



Shire of Ngaanyatjaraku

ON A JOURNEY

ORDINARY MEETING OF COUNCIL

ATTACHMENTS

Tjulyuru Cultural and Civic Centre

Warburton Community

27 April 2022

at

1.00 pm

Honpa
via Halgonke
WA 6430.
28th April 22.

The CEO
Shire of Ngaanyatjaraku

I request a leave of absence for the
Ordinary Meeting for the month of
May.

I have an engagement with the
WA State Indigenous Advisory Council

Kind regards
P. J. J. J.



Current Register – Use of Common Seal

Date on which the common seal was affixed	Nature of the document	Parties to any agreement	Council Resolution # & date
4 November 2021	Lease of Office 10, Community Resource Centre, Lot 167 Warburton Community, WA 6431	Shire of Ngaanyatjaraku and Ngaanyatjarra Council (Aboriginal Corporation)	10.2 27 April 2022

Payment listing March (21/22)					
Chq/EFT	Date	Name	Description	Invoice / Debit	Payment
2171	09/03/2022	TELSTRA CORPORATION LTD	Telstra account for February 2022		1,000.10
K111286570-5	27/02/2022	TELSTRA CORPORATION LTD	Telstra account for February 2022	1,000.10	
2187	11/03/2022	Elysian Consulting Pty Ltd	Phase 1&2 of NG Housing Strategy		2,227.50
INV-0069	09/03/2022	Elysian Consulting Pty Ltd	Phase 1&2 of NG Housing Strategy	2,227.50	
EFT4071	04/03/2022	Easifleet Management	Novated lease for DGC		955.85
155248	28/02/2022	Easifleet Management	Novated lease for DGC	955.85	
EFT4072	04/03/2022	NGAANYATJARRA COUNCIL (ABORIGINAL CORPORATION)	Puncture repair of two tyres		200.00
18535	25/02/2022	NGAANYATJARRA COUNCIL (ABORIGINAL CORPORATION)	Puncture repair of two tyres	200.00	
EFT4073	04/03/2022	MCLEODS	Advice on employee matter		14,198.34
123063	25/02/2022	MCLEODS	advice on employee matter	8,515.87	
123265	28/02/2022	MCLEODS	Advice on LG Admin Regs re cr attendance at meetings	869.60	
123321	28/02/2022	MCLEODS	Advice regarding application of the Bush Fires Act	407.00	
123320	28/02/2022	MCLEODS	Legal Expenses for Waste issue	1,105.88	
123266	28/02/2022	MCLEODS	Advice in regards to interpretation of Financial Interest Register requirements	350.81	
123087	28/02/2022	MCLEODS	Legal advice for Indigenous Land Use Agreement	2,949.18	
EFT4074	04/03/2022	AUSTRALIA POST	Postage charges for February 2022		9.30
1011342058	03/03/2022	AUSTRALIA POST	Postage charges for February 2022	9.30	
EFT4075	04/03/2022	Market Creations Agency	Media / Public Relations Services - February 2022		660.00
IN91-8	28/02/2022	Market Creations Agency	Media / Public Relations Services - February 2022	660.00	
EFT4076	04/03/2022	Bob Waddell & Associates Pty Ltd	Discussion re own source expenditure and setup for overheads program 14		1,113.75
2680	28/02/2022	Bob Waddell & Associates Pty Ltd	Discussion re own source expenditure and setup for overheads program 14	1,113.75	
EFT4077	04/03/2022	The Trustee For M & J Essential Solutions Trust	Professional fee to undertake a facts determination of complaint regarding smoking in shire vehicle as per schedule of Rates and email submission 3 Feb 2022		3,767.50
358	01/03/2022	The Trustee For M & J Essential Solutions Trust	Professional fee to undertake a facts determination of complaint regarding smoking in shire vehicle as per schedule of Rates and email submission 3 Feb 2022	3,767.50	
EFT4078	04/03/2022	Premium Publishers	2022 AGO Holiday Planner - half page		1,675.00
3517	23/12/2021	Premium Publishers	2022 AGO Holiday Planner - half page	1,675.00	
EFT4079	04/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road		167,846.30
1736A	16/02/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road, **overpaid invoice - now corrected**		774.77
1743	24/02/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road	168,621.07	
EFT4080	04/03/2022	IT VISION AUSTRALIA PTY LTD	Server migration from IT Vision AWS to Focus Networks private cloud		3,731.20
36520	14/02/2022	IT VISION AUSTRALIA PTY LTD	Server migration from IT Vision AWS to Focus Networks private cloud	3,731.20	
EFT4081	04/03/2022	NGAANYATJARRA COUNCIL REGIONAL HOUSING PROGRAM - Repairs & Maintenance	Replace leaking and filthy sink in Lot 11b Warakurna		895.77
30604	03/02/2022	NGAANYATJARRA COUNCIL REGIONAL HOUSING PROGRAM - Repairs & Maintenance	Replace leaking and filthy sink in Lot 11b Warakurna	895.77	
EFT4082	04/03/2022	CORE BUSINESS AUSTRALIA	WHS Monitor Licence and Implementation - February 2022		12,457.50
INV-1241	28/02/2022	CORE BUSINESS AUSTRALIA	WHS Monitor Licence and Implementation - February 2022	12,457.50	
EFT4083	04/03/2022	MOORE AUSTRALIA (WA) Pty Ltd	Compilation of the statement of financial activity for December 2021 and January 2022		5,225.00
5225	15/02/2022	MOORE AUSTRALIA (WA) Pty Ltd	Compilation of the statement of financial activity for December 2021 and January 2022	5,225.00	
EFT4084	11/03/2022	WARBURTON ROADHOUSE	Warburton Roadhouse Account February 2022		5,498.61
FEBRUARY 2022	08/03/2022	WARBURTON ROADHOUSE	Supplies for Shire Meeting Room, Supplies for Shire Meeting Room, Accommodation and evening meal for Administration Relief Staff, Diesel fuel for OC Isuzu D-Max 1MHJ403, Diesel fuel for SR Landcruiser 1EJN112, Diesel fuel for Exec Landcruiser 1HED882, Diesel fuel for Shire Rubbish Truck 1GDT303, Diesel fuel for WS Landcruiser 1EYW816	5,498.61	
EFT4085	11/03/2022	GTN Services	110k Service on WS Landcruiser 1EYW816		4,900.33
5021	08/03/2022	GTN Services	20k Service on Exec Landcruiser 1HED882, 110k Service on Exec Landcruiser 1HED882	746.39	
4870	08/03/2022	GTN Services	40k Service on DIS Landcruiser 1HED881	1,136.86	
5023	08/03/2022	GTN Services	110k Service on WS Landcruiser 1EYW816, 110k Service on WS Landcruiser 1EYW816	3,017.08	

