 2017/18 report to the next meeting.

Consultation on the Special Rate Variation has commenced with a survey being conducted throughout the LGA.

Operational carryovers / revotes need to be kept to a minimum to maintain budgetary controls for the 2018/19 year. Councillor Ring asked what processes were in place throughout the year to monitor progress towards completing projects and spending budgeted funds. General Manager advised that EMT/CMT reported on operational expenditure throughout the year.

The Capital and Operational carryovers/ revotes will be considered by EMT and then put to Council in August or September.

Councillor Ring made enquiries about early close practices. CFIO advised that Local Government is not required to do this, however it may change with the switch to the NSW Audit Office. Council has completed its revaluations early and Council is in a much better position this EOFY for the auditors to sign off than we have in the past.

ACTION

THAT the above information be noted.

MOVED: Councillor S Ring

SECONDED: Councillor S Lesslie

ITEM: 4 JUNE PERFORMANCE REPORTING TO OLG

SUMMARY

Six new Engagement Officers have been appointed to the OLG. Lithgow's OLG officer (Karen Purser) will be meeting with the General Manager on Wednesday 11 July. General Manager will discuss ongoing reporting requirements.

The report was noted by the Committee

MOVED: Councillor S Ring

SECONDED: Councillor S Lesslie

ITEM: 5 REVIEW OF INSURANCE ARRANGEMENTS

SUMMARY

The committee were advised that Civic Risk Mutual had provided a list of risk management improvement recommendations to Council. An action list has been prepared with timeframes for implementation. If Council were to join Civic Risk Mutual, there is an expectation that Council would address each recommendation (action is already underway).

Council has obtained a \$189,000 2018/19 budget saving from amending Council's premium excesses.

General Manager advised that Council has joined Civic Risk as associate members without voting rights but at no cost to council at this stage. The General Manager has notified Statewide that Council intends to resign from the mutual on 30 June 2019.

Once Council has worked through insurance plans for next financial year, a report will be put to Council.

The information in the report was noted by the committee.

MOVED: Councillor S Lesslie

SECONDED: Councillor S Ring

ITEM: 6 CENTRAL TABLELANDS ALLIANCE AUDIT COMMITTEE – JUNE MEETING

SUMMARY

CFIO advised that the first meeting of the Audit Committee with Oberon Council took place on 22 June 2018. There are three independent members and five voting

members in total. Rob Campbell, an independent Chartered accountant from Orange is the Committee's chairperson.

This meeting focused primarily on the Charter and its customisation. The Committee agreed that it be made clear in the Charter that the power to make final decisions remains with each Council and not with the Audit Committee. Additionally, that issues affecting individual councils remain independent and confidential as necessary. The Audit committee must operate within each Council's budget. The Audit committee expects that each Council will conduct a high risk internal audit program in 2018/19 – within the budget allocation for the Committee in the 2018/19 budget.

The General Manager has recommended that we approach the process with due care to ensure that it meets Council's needs.

The establishment of this committee meets the expectations of the OLG and finalises a Financial Management Maturity Assessment action.

CFIO attended Centroc meeting last week and advised they are looking at a regional approach to internal audit.

MOVED: Councillor S Lesslie

SECONDED: Graeme Faulkner

ITEM 7: EXTERNAL AUDIT – FRAUD QUESTIONNAIRE – GOVERNANCE SECTION

SUMMARY

The Auditors have requested that a Fraud Questionnaire be signed off annually. The Governance section of the questionnaire is required to be signed off by the Mayor, General Manager requested that the Responsible Accounting Officer co-sign.

CFIO to follow-up Crowe Horwath for the Interim Audit Management letter, which has not been received on time. Any issues relating to missed deadlines are to be referred to the Audit Office for resolution.

MOVED: Councillor S Ring

SECONDED: Graeme Faulkner

ITEM 8: JUNE 2018 INVESTMENT REPORT

The June 2018 Investment Report has not been finalised and will be presented to the July Council meeting.

ITEM 9: JULY COUNCIL MEETING – REVIEW OF FINANCE & ASSETS REPORTS

SUMMARY

The following report being presented to the Council meeting by Finance and Assets was discussed and recommended for approval at the Council meeting on 23 July 2018.

ACTION/RECOMMENDATION

Audit Committee Meeting Minutes 22 June 2018

FINANCIAL IMPLICATIONS

- Budget approved – N/A
- Cost centre – N/A
- Expended to date – N/A
- Future potential impact – N/A

THAT Council

1. Note the CTA Audit Committee June meeting minutes; and
2. Endorse the amended CTA Audit Committee Charter.

MOVED: Councillor S Ring

SECONDED: Graeme Faulkner

ITEM 10: AUDIT ACTION LIST

CFIO provided an update of the Audit Action List with all 2017/18 actions completed.

The Auditors have accepted completion of the 2017/18 audit actions. There are some ongoing actions.

Finance Committee congratulated Finance team on their efforts.

MOVED: Councillor S Ring

SECONDED: Councillor S Lesslie

ITEM 11: GENERAL BUSINESS

1. Councillor R Thompson –

Enquired as to whether the Workmen's Club had made a submission regarding assistance with their water account.

A meeting has taken place with members from Workmen's Club and Council staff. A submission has not been received.

2. Councillor Lesslie –

Enquired about an email he had received from a resident at South Bowenfels in relation to an invoice for Water connection fee. General Manager advised he would provide a response to the resident.

3. Councillor McAndrew –

Raised concerns with the amount of complaints and requests for assistance in relation to water rates. He suggested that the amount of requests for assistance has increased dramatically over the past 12-18 months.

It was suggested that a communication exercise occur to better inform rate payers about these increases.

Committee requested a report comparing what other councils charge for water.

ITEM 12: NEXT MEETING

Next Meeting: 13 August 2018 at 4:30 pm
The Committee Room

There being no further business the meeting closed at 5.14pm.

FINANCE UPDATE – AUGUST 2018

2017/18 Financial Statements

- The target is to complete a draft set of financial statements by 31 August 2018
- The external auditors require the draft financial statements and working papers by 10 September 2018
- Tasks yet to be completed include:
 - Final accrual entries
 - Final internal income entries (Water & Wastewater)
 - Checking / confirmation of capital vs operating costs (i.e. confirming whether works are maintenance or renewal)
 - Employee leave entitlement entries
 - Finalising asset capitalisation (i.e. confirming completion of projects and transferring from Works in Progress to the asset classes)

Lithgow City Council

Service Review Project Plan

Project Stage	Proposed activities	Time Allocation
Project planning meeting(s)	• Meeting with council exec • Meeting(s) with SR co-ordination team • Councillor briefing • Preparatory activities	3 days
Engagement planning meeting(s)	• Meetings with SR co-ordination team to plan engagement activities and logistics • MANEX briefing to outline purpose and anticipated outcomes of engagement activities	3 days
Engagement activities	• Community Reference Panel meetings • Staff briefing (JCC) • Preparatory activities	4 days
Data collation and analysis	• Data collation • Data analysis workshop - MANEX	3 days
Action planning	• Workshop(s) to develop organisational plan in response to engagement outcomes • Preparatory activities	3 days
Feedback sessions	• Key staff briefings re action plan • Councillor workshop re action plan • Preparatory activities	2 days
TOTAL		19 days

General Purpose and Special Purpose Financial Statements

The audit timetable, designed to meet the statutory financial reporting requirements, has been discussed and agreed with your Chief Financial and Information Officer.

Event	Date(s)
Engagement Manager emails Client Assistance Schedule to Chief Financial and Information Officer	April 2018
Engagement Manager attends Audit and Risk Committee meeting	May 2018
Audit team on site for interim audit visit	9–11 May 2018
Council due to provide bank account details (e.g. current accounts, interest bearing deposits, overdraft accounts, promissory notes, etc.) to confirm via Confirmation.com	31 May 2018
Audit Office issues management letter detailing matters from the interim audit	4 June 2018
Council's authorised bank signatory receives and approves a systems generated email from systems.administrator@confirmation.com.au authorising the release of all bank account information to the audit team	30 June 2018
Council drafts confirmation requests for related party disclosures	30 June 2018
Council drafts and gives Confirmation Certificate(s) and associated Request Letter(s) to audit team for posting (e.g. bank confirmation)	30 June 2018
Council returns signed 'Letter of Enquiry to Legal Counsel' to the audit team for posting (sample available on the Audit Office website: http://www.audit.nsw.gov.au/Publications/Client-Service-Resource)	30 June 2018
- Council provides financial statements and supporting working papers listed in Client Assistance Schedule to the Engagement Manager for the: - General Purpose Financial Statements - Special Purpose Financial Statements (Declared Business Activities and Special Schedule No.2 'Permissible Income Calculation')	10 September 2018
Audit team on site for final audit visit	17–21 September 2018
Council's solicitors submit response to 'Letter(s) of Enquiry to Legal Counsel' to audit team	17 September 2018
Audit clearance meeting	5 October 2018
- Audit Office issues Client Service Report for the: - General Purpose Financial Statements - Special Purpose Financial Statements (Declared Business Activities and Special Schedule No.2 'Permissible Income Calculation')	12 October 2018
Council presents draft financial reports to the Audit and Risk Committee	October 2018
Council approves financial statements for lodgement to OLG and for public exhibition, and the Mayor, a Councillor, the General Manager and the Responsible Accounting Officer sign the Statement	22 October 2018
Council signs and gives the Management Representation Letter to the Engagement Manager. (Sample on the Audit Office website: http://www.audit.nsw.gov.au/Publications/Client-Service-Resource)	23 October 2018

Event	Date(s)
○ Audit Office issues to the Council and to the Chief Executive of OLG, in accordance with section 417 of the LG Act: ○ Independent Auditor's Report on the General Purpose Financial statements ○ Report on the Conduct of the Audit	24 October 2018
○ Audit Office issues Independent Auditor's Report on the Special Purpose Financial Statements for the Council's declared Business Activities and Special Schedule No.2 'Permissible Income' to Council and the Chief Executive of OLG	24 October 2018
○ Council submits audited financial statements and the Independent Auditor's Reports to OLG and the Australian Bureau of Statistics	26 October 2018
○ Audit Office reports any identified significant issues to the Minister in accordance with s426 of the LG Act	31 October 2018
○ Council presents its audited financial statements and the Independent Auditor's Reports at the Council meeting	26 November 2018
○ Audit Office issues Final Management Letter.	26 October 2018

Other audits and acquittals

The audit timetable has been discussed and agreed your Chief Financial and Information Officer.

Event	Date(s)
Application for Payment of Pensioner Concession Subsidy	
○ Council gives the Application and supporting working papers listed in Client Assistance Schedule to the audit team	3 September 2018
○ Audit team starts audit of the Application	3 September 2018
○ Council signs and gives Management Representation Letter to the audit team (Sample on the Audit Office website: http://www.audit.nsw.gov.au/Publications/Client-Service-Resource)	24 September 2018
○ Audit Office signs the Independent Audit Report	28 September 2018
Roads to Recovery Program	
○ Council gives the Statement and supporting working papers listed in Client Assistance Schedule to the audit team	17 September 2018
○ Audit team starts audit of the Statement	17 September 2018
○ Council gives the audit team the signed: ○ Statement ○ Management Representation Letter (Sample on the Audit Office website: http://www.audit.nsw.gov.au/Publications/Client-Service-Resource)	25 October 2018
○ Audit Office signs the Independent Audit Report	26 October 2018

Mr Graeme Faulkner
General Manager
Lithgow City Council
PO Box 19
LITHGOW NSW 2790

Contact: Domin ka Ryan
Phone no: 02 9275 7248
Our ref: D1814132/1725

6 August 2018

Dear Mr Faulkner

Management Letter on the Interim Phase of the Audit for the Year Ending 30 June 2018

The interim phase of the audit for the year ending 30 June 2018 is complete. This letter outlines four matters of governance interest I identified during the current audit. We also considered the status of matters raised in previous audits and have noted:

- two matters have been resolved
- three matters remain unresolved and have been re-raised.

I planned and carried out my audit to obtain reasonable assurance the financial statements are free from material misstatement. Because my audit is not designed to identify all matters that may be of governance interest to you, there may be other matters that did not come to my attention. The audit is ongoing and I will inform you if we identify any new matters of governance interest as they arise.

For each matter in this letter, I have included my observations, risk assessment and recommendations, based on my understanding of your business. Management should make its own assessment of the risks to the Council.

I have informed management of the issues included in this letter as they have arisen. A formal draft of this letter was provided on 23 July 2018. This letter includes management's formal responses, the person responsible for addressing the matter and the date by which this should be actioned. As soon as practicable, I recommend you nominate an individual or a committee to monitor and report on progress.

The Auditor-General may include items listed in this letter in the Report to Parliament.

If you would like to discuss any of the matters raised in this letter, please contact me on 9275 7336 or John Thompson, Crowe Horwath Auswild on 02 6330 2200.

Yours sincerely

A handwritten signature in cursive script, appearing to read 'D Ryan'.

