

SHIRE OF SANDSTONE



INFRASTRUCTURE ASSET MANAGEMENT PLAN

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GLOSSARY

Annual service cost (ASC)

An estimate of the cost that would be tendered, per annum, if tenders were called for the supply of a service to a performance specification for a fixed term. The Annual Service Cost includes operating, maintenance, depreciation, finance/ opportunity and disposal costs, less revenue.

Asset class

Grouping of assets of a similar nature and use in an entity's operations (AASB 166.37).

Asset condition assessment

The process of continuous or periodic inspection, assessment, measurement and interpretation of the resultant data to indicate the condition of a specific asset so as to determine the need for some preventative or remedial action.

Asset management

The combination of management, financial, economic, engineering and other practices applied to physical assets with the objective of providing the required level of service in the most cost effective manner.

Assets

Future economic benefits controlled by the entity as a result of past transactions or other past events (AAS27.12).

Property, plant and equipment including infrastructure and other assets (such as furniture and fittings) with benefits expected to last more than 12 month.

Average annual asset consumption (AAAC)*

The amount of a local government's asset base consumed during a year. This may be calculated by dividing the Depreciable Amount (DA) by the Useful Life and totalled for each and every asset OR by dividing the Fair Value (Depreciated Replacement Cost) by the Remaining Life and totalled for each and every asset in an asset category or class.

Brownfield asset values**

Asset (re)valuation values based on the cost to replace the asset including demolition and restoration costs.

Capital expansion expenditure

Expenditure that extends an existing asset, at the same standard as is currently enjoyed by residents, to a new group of users. It is discretionary expenditure, which increases future operating, and maintenance costs, because it increases council's asset base, but may be associated with additional revenue from the new user group, eg. extending a drainage or road network, the provision of an oval or park in a new suburb for new residents.

Capital expenditure

Relatively large (material) expenditure, which has benefits, expected to last for more than 12 months. Capital expenditure includes renewal, expansion and upgrade. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

Capital funding

Funding to pay for capital expenditure.

Capital grants

Monies received generally tied to the specific projects for which they are granted, which are often upgrade and/or expansion or new investment proposals.

Capital investment expenditure

See capital expenditure definition

Capital new expenditure

Expenditure which creates a new asset providing a new service to the community that did not exist beforehand. As it increases service potential it may impact revenue and will increase future operating and maintenance expenditure.

Capital renewal expenditure

Expenditure on an existing asset, which returns the service potential or the life of the asset up to that which it had originally. It is periodically required expenditure, relatively large (material) in value compared with the value of the components or sub-components of the asset being renewed. As it reinstates existing service potential, it has no impact on revenue, but may reduce future operating and maintenance expenditure if completed at the optimum time, eg. resurfacing or resheeting a material part of a road network, replacing a material section of a drainage network with pipes of the same capacity, resurfacing an oval. Where capital projects involve a combination of renewal, expansion and/or upgrade expenditures, the total project cost needs to be allocated accordingly.

Capital upgrade expenditure

Expenditure, which enhances an existing asset to provide a higher level of service or expenditure that will increase the life of the asset beyond that which it had originally. Upgrade expenditure is discretionary and often does not result in additional revenue unless direct user charges apply. It will increase operating and maintenance expenditure in the future because of the increase in the council's asset base, eg. widening the sealed area of an existing road, replacing drainage pipes with pipes of a greater capacity, enlarging a grandstand at a sporting facility. Where capital projects involve a combination of renewal, expansion and/or upgrade

Life Cycle Cost **

The life cycle cost (LCC) is average cost to provide the service over the longest asset life cycle. It comprises annual maintenance and asset consumption expense, represented by depreciation expense. The Life Cycle Cost does not indicate the funds required to provide the service in a particular year.

Life Cycle Expenditure **

The Life Cycle Expenditure (LCE) is the actual or planned annual maintenance and capital renewal expenditure incurred in providing the service in a particular year. Life Cycle Expenditure may be compared to Life Cycle Cost to give an initial indicator of life cycle sustainability.

Loans / borrowings

Loans result in funds being received which are then repaid over a period of time with interest (an additional cost). Their primary benefit is in 'spreading the burden' of capital expenditure over time. Although loans enable works to be completed sooner, they are only ultimately cost effective where the capital works funded (generally renewals) result in operating and maintenance cost savings, which are greater than the cost of the loan (interest and charges).

Maintenance and renewal gap

Difference between estimated budgets and projected expenditures for maintenance and renewal of assets, totalled over a defined time (eg 5, 10 and 15 years).

Maintenance and renewal sustainability index

Ratio of estimated budget to projected expenditure for maintenance and renewal of assets over a defined time (eg 5, 10 and 15 years).

Maintenance expenditure

Recurrent expenditure, which is periodically or regularly required as part of the anticipated schedule of works required to ensure that the asset achieves its useful life and provides the required level of service. It is expenditure, which was anticipated in determining the asset's useful life.

Materiality

An item is material if its omission or misstatement could influence the economic decisions of users taken on the basis of the financial report. Materiality depends on the size and nature of the omission or misstatement judged in the surrounding circumstances.

Modern equivalent asset.

A structure similar to an existing structure and having the equivalent productive capacity, which could be built using modern materials, techniques and design. Replacement cost is the basis used to estimate the cost of constructing a modern equivalent asset.

Non-revenue generating investments

Investments for the provision of goods and services to sustain or improve services to the community that are not expected to generate any savings or revenue to the Council, eg. parks and playgrounds, footpaths, roads and bridges, libraries, etc.

Operating expenditure

Recurrent expenditure, which is continuously required excluding maintenance and depreciation, eg power, fuel, staff, plant equipment, on-costs and overheads.

Pavement management system

A systematic process for measuring and predicting the condition of road pavements and wearing surfaces over time and recommending corrective actions.

Planned Maintenance**

Repair work that is identified and managed through a maintenance management system (MMS). MMS activities include inspection, assessing the condition against failure/breakdown criteria/experience, prioritising scheduling, actioning the work and reporting what was done to develop a maintenance history and improve maintenance and service delivery performance.

PMS Score

A measure of condition of a road segment determined from a Pavement Management System.

Rate of annual asset consumption*

A measure of average annual consumption of assets (AAAC) expressed as a percentage of the depreciable amount (AAAC/DA). Depreciation may be used for AAAC.

Rate of annual asset renewal*

A measure of the rate at which assets are being renewed per annum expressed as a percentage of depreciable amount (capital renewal expenditure/DA).

Rate of annual asset upgrade*

A measure of the rate at which assets are being upgraded and expanded per annum expressed as a percentage of depreciable amount (capital upgrade/expansion expenditure/DA).

Reactive maintenance

Unplanned repair work that carried out in response to service requests and management/supervisory directions.

Recoverable amount

The higher of an asset's fair value, less costs to sell and its value in use.

1. EXECUTIVE SUMMARY

What the Shire of Sandstone Provides

The Shire of Sandstone provides a range of infrastructure assets to enable services to be delivered to the community.

This plan covers the following assets:-

Roads and footpath assets with a replacement value of \$30,658,965

Buildings with a replacement value of \$3,957,562

Plant and Equipment with a replacement value of \$3,499,272

Parks assets with a replacement value of \$124,732

Other infrastructure including airport with a replacement value of \$582,272

What does it Cost?

There are two key indicators of cost to provide the services the Shire of Sandstone provides:

- The life cycle cost being the average cost over the life cycle of the asset, and
- The total maintenance and capital renewal expenditure required to deliver existing service levels in the next 10 years covered by The Shire's long term financial plan.

The life cycle cost to provide the infrastructure services are estimated at \$1,750,029 per annum. The Shire's planned life cycle expenditure for year 1 of the asset management plan is \$1,967,429 which gives a life cycle sustainability index of 1.12.

The Shire's long term financial plan covers the first 10 years of the 20 year planning period. The total maintenance and capital renewal expenditure required over the 10 years is \$22,502,330

This is an average expenditure of \$2,250,230. Estimated maintenance and capital renewal expenditure in year 1 is \$1,967,429. The 10 year sustainability index is 0.87

Plans for the Future

This Asset Management Plan is an initial plan and there are a number of areas where the information is limited or confidence in the quality of data is low. It is intended that these issues will be addressed in subsequent versions of the plan.

The Shire plans to operate and maintain the infrastructure assets to achieve the following strategic objectives.

1. Ensure the assets are maintained at a safe and functional standard as set out in this asset management plan.
2. Continue to maintain the infrastructure assets to a standard that ensures that services are delivered to the community effectively and to the Levels of Service contained in this plan.

2. INTRODUCTION

2.1 Background

This asset management plan is to demonstrate responsive management of assets (and services provided from assets), compliance with regulatory requirements, and to communicate funding required to provide the required levels of service.

The asset management plan is to be read in conjunction with the following:

- Forward Capital Works Plan 2010-11 to 2014-15
- Sandstone Annual Report 2010-11
- Shire of Sandstone Plan for the Future 2008/9 to 2007/18
- Shire of Sandstone Asset Management Policy

This asset management plan covers the following infrastructure assets:

- Airport Infrastructure
- Buildings
- Other Infrastructure
- Plant and Equipment
- Parks Infrastructure
- Footpaths
- Roads

Table 2.1 Assets covered by this Plan

Asset category	Dimension	Replacement Value (\$)
Airport Infrastructure	1	\$169,074
Buildings		
Council	11	\$525,626
Recreation	7	\$515,427
Civic/Public	7	\$316,528
Housing	13	\$2,248,906
Other	2	\$351,075
Other Infrastructure	n/a	\$423,198
Plant & Equipment	137	\$3,499,272
Parks Infrastructure	n/a	\$124,732
Footpaths	0.3km	\$34,923
Roads*		

- Managing risks associated with asset failures
- Sustainable use of physical resources
- Continuous improvement in asset management practices¹

This asset management plan is prepared under the direction of the Shire's vision, mission, goals and objectives.

The Shire of Sandstone's vision is:

To protect, preserve and develop the social, environmental and physical infrastructure of the district to ensure that Sandstone remains a viable service centre for the various economic, commercial and community interests of the residents and visitors.

The Shire of Sandstone's objectives are:

- To provide good governance to the community
- To astutely manage the financial affairs of the Shire
- To maintain and improve the Shires road network
- To preserve and promote Sandstone's heritage
- To promote tourism and provide information services
- To foster the economic capacity of the district

Relevant Shire goals and objectives and how these are addressed in this asset management plan are:

Table 2.2 Shire Goals and how these are addressed in this Plan

Goal	How Goal and Objectives are addressed
To achieve sustainable economic and population growth in the Shire of Sandstone.	By providing for the effective maintenance, renewal and development of infrastructure assets in Sandstone, and by ensuring that those assets are effectively managed to deliver the required services.
To maintain and further enhance the mining industry in Sandstone.	By providing for the effective maintenance, renewal and development of infrastructure assets in Sandstone, and by ensuring that those assets are effectively managed to deliver the required services.
To provide a safe environment where young families and retirees can enjoy a rural lifestyle with a diverse sporting, recreational and social life, social familiarity and a varied choice of land and accommodation.	By providing for the effective maintenance and renewal of sports and recreation and housing assets in Sandstone, and by ensuring that those assets are effectively managed to deliver the required services.