EFT4086	11/03/2022	Focus Networks	Agreement for monthly MPS devices		2,082.30
MPSD-12352	06/03/2022	Focus Networks	Agreement for monthly MPS devices	2,082.30	
EFT4087	11/03/2022	NGAANYATJARRA Services (ELEC a/c)	Electricity account for January - February 2022		4,454.16
202203/11567	09/03/2022	NGAANYATJARRA Services (ELEC a/c)	Electricity account for January - February 2022	4,454.16	
EFT4088	11/03/2022	Bob Waddell & Associates Pty Ltd	Assistance re own source expenditure and setup for overheads program 14		948.75
2686	07/03/2022	Bob Waddell & Associates Pty Ltd	Assistance re own source expenditure and setup for overheads program 14	948.75	
EFT4089	11/03/2022	Lone Star Surveys	Surveying Services for the Warburton Bypass Design Centreline Stakeout		6,930.00
1278	10/03/2022	Lone Star Surveys	Surveying Services for the Warburton Bypass Design Centreline Stakeout	6,930.00	
EFT4090	11/03/2022	Tyrepower Limited	Purchase and fit tyre to OC Isuzu D-Max 1HMJ403		359.83
8265.142564	01/02/2022	Tyrepower Limited	Purchase and fit tyre to OC Isuzu D-Max 1HMJ403	359.83	
EFT4091	11/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road		166,287.69
1751	03/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road	166,287.69	
EFT4092	11/03/2022	GLOBETROTTER CORPORATE TRAVEL	Flights for W/E Perth - Laverton Return 01 - 13 April		854.55
899639	09/03/2022	GLOBETROTTER CORPORATE TRAVEL	Flights for W/E Perth - Laverton Return 01 - 13 April	854.55	
EFT4093	11/03/2022	AUSTRALIAN COMMUNICATIONS AUTHORITY	PAL Renewal 23/03/22 - 23/03/23		45.00
502801491	12/02/2022	AUSTRALIAN COMMUNICATIONS AUTHORITY	PAL Renewal 23/03/22 - 23/03/23	45.00	
EFT4094	11/03/2022	PLAZA HOTEL KALGOORLIE	Accommodation for DIS 07 March 2022		362.00
1023066	04/03/2022	PLAZA HOTEL KALGOORLIE	Accommodation for DIS 03 March 2022	174.00	
1023186	08/03/2022	PLAZA HOTEL KALGOORLIE	Accommodation for DIS 07 March 2022	188.00	
EFT4095	11/03/2022	CHARTAIR PTY LTD	Flight and excess baggage charge for Relief Administration Staff Kalgoorlie - Warburton CA924 25 February 2022		537.00
T613300	25/02/2022	CHARTAIR PTY LTD	Flight and excess baggage charge for Relief Administration Staff Kalgoorlie - Warburton CA924 25 February 2022	537.00	
EFT4096	11/03/2022	NGAANYATJARRA CONSTRUCTION & MANAGEMENT SERVICES	Supply and install laundry window and screen Lot 11B Warakurna		1,471.63
26887	09/03/2022	NGAANYATJARRA CONSTRUCTION & MANAGEMENT SERVICES	Supply and install laundry window and screen Lot 11B Warakurna	1,471.63	
EFT4097	11/03/2022	LAVERTON SUPPLIES MOTORS	Car detailing inside DIS Landcruiser 1HED881		370.03
01-138833	10/02/2022	LAVERTON SUPPLIES MOTORS	Diesel fuel for OC Isuzu D-Max 1HMJ403	70.03	
01-138835	08/03/2022	LAVERTON SUPPLIES MOTORS	Car detailing inside DIS Landcruiser 1HED881	300.00	
EFT4098	18/03/2022	AUSTRALIAN TAXATION OFFICE	BAS payment for February 2022		28,333.00
46691007071	21/02/2022	AUSTRALIAN TAXATION OFFICE	BAS payment for February 2022	28,333.00	
EFT4099	18/03/2022	NATS	Freight on COVID testing kits to Warburton		22.00
P43045SN	11/03/2022	NATS	Freight on COVID testing kits to Warburton	22.00	
EFT4100	18/03/2022	Easifleet Management	Novated lease for DGC		955.85
155957	14/03/2022	Easifleet Management	Novated lease for DGC	955.85	
EFT4101	18/03/2022	Bob Waddell & Associates Pty Ltd	Assistance re own source expenditure and setup for overheads program 14		2,310.00
2693	14/03/2022	Bob Waddell & Associates Pty Ltd	Assistance re own source expenditure and setup for overheads program 14	2,310.00	
EFT4102	18/03/2022	Helen Louise St George Cooper	Reimbursement of travel expenses for relief Administraton staff		1,020.74
HC160322	16/03/2022	Helen Louise St George Cooper	Reimbursement of travel expenses for relief Administraton staff	1,020.74	
EFT4103	18/03/2022	Joseph Cheriathundathil Joseph	Reimbursement of fuel for OC D-Max 1HMJ403		76.51
JJ140322	14/03/2022	Joseph Cheriathundathil Joseph	Reimbursement of fuel for OC D-Max 1HMJ403	76.51	
EFT4104	18/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road		108,690.45
1756	10/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road	108,690.45	
EFT4105	18/03/2022	WESTERN AUSTRALIAN LOCAL GOVERNMENT ASSOCIATION	100 Rapid Antigen Tests		891.00
I3091962	03/03/2022	WESTERN AUSTRALIAN LOCAL GOVERNMENT ASSOCIATION	100 Rapid Antigen Tests	891.00	
EFT4106	18/03/2022	DEPT FOR PLANNING & INFRASTRUCTURE (DPI)	DoT agency payments 182372-182375		4,086.60
182372-182375	28/02/2022	DEPT FOR PLANNING & INFRASTRUCTURE (DPI)	DoT agency payments 182372-182375	4,086.60	