Dominika Ryan
Director, Financial Audit Services

cc: Cr Stephen Lesslie, Mayor
Mr Ross Gurney, Director Corporate Services
Mr Rob Campbell, Chair CTA Audit Committee

Interim Management Letter

for the year ending 30 June 2018

Lithgow City Council



INSIGHTS FOR BETTER GOVERNMENT

FINANCIAL AUDIT

I have rated the risk of each issue as 'Extreme', 'High', 'Moderate' or 'Low' based on the likelihood of the risk occurring and the consequences if the risk does occur.

The risk assessment matrix used is consistent with the risk management framework in [TPP12-03](#) 'Risk Management Toolkit for the NSW Public Sector'

This framework may be used as better practice for councils.

		CONSEQUENCE			
		Low	Medium	High	Very high
LIKELIHOOD	Almost certain	M	M	H	E
	Likely	L	M	H	H
	Possible	L	M	M	H
	Rare	L	L	M	M

The risk level is a combination of the consequences and likelihood. The position within the matrix corresponds to the risk levels below.

RISK LEVELS		MATRIX REFERENCE
	Extreme:	E
	High:	H
	Moderate:	M
	Low:	L

For each issue identified, I have used the consequence and likelihood tables from [TPP12-03](#) to guide my assessment.

Consequence levels and descriptors

Consequence level	Consequence level description
Very high	- Affects the ability of your entire entity to achieve its objectives and may require third party intervention; - Arises from a fundamental systemic failure of governance practices and/or internal controls across the entity; or - May result in an inability for the auditor to issue an audit opinion or issue an unqualified audit opinion.
High	- Affects the ability of your entire entity to achieve its objectives and requires significant coordinated management effort at the executive level; - Arises from a widespread failure of governance practices and/or internal controls affecting most parts of the entity; or - May result in an inability for the auditor to issue an unqualified audit opinion.
Medium	- Affects the ability of a single business unit in your entity to achieve its objectives but requires management effort from areas outside the business unit; or - Arises from ineffective governance practices and/or internal controls affecting several parts of the entity.
Low	- Affects the ability of a single business unit in your entity to achieve its objectives and can be managed within normal management practices - Arises from isolated ineffective governance practices and/or internal controls affecting a small part of the entity.

Likelihood levels and descriptors

Likelihood level	Frequency	Probability
Almost certain	The event is expected to occur in most circumstances, and frequently during the year	More than 99 per cent
Likely	The event will probably occur once during the year	More than 20 per cent and up to 99 per cent
Possible	The event might occur at some time in the next five years	More than 1 per cent and up to 20 per cent
Rare	The event could occur in exceptional circumstances	Less than 1 per cent

Summary of issues

Issue	Detail	Likelihood	Consequence	Risk assessment
1	Disaster Recovery Plan testing	Likely	Medium	 Moderate
2	New accounting standards not yet effective	Likely	Medium	 Moderate
3	Evidence of review of the daily cash taking summary report (repeat issue)	Likely	Medium	 Moderate
4	Monthly reconciliation (repeat issue)	Likely	Medium	 Moderate
5	Strengthening Council's IT policies/procedures	Possible	Medium	 Moderate
6	Password configuration management	Possible	Low	 Low
7	Excessive annual leave (repeat issue)	Possible	Low	 Low

Appendix

[Review of Matters Raised in Prior Years](#)

Issue 1: Disaster Recovery Plan testing

Likelihood	Consequence	Systemic issue	Category	Risk assessment
Likely	Medium	No	Operational	 Moderate

Observation

We noted that disaster recovery plan policy is in place however this has not been tested for the past 12 months.

Implications

Disaster recovery plan testing is critical to identifying changes in the IT environment, so the plan can be updated or modified to include any new situations and to accommodate any altered conditions.

Recommendation

We recommend management perform full-scale tests of the disaster recovery plan once a year so that critical changes can be noted and updated in the plan and potential disaster situations can be adequately tested to ensure the Council is ready should a potential 'disaster situation' arise.

We understand from management that plans are in place to execute this testing.

Management response

Management will perform full-scale tests of the disaster recovery plan once a year. As mentioned in the recommendation, management has plans are in place to execute this testing.

Person responsible:

Date (to be) actioned:

IT Manager

31 March 2019

Issue 2: New accounting standards not yet effective

Likelihood	Consequence	Systemic issue	Category	Risk assessment
Likely	Medium	No	Operational	 Moderate

Observation

The Local Government Code of Accounting Practice and Reporting (Code Update 26) includes four new accounting standards issued by the Australian Accounting Standards Board that are not yet effective. Councils are required to assess and disclose the impact of these standards in their financial statements for 30 June 2018:

- AASB 15 Revenue from contracts with customers (effective for annual reporting periods beginning on or after 1 January 2019)
- AASB 9 Financial instruments (effective for annual reporting periods beginning on or after 1 January 2018)
- AASB 16 Leases (effective for annual reporting periods beginning on or after 1 January 2019)
- AASB 1058 Income of not-for-profit entities (effective for annual reporting periods beginning on or after 1 January 2019).

While the Council has undertaken a preliminary assessment of the new accounting standards, they are yet to perform a detailed impact assessment.

Implications

Failing to adequately prepare for the upcoming changes in the accounting standards increases the risk the Council will not comply with the Code and the AASB standards. This increases the risk financial statements containing material misstatements.

Recommendation

We recommend management assess the impact of the upcoming accounting standards as there may be significant reporting differences. This includes ensuring there are appropriate resources to understand and respond to the required changes to financial reporting systems, policies, processes and in training staff.

Management response

Management's preliminary assessment is that the new accounting standards will have no material impact on financial reporting systems, policies, processes and staff training. Council has no financial instruments and minimal leases.

Management will complete a detailed written assessment of the impact of the new accounting standards. It is noted that the OLG only released transition guidance to councils on 2 August 2018.

Person responsible:	Date (to be) actioned:
Financial Services Manager	31 December 2018

Issue 3: Evidence of review of the daily cash taking summary (repeat issue)

Likelihood	Consequence	Systemic issue	Category	Risk assessment
Likely	Medium	No	Reporting	 Moderate

Observation

During our review of cash receipting procedures in Council's Customer Services area, we noted the daily cash taking summary is not always independently verified by another employee prior to banking. The banking report had three occasions in our sample where it wasn't signed by a supervisor.

Based on discussions with management, we understand the operation of this control can be impacted on some days where there is only one staff member on reception duties.

We also noted that there is no formal documentation of procedures and processes in place for finance related tasks and, as a result, it is difficult to capture and retain important process knowledge when staff are on leave, absent or retire, etc. by other new or temporary staff.

Implications

If the daily cash taking summary is not independently verified by another employee, there is an increased risk that cash may be misappropriated.

Not all processes may be implemented during the year due to lack of knowledge and no formal policies.

There is also a risk that valuable knowledge is lost across the finance area within Council.

Recommendation

We recommend management:

- ensure the daily cash taking summary is verified by another employee at the end of each day. If there is no staff available at reception, another staff member in the office should perform the review
- review processes and documentation to ensure a consistent approach is taken no matter what staff member is performing the task.

Management response

The recommended action was taken when the issue was brought to management's attention during the interim audit.

Person responsible:

Chief Financial and Information Officer

Date (to be) actioned:

Immediately

Issue 4: Monthly reconciliations (repeat issue)

Likelihood	Consequence	Systemic issue	Category	Risk assessment
Likely	Medium	No	Operational	 Moderate

Observation

During our review of monthly reconciliations, we noted:

- there was no evidence of independent review of investment, loans, bank, debtors, creditor, stores and GST reconciliations for the months of September and November 2017 and January 2018
- the November 2017 and January 2018 reconciliations for the loans and stores were not prepared.

Since our on-site visit on 11 May 2018, management have advised that proper month end closes are now happening. This is essentially due to the recent recruitment of a financial accountant and a second accounting resource (having been employed late in the 2018 year).

Implications

If reconciliations are not prepared and reviewed in a timely manner, it increases the risk that:

- transactions are not recorded completely and accurately in the general ledger
- there is no regular assessment of the appropriateness of aged balances
- there is no timely resolution of reconciling items.

Recommendation

We recommend management ensure reconciliations are prepared monthly and independently reviewed by an appropriate officer in a timely manner. The control should be evidenced through employee signatures or other electronic means.

Management response

A Financial Accountant was appointed in May 2018. The Financial Accountant is responsible for reviewing all balance sheet reconciliations. The issue was addressed as soon as it was brought to management's attention during the interim audit.

Person responsible:

Financial Services Manager

Date (to be) actioned:

Immediately

Issue 5: Strengthening Council's IT policies/procedures

Likelihood	Consequence	Systemic issue	Category	Risk assessment
Possible	Medium	Yes	Operational	 Moderate

Observation

While we acknowledge that management is aware of the importance of strengthening Council's IT environment, we identified that there is no documented IT infrastructure policy.

Implications

Without documented policies and procedures:

- personnel may not know and understand their responsibilities and the tasks that should be performed
- Council operations may be disrupted and critical data may not be recoverable
- unauthorised access to data and applications may occur from personnel or outside sources which may impact the reputation of the Council

Recommendation

We recommend management:

- define and document the standard operating policies and procedures for IT infrastructure. Documentation should address hardware and software components, security procedures such as authorisations

Management response

Management will develop an IT infrastructure policy as per the recommendation.

Person responsible:	Date (to be) actioned:
IT Manager	31 December 2018

Issue 6: Password configuration management

Likelihood	Consequence	Systemic issue	Category	Risk assessment
Possible	Medium	Yes	Operational	 Moderate

Observation

We identified that the password parameters for the general ledger do not comply with better practice guidelines. We observed that the following settings are not enforced:

- maximum password age
- minimum password length.

We acknowledge that the Council had a security audit completed in May and took actions to improve password parameters in June.

Implications

If sufficiently robust password parameters are not in place, there is a heightened risk of unauthorised access to key systems.

Recommendation

We recommend management identify and implement password parameters for the general ledger to meet the minimum standards.

We acknowledge that the Council had a security audit completed in May and took actions to improve password parameters in June.

Management response

Password parameters were improved in June 2018. Management has provided evidence to substantiate implementation of the recommendation.

Person responsible:	Date (to be) actioned:
IT Manager	Completed June 2018

Issue 7: Excessive annual leave (repeat issue)

Likelihood	Consequence	Systemic issue	Category	Risk assessment
Possible	Low	No	Operational	 Low

Observation

We observed, as at 31 March 2018, 30 of about 212 staff had accrued annual leave in excess of 300 hours or eight weeks equivalent leave.

Council should aim for employees to have, as a minimum, less than eight weeks of accrued annual leave at any point in time in accordance with the Local Government Award.

This observation is consistent with our 30 June 2017 findings and is a recurring issue.

Implications

The accumulation of excessive annual leave:

- may adversely impact the Council's cash position because liabilities for excessive annual leave generally increase over time as salary rates increase. This means that accrued leave will be paid at higher rates
- can adversely affect workplace safety and staff performance because staff are not taking sufficient breaks during the year.

Recommendation

We recommend management review its approach to managing excessive annual leave balances. It should project employees leave balances to the end of the financial year on a monthly basis. Employees with leave balances projected to exceed 300 hours should be asked to provide a leave plan to reduce their excessive leave balances over an acceptable timeframe. Management should then approve the leave plans.

We acknowledge that the Council is reviewing excessive leave balances and implementing a plan to reduce them. We understand that such leave could not be reduced to an acceptable level in a single year due to the need to backfill positions. We further understand that the General Manager has issued a directive to executive management to reduce excessive annual leave entitlements back to at least or less than eight weeks.

We will review the annual leave balance as well as Council's plan during our final phase visit.

Management response

Management has projected employee annual leave balances to the end of the 2018/19 financial year (evidence provided to auditors).

Once the current plan to reduce annual leave balances below 8 weeks is completed by 30 November 2018, management will prepare a monthly annual leave projection report to the end of the financial year.

Employees with leave balances projected to exceed 8 weeks between November 2018 and June 2019 will be asked to provide a leave plan to reduce their excessive leave balances over an acceptable timeframe.

Management will then approve the leave plans.

Person responsible:**Date (to be) actioned:**

Executive Manager People and Services

Ongoing to 30 June 2019

Appendix

Review of matters raised in prior year management letters

The issues in this appendix were raised in previous management letters. For each of these issues, I have determined:

- how management has addressed the issue in the current year
- what management still needs to do to address unresolved issues.

Prior issues raised	Risk assessment	Assessment of action taken	Recommendation
Evidence of review of the daily cash taking summary	 Moderate	Further issues identified this year	Refer to Issue 3
Monthly reconciliation	 Moderate	Further issues identified this year	Refer to Issue 4
Strengthening Council's legislative compliance framework (repeat issue)	 Moderate	Matter has been addressed by Management	Nil as matter addressed
Excessive annual leave	 Low	Further issues identified this year	Refer to Issue 7
Review of changes to the supplier Masterfile	 Moderate	Matter has been addressed by Management	Nil as matter addressed

31 July 2018

Mr Ross Gurney
Chief Financial and Information Officer
Lithgow City Council
[REDACTED]

Dear Mr Gurney

ICAC scholarships to attend the ANZSOG / ICAC executive short course

I am pleased to advise that your application for an ICAC scholarship to attend the ANZSOG/ICAC executive short course, *Strategic responses to corruption*, on 11 – 14 September 2018 has been successful. We had an exceptionally strong field of applicants. I congratulate you on your success, welcome your participation in the course, and trust that the insights acquired will be applied in your work area upon your return.