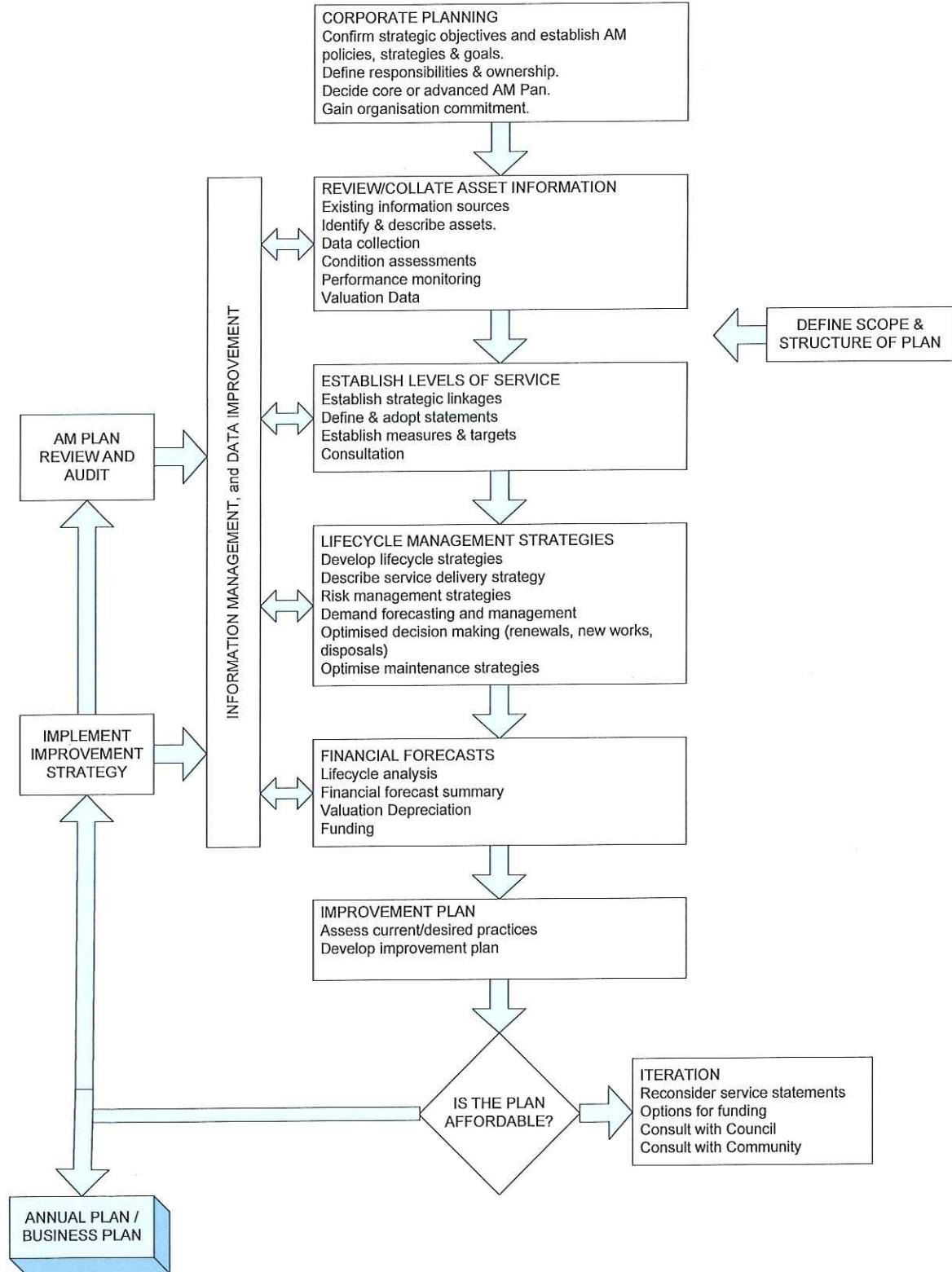
2.3 Plan Framework

Key elements of the plan are:

- Levels of service – specifies the services and levels of service to be provided by the Shire
- Future demand – how this will impact on future service delivery and how this is to be met

¹ IIMM 2006 Sec 1.1.3, p 1.3

Road Map for preparing an Asset Management Plan
Source: IIMM Fig 1.5.1, p 1.11



3. LEVELS OF SERVICE

3.1 Customer Research and Expectations

The Shire of Sandstone has not carried out any research on customer expectations. This will be investigated for future updates of the asset management plan.

3.2 Legislative Requirements

The Shire has to meet many legislative requirements including Australian and State legislation and State regulations. These include:

Table 3.2 Legislative Requirements

Legislation	Requirement
Local Government Act	Sets out role, purpose, responsibilities and powers of local governments including the preparation of a long term financial plan supported by asset management plans for sustainable service delivery.
Land Use Planning Act and Regulations	Provides a framework for the control and regulation of developments throughout the state. It also provides legislative provisions around environmental controls and impacts on development.
Disability Discrimination Act	Eliminates, as far as possible, discrimination against persons on the ground of disability and to ensure, as far as practicable, those persons with disabilities have the same rights to equality before the law as the rest of the community.
Occupational Health and Safety	<p>The purpose of the Act as it relates to infrastructure asset management is to:</p> <ul style="list-style-type: none"> • to protect people at a place of work against risks to health or safety arising out of the activities of persons at work • to promote a safe and healthy work environment for people at work that protects them from injury and illness and that is adapted to their physiological and psychological needs • to ensure that risks to health and safety at a place of work are identified, assessed and eliminated or controlled, • to deal with the impact of particular classes or types of dangerous goods and plant at, and beyond, places of work
Australian Accounting Standard	Ensures that appropriate and consistent accounting standards are implemented across the industry.
Building Code of Australia	Ensures safe standards for building design and constructions throughout Australia.

Key Performance Measure	Level of Service	Performance Measurement Process	Target Performance	Current Performance
	Assessed footpath condition	Condition assessment	Current average footpath condition to be maintained	To be confirmed
Sustainability	Roads network is managed sustainably	State of the roads assets*	Current percentage is maintained	66%
Cost effectiveness	Maintenance undertaken in an efficient manner	Maintenance cost of sealed and unsealed roads	Current costs \$/km does not increase (allowing for inflation)	\$1,020/km 2010/11

* Appendix 20, WALGA Report of Local Government road assets and expenditure. Group is Agricultural Shires without large towns

Table 3.4 Current Service Levels - buildings and structures

Key Performance Measure	Level of Service	Performance Measurement Process	Target Performance	Current Performance
COMMUNITY LEVELS OF SERVICE				
Quality	Buildings and structures are provided to an acceptable quality	Number of complaints about Shire buildings and structures quality	No increase in current number/year	To be confirmed
Function	User requirements for availability are met	Number of complaints about community halls and public/civic buildings availability	No increase in current number/year	To be confirmed
	Customer satisfaction with Shire buildings and facilities	Community Survey	Current performance rating is maintained	To be confirmed
Safety	Safe buildings are provided	Number of injury accidents caused by the quality or condition of Shire buildings and structures	0	To be confirmed
TECHNICAL LEVELS OF SERVICE				
Condition	Assessed condition of buildings and structures	Condition assessment as part of annual inspection	Current condition to be maintained	To be confirmed
Safety	Compliance with safety legislation	Safety inspection as part of annual inspection	100% compliance with safety legislation	To be confirmed

4. FUTURE DEMAND

4.1 Demand Forecast

Factors affecting demand include population change, changes in demographics, seasonal factors, vehicle ownership, consumer preferences and expectations, economic factors, agricultural practices, environmental awareness, etc.

Demand factor trends and impacts on service delivery are summarised in Table 4.1.

Table 4.1 Demand Factors, Projections and Impact on Services

Population	The population of the Shire of Sandstone is currently approximately 133	It is forecast that the population of Sandstone will be stable over the next 10 years with a shift in the demography to the 50+ age group.	The increase the 50+ demographic is likely to increase demand services required by residents in the over 50 age bracket.
Demographics	In 2012 work age persons represent approximately 65% of the Shire's population (90 people) whilst persons aged greater than 65 represent 15% (20 people)	In 2022 it is estimated that work age persons will represent approximately 47% of the Shire's population whilst persons aged greater than 65 will represent 28% (40 persons)	The increase in the %age older persons in the community will lead to an increased demand on older person's services.
Tourism	Moves to develop tourism in the Shire are in the process of being implemented	Increase in numbers of visitors to the Shire	Increase in demand on roads assets and built assets including the caravan park
Mining	There is the potential for mining in the shire to started commercially	This would result in increased employment, utility and infrastructure requirements	It is expected that any increase in mining activities would result in higher local road usage
Community Expectations	The communities expectations about the levels and scope of services provided by the Shire have increased over the last few years	The increase in expectation is likely to continue	There will be increased expectations from the community over services offered to aged persons.

4.2 Changes in Technology

Technology changes may affect the delivery of services covered by this plan as a result of improvements to construction materials and methods and more efficient operational practices. These may increase the life of some assets and reduce the risk of damage. Technology changes may also affect the level and nature of demand for some assets.

4.3 Demand Management Plan

Demand for new services will be managed through a combination of managing existing assets, upgrading existing assets and providing new assets to meet demand and demand management. Demand management practices include non-asset solutions, insuring against risks and managing failures.

5. LIFECYCLE MANAGEMENT PLAN

The lifecycle management plan details how the Shire plans to manage and operate the assets at the agreed levels of service (defined in section 3) while optimising life cycle costs.

5.1 Background Data

5.1.1 Physical parameters

The assets covered by this asset management plan are shown in table 5.1 below.

Table 5.1 Assets

Asset category	Dimension	Replacement Value (\$)
Airport Infrastructure	1	\$169,074
Buildings		
Council	11	\$525,626
Recreation	7	\$515,427
Civic/Public	7	\$316,528
Housing	13	\$2,248,906
Other	2	\$351,075
Other Infrastructure	n/a	\$423,198
Plant & Equipment	137	\$3,499,272
Parks Infrastructure	n/a	\$124,732
Footpaths	0.3km	\$34,923
Roads		
Formation	435km	\$6,374,201
Seal	10km	\$9,712,209
Pavements	311km	\$14,572,285
TOTAL		\$38,867,456

5.1.3 Asset condition

The average condition profile of the Shire's assets is shown in table 5.3 below.