EFT4107	18/03/2022	NGAANYATJARRA COUNCIL REGIONAL HOUSING PROGRAM - Repairs & Maintenance	Remove and replace faulty smoke alarm at Early Learning Centre		750.44
30677	23/02/2022	NGAANYATJARRA COUNCIL REGIONAL HOUSING PROGRAM - Repairs & Maintenance	Remove and replace faulty smoke alarm at Early Learning Centre	420.44	
30683	24/02/2022	NGAANYATJARRA COUNCIL REGIONAL HOUSING PROGRAM - Repairs & Maintenance	Urgent security repairs and air con repair at CRC	330.00	
EFT4108	18/03/2022	Digital Document Solutions Pty Ltd	Kyocera TASKalfa 2554 ci, plus toner and freight to NATS		6,868.95
D21184	16/03/2022	Digital Document Solutions Pty Ltd	Kyocera TASKalfa 2554 ci, 2 x black toner, and set of colour toner, Freight	6,868.95	
EFT4109	28/03/2022	Andre Peter Frederick Kerp	Reimbursement of taxi fares for WE home to Perth airport and return 07 - 16 March 2022		174.13
PK230322	23/03/2022	Andre Peter Frederick Kerp	Reimbursement of taxi fares for WE home to Perth and return 07 - 16 March 2022	174.13	
EFT4110	28/03/2022	Ethan Smith	Reimbursement for travel costs per TRP S&R Supervisor		881.55
ES250322	25/03/2022	Ethan Smith	Reimbursement for travel costs per TRP S&R Supervisor	881.55	
EFT4111	28/03/2022	Quinn Weatherhead	Reimbursement for travel costs per TRP S&R Officer		1,156.33
QW250322	25/03/2022	Quinn Weatherhead	Reimbursement for travel costs per TRP S&R Officer	1,156.33	
EFT4112	28/03/2022	Samantha Richardson	Reimbursement of travel expenses as per TRP AC		744.00
SR280322	28/03/2022	Samantha Richardson	Reimbursement of travel expenses as per TRP AC	744.00	
EFT4113	28/03/2022	Helen Louise St George Cooper	Reimbursement of travel expenses for relief administration staff		577.45
HC280322	28/03/2022	Helen Louise St George Cooper	Reimbursement of travel expenses for relief administration staff	577.45	
EFT4114	28/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Giles Mulga Park Road		228,029.56
1757	16/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Warburton to Blackstone Road	83,880.87	
1763	16/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Giles Mulga Park Road	28,528.65	
1765	24/03/2022	BREAKAWAY C-/ KEY FACTORS	Hire of plant and equipment for construction work on the Giles Mulga Park Road	115,620.04	
EFT4115	28/03/2022	DESERT INN HOTEL	Accommodation and evening meal for W/E, Tuesday 15 March 2022		198.00
5509	18/03/2022	DESERT INN HOTEL	Accommodation and evening meal for W/E, Tuesday 15 March 2022	198.00	
EFT4116	28/03/2022	Digital Document Solutions Pty Ltd	Kyocera DP-7100 Lift Guide Assist/Freight/ Phone assistance to replace part		141.90
234110	15/03/2022	Digital Document Solutions Pty Ltd	Kyocera DP-7100 Lift Guide Assist/Freight/ Phone assistance to replace part	141.90	
EFT4117	30/03/2022	DAMIAN MCLEAN	OCM Fees 30 March 2022		440.00
DM300322	30/03/2022	DAMIAN MCLEAN	OCM Fees 30 March 2022	440.00	
EFT4118	30/03/2022	Julie Porter	OCM Fees 30 March 2022		220.00
JP300322	30/03/2022	Julie Porter	OCM Fees 30 March 2022	220.00	
EFT4119	30/03/2022	LALLA WEST	OCM Fees 30 March 2022		220.00
LW300322	30/03/2022	LALLA WEST	OCM Fees 30 March 2022	220.00	
EFT4120	30/03/2022	PRESTON THOMAS	OCM Fees 30 March 2022		220.00
PT300322	30/03/2022	PRESTON THOMAS	OCM Fees 30 March 2022	220.00	
EFT4121	30/03/2022	JOYLENE FRAZER	OCM Fees 30 March 2022		220.00
JF300322	30/03/2022	JOYLENE FRAZER	OCM Fees 30 March 2022	220.00	
EFT4122	30/03/2022	ANDREW JONES	OCM Fees 30 March 2022		220.00
10410910.580	30/03/2022	ANDREW JONES	OCM Fees 30 March 2022	220.00	
EFT4123	30/03/2022	DEBRA FRAZER	OCM Fees 30 March 2022		220.00
DF300322	30/03/2022	DEBRA FRAZER	OCM Fees 30 March 2022	220.00	
DD2147.1	03/03/2022	WESTPAC BANK	Transaction fees for January 2022		41.50
BF010222	01/02/2022	WESTPAC BANK	Bank fees for January 2022	22.00	
TF010222	01/02/2022	WESTPAC BANK	Transaction fees for January 2022	19.50	
DD2153.1	05/03/2022	COMMONWEALTH BANK OF AUSTRALIA	CBA EFTPOS merchant facility fee January 2022		21.38
CBA030222	03/02/2022	COMMONWEALTH BANK OF AUSTRALIA	CBA EFTPOS merchant facility fee January 2022	21.38	
DD2158.1	12/03/2022	CEO Westpac Credit Card	CEO Westpac Credit Card January 2022		10.00
CEO100222	10/02/2022	CEO Westpac Credit Card	CEO Credit card fees January 2022	10.00	
DD2158.2	12/03/2022	FAC Westpac Credit Card	FAC Westpac credit card January 2022		10.00
FAC100222	10/02/2022	FAC Westpac Credit Card	FAC Credit card fees January 2022	10.00	
PAY	02/03/2022	Payroll Direct Debit Of Net Pays	Payroll Direct Debit Of Net Pays	46,870.37	46,870.37
DD2177.1	02/03/2022	Aware Super	Payroll deductions		4,102.24
SUPER	02/03/2022	Aware Super	Superannuation contributions	3,672.31	
DEDUCTION	02/03/2022	Aware Super	Payroll deductions	320.80	
DEDUCTION	02/03/2022	Aware Super	Payroll deductions	109.13	
DD2177.2	02/03/2022	VISION SUPER	Superannuation contributions		843.67
SUPER	02/03/2022	VISION SUPER	Superannuation contributions	843.67	
DD2177.3	02/03/2022	HOST PLUS	Superannuation contributions		116.84
SUPER	02/03/2022	HOST PLUS	Superannuation contributions	116.84	
DD2177.4	02/03/2022	The Trustee For Care Super	Superannuation contributions		274.32
SUPER	02/03/2022	The Trustee For Care Super	Superannuation contributions	274.32	
DD2177.5	02/03/2022	REST	Superannuation contributions		235.41
SUPER	02/03/2022	REST	Superannuation contributions	235.41	
DD2177.6	02/03/2022	MLC Superannuation	Superannuation contributions		290.04
SUPER	02/03/2022	MLC Superannuation	Superannuation contributions	290.04	
DD2177.7	02/03/2022	Local Government Super, NSW	Superannuation contributions		634.62
SUPER	02/03/2022	Local Government Super, NSW	Superannuation contributions	634.62	

DD2177.8	02/03/2022	CBUS SUPERANNUATION	Superannuation contributions		335.88
SUPER	02/03/2022	CBUS SUPERANNUATION	Superannuation contributions	335.88	
DD2182.1	31/03/2022	WESTPAC BANK	Transaction fees for February 2022		39.50
BF010322	01/03/2022	WESTPAC BANK	Bank fees for February 2022	22.00	
TF010322	01/03/2022	WESTPAC BANK	Transaction fees for February 2022	17.50	
PAY	16/03/2022	Payroll Direct Debit Of Net Pays	Payroll Direct Debit Of Net Pays	49,499.30	49,499.30
PAY	16/03/2022	Payroll Direct Debit Of Net Pays	Payroll Direct Debit Of Net Pays	4,444.15	4,444.15
PAY	16/03/2022	Payroll Direct Debit Of Net Pays	Payroll Direct Debit Of Net Pays	4,633.15	4,633.15
DD2193.1	16/03/2022	Aware Super	Payroll deductions		4,131.82
SUPER	16/03/2022	Aware Super	Superannuation contributions	3,691.23	
DEDUCTION	16/03/2022	Aware Super	Payroll deductions	119.79	
DEDUCTION	16/03/2022	Aware Super	Payroll deductions	320.80	
DD2193.2	16/03/2022	VISION SUPER	Superannuation contributions		843.67
SUPER	16/03/2022	VISION SUPER	Superannuation contributions	843.67	
DD2193.3	16/03/2022	HOST PLUS	Superannuation contributions		64.26
SUPER	16/03/2022	HOST PLUS	Superannuation contributions	64.26	
DD2193.4	16/03/2022	SUNSUPER SOLUTIONS	Superannuation contributions		90.00
SUPER	16/03/2022	SUNSUPER SOLUTIONS	Superannuation contributions	90.00	
DD2193.5	16/03/2022	The Trustee For Care Super	Superannuation contributions		274.32
SUPER	16/03/2022	The Trustee For Care Super	Superannuation contributions	274.32	
DD2193.6	16/03/2022	REST	Superannuation contributions		235.41
SUPER	16/03/2022	REST	Superannuation contributions	235.41	
DD2193.7	16/03/2022	MLC Superannuation	Superannuation contributions		290.04
SUPER	16/03/2022	MLC Superannuation	Superannuation contributions	290.04	
DD2193.8	16/03/2022	Local Government Super, NSW	Superannuation contributions		634.62
SUPER	16/03/2022	Local Government Super, NSW	Superannuation contributions	634.62	
DD2193.9	16/03/2022	CBUS SUPERANNUATION	Superannuation contributions		335.88
SUPER	16/03/2022	CBUS SUPERANNUATION	Superannuation contributions	335.88	
DD2197.1	16/03/2022	Local Government Super, NSW	Superannuation contributions	634.62	
REVERSAL	16/03/2022	Local Government Super, NSW	Reversal of Super		634.62
DD2205.1	02/03/2022	Local Government Super, NSW	Reversal of Super		634.62
SUPER	16/03/2022	Local Government Super, NSW	Superannuation contributions	634.62	
DD2209.1	30/03/2022	Aware Super	Payroll deductions		4,579.32
SUPER	30/03/2022	Aware Super	Superannuation contributions	4,149.39	
DEDUCTION	30/03/2022	Aware Super	Payroll deductions	320.80	
DEDUCTION	30/03/2022	Aware Super	Payroll deductions	109.13	
DD2209.2	30/03/2022	VISION SUPER	Superannuation contributions		843.67
SUPER	30/03/2022	VISION SUPER	Superannuation contributions	843.67	
DD2209.3	30/03/2022	HOST PLUS	Superannuation contributions		128.52
SUPER	30/03/2022	HOST PLUS	Superannuation contributions	128.52	
DD2209.4	30/03/2022	The Trustee For Care Super	Superannuation contributions		274.32
SUPER	30/03/2022	The Trustee For Care Super	Superannuation contributions	274.32	
DD2209.5	30/03/2022	REST	Superannuation contributions		235.41
SUPER	30/03/2022	REST	Superannuation contributions	235.41	
DD2209.6	30/03/2022	MLC Superannuation	Superannuation contributions		290.04
SUPER	30/03/2022	MLC Superannuation	Superannuation contributions	290.04	
DD2209.7	30/03/2022	Local Government Super, NSW	Superannuation contributions		634.62
SUPER	30/03/2022	Local Government Super, NSW	Superannuation contributions	634.62	
DD2209.8	30/03/2022	CBUS SUPERANNUATION	Superannuation contributions		335.88
SUPER	30/03/2022	CBUS SUPERANNUATION	Superannuation contributions	335.88	
DD2210.2	17/03/2022	DCEO Westpac Credit Card	DCEO Westpac credit card February 2022		10.00
DCEO170322	17/03/2022	DCEO Westpac Credit Card	DCEO credit card fee February 2022	10.00	
			TOTALS	927,411.63	927,411.63