Please note, should your role or employment status change prior to the course, you are asked to notify the ICAC. If you have any questions please contact Yvonne Miles, Principal Officer, on (02) 8281 5721 or [REDACTED]

To accept the scholarship, you will need to register on the ANZSOG website. Please follow these steps to complete your registration:

1. Click on the following link and enter your details to [REDACTED]
2. **Registration type** — select scholarship
3. Click next — continue to complete details
4. Continue to payment
In the **apply promotion** box enter **SCHOLARSHIP** and submit — this will reduce balance to \$0
5. Accept terms and conditions
6. Payment method — select invoice
7. Submit registration

If you need to make an enquiry of ANZSOG about your registration, please contact:

Executive Education
Tel: +61 3 8344 1984
Email: executive.education@anzsog.edu.au

The course is in Sydney and will be held at the Macquarie Graduate School of Management (MGSM), Level 24, 123 Pitt Street, Sydney, NSW, 2000.

Sensitive

I am confident that you will find the course enriching and that the learning will equip you to design efficient and corruption resistant operations that will be implemented at [applicant agency].

Yours sincerely



Lewis Rangott
Executive Director Corruption Prevention

30 July 2018

Sector Performance and Intervention Team
Office of Local Government
Locked Bag 3015
NOWRA NSW 2541

olg@olg.nsw.gov.au



Dear Performance Team

Performance Improvement – Monthly Report for July 2018

I refer to my previous correspondence of 27 June 2018 and enclose our monthly report for July 2018 and update on progress in the pursuit of performance improvement for Lithgow City Council.

The Council Executive Management Team has organised a regular meeting (approximately monthly) with the OLG Council Engagement Manager, Ms Karen Purser, to discuss issues of relevance to Lithgow Council and to maintain open communication.

I have provided information below on progress towards finalising Council's 2017/18 financial statements.

Projected 2017/18 Operating Result (Before Capital)

The Council is still finalising its 2017/18 accounts and is not yet in a position to report a preliminary 2017/18 operating result (before capital). A preliminary result will be included in the August report, prior to the external audit in September.

As mentioned in the June report, preliminary assessment of the projected 2017/18 operating result (before capital) indicates that remedial action to deal with the unsatisfactory position had continued to improve the projected 2017/18 end-of-year financial position. It is anticipated that the year-end operating result (before capital) will be a further improvement on the position reported in the January to March Quarterly Report.

Financial Management Maturity Assessment Actions

Progress during June 2018 is noted as follows-

- 30 of the 37 Financial Management Maturity Assessment Actions have now been completed.
- Action is ongoing to implement the Fit For the Future Improvement Plan strategies. Recruitment of a contract Service Review Co-ordinator is progressing and Council is considering engaging LGNSW to conduct a high-level Service Review process. Financial assistance policy reviews have been completed. A working party is reviewing Council's leaseback vehicles and related policy.
- Action has been completed on the Resourcing Strategy and Operational Plan annual review process.
- Action has been completed on the review of the Revenue Policy annual fees and charges setting.
- Action is progressing to improve the water and sewer funds long term financial planning with the Development Servicing Plans being placed on public exhibition. Recommendations from the Operations Review were endorsed at the July Council meeting. A 30 year Integrated Water Cycle Management (IWCM) strategy is being developed.
- A review of Finance Standard Working Procedures and development of new procedures is ongoing.
- Action to incorporate financial management practices and information into the staff induction program is due for completion in July 2018.
- Action to improve the alignment between the CSP, Resourcing Strategy, Delivery Program and Operational Plan is completed with software linkages in place.
- Implementation of Stage One of the Asset Module is progressing. Key User Training has been completed and data will be uploaded shortly. Documents are being designed for End User Training in September.
- The review of Council's Quarterly Report indicators has been completed.
- The review of Council's financial and non-financial measures, targets and indicators for management reporting has been completed
- Business Unit Plans with a 2-3 year time horizon will be developed in 2018/19. Councillors have agreed to convene for a strategic planning session in the near future.

The implementation of the Financial Management Maturity Assessment Actions will continue into 2018/19 as planned.

I enclose minutes and an updated spreadsheet recording all current actions against the identified performance improvement strategies for your information.

Other Performance Improvements

Other performance improvements achieved in July 2018 include-

- Changes to customise the Central Tablelands Alliance Audit Committee Charter were endorsed by Council at the July meeting.
- Action plans continue to be implemented for Finance and Payroll system Health Checks which have been conducted in recent months.
- The draft Interim Audit Management Letter was received on 26 July 2018. Once the management response is finalised, an audit action plan will be developed for 2018/19.

Should you have any queries please contact me at your convenience.

Yours sincerely



Graeme Faulkner
GENERAL MANAGER

ITEM FIN - 27/08/18 - COUNCIL INVESTMENT REPORT - JULY 2018

REPORT BY: CHIEF FINANCIAL & INFORMATION OFFICER

REFERENCE

Min No 18-197: Ordinary meeting of Council held on 23 July 2018.

SUMMARY

To advise Council of investments held as at 31 July 2018 and to note the certification of the Responsible Accounting Officer that funds have been invested in accordance with legislation, regulations and Council policy.

COMMENTARY

Council's total investment portfolio, as at 31 July 2018 when compared to 30 June 2018, has decreased by \$3,710,000 from \$33,550,000 to \$29,840,000. Cash in Council's bank account decreased by \$402,284.81 from \$607,869.40 to \$205,584.59.

There is an overall decrease in cash and investments of \$4,112,284.81 since 30 June 2018. The decrease is due to general operations and final payments for the 2017/18 capital program, as was planned.

If the movement in the bank account is negative, this is shown as a net redemption. If the movement in the bank account is positive this is shown as a net new investment.

The movement in Investments for the month of July 2018 were as follows:

Opening Balance of cash and investments as 01 July 2018	\$34,157,869.40
Plus New Investments – July 2018	\$2,000,000.00
Less Investments redeemed – June 2018	-\$6,112,284.81
Closing Balance of cash and investments as at 30 June 2018	\$30,045,584.59

A large proportion of Council's investments are held as restricted assets for specific purposes. Restricted assets may consist of externally restricted assets which must be spent for the purpose for which they have been received (e.g. Water, Wastewater, Stormwater, Domestic Waste, Parking) or internally restricted assets which have been set aside by Council resolution. Some internal restrictions are held to fund specific liabilities such as employee leave entitlements and bonds and deposits.

POLICY IMPLICATIONS

Investments are held in accordance with the Lithgow City Council's Investment Policy at the date of investing funds. On 14 August 2017, Council adopted a revised Investment Policy which includes the Minister's Investment Order of 12 January 2011

FINANCIAL IMPLICATIONS

- YTD Budget approved – \$60,666.67
- Cost centre - 3259
- YTD Income to date - \$68,752.05
- Future potential impact – Nil

The Council's interest income for one month YTD is \$8K is over budget due to a combination of reserve balances being greater than forecast and improved investment returns.

Interest is paid on the maturity date of the investment. The budget for interest income is determined by the average level of funds held and the rate of return. Adjustments to the budget estimate are processed through Council's Quarterly Budget Review process. Interest Returns are determined by average funds invested and the rate of interest return.

LEGAL IMPLICATIONS

Investments are held in accordance with the Lithgow City Council's Investment Policy at the date of investing the funds. On 14 August 2017 Council adopted a revised Investment Policy and investments comply with this Policy.

CERTIFICATION OF THE RESPONSIBLE ACCOUNTING OFFICER

I hereby certify that the investments listed in the report have been made in accordance with Section 625 of the Local Government Act 1993, clause 212 of the Local Government (General) Regulation 2005 and Council's Investments Policy.

Ross Gurney
Chief Financial and Information Officer (Responsible Accounting Officer)

ATTACHMENTS

1. Investment Register 2018/19

RECOMMENDATION

THAT

1. Investments of \$29,840,000 and cash of \$205,584.59 for the period ending 31 July 2018 be noted.
2. The enclosed certificate of the Responsible Accounting Officer be noted.

ITEM **FIN - 27/08/18 - REFERRAL OF THE FINANCIAL REPORTS FOR THE YEAR ENDED 30 JUNE 2018 FOR EXTERNAL AUDIT**

REPORT BY:

SUMMARY

Section 413 of the Local Government Act 1993 (the Act) requires Council to refer its financial reports for audit prior to them being audited.

COMMENTARY

Financial Statements Timeline

Council officers and the external auditors work to an agreed timeline to ensure that the financial reports are completed and lodged with the Office of Local Government (OLG) by the legislative deadline of 31 October of each year.

Although draft 2017/18 financial reports will not be finalised before the end of August 2018, it is a requirement of the Act that the financial reports be referred for audit by resolution of Council prior to the audit commencing in September 2018.

The key dates agreed between Council and the Audit Office of NSW in the 2017/18 Audit Client Service Plan are as follows:

- 27 August 2018: Council resolves to refer the financial reports to audit
- 17-21 September 2018: final on-site audit (Crowe Horwath)
- 5 October 2018: audit clearance meeting
- 24 October 2018: Audit Office issues the Auditors' Reports
- 29 October 2018: Council resolves to approve the financial reports for lodgement to the OLG and for public exhibition and the Mayor, a Councillor, the General Manager and the Responsible Accounting Officer sign the Statement
- 30 October 2018: Council submits the financial reports to the OLG
- 26 November 2018: Council presents its audited financial statements and the Auditors' Reports.

According to Section 413 (2) of the Act, Council must make a statement as to its opinion on the preparation of the general purpose financial report (and by extension the special purpose financial report). The signing of these statements is an administrative function that is required at the completion of the audit.

Format of Financial Reports

The financial reports comprise the following:

1. General purpose financial reports consisting of an Income Statement, a Statement of Financial Position, a Statement of Changes in Equity, and a Statement of Cash Flows along with a number of explanatory notes. These are presented for audit by the Audit Office;
2. Special purpose financial reports consisting of an Income Statement by Business Activity, a Statement of Financial Position by Business Activity and appropriate explanatory notes. These financial reports are also presented for audit by the Audit Office; and
3. Special schedules which present financial information specifically required by the OLG, the Department of Public Works, the Department of Planning and Infrastructure, the Australian Bureau of Statistics.

As required by the Act, the financial reports are prepared in accordance with the Australian Accounting Standards, Local Government Code of Accounting Practice and Financial Reporting and the Local Government Asset Accounting Manual.

POLICY IMPLICATIONS

Nil.

FINANCIAL IMPLICATIONS

The audit of Council's financial reports by the Audit Office is a legislative requirement and provides assurance that Council's finances are managed prudently and in accordance with accounting standards. The adoption of the recommendation of this report has no direct financial impact upon the Council's adopted budgets or forward estimates.

- Budget approved – N/A
- Cost centre – N/A
- Expended to date – N/A
- Future potential impact – N/A

LEGAL IMPLICATIONS

There are no obvious legal issues associated with the adoption of the recommendation. The forwarding of the financial statements to the Council external auditor for audit supports the Council in ensuring care and compliance is exercised in financial reporting.

RECOMMENDATION

THAT Council refers the draft 2017/18 General Purpose and Special Purpose Financial Reports for audit in accordance with S413 of the Local Government Act 1993.

ITEM FIN - 27/08/18 - LOCAL GOVERNMENT REMUNERATION TRIBUNAL DETERMINATION

REPORT BY: CHIEF FINANCIAL AND INFORMATION OFFICER

REFERENCE

Min No 17-211: Ordinary meeting of Council held on 17 July 2017.

SUMMARY

The Local Government Remuneration Tribunal (the Tribunal) is established under Chapter 9, Part 2, Division 4 of the Local Government Act. The Tribunal's role is to determine categories of Councils then to determine the maximum and minimum amounts of fees to be paid to Mayors and Councillors in each of the categories.

The Tribunal has now determined the Mayoral and Councillor fees for the 2018/19 financial year. This report recommends the Mayoral and Councillor fees be set for the 2018/19 year as per the determination.

COMMENTARY

Allocation of Councils into Categories

The Tribunal has reviewed the criteria (set in 2017) that apply to the categories of councils and the allocation of councils into those categories. The Tribunal found that there was no strong case to change the criteria or the allocation of councils into categories at this time. The categories of general purpose councils have been determined as follows:

Metropolitan	Non-metropolitan
Principal CBD	Regional City
Major CBD	Regional Strategic Area
Metropolitan Large	Regional Rural
Metropolitan Medium	Rural
Metropolitan Small	

Under the current classifications, Lithgow remains classified as Regional Rural.

Determination of Fees

The Tribunal has determined that the minimum and maximum fees applicable to each category will be increased by 2.5 per cent which is consistent with the State government's policy on wages.

The 2018/2019 determination for all categories is set out in the table below with the range for Regional Rural councils highlighted.