Table 5.3 Average Asset Condition

	Average Condition
Airport Infrastructure	2
Buildings - Housing	2
Buildings - Offices	4
Buildings - Other	3
Plant & Equipment	3
Parks Infrastructure	3
Footpaths	3
Road Formation	2
Road Seal	2
Pavements	3

Condition is measured using a 1 – 5 rating system as shown in table 5.4 below

Table 5.4 Condition Rating System

Rating	Condition	Residual Life - %age of Useful Life	Mean %age Residual Life
1	Excellent condition: Only planned maintenance required.	>86	95
2	Very good: Minor maintenance required plus planned maintenance.	65 to 85	80
3	Good: Significant maintenance required.	41 to 64	55
4	Average: Significant renewal/upgrade required.	10 to 40	35
5	Poor: Unserviceable	<10	5

5.2 Risk Management Plan

An assessment of risks associated with service delivery from infrastructure assets has identified critical risks to the Shire. The risk assessment process identifies credible risks, the likelihood of the risk event occurring, the consequences should the event occur, develops a risk rating, evaluates the risk and develops a risk treatment plan for non-acceptable risks.

The identified risks are summarised in Table 5.6.

Table 5.6. Critical Risks and Treatment Plans

Risk	Consequence	Risk Rating	Risk Treatment Plan
Overall condition of assets decreases due to inadequate renewal programs	Levels of Service not achieved	High	Determine renewals priorities based on lifecycle costs and effects on service
Overall condition of assets decreases due to inadequate maintenance programs	Levels of Service not achieved	High	Determine maintenance priorities based on lifecycle costs and effects on service
Incorrect or incomplete asset data	Inaccurate financial forecasts and inappropriate maintenance and renewals programs	High	Undertake a data audit and collection program
Resource issues affect the management of the assets	Levels of Service not achieved, condition of assets deteriorates	High	Establish clear management plans, with forecast costs, to maintain Levels of Service and debate with Council
Unforeseen increases in fuel, plant and materials costs	Increased costs of carrying out maintenance and renewals	High	Monitor costs
Loss of power	Adverse effect on delivery of services and local economy	High	Continue to lobby for a more robust power network for the community
Changes in legislation affect the responsibilities of the Shire	Changes in costs and resource requirements	Low	Monitor legislative changes
Buildings owned by others on the Shire's land	The Shire takes over responsibility for the building if the owner defaults	Medium	Ensure lease conditions clearly identify owners responsibilities regarding building maintenance
Climate Change/major storm event	Demands on assets affected directly and via effects on local economy	Medium	Manage assets taking climate change into account
Asbestos in buildings	Potential for health issues	Medium	Implement program to remove asbestos from buildings

Roads	\$343,047	\$350,000
Pavements	\$1,577	\$0
TOTAL	\$1,120,016	\$1,504,226

Maintenance expenditure levels are generally considered to be adequate to meet required service levels given the increased budget in 2012-13. Note should be made however that there is no budget for pavement maintenance in 2012-13. A future revision of this asset management plan may include linking required maintenance expenditures with required service levels.

Reactive maintenance is carried out in response to customer service requests.

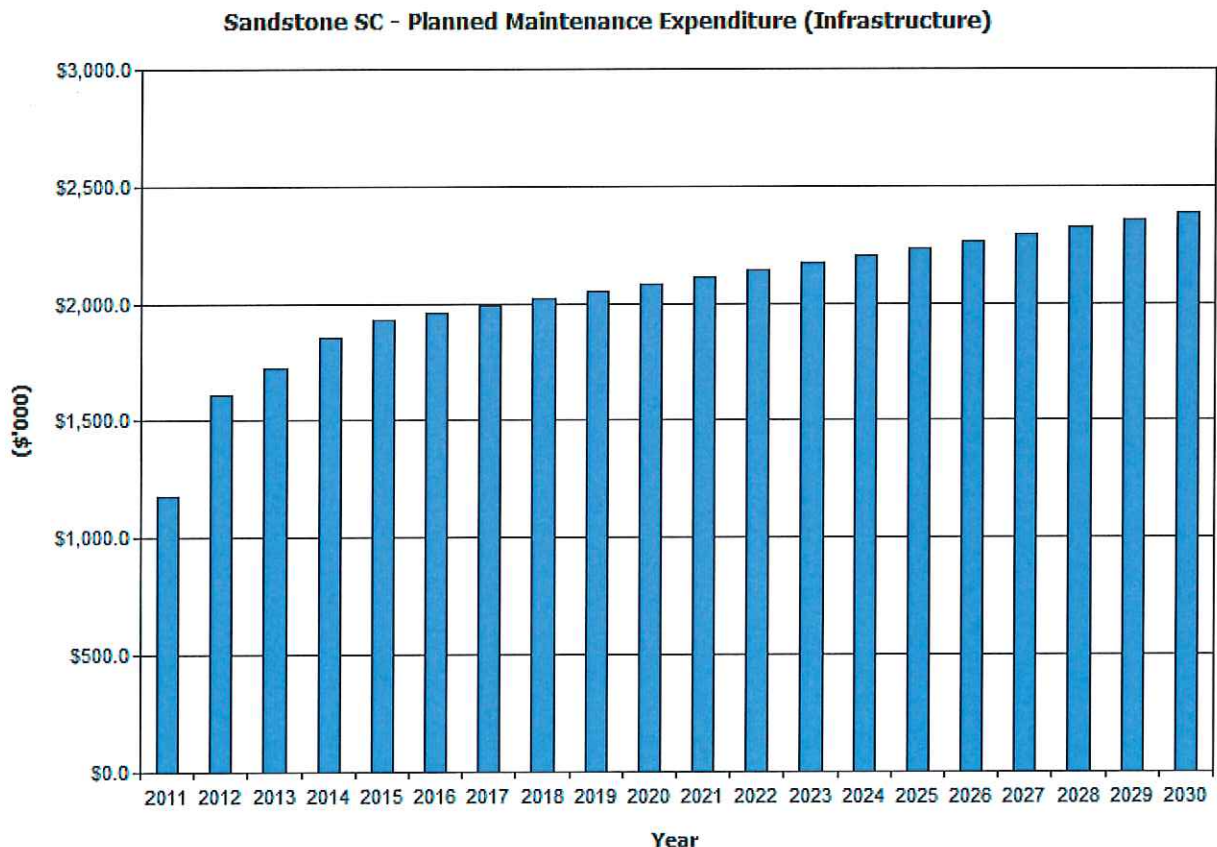
5.3.2 Standards and specifications

Maintenance work is carried out in accordance with all relevant Standards and Specifications.

5.3.3 Summary of future maintenance expenditures

Future maintenance expenditure is forecast to trend in line with the value of the asset stock as shown in Fig 2. Note that all costs are shown in current 2011/12 dollar values.

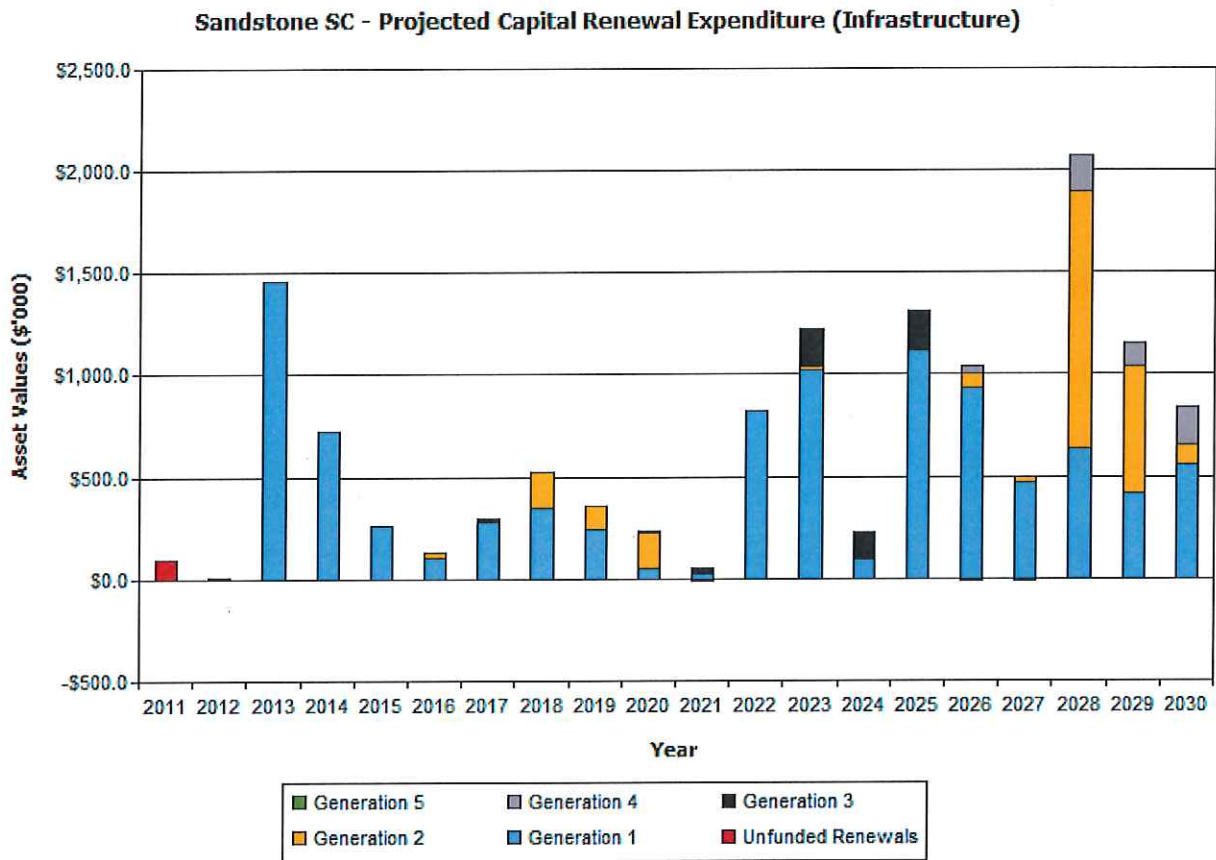
Fig 2. Planned Maintenance Expenditure



Deferred maintenance, ie works that are identified for maintenance and unable to be funded are to be included in the risk assessment process in the infrastructure risk management plan.

Maintenance is funded from the Shire's operating budget and grants where available. This is further discussed in Section 6.2.

Fig 3. Projected Capital Renewal Expenditure



In the above figure, unfunded renewals is the sum of the replacement costs of assets that have currently passed their renewal date, based on date of construction and useful life.

Generation 2 means assets that are being renewed for the second time in the plan period, e.g. road seals renewed in 2013 should be renewed again in 2028 as road seals have a 15 year life.

Deferred renewal, i.e. those assets identified for renewal and not scheduled for renewal in capital works programs are to be included in the risk assessment process in the risk management plan.