Shire of Ngaanyatjaraku

Investment Register

Amount	Term	Credit Rating S&P	Institution	Interest Rate	Maturity Date	Total Cash
\$500,000	2 months	A-1+	CBA	0.43%	14-Jun-22	\$500,359.32
\$500,000	4 months	A-1+	CBA	0.82%	12-Aug-22	\$501,347.95
\$500,000	6 months	A-1+	CBA	1.15%	11-Oct-22	\$502,835.62
\$500,000	8 months	A-1+	CBA	1.43%	14-Dec-22	\$504,779.73
\$500,000	10 months	A-1+	CBA	1.68%	8-Feb-23	\$506,904.11
\$1,000,000	12 months	A-1+	CBA	1.91%	14-Apr-23	\$1,019,100
\$3,500,000						\$3,535,326.73

Westpac 31 Day Notice Account
036-125 520231

\$3,232,132.64
Available \$0.00

31 day Notice Westpac 0.25%
31 day Notice Westpac 0.05%

90 day Notice Westpac 0.35%
90 day Notice Westpac 0.15%

Municipal Operating Account
036-016 831911

\$264,694.25

Westpac 90 Day Notice Account
036-125 521074

\$4,874,581.12
Available \$0.00

SHIRE OF NGAANYATJARRAKU

MONTHLY FINANCIAL REPORT
(Containing the Statement of Financial Activity)
For the period ending 31 March 2022

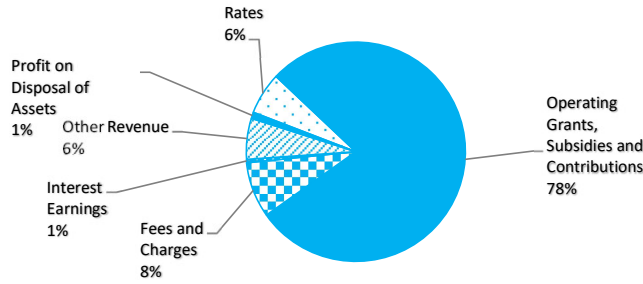
LOCAL GOVERNMENT ACT 1995
LOCAL GOVERNMENT (FINANCIAL MANAGEMENT) REGULATIONS 1996

TABLE OF CONTENTS

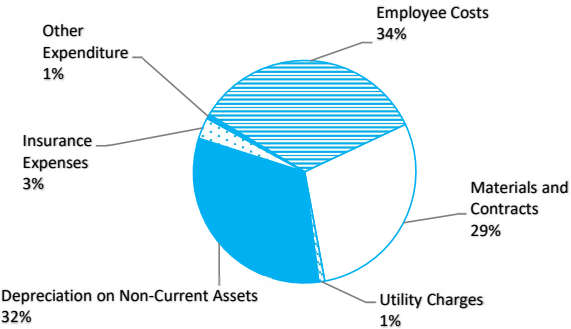
Statement of Financial Activity by Program	5
Statement of Financial Activity by Nature or Type	7
Basis of Preparation	8
Note 1 Statement of Financial Activity Information	9
Note 2 Cash and Financial Assets	10
Note 3 Receivables	11
Note 4 Other Current Assets	12
Note 5 Payables	13
Note 6 Rate Revenue	14
Note 7 Disposal of Assets	15
Note 8 Capital Acquisitions	16
Note 9 Cash Reserves	18
Note 10 Other Current Liabilities	19
Note 11 Operating grants and contributions	20
Note 12 Non operating grants and contributions	21
Note 13 Budget Amendments	22
Note 14 Explanation of Material Variances	25