Category		Councillor/Member Annual Fee		Mayor/Chairperson Additional Fee*	
		Minimum	Maximum	Minimum	Maximum
General Purpose Councils – Metropolitan	Principal CBD	26,970	39,540	164,980	217,080
	Major CBD	17,980	33,310	38,200	107,620
	Metropolitan Large	17,980	29,670	38,200	86,440
	Metropolitan Medium	13,480	25,160	28,640	66,860
	Metropolitan Small	8,970	19,790	19,100	43,150
General Purpose Councils – Non-metropolitan	Regional City	17,980	31,260	38,200	97,370
	Regional Strategic Area	17,980	29,670	38,200	86,440
	Regional Rural	8,970	19,790	19,100	43,170
	Rural	8,970	11,860	9,540	25,880
County Councils	Water	1,780	9,890	3,820	16,250
	Other	1,780	5,910	3,820	10,790

*This fee must be paid in addition to the fee paid to the Mayor/Chairperson as a Councillor/Member (s.249(2)).

Setting of Fees

The NSW Local Government Act 1993 requires:

248 Fixing and payment of annual fees for councillors

- (1) A council must pay each councillor an annual fee.
- (2) A council may fix the annual fee and, if it does so, it must fix the annual fee in accordance with the appropriate determination of the Remuneration Tribunal.
- (3) The annual fee so fixed must be the same for each councillor.
- (4) A council that does not fix the annual fee must pay the appropriate minimum fee determined by the Remuneration Tribunal

In addition to the above fees Council also provides the Mayor with a motor vehicle which is available for private use. No lease fee is currently payable for this.

Councils set Councillor and Mayoral fees for each financial year based on the Tribunal's determination. The level of fees accords with each Council's category as set by the Tribunal.

For Lithgow City Council, it is recommended that the Councillor and Mayoral fees be increased by 2.5%, which is consistent with the Tribunal's general determination.

POLICY IMPLICATIONS

Nil.

FINANCIAL IMPLICATIONS

- Budget approved - \$109,756 for 2018/19
- Cost centre - 1059 – General Administration Elected Members
- Expended to date - nil for 2018/19. A total amount of \$117,450 was expended in 2017/18.
- Future potential impact - if Council concurs with the recommendation it will be necessary to adjust the budget in the first quarterly budget review from \$109,756 to \$120,604.

LEGAL IMPLICATIONS

Council is required under the Local Government Act 1993 to pay the remuneration in accordance with the limits set by the Tribunal.

ATTACHMENTS

1. 2018 Annual Determination - Local Government Remuneration Tribunal April 2018.
2. Office of Local Government Circular 18-18.

RECOMMENDATION

THAT Council:

1. Set the remuneration in 2018/19 for Councillors at \$10,848.00 (2.5% increase on 2017/18).
2. Set the remuneration in 2018/19 for the Mayor at \$22,972.00 (2.5% increase on 2017/18).
3. Set the 2018/2019 car lease payable by the Mayor at Nil.

Local Government Remuneration Tribunal

Annual Report and Determination

*Annual report and determination under sections 239
and 241 of the Local Government Act 1993*

**17 April
2018**

Local Government Remuneration Tribunal

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Local Government Remuneration Tribunal

Executive Summary

The Local Government Remuneration Tribunal (the Tribunal) is required to report to the Minister for Local Government by 1 May each year as to its determination of categories of councils and the maximum and minimum amounts of fees to be paid to mayors, councillors, and chairpersons and members of county councils.

Categories

The Tribunal has reviewed the criteria that apply to the categories of councils and the allocation of councils into those categories. The Tribunal found that there was no strong case to change the criteria or the allocation of councils into categories at this time. The criteria applicable to each of the categories are published in Appendix 1 of the determination and are unchanged from 2017.

Fees

The Tribunal has determined that the minimum and maximum fees applicable to each category will be increased by 2.5 per cent which is consistent with the government's policy on wages.

Section 1 Introduction

1. Section 239 of the *Local Government Act 1994* (the LG Act) provides for the Tribunal to determine the categories of councils and mayoral offices and to place each council and mayoral office into one of those categories. The categories are to be determined at least once every 3 years.
2. Section 241 of the LG Act provides for the Tribunal to determine, not later than 1 May in each year, for each of the categories determined under section 239, the maximum and minimum amount of fees to be paid to mayors and councillors of councils, as well as chairpersons and members of county councils.
3. In determining the maximum and minimum fees payable in each of the categories, the Tribunal is required, pursuant to section 242A (1) of the LG Act, to give effect to the same policies on increases in remuneration as those of the Industrial Relations Commission. The current policy on wages is that public sector wages cannot increase by more than 2.5 per cent, and this includes the maximum and minimum fees payable to councillors and mayors and chairpersons and members of county councils.
4. The Tribunal is however able to determine that a council can be placed in another existing or a new category with a higher range of fees without breaching the government's wage policy pursuant to section 242A (3) of the LG Act.
5. The Tribunal's determinations take effect from 1 July in each year.

Section 2 2017 Determination

6. The Tribunal undertook a significant review of the categories and the allocation of councils into each of those categories. The review was prompted by the amalgamation of councils resulting in the creation of 20 new councils and an overall reduction in the number of councils in NSW from 152 to 128.
7. In reviewing the categories the Tribunal examined a range of statistical and demographic data and considered the views of councils and Local Government NSW (the LGNSW). Having regard to that information, the Tribunal determined a categorisation model which differentiates councils primarily on the basis of their geographic location. Other factors which differentiate councils for the purpose of categorisation include population, the sphere of the council's economic influence and the degree of regional servicing.
8. The Tribunal's 2017 Determination was made on 12 April 2017 and determined the categories of general purpose councils as follows:

Metropolitan

- Principal CBD
- Major CBD
- Metropolitan Large
- Metropolitan Medium
- Metropolitan Small

Non-metropolitan

- Regional City
- Regional Strategic Area
- Regional Rural
- Rural

9. The criteria for the categories were also determined and are now contained in Appendix 1. The Tribunal's determination also provided for each of the 128 Councils to be allocated into one of the above categories.
10. The 2017 Determination provided a general increase of 2.5 per cent which was consistent with the Government's policy on wages.

Section 3 2018 Review

11. The Tribunal wrote to all mayors in November 2017 advising of the commencement of the 2018 Annual Review. In doing so the Tribunal noted that at the time of making the 2017 determination a number of further merger proposals were on hold as a consequence of legal action taken by councils covered by these proposals. On 27 July 2017 the Premier, the Hon Gladys Berejiklian MP, issued a media release which advised that due to the protracted nature of those legal challenges and the impact on ratepayers, that the following mergers would not proceed:
- Burwood, City of Canada Bay and Strathfield Municipal councils
 - Hornsby Shire and Ku-ring-gai councils
 - Hunter's Hill, Lane Cove and City of Ryde councils
 - Mosman Municipal , North Sydney and Willoughby councils
 - Randwick City, Waverley and Woollahra Municipal councils.
12. While the Tribunal is only required to review the categorisation every three years, given the changed circumstances, if requested, the Tribunal stated it would review the allocation of the above metropolitan councils into the existing categories.
13. In this respect, any requests for a review would need to be supported by evidence which would indicate that the council is more appropriately allocated into another category based on the criteria.
14. The Tribunal also stated that it does not intend to alter the groups or the criteria which apply unless there is a very strong case to do so.
15. The Tribunal also wrote to the President of LGNSW in similar terms, and subsequently met with the Chief Executive of LGNSW. The Tribunal wishes to place on record its appreciation to the Chief Executive for meeting with the Tribunal.
16. In response to this review the Tribunal received 13 submissions from individual councils and a submission from LGNSW. Those submissions addressed the categorisation model and criteria, the allocation of councils into those categories, and/or the fees. A summary of the matters raised and the Tribunal's consideration of those matters is outlined below.

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Categorisation

Categorisation model

17. The majority of submissions supported the categorisation model, suggested additional categories or made no comment. Concerns were largely based on the criteria and in particular the emphasis on population to determine appropriate categorisation.
18. One submission also requested that consideration be given to making the criteria for Principal CBD and Major CBD more general in nature.
19. Apart from requests for new categories, no case has been put to the Tribunal to adjust or change the categorisation model. The Tribunal is required to review the categories every three years. As the current model was introduced in 2017 the Tribunal will next consider the model and the allocation of councils into that model in 2020.
20. The Tribunal has reviewed the criteria which apply to the categories of Principal CBD and Major CBD. The criteria for Principal CBD and Major CBD are specific to the characteristics of councils within those categories. This is different to the other categories which have indicative population thresholds and general criteria which describe common features of councils in these groups.

Allocation of councils into categories

21. The criteria applicable to the categories are outlined in Appendix 1. The categories differentiate councils on the basis of their geographic location with councils grouped as either metropolitan or non-metropolitan. With the exception of Principal CBD and Major CBD, population is the predominant criterion to determine categorisation. Other common features of councils within those categories are also broadly described. These criteria have relevance when population alone does not adequately reflect the status of one council compared to others with similar characteristics. In some instances the additional criteria will be sufficient enough to warrant the categorisation of a council into a group with a higher indicative population range.
22. In respect of the request to reconsider the criteria for Principal CBD and Major CBD, the Tribunal notes that the current criteria are specific to the councils of Sydney City and Parramatta City respectively. Prior to the making of the 2017 determination Sydney City Council was a standalone category. Parramatta City Council was grouped with Newcastle

Local Government Remuneration Tribunal

City Council and Wollongong City Council. The Tribunal's 2017 review determined that Parramatta City Council would also be a standalone category within the group of metropolitan councils. Newcastle and Wollongong were placed in a separate category, Regional City.

23. The allocation of Sydney City Council and Parramatta City Council into unique categories reflects their status within the metropolitan area. These precincts have been identified by the NSW Government in its metropolitan planning policies¹ as "Metropolitan City Centres" and are the only local government precincts to be given this status. The Tribunal considers that Parramatta City Council is the only council which currently meets the criteria of Major CBD.
24. The Tribunal received ten requests for re-categorisation. Each of those requests was considered having regard to the case put forward and the criteria for each category. A multi variable approach was adopted in assessing each council against all the criteria (not only population) for the requested category and also the relativities within the categories. At the time of making the determination the Tribunal only had available to it population data as of 2016. The Australian Bureau of Statistics (ABS) has advised that more up to date population data will not be published until 24 April 2018 which is too late for consideration as part of this review. The Tribunal found that the current categorisation was appropriate, but noted that some of those councils seeking to be moved are likely to meet the criteria for re-categorisation in future determinations in the medium term. A summary of the Tribunal's findings for each of the applications is outlined in the following paragraphs.

Penrith

25. Penrith sought to be re-categorised to a new category (possibly Metropolitan Large – Growth Centre) to reflect expected population growth and development. The council submitted that the new category could have fees equivalent to Regional City. The submission also drew the Tribunal's attention to the regional servicing role of Penrith to Greater Western Sydney, the Blue Mountains and the Central West of NSW.

¹ Greater Sydney Commission's (GSC) Greater Sydney Regional Plan – *A metropolis of three cities – connecting people* – March 2018 (GSR Plan); Transport for NSW's *Future Transport Strategy 2056, March 2018*; NSW Government's *The NSW State Infrastructure Strategy 2018-2038, 18 March 2018*.

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26. The Tribunal examined Penrith's submission in the context of other councils in the Metropolitan Large category. Penrith currently has the smallest population in this group of councils and the degree of population growth is comparable to other fringe metropolitan councils. While the council area is host to a range of regional facilities these are similar to those available in other council areas within this group. On the basis of the information available the Tribunal does not find there is a case to create a new category to accommodate Penrith.

Inner West

27. Inner West has sought to be re-categorised from Metropolitan Medium to Metropolitan Large. The council has a population of 190,500 (2016) which is substantially below the population of other Metropolitan Large councils. In considering this request the Tribunal has reviewed the additional factors which guide categorisation to both Metropolitan Large and Metropolitan Medium, as outlined in Appendix 1 of this determination. The Tribunal notes that while significant residential development is proposed for this council that development is influenced by a number of urban renewal and infrastructure projects which have either not commenced or are in their early stages. The Tribunal finds the council does not demonstrate a sufficient number of additional criteria to warrant re-categorisation as Metropolitan Large at this time. However, with expected population growth it is likely the council may be more comparable with other Metropolitan Large councils in the short to medium term.

Randwick

28. Randwick has sought to be re-categorised from Metropolitan Medium to Metropolitan Large principally on the basis of its regional servicing and facilities. The Tribunal notes that the council's population of 146,250 (2016) is squarely within the indicative range for this category of (100,000 to 200,000). In reviewing this request the Tribunal has also considered the degree of regional servicing and sphere of economic influence. Having regard to those factors the Tribunal does not find that the council can display additional criteria to a degree comparable to other councils in Metropolitan Large or that re-categorisation into this group is appropriate.

Canada Bay

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29. Canada Bay has sought to be re-categorised from Metropolitan Small to Metropolitan Medium. Canada Bay has a population 90,850 (2016) which is the largest of the councils in Metropolitan Small but still well below the indicative range of Metropolitan Medium councils. The council has put a case forward based on its growing regional influence with a large influx of workers, shoppers and visitors each day.
30. The Tribunal has compared the profile of Canada Bay to other councils in Metropolitan Medium and finds that the scale of its operations and degree of regional servicing are not sufficient to warrant re-categorisation. The Tribunal notes however, that similar to Inner West, expected population growth it is likely to make the council more comparable to those in Metropolitan Medium in the medium term.