Renewals are to be funded from the Shire's capital works program and grants where available. This is further discussed in Section 6.2.

5.5 Creation/Acquisition/Upgrade Plan

New works are those works that create a new asset that did not previously exist, or works which upgrade or improve an existing asset beyond its existing capacity. They may result from growth, social or environmental needs. Assets may also be acquired at no cost to the Shire from land development.

5.5.1 Selection criteria

An informal prioritisation exercise has been undertaken by the Shire as part of the Forward Capital Works Plan. Part 3 of the plan identifies key risks associated with assets in the Shire and can therefore be used for reference when prioritising future projects. A formal process for selecting projects is recommended to facilitate the effective management of projects and maintenance of existing service levels within the Shire.

New assets and upgrade/expansion of existing assets are identified from various sources such as councillor or community requests, proposals identified by strategic plans or partnerships with other

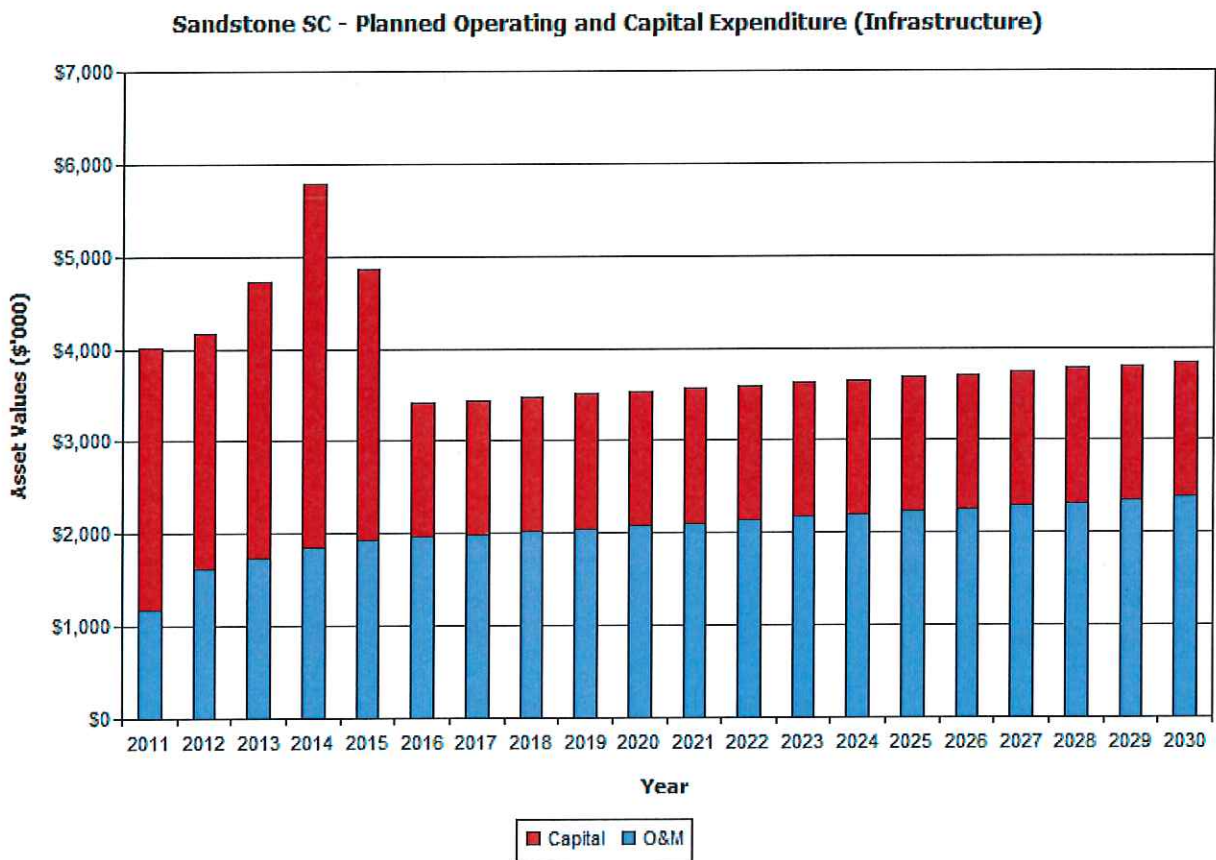
6. FINANCIAL SUMMARY

This section contains the financial requirements resulting from all the information presented in the previous sections of this asset management plan. The financial projections will be improved as further information becomes available on desired levels of service and current and projected future asset performance.

6.1 Financial Statements and Projections

The financial projections are shown in Fig 5 for projected operating (operations and maintenance) and capital expenditure (renewal and upgrade/expansion/new assets).

Fig 5. Planned Operating and Capital Expenditure



All costs are shown to 2011/12 price base.

6.1.1 Sustainability of service delivery

There are two key indicators for financial sustainability that have been considered in the analysis of the services provided by this asset category, these being long term life cycle costs and medium term costs over the 10 year financial planning period.

Long term - Life Cycle Cost

Life cycle costs (or whole of life costs) are the average costs that are required to sustain the service levels over the longest asset life. Life cycle costs include maintenance and asset consumption (depreciation expense). The annual average life cycle cost for the services covered in this asset management plan is \$1,750,029.

Note: Annual Average Life Cycle Costs are the required annual maintenance cost calculated on the basis of the percentages of replacement cost in 2011/12 in Table 6.2, plus the annual depreciation costs in 2011/12 calculated using the asset lives indicated in section 6.4 below.

Life cycle expenditure at the start of this plan is the maintenance costs incurred in 2011/12 plus the renewal expenditure in 2011/12.

Table 6.2. Maintenance Costs

Asset Class	Annual maintenance cost %age of replacement value
Airports	2.0%
Buildings	2.5%
Other infrastructure	2.0%
Plant and equipment	1.0%
Parks	2.0%
Formed roads	0.25%
Sealed Roads	1.0%
Unsealed roads	0.5%

This asset management plan identifies the estimated maintenance and capital expenditures required to provide an agreed level of service to the community over a 20 year period for input into a 10 year financial plan and funding plan to provide the service in a sustainable manner.

This may be compared to existing or planned expenditures in the 20 year period to identify any gap. In a core asset management plan, a gap is generally due to increasing asset renewals.

Fig 6 shows the projected asset renewals in the 20 year planning period from the asset register. The projected asset renewals are compared to planned renewal expenditure in the capital works program and capital renewal expenditure in year 1 of the planning period as shown in Fig 7.

Fig 7 Projected and Planned Renewals and Current Renewal Expenditure

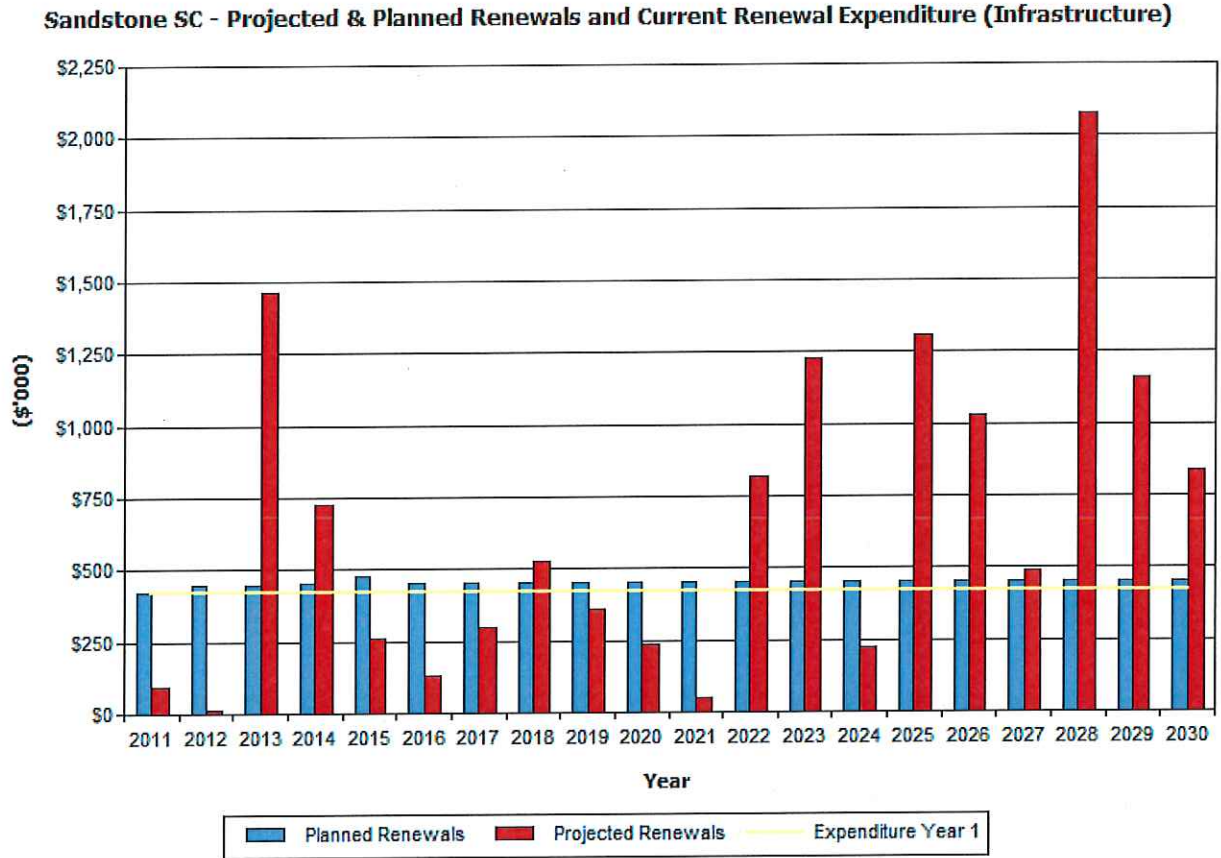
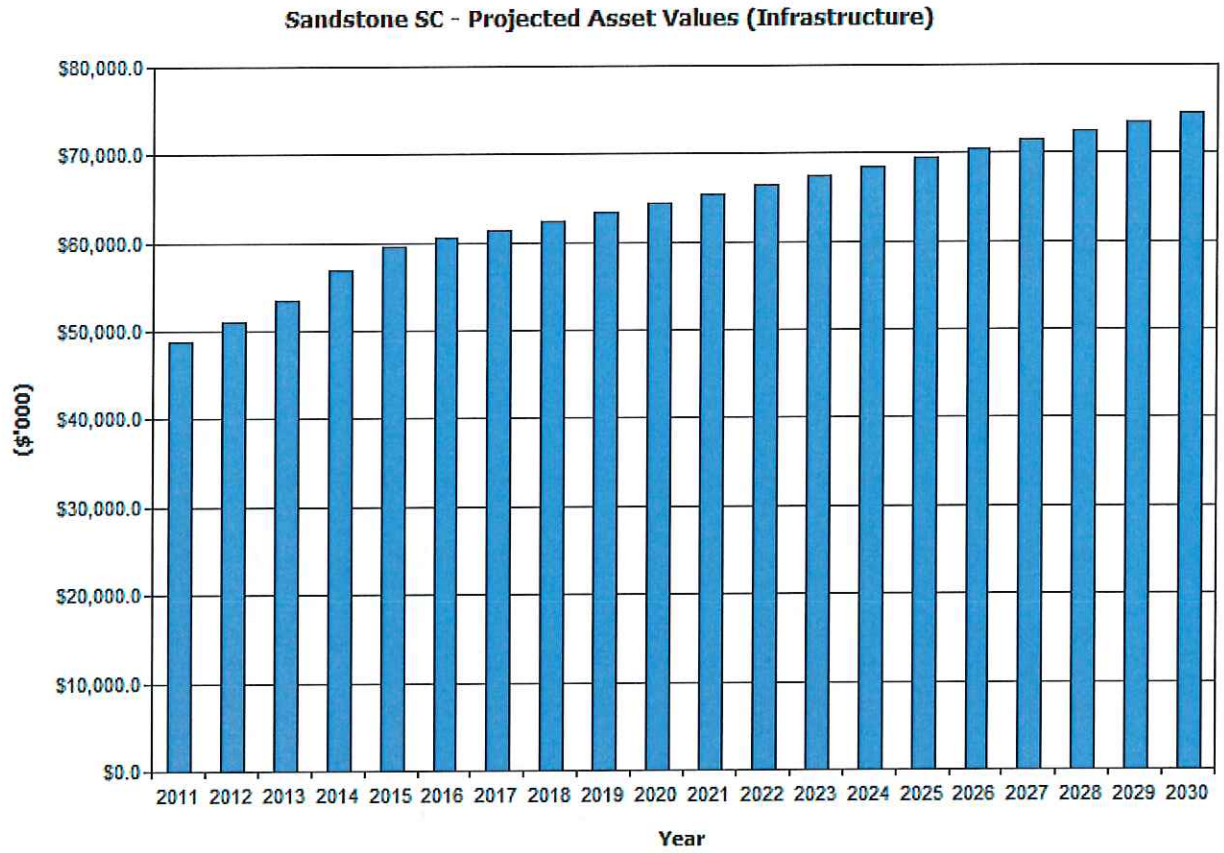