OPERATING ACTIVITIES

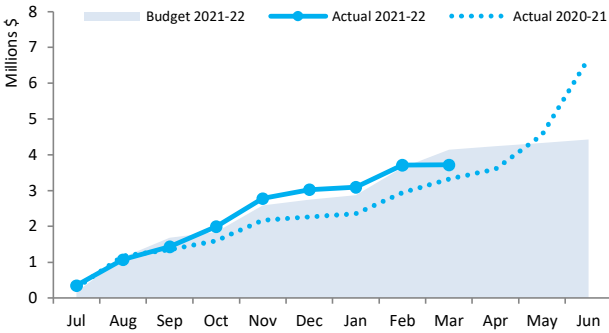
OPERATING REVENUE



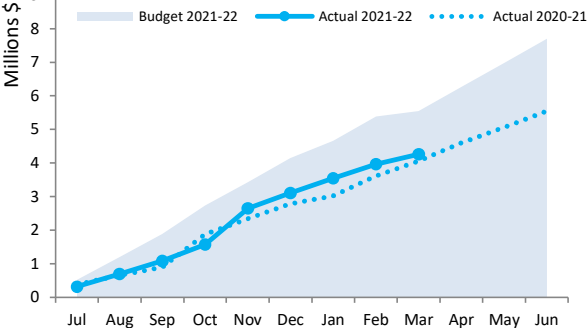
OPERATING EXPENSES



Budget Operating Revenues -v- Actual

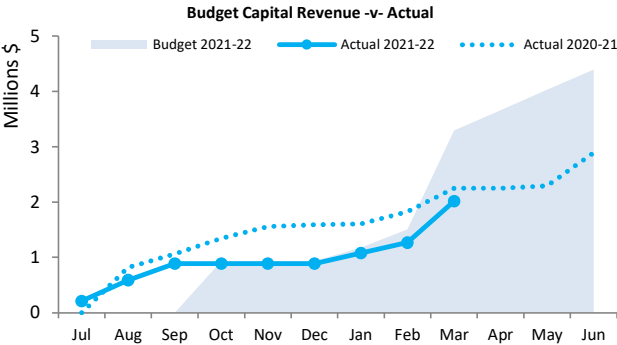


Budget Operating Expenses -v- YTD Actual

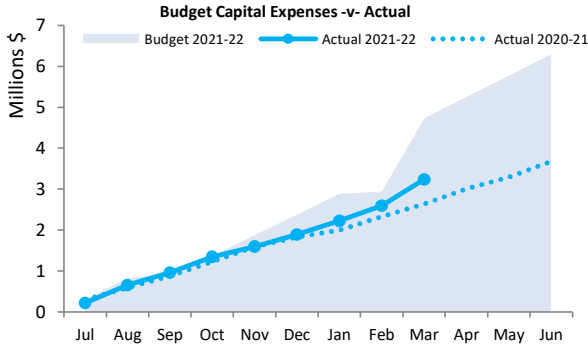


INVESTING ACTIVITIES

CAPITAL REVENUE

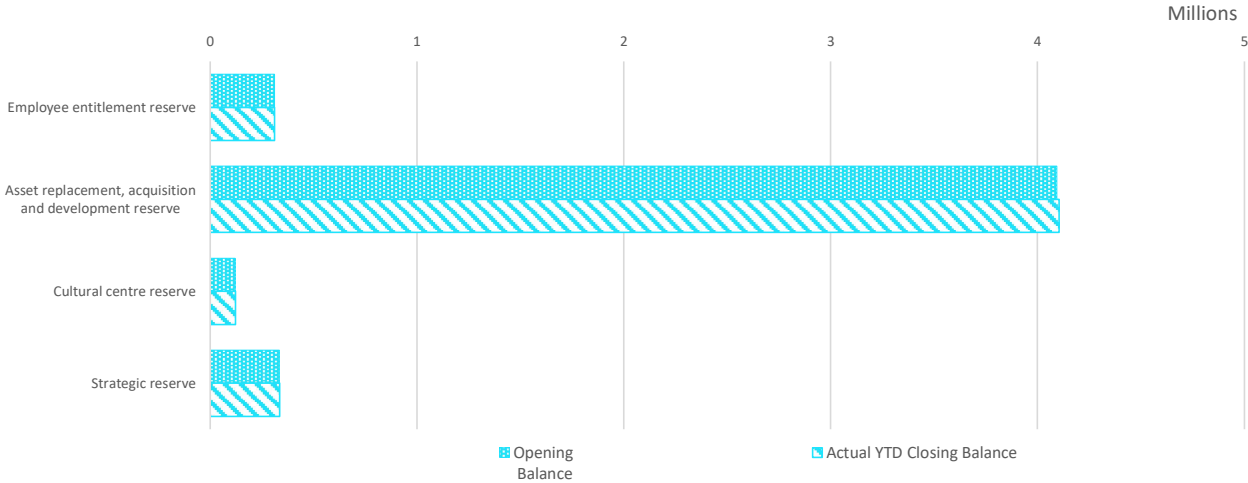


CAPITAL EXPENSES



FINANCING ACTIVITIES

RESERVES



This information is to be read in conjunction with the accompanying Financial Statements and Notes.

Funding surplus / (deficit) Components

Funding surplus / (deficit)				
	Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)
Opening	\$3.15 M	\$3.15 M	\$3.15 M	\$0.00 M
Closing	\$0.00 M	\$1.68 M	\$2.74 M	\$1.06 M

Refer to Statement of Financial Activity

Cash and cash equivalents		
	\$8.39 M	% of total
Unrestricted Cash	\$3.52 M	41.9%
Restricted Cash	\$4.87 M	58.1%

Refer to Note 2 - Cash and Financial Assets

Payables		
	\$0.22 M	% Outstanding
Trade Payables	\$0.15 M	
0 to 30 Days		99.5%
30 to 90 Days		0.0%
Over 90 Days		0.5%

Refer to Note 5 - Payables

Receivables		
	\$0.88 M	% Collected
Rates Receivable	\$0.02 M	89.6%
Trade Receivable	\$0.86 M	% Outstanding
30 to 90 Days		51.7%
Over 90 Days		1.4%

Refer to Note 3 - Receivables

Key Operating Activities

Amount attributable to operating activities			
Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)
(\$1.49 M)	(\$0.06 M)	\$0.79 M	\$0.84 M

Refer to Statement of Financial Activity

Rates Revenue		
	\$0.23 M	% Variance
YTD Actual	\$0.23 M	0.0%
YTD Budget	\$0.23 M	

Refer to Note 6 - Rate Revenue

Operating Grants and Contributions		
	\$2.91 M	% Variance
YTD Actual	\$2.91 M	(12.2%)
YTD Budget	\$3.31 M	

Refer to Note 11 - Operating Grants and Contributions

Fees and Charges		
	\$0.31 M	% Variance
YTD Actual	\$0.31 M	(10.1%)
YTD Budget	\$0.34 M	

Refer to Statement of Financial Activity

Key Investing Activities

Amount attributable to investing activities			
Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)
(\$0.96 M)	(\$1.40 M)	(\$1.18 M)	\$0.22 M

Refer to Statement of Financial Activity

Proceeds on sale		
	\$0.04 M	%
YTD Actual	\$0.04 M	100.0%
Amended Budget	\$0.04 M	

Refer to Note 7 - Disposal of Assets

Asset Acquisition		
	\$3.24 M	% Spent
YTD Actual	\$3.24 M	51.5%
Amended Budget	\$6.29 M	

Refer to Note 8 - Capital Acquisitions

Capital Grants		
	\$2.02 M	% Received
YTD Actual	\$2.02 M	38.1%
Amended Budget	\$5.30 M	

Refer to Note 8 - Capital Acquisitions

Key Financing Activities

Amount attributable to financing activities			
Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)
(\$0.70 M)	(\$0.01 M)	(\$0.01 M)	\$0.00 M

Refer to Statement of Financial Activity

Borrowings		
	\$0.00 M	
Principal repayments	\$0.00 M	
Interest expense	\$0.00 M	
Principal due	\$0.00 M	

Refer to Note 8 - Borrowings

Reserves	
Reserves balance	\$4.87 M
Interest earned	\$0.01 M

Refer to Note 9 - Cash Reserves

This information is to be read in conjunction with the accompanying Financial Statements and notes.

KEY TERMS AND DESCRIPTIONS
FOR THE PERIOD ENDED 31 MARCH 2022

STATUTORY REPORTING PROGRAMS

Shire operations as disclosed in these financial statements encompass the following service orientated activities/programs.

PROGRAM NAME AND OBJECTIVES
GOVERNANCE

To provide a decision making process for the efficient allocation of scarce resources.

ACTIVITIES

Includes the activities of members of council and the administrative support available to the council for the provision of governance of the district. Other costs relate to the task of assisting elected members and ratepayers on matters which do not concern specific council services.

GENERAL PURPOSE FUNDING

To collect revenue to allow for the provision of services.

Rates, general purpose government grants and interest revenue.

LAW, ORDER, PUBLIC SAFETY

To provide services to help ensure safer and environmentally conscious community.

Supervision and enforcement of various laws relating to aspects of public safety including emergency services.

HEALTH

To provide an operational framework for environmental and community health.

Inspection of food outlets and their control, and a waste pick-up service Warburton.

EDUCATION AND WELFARE

To provide services to children and youth.

Nil

HOUSING

To provide and maintain staff housing.

Provision and maintenance of staff housing.

COMMUNITY AMENITIES

To provide services required by the community.

Rubbish collection services, litter control; Warburton

RECREATION AND CULTURE

To establish and effectively manage infrastructure and resources which will help the social well-being of the community.

Maintenance of public halls, civic centres, Warburton recreation centre and operation of recreation services in Warburton. Provision and maintenance of parks and playgrounds. Operation of other cultural facilities.

TRANSPORT

To provide safe, effective and efficient transport services to the community.

Construction and maintenance of roads, streets, footpaths, depot and traffic control. Cleaning of streets and maintenance of street trees.

ECONOMIC SERVICES

To help promote the shire and its economic well-being.

Tourism and area promotion and building control.

OTHER PROPERTY AND SERVICES

To monitor and control council's overheads operating accounts.

Private works operation, plant repairs, operation costs and administrative costs.

STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 MARCH 2022

STATUTORY REPORTING PROGRAMS

	Ref Note	Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)	Var. % (b)-(a)/(a)	Var.
		\$	\$	\$	\$	%	
Opening funding surplus / (deficit)	1(c)	3,149,420	3,149,420	3,149,420	0	0.00%	
Operating Activities							
Revenue from operating activities							
Governance		207,041	206,535	206,800	265	0.13%	
General purpose funding - general rates	6	230,465	230,465	230,465	0	0.00%	
General purpose funding - other		1,479,708	1,109,727	1,109,927	200	0.02%	
Law, order and public safety		440	440	440	0	0.00%	
Health		320	0	0	0	0.00%	
Education and welfare		102,000	76,500	52,000	(24,500)	(32.03%)	▼
Housing		145,000	108,750	107,283	(1,467)	(1.35%)	
Community amenities		130,925	130,794	130,779	(15)	(0.01%)	
Recreation and culture		248,926	192,673	183,859	(8,814)	(4.57%)	
Transport		1,877,525	2,087,532	1,693,634	(393,898)	(18.87%)	▼
Economic services		3,530	2,628	3,530	902	34.32%	
		4,425,880	4,146,044	3,718,717	(427,327)		
Expenditure from operating activities							
Governance		(11,075)	(806)	(82,221)	(81,415)	(10101.12%)	▼
Law, order and public safety		(42,332)	(8,283)	(6,151)	2,132	25.74%	
Health		(306,202)	(216,909)	(184,635)	32,274	14.88%	▲
Education and welfare		(61,612)	(40,317)	(36,433)	3,884	9.63%	
Housing		(414,836)	(256,601)	(184,544)	72,057	28.08%	▲
Community amenities		(318,908)	(180,850)	(151,635)	29,215	16.15%	▲
Recreation and culture		(652,929)	(420,517)	(362,139)	58,378	13.88%	▲
Transport		(5,583,312)	(4,187,340)	(3,115,313)	1,072,027	25.60%	▲
Economic services		(304,129)	(228,051)	(124,865)	103,186	45.25%	▲
Other property and services		0	0	(12,262)	(12,262)	0.00%	
		(7,695,335)	(5,539,674)	(4,260,198)	1,279,476		
Non-cash amounts excluded from operating activities	1(a)	1,780,261	1,335,123	1,326,852	(8,271)	(0.62%)	
Amount attributable to operating activities		(1,489,194)	(58,507)	785,371	843,878		
Investing Activities							
Proceeds from non-operating grants, subsidies and contributions	12	5,295,093	3,291,903	2,018,523	(1,273,380)	(38.68%)	▼
Proceeds from disposal of assets	7	38,636	38,636	38,636	0	0.00%	
Payments for property, plant and equipment and infrastructure	8	(6,293,664)	(4,729,396)	(3,240,897)	1,488,499	31.47%	▲
Amount attributable to investing activities		(959,935)	(1,398,857)	(1,183,738)	215,119		
Financing Activities							
Transfer to reserves	9	(700,291)	(12,445)	(12,445)	0	0.00%	
Amount attributable to financing activities		(700,291)	(12,445)	(12,445)	0		
Closing funding surplus / (deficit)	1(c)	0	1,679,611	2,738,608			

KEY INFORMATION

▲ ▼ Indicates a variance between Year to Date (YTD) Actual and YTD Actual data as per the adopted materiality threshold.

Refer to Note 14 for an explanation of the reasons for the variance.

The material variance adopted by Council for the 2021-22 year is \$20,000 or 10.00% whichever is the greater.

This statement is to be read in conjunction with the accompanying Financial Statements and notes.

KEY TERMS AND DESCRIPTIONS

FOR THE PERIOD ENDED 31 MARCH 2022

REVENUE

RATES

All rates levied under the *Local Government Act 1995*. Includes general, differential, specified area rates, minimum rates, interim rates, back rates, ex-gratia rates, less discounts and concessions offered. Exclude administration fees, interest on instalments, interest on arrears, service charges and sewerage rates.

OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS

Refers to all amounts received as grants, subsidies and contributions that are not non-operating grants.

NON-OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS

Amounts received specifically for the acquisition, construction of new or the upgrading of identifiable non financial assets paid to a local government, irrespective of whether these amounts are received as capital grants, subsidies, contributions or donations.

REVENUE FROM CONTRACTS WITH CUSTOMERS

Revenue from contracts with customers is recognised when the local government satisfies its performance obligations under the contract.

FEES AND CHARGES

Revenues (other than service charges) from the use of facilities and charges made for local government services, sewerage rates, rentals, hire charges, fee for service, photocopying charges, licences, sale of goods or information, fines, penalties and administration fees. Local governments may wish to disclose more detail such as rubbish collection fees, rental of property, fines and penalties, other fees and charges.

SERVICE CHARGES

Service charges imposed under *Division 6 of Part 6 of the Local Government Act 1995. Regulation 54 of the Local Government (Financial Management) Regulations 1996* identifies these as television and radio broadcasting, underground electricity and neighbourhood surveillance services. Exclude rubbish removal charges. Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

INTEREST EARNINGS

Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

OTHER REVENUE / INCOME

Other revenue, which can not be classified under the above headings, includes dividends, discounts, rebates etc.

PROFIT ON ASSET DISPOSAL

Excess of assets received over the net book value for assets on their disposal.

NATURE OR TYPE DESCRIPTIONS

EXPENSES

EMPLOYEE COSTS

All costs associate with the employment of person such as salaries, wages, allowances, benefits such as vehicle and housing, superannuation, employment expenses, removal expenses, relocation expenses, worker's compensation insurance, training costs, conferences, safety expenses, medical examinations, fringe benefit tax, etc.

MATERIALS AND CONTRACTS

All expenditures on materials, supplies and contracts not classified under other headings. These include supply of goods and materials, legal expenses, consultancy, maintenance agreements, communication expenses, advertising expenses, membership, periodicals, publications, hire expenses, rental, leases, postage and freight etc. Local governments may wish to disclose more detail such as contract services, consultancy, information technology, rental or lease expenditures.

UTILITIES (GAS, ELECTRICITY, WATER, ETC.)

Expenditures made to the respective agencies for the provision of power, gas or water. Exclude expenditures incurred for the reinstatement of roadwork on behalf of these agencies.

INSURANCE

All insurance other than worker's compensation and health benefit insurance included as a cost of employment.

LOSS ON ASSET DISPOSAL

Shortfall between the value of assets received over the net book value for assets on their disposal.

DEPRECIATION ON NON-CURRENT ASSETS

Depreciation expense raised on all classes of assets.

INTEREST EXPENSES

Interest and other costs of finance paid, including costs of finance for loan debentures, overdraft accommodation and refinancing expenses.

OTHER EXPENDITURE

Statutory fees, taxes, allowance for impairment of assets, member's fees or State taxes. Donations and subsidies made to community groups.

STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 MARCH 2022

BY NATURE OR TYPE

	Ref Note	Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)	Var. % (b)-(a)/(a)	Var.
		\$	\$	\$	\$	%	
Opening funding surplus / (deficit)	1(c)	3,149,420	3,149,420	3,149,420	0	0.00%	
Operating Activities							
Revenue from operating activities							
Rates	6	230,465	230,465	230,465	0	0.00%	
Operating grants, subsidies and contributions	11	3,463,932	3,308,170	2,906,168	(402,002)	(12.15%)	▼
Fees and charges		442,620	339,517	305,224	(34,293)	(10.10%)	▼
Interest earnings		25,179	18,831	19,031	200	1.06%	
Other revenue		230,231	223,978	224,376	398	0.18%	
Profit on disposal of assets	7	33,453	25,083	33,453	8,370	33.37%	
		4,425,880	4,146,044	3,718,717	(427,327)		
Expenditure from operating activities							
Employee costs		(2,478,624)	(1,667,217)	(1,466,414)	200,803	12.04%	▲
Materials and contracts		(3,136,844)	(2,290,553)	(1,239,007)	1,051,546	45.91%	▲
Utility charges		(70,350)	(52,395)	(35,907)	16,488	31.47%	
Depreciation on non-current assets		(1,813,714)	(1,360,206)	(1,360,305)	(99)	(0.01%)	
Interest expenses		(1,500)	0	0	0	0.00%	
Insurance expenses		(131,731)	(127,980)	(130,733)	(2,753)	(2.15%)	
Other expenditure		(62,572)	(41,323)	(27,832)	13,491	32.65%	
		(7,695,335)	(5,539,674)	(4,260,198)	1,279,476		
Non-cash amounts excluded from operating activities	1(a)	1,780,261	1,335,123	1,326,852	(8,271)	(0.62%)	
Amount attributable to operating activities		(1,489,194)	(58,507)	785,371	843,878		
Investing activities							
Proceeds from non-operating grants, subsidies and contributions	12	5,295,093	3,291,903	2,018,523	(1,273,380)	(38.68%)	▼
Proceeds from disposal of assets	7	38,636	38,636	38,636	0	0.00%	
Payments for property, plant and equipment	8	(6,293,664)	(4,729,396)	(3,240,897)	1,488,499	31.47%	▲
Amount attributable to investing activities		(959,935)	(1,398,857)	(1,183,738)	215,119		
Financing Activities							
Transfer to reserves	9	(700,291)	(12,445)	(12,445)	0	0.00%	
Amount attributable to financing activities		(700,291)	(12,445)	(12,445)	0		
Closing funding surplus / (deficit)	1(c)	0	1,679,611	2,738,608			