Willoughby and North Sydney

31. Both Willoughby and North Sydney have sought to be re-categorised from Metropolitan Small to Metropolitan Medium. Under the new categorisation model these councils were allocated into a category with lower fees than those previously available under the former categorisation. The Tribunal finds that while some existing councillors may be receiving lower fees as a result of the revised categorisation, this is not a factor in the categorisation of councils into categories.
32. The categories have been developed to group councils with as many like characteristics as possible. The Tribunal has considered the characteristics of Willoughby and North Sydney in the context of those that apply to both Metropolitan Small and Metropolitan Medium.
33. Willoughby has a population of 77,950 (2016) and North Sydney 72,150 (2016). Willoughby has sought to be re-categorised having regard to additional criteria including its scale of operations and businesses and the regional significance of its centres. North Sydney has sought consideration of its regional services and facilities and high percentage of non-resident visitors and workers.
34. Both councils have sought recognition of the significant number and percentage of non-resident workers, however the available data from the ABS would suggest that many other metropolitan councils across all categories host a significant number of non-resident workers.
35. The Tribunal notes that the current population of both councils is within the indicative population range for Metropolitan Small councils and well below that of Metropolitan Medium. Having regard to the addition criteria that apply to Metropolitan Small and

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Metropolitan Medium, the Tribunal finds that the characteristics of Willoughby and North Sydney are more appropriately aligned with those of other Metropolitan Small councils and finds no case for them to be re-categorised at this time.

Port Macquarie

36. Port Macquarie has sought to be re-categorised from Regional Rural to Regional Strategic Area. Alternatively, it is requested that consideration be given to the creation of a new category for similar councils in the Regional Rural group.
37. Port Macquarie has a population of 79,650 (2016) which is significantly below the indicative population range of Regional Strategic Area councils. The Tribunal finds that Port Macquarie has not demonstrated the additional criteria to warrant inclusion into this group.
38. The Tribunal notes that there is a large population range of those councils included in the Regional Rural category. These councils are grouped together to reflect their like features such as having a major township which provides regional servicing to smaller rural communities and rural councils. The Tribunal does not propose to further differentiate this group at this time.

Maitland

39. Maitland has sought to be re-categorised from Regional Rural to Regional Strategic Area or that a new category be created between Regional Rural and Regional Strategic Area.
40. Maitland has a population of 78,200 (2016) which is significantly below the indicative population range of Regional Strategic Area councils. The Tribunal finds that Maitland has not demonstrated the additional criteria to warrant inclusion into this group. As outlined above the Tribunal does not propose to further differentiate this group at this time.

Hilltops

41. Hilltops Council has sought to be re-categorised from Rural to Regional Rural. The new Hilltops Council is an amalgamation of three former councils in the Rural category (Young, Boorowa and Harden). The submission states that the new council has increased complexity of business and should be recognised as Regional Rural.
42. The Tribunal notes that Hilltops has a population of 19,150 (2016) which is just below the indicative population range of Regional Rural councils. The category of Regional Rural currently includes one council – Broken Hill – which has a population similar to that of Hilltops. Broken Hill warrants categorisation as Regional Rural in recognition of the degree

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of regional servicing it provides to far western NSW. It is not considered that Hilltops provides the same degree of regional services and on that basis re-categorisation is not warranted at this time.

Leeton

43. Leeton has sought reconsideration of the criteria for eligibility to the categorisation of Regional Rural to take into account councils with populations of less than 20,000. Leeton has a population of 11,750 (2016).
44. Leeton has not sufficiently demonstrated that it meets the additional criteria for re-categorisation to Regional Rural level. The Tribunal does not propose to further differentiate this group at this time.

Fees

45. The LGNSW submission requested that the Tribunal increase fees by the allowable maximum of 2.5 per cent. The submission also reiterated its view that the current arrangement for setting fees is inappropriate and does not provide proper compensation for the significant workload and the range of responsibilities of mayors and councillors. Comparative information was presented in respect to board fees, fees paid to mayors and councillors of councils in Queensland and salaries for Members of Parliament. It was also suggested that when determining fees the Tribunal consider other matters, including the new induction and other professional development training requirements and the implementation of the NSW Local Government Capability Framework. The LGNSW submission also sought consideration of the non-payment of superannuation.
46. A number of submissions also sought an increase to the allowable maximum of 2.5 per cent and raised similar issues to LGNSW in respect to the current fees not being adequate compensation for the heavy or “full-time” workload and time commitment required to carry out mayoral and councillor duties.
47. One submission also raised the matter of fees for deputy mayors, submitting that an additional fee of \$200.00 per month be payable when the role of deputy mayor exists in a council.

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Findings

Quantum of Fees

48. The Tribunal has considered the submissions received and notes the comparisons drawn between the fees paid to councillors and mayors in NSW with those in other states, members of Parliament in NSW, and members of boards and committees. The Tribunal is mindful that the roles and responsibilities of councillors and mayors in NSW are outlined in the LG Act and notes that they are not necessarily comparable to the roles and responsibilities of councillors and mayors in other states, members of Parliament or members of boards and committees.
49. The Tribunal also notes that some of the other matters raised by submissions are more appropriately dealt with in the context of the current Local Government reform agenda and are outside the Tribunal's powers.
50. The Tribunal is required to have regard to the Government's wages policy when determining the increase to apply to the maximum and minimum fees that apply to councillors and mayors. The public sector wages policy currently provides for a cap on increases of 2.5 per cent.
51. The Tribunal has reviewed the key economic indicators, including the Consumer Price Index and Wage Price Index, and had regard to budgetary limitations imposed by the Government's policy of rate pegging, and finds that the full increase of 2.5 per cent is warranted. The 2.5 per cent increase will apply to the minimum and the maximum of the ranges for all existing categories.

Other matters

52. The Tribunal notes that the NSW Independent Local Government Review Panel made a number of recommendations in 2013 which addressed the role and remuneration of mayors and deputy mayors. The Tribunal understands that those recommendations have not yet been implemented or were supported by the Government in part only.
53. Should the Government's policies change with respect to remuneration the Tribunal would be willing to participate in any further review or consideration of this matter.
54. The matter of the non-payment of superannuation has been previously raised in submissions to the Tribunal and is not a matter for the Tribunal to determine. Section

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251 of the LG Act confirms that councillors are not employees of the council and the fee paid does not constitute a salary under the Act. The Tribunal notes that the Australian Tax Office has made a definitive ruling (ATO ID 2007/205) that allows councillors to redirect their annual fees into superannuation on a pre-tax basis and is a matter for councils (*Ref: Councillor Handbook, Oct 2017, Office of Local Government p.69*).

55. Councils have raised the matter of separate fees for deputy mayors on previous occasions and the Tribunal notes that it has previously determined that there is no provision in the LG Act to empower the Tribunal to determine a separate fee or fee increase for deputy mayors. The method for determining separate fees, if any, for a deputy mayor is provided in section 249 of the LG Act as follows:

249 Fixing and payment of annual fees for the mayor

- (1) *A council must pay the mayor an annual fee.*
- (2) *The annual fee must be paid in addition to the fee paid to the mayor as a councillor.*
- (3) *A council may fix the annual fee and, if it does so, it must fix the annual fee in accordance with the appropriate determination of the Remuneration Tribunal.*
- (4) *A council that does not fix the annual fee must pay the appropriate minimum fee determined by the Remuneration Tribunal.*
- (5) *A council may pay the deputy mayor (if there is one) a fee determined by the council for such time as the deputy mayor acts in the office of the mayor. The amount of the fee so paid must be deducted from the mayor's annual fee."*

Conclusion

56. The Tribunal's determinations have been made with the assistance of the two Assessors - Mr Ian Reynolds and Mr Tim Hurst. The allocation of councils into each of the categories, pursuant to section 239 of the LG Act, is outlined in Determination No. 1. The maximum and minimum fees paid to councillors and mayors and members and chairpersons of county councils, pursuant to section 241 of the LG Act, are outlined in Determination No. 2.

Local Government Remuneration Tribunal

The Local Government Remuneration Tribunal

Signed

Dr Robert Lang

Dated: 17 April 2018

Section 4 Determinations

Determination No. 1- Determination Pursuant to Section 239 of Categories of Councils and County Councils Effective From 1 July 2018

Table 1: General Purpose Councils - Metropolitan

Principal CBD (1)	Major CBD (1)
Sydney	Parramatta
Metropolitan Large (8)	Metropolitan Medium (9)
Blacktown	Bayside
Canterbury-Bankstown	Campbelltown
Cumberland	Georges River
Fairfield	Hornsby
Liverpool	Ku-ring-gai
Northern Beaches	Inner West
Penrith	Randwick
Sutherland	Ryde
	The Hills
Metropolitan Small (11)	
Burwood	
Camden	
Canada Bay	
Hunters Hill	
Lane Cove	
Mosman	
North Sydney	
Strathfield	
Waverley	
Willoughby	
Woollahra	

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Table 2: General Purpose Councils – Non-Metropolitan

Regional City (2)		Regional Strategic Area (2)	
Newcastle		Central Coast	
Wollongong		Lake Macquarie	

Regional Rural (37)		Rural (57)	
Albury		Barranald	Kyogle
Armidale		Bellingen	Lachlan
Ballina		Berrigan	Leeton
Bathurst		Bland	Liverpool Plains
Bega		Blayney	Lockhart
Blue Mountains		Bogan	Moree Plains
Broken Hill		Bourke	Murray River
Byron		Brewarrina	Murrumbidgee
Cessnock		Cabonne	Muswellbrook
Clarence Valley		Carrathool	Nambucca
Coffs Harbour		Central Darling	Narrabri
Dubbo		Cobar	Narrandera
Eurobodalla		Coolamon	Narromine
Goulburn Mulwaree		Coonamble	Oberon
Griffith		Cootamundra-Gundagai	Parkes
Hawkesbury		Cowra	Snowy Valleys
Kempsey		Dungog	Temora
Kiama		Edward River	Tenterfield
Lismore		Federation	Upper Hunter
Lithgow		Forbes	Upper Lachlan
Maitland		Gilgandra	Uralla
Mid-Coast		Glen Innes Severn	Walcha
Mid-Western		Greater Hume	Walgett
Orange		Gunnedah	Warren
Port Macquarie-Hastings		Gwydir	Warrumbungle
Port Stephens		Hay	Weddin
Queanbeyan-Palerang		Hilltops	Wentworth
Richmond Valley		Inverell	Yass
Shellharbour		June	
Shoalhaven			
Singleton			
Snowy Monaro			
Tamworth			
Tweed			
Wagga Wagga			
Wingecarribee			
Wollondilly			

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Table 3: County Councils

Water (4)
Central Tablelands
Goldenfields Water
Riverina Water
Rous

Other (6)
Castlereagh-Macquarie
Central Murray
Hawkesbury River
New England Tablelands
Upper Hunter
Upper Macquarie

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Determination No. 2- Determination Pursuant to Section 241 of Fees for Councillors and Mayors

Pursuant to s.241 of the *Local Government Act 1993*, the annual fees to be paid in each of the categories to Councillors, Mayors, Members and Chairpersons of County Councils effective on and from 1 July 2018 are determined as follows:

Table 4: Fees for General Purpose and County Councils

Category		Councillor/Member Annual Fee		Mayor/Chairperson Additional Fee*	
		Minimum	Maximum	Minimum	Maximum
General Purpose Councils – Metropolitan	Principal CBD	26,970	39,540	164,980	217,080
	Major CBD	17,980	33,310	38,200	107,620
	Metropolitan Large	17,980	29,670	38,200	86,440
	Metropolitan Medium	13,480	25,160	28,640	66,860
	Metropolitan Small	8,970	19,790	19,100	43,150
General Purpose Councils – Non-metropolitan	Regional City	17,980	31,260	38,200	97,370
	Regional Strategic Area	17,980	29,670	38,200	86,440
	Regional Rural	8,970	19,790	19,100	43,170
	Rural	8,970	11,860	9,540	25,880
County Councils	Water	1,780	9,890	3,820	16,250
	Other	1,780	5,910	3,820	10,790

*This fee must be paid in addition to the fee paid to the Mayor/Chairperson as a Councillor/Member (s.249(2)).

The Local Government Remuneration Tribunal

Signed

Dr Robert Lang

Dated: 17 April 2018

Appendices

Appendix 1 Criteria that apply to categories

Principal CBD

The Council of the City of Sydney (the City of Sydney) is the principal central business district (CBD) in the Sydney Metropolitan area. The City of Sydney is home to Sydney's primary commercial office district with the largest concentration of businesses and retailers in Sydney. The City of Sydney's sphere of economic influence is the greatest of any local government area in Australia.

The CBD is also host to some of the city's most significant transport infrastructure including Central Station, Circular Quay and International Overseas Passenger Terminal. Sydney is recognised globally with its iconic harbour setting and the City of Sydney is host to the city's historical, cultural and ceremonial precincts. The City of Sydney attracts significant visitor numbers and is home to 60 per cent of metropolitan Sydney's hotels.

The role of Lord Mayor of the City of Sydney has significant prominence reflecting the CBD's importance as home to the country's major business centres and public facilities of state and national importance. The Lord Mayor's responsibilities in developing and maintaining relationships with stakeholders, including other councils, state and federal governments, community and business groups, and the media are considered greater than other mayoral roles in NSW.