Table 6.3 shows the gap between projected and planned renewals.

Table 6.3 Projected and Planned Renewals and Expenditure Gap

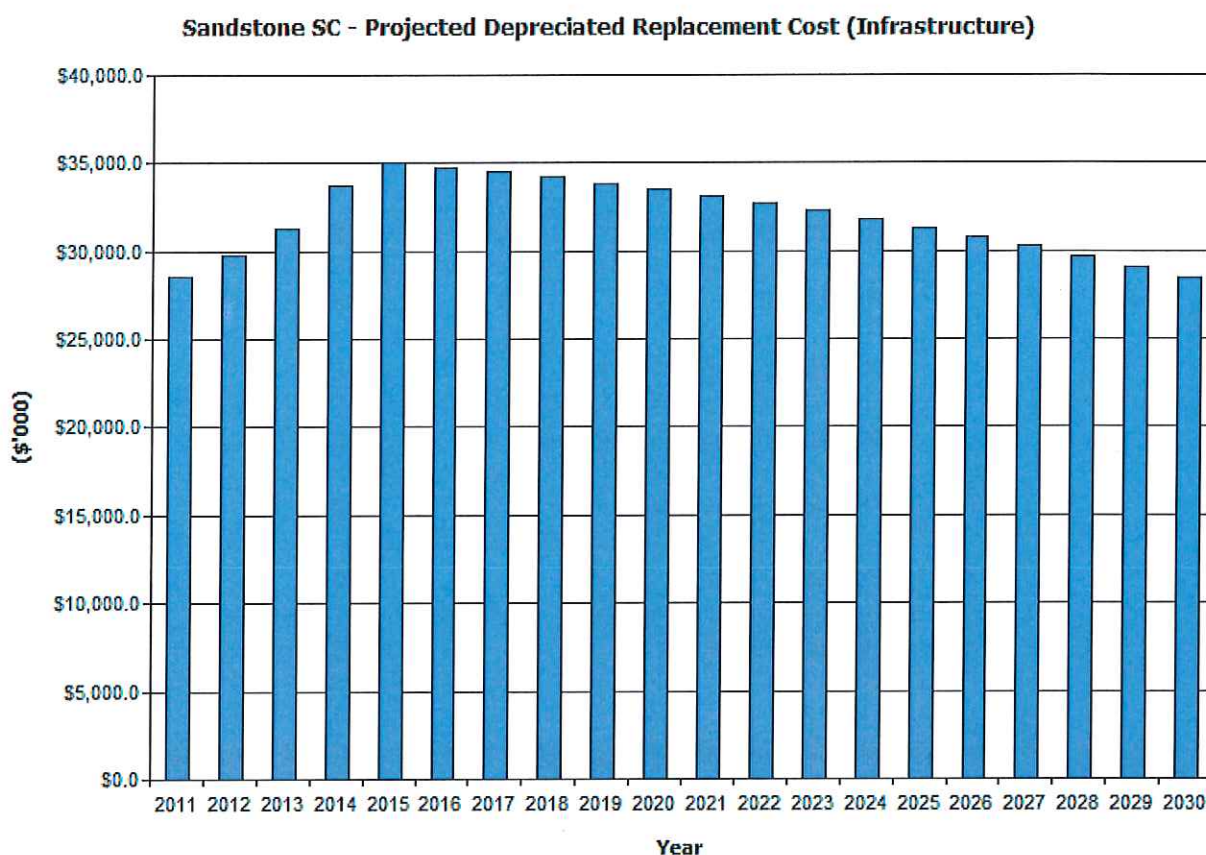
Year	Projected Renewals	Planned Renewals	Renewal Funding Gap	Cumulative Gap
2011	\$93.05	\$420.00	-\$326.95	-\$326.95
2012	\$10.83	\$447.41	-\$436.59	-\$763.54
2013	\$1,459.98	\$449.25	\$1,010.73	\$247.19
2014	\$728.19	\$451.01	\$277.18	\$524.37
2015	\$257.32	\$475.81	-\$218.50	\$305.88
2016	\$129.07	\$450.00	-\$320.93	-\$15.05
2017	\$295.85	\$450.00	-\$154.15	-\$169.20
2018	\$526.22	\$450.00	\$76.22	-\$92.98
2019	\$360.73	\$450.00	-\$89.27	-\$182.25

Fig 8 Projected Asset Values



Depreciation expense values are forecast in line with asset values as shown in Fig 9.

Fig 10 Projected Depreciated Replacement Cost



6.4 Key Assumptions made in Financial Forecasts

This section details the key assumptions made in presenting the information contained in this asset management plan and in preparing forecasts of required operating and capital expenditure and asset values, depreciation expense and carrying amount estimates. It is presented to enable readers to gain an understanding of the levels of confidence in the data behind the financial forecasts.

Key assumptions made in this asset management plan are:

- No allowance has been made for inflation
- Renewals and new/upgrade capital forecasts are in accordance with the Forward Capital Works Plan
- Maintenance costs allow for the forecast increase in assets due to development and increase demand on assets due to demand changes
- The average useful life and average remaining life of assets are based on current local knowledge, industry standards, historical trends and condition assessment
- Operations and maintenance forecasts have been based on current expenditure levels and percentages of replacement costs for each asset class.

Shire of Sandstone Long Term Financial Plan 2011 - 2021										
Statement of Cash Flows										
	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/21
	\$000s	\$000s	\$000s	\$000s	\$000s	\$000s	\$000s	\$000s	\$000s	\$000s
CASH FLOWS FROM OPERATING ACTIVITIES										
RECEIPTS										
Rates	1,014	1,234	960	998	1,038	1,080	1,123	1,168	1,215	1,263
Operating Grants, Subsidies & Contributions	2,772	1,392	2,156	2,236	2,357	2,404	2,494	2,586	2,684	2,785
Fees & Charges	110	204	108	112	117	121	126	131	137	142
Service Charges	6	9	9	9	10	10	11	11	11	12
Interest Earnings	410	266	151	128	119	112	103	91	78	66
Goods and Services Tax	28	16	-	-	-	-	-	-	-	-
Other Revenue	201	66	47	49	51	53	55	57	59	62
Sub-total	4,541	3,187	3,430	3,533	3,691	3,780	3,912	4,045	4,184	4,330
PAYMENTS										
Employee Costs	(924)	(1,003)	(1,076)	(1,119)	(1,164)	(1,210)	(1,259)	(1,309)	(1,361)	(1,416)
Materials & Contracts	(997)	(1,151)	(860)	(894)	(930)	(967)	(1,006)	(1,046)	(1,088)	(1,132)
Utilities (gas, electricity, water, etc.)	(101)	(88)	(92)	(95)	(99)	(103)	(107)	(111)	(116)	(120)
Insurance	(108)	(120)	(125)	(130)	(135)	(140)	(146)	(152)	(158)	(164)
Interest	-	-	-	-	-	-	-	-	-	-
Other Expenditure	(65)	(70)	(67)	(70)	(72)	(75)	(78)	(82)	(85)	(88)
Sub-total	(2,195)	(2,432)	(2,219)	(2,308)	(2,400)	(2,496)	(2,596)	(2,700)	(2,808)	(2,920)
Net Cash Provided by (Used In) Operating Activities	2,346	755	1,211	1,225	1,290	1,284	1,315	1,345	1,376	1,409
CASH FLOWS FROM INVESTING ACTIVITIES										
Payments for Development of Land Held for Resale	(17)	-	-	-	-	-	-	-	-	-
Payments for Purchase of Property, Plant & Equipment	(532)	(3,038)	(2,205)	(1,014)	(770)	(873)	(1,055)	(979)	(791)	(1,038)
Payments for Construction of Infrastructure	(1,326)	(1,573)	(1,094)	(1,071)	(972)	(1,011)	(1,051)	(1,094)	(1,137)	(1,183)
Advances to Community Groups	-	-	-	-	-	-	-	-	-	-
Proceeds from Advances	-	-	-	-	-	-	-	-	-	-
Non Operating Grants (for the Development of Assets)	1,095	1,052	881	50	50	50	50	50	50	50
Proceeds from Sales (excluding Land)	272	200	200	329	237	276	390	278	32	396
Proceeds from Sale of Land	49	78	-	-	-	-	-	-	-	-
Net Cash Provided by (Used In) Investing Activities	(459)	(3,281)	(2,218)	(1,705)	(1,455)	(1,558)	(1,666)	(1,744)	(1,846)	(1,774)
CASH FLOWS FROM FINANCING ACTIVITIES										
Repayment of Debentures	-	-	-	-	-	-	-	-	-	-
Proceeds from Self Supporting Loans	-	-	-	-	-	-	-	-	-	-
Proceeds from New Debentures	-	-	-	-	-	-	-	-	-	-
Net Cash Provided by (Used In) Financing Activities	-	-	-	-	-	-	-	-	-	-
NET INCREASE (DECREASE) IN CASH HELD	1,887	(2,526)	(1,008)	(480)	(165)	(274)	(351)	(399)	(470)	(365)
Cash at Beginning of Year	6,161	8,048	5,522	4,514	4,034	3,869	3,595	3,244	2,845	2,374
Cash at the End of Year	8,048	5,522	4,514	4,034	3,869	3,595	3,244	2,845	2,374	2,009

8. PLAN IMPROVEMENT AND MONITORING

8.1 Performance Measures

The effectiveness of the asset management plan can be measured in the following ways:

- The degree to which the required cashflows identified in this asset management plan are incorporated into the Shire's long term financial plan and Strategic Management Plan;
- The degree to which 1-5 year detailed works programs, budgets, business plans and organisational structures take into account the requirements of the asset management plan

8.2 Improvement Plan

The asset management improvement plan generated from this asset management plan is shown in Table 8.1. Priority 1 actions are the most urgent.