KEY INFORMATION

▲ ▼ Indicates a variance between Year to Date (YTD) Actual and YTD Actual data as per the adopted materiality threshold.

Refer to Note 14 for an explanation of the reasons for the variance.

This statement is to be read in conjunction with the accompanying Financial Statements and Notes.

BASIS OF PREPARATION

The financial report has been prepared in accordance with Australian Accounting Standards (as they apply to local governments and not-for-profit entities) and interpretations of the Australian Accounting Standards Board, and the *Local Government Act 1995* and accompanying regulations.

The *Local Government Act 1995* and accompanying Regulations take precedence over Australian Accounting Standards where they are inconsistent.

The *Local Government (Financial Management) Regulations 1996* specify that vested land is a right-of-use asset to be measured at cost. All right-of-use assets (other than vested improvements) under zero cost concessionary leases are measured at zero cost rather than at fair value. The exception is vested improvements on concessionary land leases such as roads, buildings or other infrastructure which continue to be reported at fair value, as opposed to the vested land which is measured at zero cost. The measurement of vested improvements at fair value is a departure from AASB 16 which would have required the Shire to measure any vested improvements at zero cost.

Accounting policies which have been adopted in the preparation of this financial report have been consistently applied unless stated otherwise. Except for cash flow and rate setting information, the financial report has been prepared on the accrual basis and is based on historical costs, modified, where applicable, by the measurement at fair value of selected non-current assets, financial assets and liabilities.

THE LOCAL GOVERNMENT REPORTING ENTITY

All funds through which the Shire controls resources to carry on its functions have been included in the financial statements forming part of this financial report.

In the process of reporting on the local government as a single unit, all transactions and balances between those funds (for example, loans and transfers between funds) have been eliminated.

All monies held in the Trust Fund are excluded from the financial statements.

SIGNIFICANT ACCOUNTING POLICES

CRITICAL ACCOUNTING ESTIMATES

The preparation of a financial report in conformity with Australian Accounting Standards requires management to make judgements, estimates and assumptions that effect the application of policies and reported amounts of assets and liabilities, income and expenses.

The estimates and associated assumptions are based on historical experience and various other factors that are believed to be reasonable under the circumstances; the results of which form the basis of making the judgements about carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

GOODS AND SERVICES TAX

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office (ATO). Receivables and payables are stated inclusive of GST receivable or payable. The net amount of GST recoverable from, or payable to, the ATO is included with receivables or payables in the statement of financial position. Cash flows are presented on a gross basis. The GST components of cash flows arising from investing or financing activities which are recoverable from, or payable to, the ATO are presented as operating cash flows.

ROUNDING OFF FIGURES

All figures shown in this statement are rounded to the nearest dollar.

PREPARATION TIMING AND REVIEW

Date prepared: All known transactions up to 13 April 2022

(a) Non-cash items excluded from operating activities

The following non-cash revenue and expenditure has been excluded from operating activities within the Statement of Financial Activity in accordance with Financial Management Regulation 32.

	Notes	Amended Budget	YTD Budget (a)	YTD Actual (b)
Non-cash items excluded from operating activities		\$	\$	\$
Adjustments to operating activities				
Less: Profit on asset disposals	7	(33,453)	(25,083)	(33,453)
Add: Depreciation on assets		1,813,714	1,360,206	1,360,305
Total non-cash items excluded from operating activities		1,780,261	1,335,123	1,326,852

(b) Adjustments to net current assets in the Statement of Financial Activity

The following current assets and liabilities have been excluded from the net current assets used in the Statement of Financial Activity in accordance with *Financial Management Regulation* 32 to agree to the surplus/(deficit) after imposition of general rates.

		Last Year Closing 30 June 2021	This Time Last Year 31 March 2021	Year to Date 31 March 2022
Adjustments to net current assets				
Less: Reserves - restricted cash	9	(4,862,136)	(3,856,690)	(4,874,581)
Total adjustments to net current assets		(4,862,136)	(3,856,690)	(4,874,581)

(c) Net current assets used in the Statement of Financial Activity

Current assets				
Cash and cash equivalents	2	10,059,898	7,270,461	8,390,447
Rates receivables	3	0	6,103	24,055
Receivables	3	41,312	614,174	857,180
Other current assets	4	70,629	50,497	57,029
Less: Current liabilities				
Payables	5	(452,494)	(104,705)	(222,105)
Contract liabilities	10	(670,832)	(1,250,925)	(574,864)
Liabilities under transfers to acquire or construct non-financial assets to be controlled by the entity	10	(833,421)	0	(715,017)
Provisions	10	(203,536)	(154,226)	(203,536)
Less: Total adjustments to net current assets	1(b)	(4,862,136)	(3,856,690)	(4,874,581)
Closing funding surplus / (deficit)		3,149,420	2,574,689	2,738,608

CURRENT AND NON-CURRENT CLASSIFICATION

In the determination of whether an asset or liability is current or non-current, consideration is given to the time when each asset or liability is expected to be settled. Unless otherwise stated assets or liabilities are classified as current if expected to be settled within the next 12 months, being the Council's operational cycle.

Description	Classification	Unrestricted	Restricted	Total Cash	Institution	Interest Rate	Maturity Date
		\$	\$	\$			
Cash on hand							
Cash Advance	Cash and cash equivalents	2,600	0	2,600	Cash on hand	Nil	Nil
Cash at Bank - Municipal	Cash and cash equivalents	331,133	0	331,133	Westpac	Variable	Nil
Cash at Bank - Municipal	Cash and cash equivalents	3,182,133	0	3,182,133	Westpac	Variable	Nil
Cash at Bank - Reserve	Cash and cash equivalents	0	4,874,581	4,874,581	Westpac	Variable	Nil
Total		3,515,866	4,874,581	8,390,447			
Comprising							
Cash and cash equivalents		3,515,866	4,874,581	8,390,447			
		3,515,866	4,874,581	8,390,447			

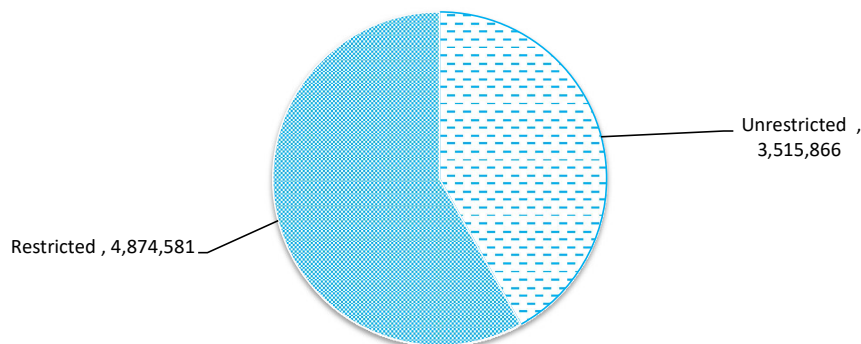
KEY INFORMATION

Cash and cash equivalents include cash on hand, cash at bank, deposits available on demand with banks and other short term highly liquid investments with original maturities of three months or less that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value and bank overdrafts. Bank overdrafts are reported as short term borrowings in current liabilities in the statement of net current assets.