Major CBD

The Council of the City of Parramatta (City of Parramatta) is the economic capital of Greater Western Sydney and the geographic and demographic centre of Greater Sydney. Parramatta is the second largest economy in NSW (after Sydney CBD) and the sixth largest in Australia.

As a secondary CBD to metropolitan Sydney the Parramatta local government area is a major provider of business and government services with a significant number of organisations relocating their head offices to Parramatta. Public administration and safety has been a growth sector for Parramatta as the State Government has promoted a policy of moving government agencies westward to support economic development beyond the Sydney CBD.

The City of Parramatta provides a broad range of regional services across the Sydney Metropolitan area with a significant transport hub and hospital and educational facilities. The City of Parramatta is home to the Westmead Health and Medical Research precinct which represents the largest concentration of hospital and health services in Australia, servicing Western Sydney and providing other specialised services for the rest of NSW.

The City of Parramatta is also home to a significant number of cultural and sporting facilities (including Sydney Olympic Park) which draw significant domestic and international visitors to the region.

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Metropolitan Large

Councils categorised as Metropolitan Large will typically have a minimum population of 200,000.

Other features may include:

- total operating revenue exceeding \$200M per annum
- the provision of significant regional services to greater Sydney including, but not limited to, major education, health, retail, sports, other recreation and cultural facilities
- significant industrial, commercial and residential centres and development corridors
- high population growth.

Councils categorised as Metropolitan Large will have a sphere of economic influence and provide regional services considered to be greater than those of other metropolitan councils.

Metropolitan Medium

Councils categorised as Metropolitan Medium will typically have a minimum population of 100,000.

Other features may include:

- total operating revenue exceeding \$100M per annum
- services to greater Sydney including, but not limited to, major education, health, retail, sports, other recreation and cultural facilities
- industrial, commercial and residential centres and development corridors
- high population growth.

The sphere of economic influence, the scale of council operations and the extent of regional servicing would be below that of Metropolitan Large councils.

Metropolitan Small

Councils categorised as Metropolitan Small will typically have a population less than 100,000.

Other features which distinguish them from other metropolitan councils include:

- total operating revenue less than \$150M per annum.

While these councils may include some of the facilities and characteristics of both Metropolitan Large and Metropolitan Medium councils the overall sphere of economic influence, the scale of council operations and the extent of regional servicing would be below that of Metropolitan Medium councils.

Local Government Remuneration Tribunal

Regional City

Councils categorised as Regional City will typically have a population above 150,000. These councils are metropolitan in nature with major residential, commercial and industrial areas. These Councils typically host government departments, major tertiary education and health facilities and incorporate high density commercial and residential development.

These councils provide a full range of higher order services and activities along with arts, culture, recreation and entertainment facilities to service the wider community and broader region. These councils typically also contain ventures which have a broader State and national focus which impact upon the operations of the council.

Newcastle City Council and Wollongong City Councils are categorised as Regional City.

Regional Strategic Area

Councils categorised as Regional Strategic Area are differentiated from councils in the Regional Rural category on the basis of their significant population. Councils categorised as Regional Strategic Area will typically have a population above 200,000. These councils contain a mix of urban and rural settlements. They provide a range of services and activities including business, office and retail uses, along with arts, culture, recreation and entertainment facilities to service the wider community. These councils host tertiary education campuses and health facilities.

While councils categorised as Regional Strategic Area may have populations which exceed those of Regional City, they would not typically provide the same range of regional services or have an equivalent sphere of economic influence.

Central Coast Council and Lake Macquarie Council are categorised as Regional Strategic Area.

Regional Rural

Councils categorised as Regional Rural will typically have a minimum population of 20,000.

Other features which distinguish them from other non-metropolitan councils include:

- a major town or towns with the largest commercial component of any location in the surrounding area
- a significant urban population existing alongside a traditional farming sector, and are surrounded by smaller towns and villages or may be located on or close to the coast with high levels of population and tourist facilities
- provide a full range of higher-order services including business, office and retail uses with arts, culture, recreation and entertainment centres
- regional services to the wider community through principal referral hospitals, tertiary education services and major regional airports
- these councils may also attract large visitor numbers to established tourism ventures.

Local Government Remuneration Tribunal

Rural

Councils categorised as Rural will typically have a population below 20,000.

Other features which distinguish them from other non-metropolitan councils include:

- one or two significant townships combined with a considerable dispersed population spread over a large area and a long distance from a major regional centre
- a limited range of services, facilities and employment opportunities compared to Regional Rural councils
- local economies based on agricultural/resource industries.

County Councils - Water

County councils that provide water and/or sewerage functions with a joint approach in planning and installing large water reticulation and sewerage systems.

County Councils - Other

County councils that administer, control and eradicate declared noxious weeds as a specified Local Control Authority under the *Noxious Weeds Act 1993*.

Circular Details	18-18 / 13 June 2018 / A597665
Previous Circular	17-08
Who should read this	Councillors / General Managers
Contact	Council Governance Team – 4428 4100 – olg@olg.nsw.gov.au
Action required	Council to Implement

2018/19 Determination of the Local Government Remuneration Tribunal

What's new or changing

- The Local Government Remuneration Tribunal (the Tribunal) has determined an increase of 2.5% to mayoral and councillor fees for the 2018/19 financial year, with effect from 1 July 2018.
- The Tribunal also reviewed the criteria that apply to the categories of councils and the allocation of councils into those categories. The categories enable the Tribunal to determine the maximum and minimum amounts of fees to be paid to mayors and councillors in each of the categories.
- The Tribunal found that there was no strong case to change the criteria or the allocation of councils into categories at this time.

What this will mean for your council

- Sections 248 and 249 of the *Local Government Act 1993* require councils to fix and pay an annual fee based on the Tribunal's determination of 2.5% for the 2018/19 financial year.

Key points

- The level of fees paid will depend on what category the council is in.
- A council cannot fix a fee higher than the maximum amount determined by the Tribunal.
- If a council does not fix a fee, the council must pay the minimum fee determined by the Tribunal.

Where to go for further information

- The Tribunal's report and determination is available on the Office of Local Government's website www.olg.nsw.gov.au and on the NSW Remuneration Tribunal's website www.remtribunals.nsw.gov.au.



Tim Hurst
Acting Chief Executive

ITEM FIN - 27/08/18 - BEQUEST TO CRYSTAL THEATRE PORTLAND

REPORT BY: CHIEF FINANCIAL AND INFORMATION OFFICER

SUMMARY

James Leslie Hudson, late of Portland, has bequeathed 5% of his net estate to the Crystal Theatre at Portland. This report notifies Council of the bequest and acknowledges the late Mr Hudson for his generous contribution to an important community facility.

COMMENTARY

Bequests to Council and / or to specific Council facilities provides an opportunity for community members to provide support for important facilities or projects.

Although Council has no policy on bequests, any bequests will be reported to Council. For the late Mr Hudson's bequest, the funds will be held in an internally restricted reserve until a suitable capital renewal, upgrade or new works project for the Crystal Theatre is identified. The funds may be added to other funding to enable a planned project to proceed earlier than anticipated. The funds bequeathed would not, in any circumstances, be used to cover operating or maintenance expenses.

All bequests of funds or assets will be utilised in accordance with any reasonable terms of the bequestor and / or to make best use of the bequest.

It is anticipated that the funds from the late Mr Hudson's bequest will be distributed to Council in December 2018. The General Manager has sent a letter of thanks to the executors of the late Mr Hudson's estate.

POLICY IMPLICATIONS

NIL.

FINANCIAL IMPLICATIONS

- Budget approved – N/A
- Cost centre – N/A
- Expended to date – Nil.
- Future potential impact – N/A

LEGAL IMPLICATIONS

NIL.

RECOMMENDATION

THAT Council:

1. Note the bequest of the late James Leslie Hudson to the Crystal Theatre; and
2. Authorise the placement of the bequest amount in an internally restricted reserve until a suitable capital renewal, upgrade or new works project at the Crystal Theatre is identified.

ITEM FIN - 27/08/18 - CARRYOVER / REVOTE OF UNSPENT 2017/18 PROJECT FUNDS

REPORT BY: CHIEF FINANCIAL AND INFORMATION OFFICER

SUMMARY

This report proposes the revoting of specified 2017/18 budgets into the 2018/2019 budget in accordance with clause 211 of the Local Government (General) Regulation 2005.

The report also provides details of works in progress or carryover budgets which will also be added to the 2018/2019 budget. The regulation does not require carryovers to be revoted, however, details of carryover requests are included in the attachment to the report for Council's consideration.

COMMENTARY

Review of 2017/18 Projects

A review of project budgets was conducted by management at the end of the 2017/18 financial year. The purpose of this review was to identify projects that were partly completed at that date or have been rescheduled to commence in the new financial year. A budget revote is required to include these projects in the 2018/19 budget. A budget revote is only recommended when there are insufficient funds or no budget provided in the following year budget.

The review also requires project managers to provide reasons for non-completion of projects and details of any project overspends. There were no significant overspends on projects in the 2017/18 year.

For works in progress where a Purchase Order has been issued, a carryover of budget is considered only when there are insufficient funds or no budget in the following year.

Capital Revotes and Carryovers

The total amount of recommended capital revotes and carryovers is \$9.96M. \$7.2M of this amount is for Water and Wastewater projects, including the multi-year reservoir upgrade project; Cullen Bullen sewer; and finalisation of the Portland STP project. The remaining \$2.7M includes \$1.4M for rescheduled Operations projects (such as the skateparks); the LED Streetlighting project which commenced in July 2018; and the Adventure Playground.

The addition of the capital revotes and carryovers to the original 2018/19 capital program results in a total capital program of \$42.2M of works. This is a much larger program than has been completed in recent years. Progress towards completing the capital program will be closely monitored. The Quarter Two 2018/19 budget review will determine whether Council is on track to complete all of the capital works scheduled for 2018/19 and whether any projects should be deferred, e.g. if any grant funding applications have not been successful.

It is noted that, at the 23 July 2018 meeting, Council approved the reallocation of \$37,881 from the 2017/18 budget to fund the construction of improved stormwater infrastructure in the vicinity of 12 Kirkley Street, Lithgow in the 2018/19 year (Minute No. 18-193).

Full details of capital revotes and carryovers are included in the attachment.

Operational Revotes and Carryovers

At the 25 June 2018 meeting, Council endorsed the 2018/19 Delivery Program – Operational Plan (Minute No. 18-165) with a consolidated budget operating deficit (before capital) of (\$637K). Approved operational revotes and carryovers will add to Council's planned deficit operating position for 2018/19.

Excluding Water and Wastewater operational revotes and carryovers (which are managed within their separate funds), project managers submitted \$384K of operational revote and carryover requests. Management has thoroughly reviewed the revote and carryover requests in view of Council's planned deficit operating position for 2018/19. Only \$253K of necessary operational revotes and carryovers (excluding Water and Wastewater) are recommended for approval. This is effectively a 2017/18 budget saving of \$131K (the difference between carryover / revote requests of \$384K and the recommended for approval amount of \$253K) for projects which were not able to be undertaken in the 2017/18 year. Some of these projects will be deferred for consideration in the 2019/20 year.

Including Water and Wastewater revotes and carryovers, the total amount of recommended operational revotes and carryovers is \$303K.

Full details of operational revotes and carryovers are included in the attachment.

POLICY IMPLICATIONS

Nil.

FINANCIAL IMPLICATIONS

- Budget approved – revotes and carryovers are an addition to the approved 2018/19 budget.
- Cost centre – various.
- Expended to date – expenditure was incurred on some projects in the 2017/18 year. Details of 2017/18 expenditure on individual projects is included in the attachment
- Future potential impact – Nil.

LEGAL IMPLICATIONS

Council is required to approve expenditure and vote funds to cover expenditure under Clause 211 of the Local Government (General) Regulation 2005.

ATTACHMENTS

1. Listing of Operational Carryovers - Revotes 17-18 @ 7 Aug 2018 FINAL.
2. Listing of Capital Carryovers - Revotes 17-18 @ 7 Aug 2018 FINAL.

RECOMMENDATION

THAT Council:

1. Revote the amount of \$9,959,135 for 2017/18 capital revotes and carryovers (as detailed in the attachment).
2. Revote the amount of \$302,789 for 2017/18 operational revotes and carryovers (as detailed in the attachment).