Table 8.1 Improvement Plan

Task No	Task	PRIORITY	Responsibility	Resources Required
1	Review and update all financial information for assets, including depreciation	Urgent		
2	Collect financial information so that operations and maintenance costs, capital renewals costs and new/upgrade costs can be separately identified for each asset class	1		
3	Prepare a program to investigate for and remove asbestos from buildings	1		
4	Include unformed roads in next asset management plan	1		
5	Carry out condition assessments of roads assets	1		
6	Prepare maintenance plans for all asset classes that cover the type and frequency of maintenance required to ensure that the Levels of Service are achieved	1		
7	Develop priority ranking criteria for renewals projects	1		
8	Hold a workshop with key staff, the management team and councillors to tell them about the plans and processes that have been prepared, the benefits and how they will be affected	1		

REFERENCES

Shire of Sandstone Five Year Forward Capital Works Plan 2010-11 to 2014-15

Shire of Sandstone Valuation Report – July 2011

Shire of Sandstone Annual Report – 2010-11

IPWEA, 2006, 'International Infrastructure Management Manual', Institute of Public Works Engineering Australia, Sydney, www.ipwea.org.au

Airport

Group_Code	Asset_Code	Asset_Description	Estimated Useful Life	Depreciation Rate	Date Acquired	Opening Valuation	Opening Depreciation	YTD Depreciation	YTD Written Down Value
APORT	AIR002	Upgrade Airstrip 2005	30	3.33	30/06/2005	-	-	65.67	65.67
APORT	AIR003	Upgrade Airstrip 2006	30	3.33	30/05/2006	-	-	43.74	43.74
APORT	AIR004	Upgrade Airstrip 2007	30	3.33	30/06/2007	-	-	16.22	16.22
APORT	AIR005	Airport Lighting (solar powered)	10	10	17/05/2011	99,000.00	56,000.00	6,590.95	36,409.05
APORT	AIR007	Infrastructure	4.04	4.04	30/06/2015	5,000.00	3,000.00	134.46	1,865.54

Buildings

Group_Code	Asset_Code	Asset_Description	Estimated Useful Life	Depreciation Rate	Date Acquired	Opening Valuation	Opening Depreciation	YTD Depreciation	YTD Written Down Value
BUILD	BD001	Council Hall & Office	30	3.33	30/06/1998	1,070,000.00	870,000.00	23,721.44	176,278.56
BUILD	BD002	Airport Ablution Block	30	3.33	30/06/1998	53,000.00	29,000.00	1,174.96	22,825.04
BUILD	BD003	Black Range Chapel	30	3.33	30/06/1998	460,000.00	330,000.00	10,197.99	119,802.01
BUILD	BD004	Caravan Park Bldgs	30	3.33	30/05/1998	893,000.00	400,400.00	19,797.41	472,802.59
BUILD	BD005	Community Centre	30	3.33	30/06/1998	1,100,000.00	690,000.00	24,386.54	385,613.46
BUILD	BD007A	Building - Museum shed	30	3.33	30/06/1998	380,000.00	140,000.00	8,424.42	231,575.58
BUILD	BD007C	Gold & Wool Interpretive Park	30	3.33	1/06/2008	131,000.00	26,000.00	2,904.20	102,095.80
BUILD	BD008	Shed Industrial Depot	30	3.33	30/06/2004	26,000.00	20,900.00	576.39	4,523.61
BUILD	BD029	House - Lot 425 Mingah Street	30	3.33	30/06/2002	480,000.00	395,000.00	10,641.38	74,358.62
BUILD	BD034	Old Railway Goods Shed	30	3.33	30/06/2005	75,000.00	30,000.00	1,662.69	43,337.31
BUILD	BD035	House - Lot 35 Griffith Street	30	3.33	19/05/2004	380,000.00	290,000.00	8,424.42	81,575.58
BUILD	BD037	House - Lot 37 Griffith Street	30	3.33	30/06/2003	320,000.00	235,000.00	7,094.26	77,905.74
BUILD	BD040	Houses - Lot 40 Griffiths Street (Front and Rear)	30	3.33	30/06/2007	640,000.00	475,000.00	14,188.53	150,811.47
BUILD	BD047	House - Lot 47 Hack Street	30	3.33	30/06/2009	520,000.00	425,000.00	11,528.17	83,471.83
BUILD	BD055	House - Lot 55 Hack St	30	3.33	30/06/1998	760,000.00	660,000.00	16,848.86	83,151.14
BUILD	BD072	Building - Museum/Tourist Information	2	2	2/12/1997	500,000.00	310,000.00	-	190,000.00
BUILD	BD072C	Public Toilets Ablution Block	30	3.33	30/06/1999	230,000.00	120,000.00	5,098.99	104,901.01
BUILD	BD072D	Museum/Tourist Information	30	3.33	30/06/1999	16,000.00	9,600.00	354.70	6,045.30
BUILD	BD073	Fire Tender Shed	30	3.33	30/06/1998	120,000.00	70,000.00	2,660.33	47,339.67

FANDE	F0013	Chairs	10	10	15/06/2004	2,542.06	2,542.06	2,542.06
FANDE	F0014	Tables & Benches	5	20	17/03/2006	4,162.68	4,162.68	4,162.68
FANDE	F0015	New Stove	5	20	15/01/2007	5,310.89	5,310.89	5,310.89
FANDE	F0016	Building - Community Centre	5	20	31/01/2009	1,286.73	1,286.73	1,286.73
FANDE	F0017	Kitchen equipment	5	20	1/03/2010	1,463.39	1,463.39	1,463.39
FANDE	F0018	Trestle Tables	5	20	1/03/2010	1,051.63	1,051.63	1,051.63
FANDE	F0019	Chairs x 5 + drawers	10	10	22/11/1996	1,741.11	1,741.11	1,741.11
FANDE	F0020	Blinds	10	10	30/06/1997	977.01	977.01	977.01
FANDE	F0021	Councillor's Photos	10	10	30/06/1997	39.91	39.91	39.91
FANDE	F0022	Honour Boards	10	10	30/06/1997	2,220.00	2,220.00	2,220.00
FANDE	F0023	Westinghouse Fridge	5	20	30/06/1997	400.00	400.00	400.00
FANDE	F0024	2001 Additions	10	10	30/06/2001	6.27	6.27	6.27
FANDE	F0025	TEAC Colour TV & Video 4200812-04	5	20	1/08/2004	399.00	399.00	399.00
FANDE	F0026	Panasonic DVD/CD Player VB4HB001435	3	33.33	1/02/2005	140.00	140.00	140.00
FANDE	F0027	Artefact Display Cabinet	10	10	8/10/2004	2,480.50	2,480.50	2,480.50
FANDE	F0028	Desk - Jarrah Desk Return/drawers	10	10	31/08/1996	852.00	852.00	852.00
FANDE	F0029	Attache Accounting Software	5	20	24/02/1997	4,625.00	4,625.00	4,625.00
FANDE	F0030	Binder - Ring Binder	5	20	30/06/1997	795.01	795.01	795.01
FANDE	F0031	Cabinet - 4 drawer filing cabinet	10	10	30/06/1997	445.96	445.96	445.96
FANDE	F0032	Canon Calculator	3	33.33	30/06/1997	149.28	149.28	149.28
FANDE	F0033	Desk - Office desk	10	10	30/06/1997	286.99	286.99	286.99
FANDE	F0034	Desk - Office desk	10	10	30/06/1997	299.00	299.00	299.00
FANDE	F0035	Desk - Office Desk-CEO	10	10	30/06/1997	335.00	335.00	335.00
FANDE	F0036	Display cabinet	10	10	30/06/1997	310.00	310.00	310.00
FANDE	F0037	Toshiba TF521 Facsimile	3	33.33	30/06/1997	2,683.00	2,683.00	2,683.00
FANDE	F0038	Heater	5	20	30/06/1997	44.56	44.56	44.56
FANDE	F0039	Makutz Safe	10	10	30/06/1997	238.25	238.25	238.25
FANDE	F0040	Sanyo Vacuum Cleaner	5	20	30/06/1997	108.99	108.99	108.99
FANDE	F0041	Californian Carpet Cleaner	5	20	7/08/1997	2,270.00	2,270.00	2,270.00
FANDE	F0042	Casio Digital Camera	3	33.33	20/02/1998	435.80	435.80	435.80
FANDE	F0043	Shredder	5	20	13/03/1998	300.00	300.00	300.00
FANDE	F0044	Shelving - Archive	10	10	30/06/2000	2,200.00	2,200.00	2,200.00
FANDE	F0045	Powerboard - TPS DS3	4	25	27/02/2002	210.00	210.00	210.00
FANDE	F0046	UPS - Powerware 5115	4	25	27/02/2002	515.00	515.00	515.00
FANDE	F0047	Panasonic Plain Paper Fax PFQ11250ZA	4	25	18/06/2002	1,410.91	1,410.91	1,410.91
FANDE	F0048	Laminator	4	25	26/07/2002	253.57	253.57	253.57
FANDE	F0049	Sony Video Camera - DCR-TRV16E	4	25	10/03/2004	950.91	950.91	950.91