RECOMMENDED 2017/18 CARRYOVER / REVOTES

CAPITAL PROJECTS

Environment

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Farmers Creek Precinct Master Plan Stage 2	400108	\$ 50,000	\$ 8,280	\$ 41,720	R		Project on-going into 2018/19 - revote required to complete project and match grant funding in R2 SCC grant
			Sub-total	\$ 41,720			

Waste

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Lithgow SWF Development	500031	\$ 200,000	\$ 65,553	\$ 134,447	R		This is a two year project and the funds and are required in 2018/19
Tarana Transfer	500020	\$ 116,928	\$ 85,520	\$ 31,408	R		This project has been delayed due to the delayed appointment of the Waste & Recycling Officer. A consultant will be engaged in 2017/18 to complete the work early in 2018-19 FY.
			Sub-total	\$ 165,855			

Community & Culture

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Adventure Playground	600101	\$ 455,862	\$ 83,858	\$ 308,521	R	\$260,104 grant balance \$48,417 Centennial Coal contribution	Multi-year project - \$1,161,139 budget for 2018/19 (funded from grants & internal loan)
Lithgow Tennis Club Improvements - Stronger Country Grant	600162	\$ 36,006	\$ -	\$ 36,006	R	Stronger Country Grant	Nil actuals 2017/18
Lithgow Basketball Court Improvements - Stronger Country	600163	\$ 74,315	\$ 13,888	\$ 60,427	R	Stronger Country Grant	\$254,698 2018/19 budget for basketball stadium (revenue / grant funded) -> c/o balance of commitment 2017/18 Stronger Country grant
			Sub-total	\$ 404,954			

Buildings

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Rydal Toilet Block	400038	\$ 90,000	\$ -	\$ 90,000	R	Building Reserve	Not commenced in 2017/18
Centrelink Lighting	400101	\$ 37,057	\$ 18,711	\$ 9,255	C	Building Reserve	Carryover of commitment
Building Program - Annual Allocation	400049	\$ 50,000	\$ 34,901	\$ 15,099	R	Building Reserve	Needed to finalise some extra work on the new toilet blocks
Endeavour Park Toilets	400037	\$ 6,000	\$ -	\$ 6,000	R		The toilets are constructed and operational. This is the remaining screen printing. Selection of images to complement the Adventure Playground project.
LINC Grease Trap Installation	400058	\$ 20,000	\$ -	\$ 20,000	R	Special Rate Variation	Site issues. Existing drainage may require modification which was not part of the project.
			Sub-total	\$ 140,354			

Information Technology

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
CCTV Security Cameras - Annual Allocation	600013	\$ 20,000	\$ 6,850	\$ 13,150	R		Quotes still need to be obtained (via VendorPanel) for the Showground CCTV upgrade.
TechnologyOne Asset Management Solution	600151	\$ 264,601	\$ 186,233	\$ 78,368	C		Carryover commitment
Sub-total				\$ 91,518			

Tourism

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
New Billboards	600079	\$ 10,000	\$ 1,291	\$ 3,000	C		Carryover commitment
Sub-total				\$ 3,000			

Operations

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Depot Improvements	100027	\$ 108,296	\$ 29,754	\$ 78,542	R		Carry forward for the implementation of the new barcoding system at the Lithgow Store. Carry forward remainder for construction of new storage shed at Lithgow Depot (commenced, order raised and materials ordered).
Lake Lyell Septic Upgrade	100263	\$ 50,000	\$ 10,396	\$ 39,604	R		\$10,000 spent on one septic tank. Unsure of remaining scope. To discuss with IFS. \$800K budget 18/19
Lake Wallace - Power Upgrade	100264	\$ 30,000	\$ -	\$ 30,000	R		For the baseball area, unsure of scope. Needs to be done in 18/19, essential work. To discuss with IFS
Wallerawang Skatepark Renewal	100284	\$ 100,000	\$ 10,916	\$ 89,084	R		Insufficient funds, proposed to carry forward to contribute to future grant funding applications.
Portland Skatepark Renewal	100285	\$ 100,000	\$ 10,035	\$ 89,965	R		Insufficient funds, proposed to carry forward to contribute to future grant funding applications.
Lithgow CBD Revitalisation	100007	\$ 2,650,419	\$ 2,601,402	\$ 49,017	R		Multi-year project
Urban Resealing	100166	\$ 200,000	\$ -	\$ 200,000	R		Budget comprises two projects - Tank Street and Bridge Street. Tank Street is complete under PJ100343 at a cost of \$130,043. Application made to offset some cost with R2R funding. Bridge Street not yet complete as it is awaiting water main reconstruction agreed to by W&WW at the start of financial year.
Drainage Improvements Capital - Main St Lithgow	100303	\$ 50,000	\$ 15,059	\$ 34,941	R		As a result of the extended investigation, design, approvals and construction process, this is a two-year project. Additional funding has been allocated to this work in the 2018/19 Draft Operational Plan. \$138,904 2018/19 budget
Footpath Construction Capital - Main St Footpath	100317	\$ 156,783	\$ -	\$ 156,783	R		To be used to leverage future grant funding opportunities for additional stages of the Lithgow CBD Revitalisation. \$300,952 2018/19 budget
ILP - Lane Improvements - Falnash/Ilford Lane Portland	100322	\$ 19,000	\$ 10,912	\$ 550	C	Special Rate Variation	Carryover commitment
Roads to Recovery - Browns Gap Road Lithgow 2017/18	100340	\$ 176,706	\$ 124,078	\$ 37,238	C	Roads to Recovery grant	Project to commence May 2018. Contractors appointed.
ILP - Valley Drive, Lithgow	100394	\$ 48,909	\$ 11,028	\$ 37,882	R	Special Rate Variation	Revote approved - transfer to 12 Kirkley St Lithgow
Gravel Roads - Palmers Oakey Road	100286	\$ 520,000	\$ 103	\$ 519,897	R		Extensive surveys of the road carriageway have been undertaken and plans are currently being drawn for the reconstruction. Construction works will commence in 2018/19.
Sub-total				\$ 1,363,503			

Aquatics

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Aquatic Centre - Stage 4	100024	\$ 194,948	\$ 47,209	\$ 110,000	R	Loan	
Aquatic Centre - Improvements	100416	\$ 40,000	\$ 24,593	\$ 2,088	C		Carryover commitment
Sub-total				\$ 112,088			

LED Streetlighting Project

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
LED Streetlighting		\$ 405,280	\$ -	\$ 405,280	R	Unexpended Aquatics Loan	Project commenced 2018/19
Sub-total				\$ 405,280			

Water and Wastewater

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Funding Source	Comments
Chlorinator Renewal	200002	\$ 89,587	\$ 2,645	\$ 86,942	R		
Water Mains Renewal	200015	\$ 1,027,633	\$ 142,597	\$ 450,000	R		\$500K 2018/19 budget, 1 Project to carry forward
Water Loss Program	200011	\$ 207,756	\$ 70,303	\$ 137,453	C		Commitment for metered standpipes
Dam Safety Works	200003	\$ 414,883	\$ 171,635	\$ 243,248	R		
Reservoirs	200009	\$ 1,450,527	\$ 71,778	\$ 1,378,749	R		\$1,518,393 budget for 2018/19 - funded from loan
Pumping Station Renewal	200008	\$ 108,543	\$ 5,596	\$ 102,947	R		\$50K budget for 2018/19
Cullen Bullen Sewer Upgrade	300034	\$ 800,000	\$ 210	\$ 799,790	R		\$4M budget for 2018/19 - funded from loan & grant
Sewer Mains Renewal	300004	\$ 591,213	\$ 442,749	\$ 148,464	R		\$250K 2018/19 budget, carry forward to 18/19
Sewer Vent Replacement	300009	\$ 114,150	\$ 52,075	\$ 60,000	R		\$60K 2018/19 budget
Smoke Tester	300012	\$ 191,807	\$ 57,895	\$ 133,912	R		carry forward for re-tests
Portland STP Upgrade	300014	\$ 7,456,965	\$ 2,220,071	\$ 2,253,744	R		17/18 budget clarified \$1M budget for 2018/19 Funded from loan & grant
Telemetry Upgrade	300011	\$ 585,340	\$ 470,843	\$ 114,497	R		
Lithgow Sewerage Treatment Plant	300026	\$ 379,057	\$ 66,350	\$ 312,707	R		\$1M budget for 2018/19 - funded from loan & grant
Water Telemetry Upgrade	200001	\$ 416,299	\$ 318,462	\$ 97,837	R		
Oakey Park WTP	200012	\$ 255,390	\$ 344	\$ 255,046	R		\$200K 2018/19 budget
WTP Scada System	200035	\$ 268,578	\$ 55,749	\$ 212,829	R		\$2M 2018/19 budget, carry forward request
Sewer Pump Station Upgrade	300008	\$ 435,971	\$ 158,229	\$ 277,742	R		\$200K 2018/19 budget
West Bowenfels Sewer Delivery Area	300039	\$ 200,000	\$ 35,044	\$ 164,956	R		\$6,018.393 2018/19 budget
Sub-total				\$ 7,230,863			

Total Capital Carryover / Revotes \$ 9,959,135

RECOMMENDED 2017/18 CARRYOVER / REVOTES

OPERATIONAL PROJECTS

Environment

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
OEH Fine - Farmers Creek Master Plan	400112	\$ 29,260	\$ 5,236	\$ 24,024	R	OEH Fine money to be used to the rehabilitation of native vegetation in Farmers Creek
State of Environment Reporting	400107	\$ 4,000	\$ -	\$ 4,000	R	To engage a consultant to develop a regional SoER for LCC with other Councils in our region. Significant internal reporting has improved organisational data capture to ensure this money is used for the best outcome.
Roadside Vegetation Management	500033	\$ -	\$ -	\$ 35,750	R	Use of grant income received in 2017/18
Sub-total				\$ 63,774		

Waste

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Waste Infrastructure Feasibility Study	500026	\$ 30,000	\$ 2,540	\$ 27,460	R	Project on-going into 2018/19 - revote required to complete project.
Sub-total				\$ 27,460		

Community & Culture

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Youth Opportunities Grant	600161	\$ 48,000	\$ 9,945	\$ 38,055	R	Grant funded
Sub-total				\$ 38,055		

Economic Development

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Lake Wallace Management Plan		\$ 50,000	\$ -	\$ 46,000	R	Transfer of funds from Bushfire Mapping project
Lithgow LGA Business & Industry Future Strategy	600116	\$ 50,000	\$ -	\$ 20,000	R	Transfer of project from Corporate Governance
Sub-total				\$ 66,000		

Strategic Planning

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Floodplain Risk Management Plan	400106	\$ 70,000	\$ -	\$ 20,000	R	The project will not commence until 1st quarter of 18/19 with target completion by the 4th quarter. Application to OEI for \$50K grant funding
Sub-total				\$ 20,000		

Tourism

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Implementation of the Destination Management Plan	600105	\$ 47,853	\$ -	\$ 20,000	R	Was held pending commencement of Economic Development Manager
Sub-total				\$ 20,000		

People & Services

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
WHS Capture Training Needs	700039	\$ 35,000	\$ -	\$ 17,500	R	Required for TechOne HRP implementation & licence costs - Employee Development / Talent Management
Sub-total				\$ 17,500		

Water and Wastewater

Project Name	Project Number	Revised Budget	17/18 Actuals	Recommended C/O or Revote	Revote (R) or Carryover (C)	Comments
Water Mains Renewal	200015	\$ 1,027,633	\$ 43,494	\$ 50,000	R	Carry forward for operational - meter replacement program
Sub-total				\$ 50,000		

Total Operational Carryover / Revotes \$ 302,789

CARRYOVER / REVOTE RECOMMENDATIONS

Department	Capital	Operational	Total
Environment	\$ 41,720	\$ 63,774	\$ 105,494
Waste	\$ 165,855	\$ 27,460	\$ 193,315
Community & Culture	\$ 404,954	\$ 38,055	\$ 443,009
Buildings	\$ 140,354	\$ -	\$ 140,354
Aquatics	\$ 112,088	\$ -	\$ 112,088
Operations	\$ 1,363,503		\$ 1,363,503
Water & Wastewater	\$ 7,230,863	\$ 50,000	\$ 7,280,863
Strategic Planning		\$ 20,000	\$ 20,000
Economic Development		\$ 66,000	\$ 66,000
Information Technology	\$ 91,518		\$ 91,518
Tourism	\$ 3,000	\$ 20,000	\$ 23,000
People & Services		\$ 17,500	\$ 17,500
LED Streetlighting Project	\$ 405,280		\$ 405,280
	\$ 9,959,135	\$ 302,789	\$ 10,261,924

Water & Wastewater	\$ 7,230,863	\$ 50,000	\$ 7,280,863

General Fund	\$ 2,728,272	\$ 252,789	\$ 2,981,061

2018/19 DRAFT CAPITAL PROGRAM

	2018/20 Original Budget	Carryovers / Revotes	Total Budget
Aquatics	\$ 47,605	\$ 112,088	\$ 159,693
Bridges	\$ 228,295		\$ 228,295
Buildings	\$ 2,130,362	\$ 140,354	\$ 2,270,716
Bus Shelters	\$ 15,695		\$ 15,695
Cemetery	\$ 25,000		\$ 25,000
Cultural Heritage	\$ 60,000		\$ 60,000
Depot Improvements	\$ 100,000	\$ 78,542	\$ 178,542
Drainage	\$ 452,284		\$ 452,284
Environment	\$ 300,000	\$ 41,720	\$ 341,720
Eskbank House	\$ 51,390	\$ -	\$ 51,390
Footpaths	\$ 471,352		\$ 471,352
Information Technology	\$ 411,956	\$ 91,518	\$ 503,474
LED Streetlighting Project	\$ -	\$ 405,280	\$ 405,280
Library	\$ 22,300		\$ 22,300
Lithgow CBD	\$ 2,692,335	\$ 49,017	\$ 2,741,352
Plant	\$ 1,200,000		\$ 1,200,000
Recreation	\$ 2,685,879	\$ 653,607	\$ 3,339,486
Roads	\$ 3,380,509	\$ 987,290	\$ 4,367,799
Tourism	\$ 35,000	\$ 3,000	\$ 38,000
Waste	\$ 1,780,000	\$ 165,855	\$ 1,945,855
Water	\$ 2,518,393	\$ 2,965,051	\$ 5,483,444
Wastewater	\$ 13,528,393	\$ 4,265,812	\$ 17,794,205
Water / Wastewater	\$ 150,000		\$ 150,000
Grand Total	\$ 32,286,748	\$ 9,959,135	\$ 42,245,883

Water & Wastewater	\$ 16,196,786	\$ 7,230,863	\$ 23,427,649

General Fund	\$ 16,089,962	\$ 2,728,272	\$ 18,818,234

Audit Action List 2017-18

Completed
On Track
At Risk
Overdue

	Audit Title	Owner	Responsible Officer	Finding Number	Finding	Risk	Recommendation	Management Action	Status	Comment	Action Due	Action Complete
1	2016/17 Interim Audit Management Letter	General Manager	Chief Financial & Information Officer	1.1	Strengthening Council's legislative compliance framework	Extreme	Management should develop a legislative compliance register and policy to strengthen Council's legislative compliance framework	Policy and compliance register to be compiled.		A Compliance Policy has been drafted and adopted by Council at the 23 April 2018 meeting. An Excel Compliance Register has been prepared and tasks have been allocated. Compliance actions will be recorded and allocated in Pulse, this is currently under development.	30-Jun-18	30-Jun-18
2	2016/17 Interim Audit Management Letter	Chief Financial & Information Officer	Financial Services Manager	1.2	Review of changes to the supplier masterfile	Moderate	Management should: * ensure the supplier masterfile changes report is regularly reviewed by an appropriate officer as part of the month end procedures * formalise this review in the Council's procedures	Review of processes for creation and changes to vendor masterfile to be undertaken. SWP to be prepared that documents processes for creation, changes and review of masterfile.		Vendor bank account changes will only be made by the Accounting Cadet with the Financial Accountant providing backup. Supplier masterfile changes report to be reviewed monthly by senior Finance staff. A vendor masterfile SWP has been developed & endorsed by EMT, with process changes have been implemented with immediate effect.	30-Apr-18	25-Jun-18
3	2016/17 Interim Audit Management Letter	Chief Financial & Information Officer	Financial Services Manager	1.3	Monthly reconciliations	Moderate	Management should ensure reconciliations are prepared on a monthly basis and independently reviewed by an appropriate officer in a timely manner. The control should be evidenced through employee signatures or other electronic means.	Training to be given to other staff to ensure that reconciliations are undertaken. Reconciliations are to be signed by the Financial Services Manager or in their absence the CFIO.		Action completed. The appointment of a Financial Accountant will assist the Finance team to ensure timely completion of reconciliations.	31-Dec-17	31-Dec-17
4	2016/17 Interim Audit Management Letter	Chief Financial & Information Officer	Chief Financial & Information Officer	1.4	Evidence of review of the daily cash taking summary	Moderate	Management should ensure the daily cash taking summary is verified by another employee at the end of each day. Management should review processes and documentation to ensure a consistent approach is taken no matter which staff member is performing the task.	SWP Cash Handling to be updated to include independent verification and end of day procedures. Responsible positions are to be identified in the SWP.		A comprehensive review of the Cash Handling SWP has been completed. The updated Cash Handling SWP has been endorsed by EMT. Staff training will commence in February 2018.	31-Jan-18	28-Feb-18
5	2016/17 Interim Audit Management Letter	General Manager	General Manager	1.5	Excessive annual leave balances	Low	Management should review its approach to managing excessive annual leave balances. It should project employee leave balances to the end of the financial year, for example, on a monthly basis. Employees with leave balances projected to exceed 300 hours should be asked to provide a leave plan to reduce their excessive leave balances over an acceptable timeframe.	Extended annual closedown for Christmas / New Year 2017/18. A report has been prepared for the September Council meeting.		2017/18 action completed. EMT agreed in January 2018 that the 2 week Christmas / New Year shutdown should be continued. Managers / supervisors to prepare leave plans for staff with excessive leave balances.	25-Sep-17	25-Sep-17
6	2016/17 Interim Audit Management Letter	Chief Financial & Information Officer	Financial Services Manager	1.6	Credit card expenses missing supporting documentation	Low	Management should remind cardholders to provide sufficient supporting documentation for expenses and, if required, provide a statutory declaration where they cannot be provided.	Credit card management module to be implemented. Updated SWP to be developed in line with implementation. GM to send a memo to staff stating that if no sufficient evidence is supplied, they will be liable for payment.		Action is ongoing, the credit card management module will be implemented in late June to July (Purchasing & IT currently finalising implementation). Credit card usage is to be reviewed in 2018/19 as part of determining a Procurement Strategy.	1-Jun-18	June to July 2018
7	2016/17 Interim Audit Management Letter	General Manager	General Manager	1.7	Policies overdue for review	Low	Management should establish new target dates for all policies due for review. Management should consider formalising policy review procedures to establish a proactive approach to managing policy reviews.	Target dates will be set after Council's strategy direction is clarified in Oct / Nov 2017.		Action to review policies is ongoing. All Finance policies due for review have been updated and adopted by Council. The Executive Management Team has set target dates for other policies due for review. The Policy Register SWP has been updated and policy review is a standing agenda item for EMT meetings.	30-Nov-17	30-Jun-18
8	2016/17 Final Audit Management Letter	Chief Financial & Information Officer	Financial Services Manager	1.1	No independent review of journals	Moderate	All general journals should be signed by an independent staff member as evidence of review and authorisation, preferably prior to the journal being posted within TechOne. Another option is for management to implement a targeted detective control, such as the review of monthly journal reports.	Action will be taken to ensure that all general journals are signed by an independent staff member as evidence of review and authorisation prior to the journal being posted within TechOne.		Action has been taken to ensure that all general journals are signed by an independent staff member as evidence of review and authorisation.	31-Dec-17	31-Dec-17
9	2016/17 Final Audit Management Letter	Chief Financial & Information Officer	Financial Services Manager	1.2	Ex-employees remaining as bank signatories as at 30 June 2017	Low	Council should establish a process to update bank signatories when staff leave and perform a review of signatories annually to ensure they are kept up to date.	Council will establish a process to update bank signatories when staff leave and perform a review of signatories on 30 June of each year to ensure they are kept up to date.		Council has established a process to update bank signatories when staff leave and will perform a review of signatories on 30/6/18 to ensure they are up to date.	31-Dec-17	31-Dec-17
10	2016/17 Final Audit Management Letter	Chief Financial & Information Officer	Financial Services Manager	1.3	Council does not recognise their investments in associates	Moderate	Council should review its position and assess if the accounting treatment applied continues to be appropriate.	Council will recognise its interest in the Upper Macquarie County Council as a Note 19 disclosure from the 2017/18 year.		Council will recognise its interest in the Upper Macquarie County Council as a Note 19 disclosure from the 2017/18 year.	30-Jun-18	30-Jun-18
11	2016/17 Final Audit Management Letter	Organisational Development Manager	Organisational Development Manager	1.4	Employee contracts need to be updated to reflect correct salary	Low	Council should conduct a review of employee contracts. New contracts should be issued if out of date. Letters should be issued to employees formalising any salary increases each year. These letters should be signed by the General Manager and a copy retained on employee permanent files.	For Key Management Personnel (as defined in the Related Parties Disclosure Policy), contracts executed more than 3 years ago will be reviewed and updated. Confirmation of any salary increases will be sent to employees at the commencement of each financial year. The confirmation will be signed off by the relevant Director and a copy retained on employee files.		For Key Management Personnel, contracts executed more than 3 years ago have been reviewed and updated.	30-Jun-18	25-Jun-18

Audit Action List 2018-19

Completed
On Track
At Risk
Overdue

	Audit Title	Responsible Officer	Issue Number	Finding	Risk	Recommendation	Management Action	Status	Comment	Action Due	Action Complete
1	2017/18 Interim Audit Management Letter	IT Manager	1.1	Disaster Recovery Plan testing	Moderate	<i>We recommend management perform full-scale tests of the disaster recovery plan once a year so that critical changes can be noted and updated in the plan and potential disaster situations can be adequately tested to ensure the Council is ready should a potential 'disaster situation' arise. We understand from management that plans are in place to execute this testing.</i>	Management will perform full-scale tests of the disaster recovery plan once a year. As mentioned in the recommendation, management has plans in place to execute this testing.		A full-scale test of the disaster recovery plan will be performed by the end of Quarter 3 2018/19.	31-Mar-19	
2	2017/18 Interim Audit Management Letter	Financial Services Manager	1.2	New accounting standards not yet effective	Moderate	<i>We recommend management assess the impact of the upcoming accounting standards as there may be significant reporting differences. This includes ensuring there are appropriate resources to understand and respond to the required changes to financial reporting systems, policies, processes and in training staff.</i>	Management's preliminary assessment is that the new accounting standards will have no material impact on financial reporting systems, policies, processes and staff training. Council has no financial instruments and minimal leases. Management will complete a detailed written assessment of the impact of the new accounting standards. It is noted that the OLG only released transition guidance to councils on 2 August 2018.		Management will complete a detailed written assessment of the impact of the new accounting standards by 31 December 2018.	31-Dec-18	
3	2017/18 Interim Audit Management Letter	Chief Financial & Information Officer	1.3	Evidence of review of the daily cash taking summary	Moderate	<i>We recommend management:</i> • <i>ensure the daily cash taking summary is verified by another employee at the end of each day. If there is no staff available at reception, another staff member in the office should perform the review</i> • <i>review processes and documentation to ensure a consistent approach is taken no matter what staff member is performing the task.</i>	The recommended action was taken when the issue was brought to management's attention during the interim audit.		Action completed. The daily cash taking summary is verified by another employee at the end of each day. Finance will undertake regular checks to ensure compliance.	31-May-18	31-May-18
4	2017/18 Interim Audit Management Letter	Financial Services Manager	1.4	Monthly reconciliations	Moderate	<i>We recommend management ensure reconciliations are prepared monthly and independently reviewed by an appropriate officer in a timely manner. The control should be evidenced through employee signatures or other electronic means.</i>	A Financial Accountant was appointed in May 2018. The Financial Accountant is responsible for reviewing all balance sheet reconciliations. The issue was addressed as soon as it was brought to management's attention during the interim audit.		Action completed. The appointment of a Financial Accountant has assisted the Finance team to ensure timely completion of reconciliations.	31-May-18	31-May-18
5	2017/18 Interim Audit Management Letter	IT Manager	1.5	Strengthening Council's IT policies/procedures	Moderate	<i>We recommend management:</i> • <i>define and document the standard operating policies and procedures for IT infrastructure. Documentation should address hardware and software components, security procedures such as authorisations</i>	Management will develop an IT infrastructure policy as per the recommendation.		An IT infrastructure policy will be developed by 31/12/18	31-Dec-18	
6	2017/18 Interim Audit Management Letter	IT Manager	1.6	Password configuration management	Moderate	<i>We recommend management identify and implement password parameters for the general ledger to meet the minimum standards. We acknowledge that the Council had a security audit completed in May and took actions to improve password parameters in June.</i>	Password parameters were improved in June 2018. Management has provided evidence to substantiate implementation of the recommendation.		Password parameters were improved in June 2018. Management has provided evidence to substantiate implementation of the recommendation.	30-Jun-18	30-Jun-18

	Audit Title	Responsible Officer	Issue Number	Finding	Risk	Recommendation	Management Action	Status	Comment	Action Due	Action Complete
7	2017/18 Interim Audit Management Letter	Executive Manager People and Services	1.7	Excessive annual leave	Low	<i>We recommend management review its approach to managing excessive annual leave balances. It should project employees leave balances to the end of the financial year on a monthly basis. Employees with leave balances projected to exceed 300 hours should be asked to provide a leave plan to reduce their excessive leave balances over an acceptable timeframe. Management should then approve the leave plans.</i> <i>We acknowledge that the Council is reviewing excessive leave balances and implementing a plan to reduce them. We understand that such leave could not be reduced to an acceptable level in a single year due to the need to backfill positions. We further understand that the General Manager has issued a directive to executive management to reduce excessive annual leave entitlements back to at least or less than eight weeks.</i> <i>We will review the annual leave balance as well as Council's plan during our final phase visit.</i>	Management has projected employee annual leave balances to the end of the 2018/19 financial year (evidence provided to auditors). Once the current plan to reduce annual leave balances below 8 weeks is completed by 30 November 2018, management will prepare a monthly annual leave projection report to the end of the financial year. Employees with leave balances projected to exceed 8 weeks between November 2018 and June 2019 will be asked to provide a leave plan to reduce their excessive leave balances over an acceptable timeframe. Management will then approve the leave plans.		Once the current plan to reduce annual leave balances below 8 weeks is completed by 30 November 2018, management will prepare a monthly annual leave projection report to the end of the financial year. Employees with leave balances projected to exceed 8 weeks between November 2018 and June 2019 will be asked to provide a leave plan to reduce their excessive leave balances over an acceptable timeframe. Management will then approve the leave plans.	30-Jun-19	