FANDE	F0087	Raeo Magazine Shelving	10	10	28/11/1997	459.00	459.00	-	-
FANDE	F0088	Stand - Magazine Revolving	10	10	17/08/1999	159.00	159.00	-	-
FANDE	F0089	Stand - Revolving Newspaper	10	10	17/08/1999	185.00	185.00	-	-
FANDE	F0090	Stool - Heavy Duty Stepstool	10	10	17/08/1999	135.60	135.60	-	-
FANDE	F0091	Executive Book Trolley Magnolia	10	10	30/08/1999	485.00	485.00	-	-
FANDE	F0092	Labelling machine-Brother PT320	5	20	30/08/1999	199.00	199.00	-	-
FANDE	F0093	Blinds 3 x Holland assorted sizes	10	10	29/11/1999	280.00	280.00	-	-
FANDE	F0094	Blinds 3 x Holland assorted sizes	10	10	1/02/2000	225.00	225.00	-	-
FANDE	F0095	Sign Library/Tourist Info. 'A' Frame	10	10	19/05/2000	210.00	210.00	-	-
FANDE	F0096	Vacuum Cleaner	10	10	31/12/2000	271.82	271.82	-	-
FANDE	F0098	Palmtaq Barcode scanner	4	25	15/12/2004	314.00	314.00	-	-
FANDE	F0099	Library Automation - Athena Software	4	25	11/02/2005	4,563.50	4,563.50	-	-
FANDE	F0102	Furniture	10	10	30/06/1997	20,017.37	20,017.37	-	-
FANDE	F0106	Electrical	5	20	30/06/2005	992.24	992.24	-	-
FANDE	F0107	35 Griffiths - Furnishings	5	20	30/06/2007	4,918.52	4,918.52	-	-
FANDE	F0108	House - Lot 37 Griffith Street	5	20	30/10/2008	1,163.08	1,163.08	-	-
FANDE	F0109	Heater - Combustion Heater-Lot 55	5	20	30/06/1997	2,643.00	2,643.00	-	-
FANDE	F0110	Furniture - Sundry Household	10	10	30/06/1997	1,074.06	1,074.06	-	-
FANDE	F0111	Furniture - Sundry Household	10	10	30/06/1997	2,590.01	2,590.01	-	-
FANDE	F0112	Furniture household (2nd Hand)	10	10	30/06/2000	425.00	425.00	-	-
FANDE	F0113	Fridge	10	10	3/10/2003	1,109.09	941.08	73.81	94.20
FANDE	F0114	Sliding security screen doors	10	10	29/11/2004	685.78	685.78	-	-
FANDE	F0115	Sliding security screen doors	10	10	1/11/2009	7,420.00	4,201.58	493.97	2,724.45
FANDE	F0116	Furniture & Equipment	5	20	30/10/2008	1,024.03	1,024.03	-	-
FANDE	F0118	Stove	10	10	3/10/2003	618.18	532.05	41.15	44.98
FANDE	F0119	Furniture & Equipment	5	20	30/11/2008	1,023.02	1,023.02	-	-
FANDE	F0120	Miscellaneous Additions	10	10	1/11/2009	9,535.56	5,399.42	634.80	3,501.34
FANDE	F0121	Heater - Regent Somerset Wood	10	10	2/07/1999	1,542.00	1,542.00	-	-
FANDE	F0122	Washing Machine	10	10	21/11/2003	800.00	683.31	53.24	63.45
FANDE	F0123	Dining Table & 4 Chairs	10	10	21/11/2003	400.00	337.58	26.60	35.82
FANDE	F0124	Microwave Desk Bookcase Cupboard	10	10	21/11/2003	599.45	501.50	39.89	58.06
FANDE	F0125	Fridge - 450 litre	10	10	21/11/2003	750.00	631.58	49.90	68.52
FANDE	F0126	Furniture & Equipment	4	25	1/09/2007	1,255.76	1,255.76	-	-
FANDE	F0127	Furnishings - Lot 527 Hack St	4	25	30/10/2008	1,024.02	1,024.02	-	-
FANDE	F0128	Furnishings	4	25	1/03/2010	2,472.44	2,472.44	-	-
FANDE	F0129	Framed photos	10	10	30/06/1997	103.35	103.35	-	-
FANDE	F0130	Furniture	4	25	1/07/2007	636.35	636.35	-	-
FANDE	F0131	Additions/Improvements	10	10	1/01/2010	2,878.81	1,582.35	191.65	1,104.81
FANDE	F0132	Konica Minolta BIZHUB C652 Multifunction Device F	5	20	13/09/2010	23,565.00	13,344.73	3,137.68	7,082.59
FANDE	F0141	Lanter Mpc5503Sp Copier	5	20	18/10/2013	8,976.00	3,137.79	1,195.13	4,643.08

LAND	LND086	Lot 86 Hack Street	0	4/09/2012	10,000.00	-	10,000.00
LAND	LND099	Lot 99 Payne St purchased through State Lands - Midwest	0	10/03/2011	10,000.00	-	10,000.00
LAND	LND103	Lot 103 Payne Street	0	5/12/2003	7,500.00	-	7,500.00
LAND	LND104	Lot 104 Payne Street	0	27/11/1986	7,500.00	-	7,500.00
LAND	LND111	Lot 111 Green Street	0	15/01/2006	8,500.00	-	8,500.00
LAND	LND112	Lot 112 Green Street	0	15/06/2006	8,500.00	-	8,500.00
LAND	LND120	Lot 120 Payne Street	0	8/01/1999	10,000.00	-	10,000.00
LAND	LND244	Lot 244 Thaduna Street	0	23/06/2000	10,000.00	-	10,000.00
LAND	LND246	Lot 246 Green Street			10,000.00	-	10,000.00
LAND	LND247	Lot 247 Green Street			10,000.00	-	10,000.00
LAND	LND257	Lot 257 Thaduna Street			10,000.00	-	10,000.00
LAND	LND28	Lot 28 Hack Street			10,000.00	-	10,000.00
LAND	LND29	Lot 29 Hack Street			10,000.00	-	10,000.00
LAND	LND410	Lot 410 Thaduna Street			10,000.00	-	10,000.00
LAND	LND411	Lot 411 Thaduna Street			10,000.00	-	10,000.00
LAND	LND413	Lot 413 Thaduna Street			10,000.00	-	10,000.00
LAND	LND425	Lot 425 Mingah Street	0	11/05/2001	9,000.00	-	9,000.00
LAND	LND503	Lot 503 Hack Street	0	15/08/2006	10,000.00	-	10,000.00
LAND	LND516	Lot 516 Payne Street purchased through State Lands Midwest	0	10/03/2011	10,000.00	-	10,000.00
LAND	LND518	Lot 518 Payne Street	0	23/02/2004	7,500.00	-	7,500.00
LAND	LND526	Lot 526 Hack Street			10,000.00	-	10,000.00
LAND	LND527	Lot 527 Hack Street			13,000.00	-	13,000.00
LAND	LND535	Lot 535 Rowe Street	0	31/05/2002	10,000.00	-	10,000.00
LAND	LND536	Lot 536 Hack Street	0	31/05/2002	10,000.00	-	10,000.00
LAND	LND91	Lot 91 Payne Street			10,000.00	-	10,000.00
LAND	LND996	Lot 163 & 164	0	10/02/2014	17,000.00	-	17,000.00
LAND	LNDGOLF	Reserve Off Hack Street			200,000.00	-	200,000.00

PANDE	E0017	Water heater	5	20	1/04/2010	1,463.00	1,463.00	-	-
PANDE	E0018	Lawnmower	5	20	30/06/1997	623.00	623.00	-	-
PANDE	E0019	Pump - Davey 2nd hand Water Pump	5	20	13/03/1998	500.00	500.00	-	-
PANDE	E0021	Lawn Mower/Whipper Snipper	7	15	4/09/2002	1,238.00	1,238.00	-	-
PANDE	E0022	Mulcher	5	20	30/06/2000	769.80	769.80	-	-
PANDE	E0023	Deutscher H26 Mower	7	15	5/11/2001	3,961.54	3,961.54	-	-
PANDE	E0024	Various	5	20	30/06/2010	5,039.99	5,039.99	-	-
PANDE	E0026	Cleaner - Stihl High Pressure Cleaner	5	20	30/06/1997	2,300.00	2,300.00	-	-
PANDE	E0027	Pump - Access	5	20	30/06/1997	1,922.27	1,922.27	-	-
PANDE	E0028	Spraying Unit	5	20	30/06/1997	1,058.40	1,058.40	-	-
PANDE	E0029	Survey Equipment	5	20	30/06/1997	968.95	968.95	-	-
PANDE	E0031	Fogger	7	15	30/07/1997	2,800.00	2,800.00	-	-
PANDE	E0032	Radio - Vehicles	3	33.33	11/02/1998	4,981.11	4,981.11	-	-
PANDE	E0033	Pump - Sump Pump 2nd Hand	5	20	13/03/1998	300.00	300.00	-	-
PANDE	E0034	Chainsaw - Husqvarna	5	20	24/07/1998	524.00	524.00	-	-
PANDE	E0035	Brushcutter - Stihl FS350 Brushcutter	5	20	30/07/1998	751.00	751.00	-	-
PANDE	E0036	Pump - Septic Diaphragm Pump	5	20	31/07/1998	6,865.00	6,865.00	-	-
PANDE	E0037	Pump - Diesel Dam Pump	5	20	30/09/1998	2,415.00	2,415.00	-	-
PANDE	E0038	Compactor - Plate Compactor	5	20	4/10/1999	2,200.00	2,200.00	-	-
PANDE	E0040	Electric Fuel Pump x 2	7	15	14/09/2001	2,060.00	2,060.00	-	-
PANDE	E0041	Mathews Bitumen Sprayer	7	15	24/11/2001	6,818.18	6,818.18	-	-
PANDE	E0042	Tank Water 10 000 litre Transportable	7	15	2/12/2002	12,413.43	12,413.43	-	-
PANDE	E0043	Sludge Pump	7	15	30/06/2003	783.55	783.55	-	-
PANDE	E0044	3 HF Radios	5	20	30/06/2005	2,000.00	2,000.00	-	-
PANDE	E0045	Wacker VPH70 Vibro Plate	7	15	17/12/2003	1,281.00	1,281.00	-	-
PANDE	E0046	Compressor	7	15	8/10/2004	21,378.72	21,378.72	-	-
PANDE	E0047	Road Classifier	5	20	5/08/2005	5,240.00	5,240.00	-	-
PANDE	E0048	Vacuum Prime Unit Pump	10	10	7/12/2005	24,389.00	24,389.00	1,623.68	1,092.29
PANDE	E0049	Rotary Hoe	7	15	30/06/2006	1,726.36	1,726.36	-	-
PANDE	E0050	Septic system tank & crane	10	10	30/06/2006	20,117.25	17,702.18	1,339.29	1,075.78
PANDE	E0051	Generator	10	10	15/08/2006	13,420.63	11,643.06	893.47	884.10
PANDE	E0052	Skid Mounted Units (2)	10	10	30/06/2007	11,677.72	7,569.80	777.44	3,330.48
PANDE	E0053	Compressor	5	20	30/06/1997	612.00	612.00	-	-
PANDE	E0054	Drill - Bench Drill	5	20	30/06/1997	199.01	199.01	-	-
PANDE	E0055	Radio - 2 way	5	20	30/06/1997	2,079.00	2,079.00	-	-
PANDE	E0057	Road Classifiers x 2	5	20	30/06/1997	5,045.98	5,045.98	-	-

PANDE	PC011A	Hino 500 Series 1124 Crew (11 tonne)	5	20	28/02/2014	120,940.00	20,264.39	10,111.43	90,564.18
PANDE	PC012	Fuel tanker trailer	10	10	30/06/2006	34,147.33	24,446.75	1,818.68	7,881.90
PANDE	PC013	Low Loader	10	10	5/04/2002	60,595.54	43,197.48	-	17,398.06
PANDE	PC014	FUSO Prime Mover for Water Cart	10	10	28/03/2011	161,606.81	52,315.95	8,544.81	100,746.05
PANDE	PC014A	Kenworth Prime Mover 2015	10	10	19/06/2015	251,175.73	-	13,427.18	237,748.55
PANDE	PC100	CAT CT630 Prime Mover	10	10	30/05/2013	254,466.27	52,948.93	16,941.17	184,576.17
PANDE	PL0014	Toyota Hilux 4x2 Cab Ute (Gardener)	7	15	4/07/2014	29,950.69	4,492.55	2,990.95	22,467.19
PANDE	PL001A	Landcruiser 200 T/D A/T GXL Silver	3	50	28/02/2014	76,303.46	10,876.30	5,427.16	60,000.00
PANDE	PL002	Toyota Landcruiser Utility (Mfct Crew)	7	20	3/04/2009	50,227.27	40,181.67	6,687.78	3,357.82
PANDE	PL007	Toyota Hiace Community Bus	7	10	1/08/2009	46,055.30	26,399.36	3,066.13	16,589.81
PANDE	PL008	Toyota Landcruiser Fast Attack Fire Tender	7	15	1/05/2008	70,742.88	55,136.11	6,527.49	9,079.28
PANDE	PL010	2013 Isuzu NPS300 Bush Fire Vehicle (1ENP173)	7	15	18/11/2014	198,170.25	16,393.98	18,791.22	162,985.05
PANDE	PL014	Toyota Hilux 4x4 SR5 (Works Supervisor)	5	20	7/11/2014	50,457.02	6,690.70	6,718.36	37,047.96
PANDE	PL102	Isuzu NPR300M Rubbish Truck	10	10	30/06/2010	30,954.88	15,484.21	2,060.82	13,409.85
PANDE	PL104	Toyota Landcruiser 70 T/D - Mechanic	5	20	31/05/2013	55,615.06	23,160.18	7,405.17	25,049.71
PANDE	PM001A	Grader 2 Volvo G720 S159 New Radios - Graders	7	15	15/10/2007	4,047.00	4,047.00	-	-
PANDE	PM002	Pneumatic Tyred Roller with cabin AP240T3	10	10	6/01/2011	117,219.91	55,764.23	7,803.94	53,651.74
PANDE	PM003	Isuzu FRR500 Maintenance Truck	10	10	21/01/2009	94,697.12	55,609.91	5,272.41	33,814.80
PANDE	PM005	Komatsu GD655_5 Motor Grader	10	10	6/02/2012	304,418.00	110,691.26	20,266.71	173,460.03
PANDE	PM006	Hino Tiptruck Town Maintenance Truck	10	10	28/02/2013	61,894.70	14,447.68	4,120.65	43,326.37
PANDE	PS001.1	Trailer - Fuel Trailer	10	10	30/06/1997	2,500.00	2,500.00	-	-
PANDE	PS001.12	Trailer - Water Bores Pump	10	10	31/08/2008	7,443.42	4,881.28	495.53	2,066.61
PANDE	PS001.2	Cement Mixer	5	20	3/09/1999	1,860.00	1,860.00	-	-
PANDE	PS001.3	Large (4000L) Fuel Tanker Trailer	7	15	28/06/2002	4,989.45	4,989.45	-	-
PANDE	PS001.4	2000 Litre Fuel Tank	7	15	30/06/2002	14,908.75	14,908.75	-	-
PANDE	PS001.5	Trailer - Water Bores Pump	10	10	30/06/2003	10,968.11	10,968.11	-	-
PANDE	PS001.6	Trailer - Rubbish	10	10	3/10/2003	2,608.09	2,608.09	-	-
PANDE	PS001.7	Trailer - Town	10	10	22/01/2004	2,464.20	2,464.20	-	-
PANDE	PS001.8	Trailer - SES	10	10	30/06/2005	967.26	929.47	37.79	-
PANDE	PS001.9	Trailer - Water Bores Pump	10	10	30/06/2005	210.00	203.76	6.24	-
PANDE	PS002.2	Water Tank - Camp Drinking Tank	10	10	6/10/1997	1,539.70	1,539.70	-	-
PANDE	PS002.5	Generators	10	10	1/10/2007	8,318.18	6,287.68	553.76	1,476.74
PANDE	PS004	Vehicle - Volvo BL71 Backhoe	10	10	31/12/2008	137,746.29	57,800.87	4,953.14	74,992.28
PANDE	PS005	Bobcat S160 Skid-Steer Loader	10	10	15/10/2007	53,708.27	45,386.04	2,951.40	5,370.83
PANDE	PS005A	Rotary Brush Cutter (Slasher) for Bobcat	5	20	1/07/2012	5,700.00	3,419.85	758.95	1,521.20
PANDE	PS008	Road Sweeper Karcher KMR1700	5	20	1/09/2010	46,444.00	44,866.05	1,577.95	-
PANDE	PS009	Traffic Control	10	10	12/01/2011	10,142.91	4,056.90	675.24	5,410.77
PANDE	PS014	Toro Timecutter Ride on Mower	5	20	11/05/2015	6,267.50	209.48	834.50	5,223.52

Group_Code	Asset_Code	Asset_Description	Estimated Useful Life	Depreciation Rate	Date Acquired	Opening Valuation	Opening Depreciation	YTD Depreciation	YTD Written Down Value
PARKS	PS010	Caravan 6.5M Commercial - All-Ways	10	10	12/02/2013	14,000.00	8,200.00	932.03	4,867.97
Roads									
ROADS	IR0002F	Paynes Find - Sandstone Rd Formation	0	0	1/07/2010	6,998,070.53	-	-	6,998,070.53
ROADS	IR0002P	Paynes Find - Sandstone Rd Pavement	76	1.3	1/07/2010	4,228,890.00	1,769,113.51	36,600.15	2,423,176.34
ROADS	IR0002S	Paynes Find - Sandstone Rd Seal	16	6.25	1/07/2010	1,097,071.00	186,498.87	45,648.65	864,923.48
ROADS	IR0003F	Menzies - Sandstone Rd Formation	0	0	1/07/2010	3,065,642.85	-	-	3,065,642.85
ROADS	IR0003P	Menzies - Sandstone Rd Pavement	76	1.3	1/07/2010	2,384,912.00	1,115,936.81	20,640.90	1,248,334.29
ROADS	IR0003S	Menzies - Sandstone Rd Seal	16	6.25	1/07/2010	40,200.00	9,907.46	1,672.69	28,619.85
ROADS	IR0004F	Meekeatharra - Sandstone Rd Formation	0	0	1/07/2010	1,748,952.27	-	-	1,748,952.27
ROADS	IR0004P	Meekeatharra - Sandstone Rd Pavement	76	1.3	1/07/2010	1,491,420.00	747,016.44	12,907.92	731,495.64
ROADS	IR0004S	Meekeatharra - Sandstone Rd Seal	16	6.25	1/07/2010	39,000.00	9,262.48	1,622.76	28,114.76
ROADS	IR0005F	Sandstone - Wiluna (Gidgee) Rd Formation	0	0	1/07/2010	2,529,839.53	-	-	2,529,839.53
ROADS	IR0005P	Sandstone - Wiluna (Gidgee) Rd Pavement	76	1.3	1/07/2010	2,399,240.00	1,696,629.08	20,764.91	681,846.01
ROADS	IR0005S	Sandstone - Wiluna (Gidgee) Rd Seal	16	6.25	1/07/2010	463,144.00	56,160.59	19,271.20	500,033.39
ROADS	IR0007F	Youahmi - Mt Magnet Rd Formation	0	0	1/07/2010	85,575.57	-	-	85,575.57
ROADS	IR0008F	Lake Barlee Access Rd Formation	0	0	1/07/2010	1,005,653.48	-	-	1,005,653.48
ROADS	IR0008P	Lake Barlee Access Rd Pavement	76	1.3	1/07/2010	372,610.00	122,732.90	3,224.84	246,652.26
ROADS	IR0009F	Bulga Downs Access Rd Formation	0	0	1/07/2010	23,600.00	-	-	23,600.00
ROADS	IR0010F	Sandstone - Yeelirrie Rd Formation	0	0	1/07/2010	3,183,818.00	-	-	3,183,818.00
ROADS	IR0010P	Sandstone - Yeelirrie Rd Pavement	76	1.3	1/07/2010	1,476,880.00	556,259.36	12,782.07	907,838.57
ROADS	IR0011P	Cashmere Downs Access - North Pavement	76	1.3	1/07/2010	180,370.00	2,344.73	1,561.04	176,464.23
ROADS	IR0014F	Dandaraga Station Access Rd Formation	0	0	1/07/2010	115,115.00	-	-	115,115.00
ROADS	IR0016F	Gidgee Mine Access Rd Formation	0	0	1/07/2010	222,200.00	-	-	222,200.00
ROADS	IR0016P	Gidgee Mine Access Rd Pavement	76	1.3	1/07/2010	258,560.00	166,254.18	2,237.76	90,068.06
ROADS	IR0017F	Altona - Yeelirrie Access Rd Formation	0	0	1/07/2010	37,500.00	-	-	37,500.00
ROADS	IR0018F	Colga Downs Station Access Rd Formation	0	0	1/07/2010	45,000.00	-	-	45,000.00
ROADS	IR0021F	Colga Downs Station - East Access Rd Formation	0	0	1/07/2010	55,025.00	-	-	55,025.00
ROADS	IR0021P	Booylgoo Access South	76	1.3	30/06/2014	4,305.00	55.93	37.24	4,211.83
ROADS	IR0022F	Black Hill Station Access Rd Formation	0	0	1/07/2010	10,100.00	-	-	10,100.00
ROADS	IR0023F	Kaluwiri Station Access Rd Formation	0	0	1/07/2010	20,340.00	-	-	20,340.00
ROADS	IR0023S	Kaluwiri Station Access Rd Seal	16	6.25	1/07/2010	15,000.00	937.45	624.12	13,438.43

Appendix B – Ten Year Capital Works Program