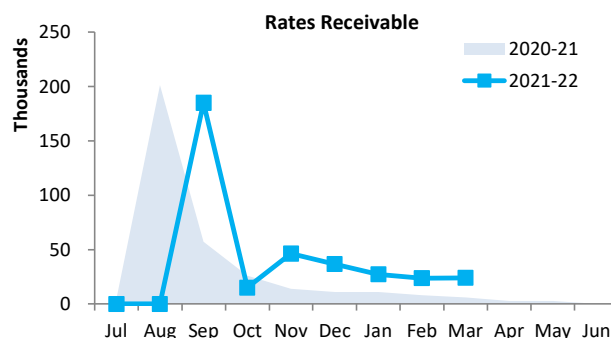
The local government classifies financial assets at amortised cost if both of the following criteria are met:

- the asset is held within a business model whose objective is to collect the contractual cashflows, and
- the contractual terms give rise to cash flows that are solely payments of principal and interest.

Financial assets at amortised cost held with registered financial institutions are listed in this note other financial assets at amortised cost are provided in Note 4 - Other assets.



Rates receivable	30 June 2021	31 Mar 2022
	\$	\$
Gross rates in arrears previous year	4,833	0
Levied this year	172,589	230,465
Less - collections to date	(177,422)	(206,410)
Net rates collectable	0	24,055
% Collected	100%	89.6%

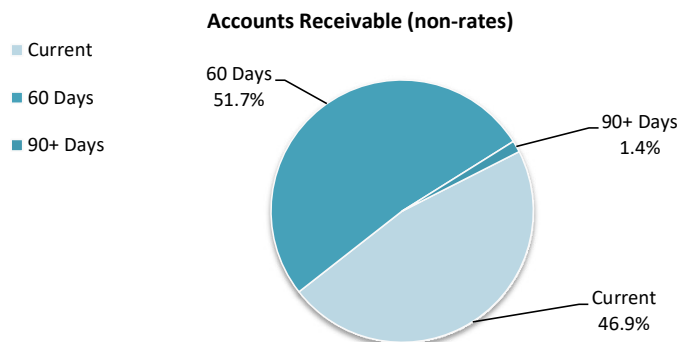


Receivables - general	Credit	Current	30 Days	60 Days	90+ Days	Total
	\$	\$	\$	\$	\$	\$
Receivables - general	0	372,533	0	409,933	11,135	793,601
Percentage		46.9%	0%	51.7%	1.4%	
Balance per trial balance						
Sundry receivable						793,601
GST receivable						63,579
Total receivables general outstanding						857,180

Amounts shown above include GST (where applicable)

KEY INFORMATION

Trade and other receivables include amounts due from ratepayers for unpaid rates and service charges and other amounts due from third parties for goods sold and services performed in the ordinary course of business. Receivables expected to be collected within 12 months of the end of the reporting period are classified as current assets. All other receivables are classified as non-current assets. Collectability of trade and other receivables is reviewed on an ongoing basis. Debts that are known to be uncollectible are written off when identified. An allowance for impairment of receivables is raised when there is objective evidence that they will not be collectible.



	Opening Balance 1 July 2021	Asset Increase	Asset Reduction	Closing Balance 31 March 2022
Other current assets	\$	\$	\$	\$
Inventory				
Stock on hand	57,029	0	0	57,029
Other current assets				
Accrued income	13,600	0	(13,600)	0
Total other current assets	70,629	0	(13,600)	57,029
Amounts shown above include GST (where applicable)				

KEY INFORMATION

Inventory

Inventories are measured at the lower of cost and net realisable value.

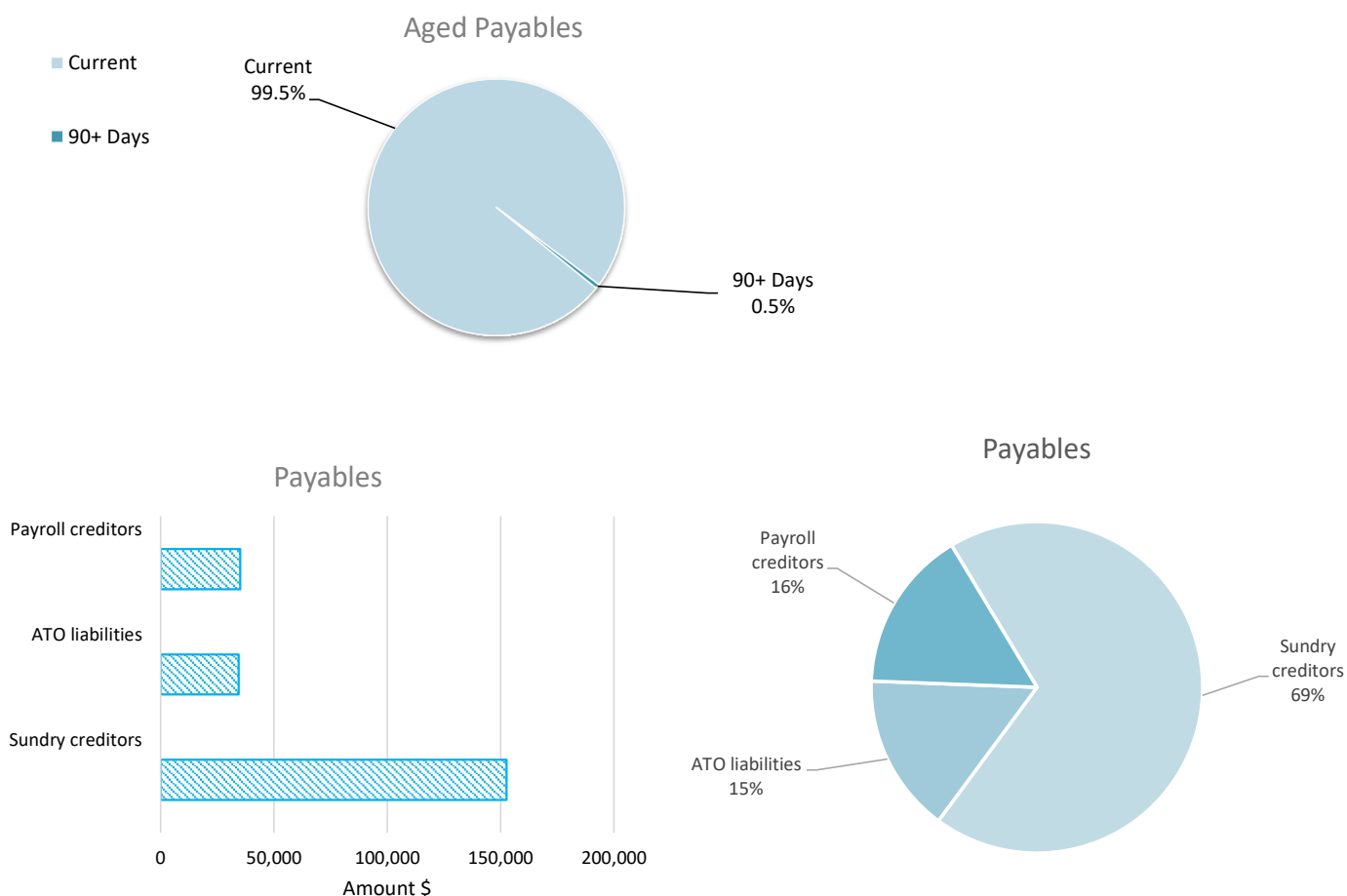
Net realisable value is the estimated selling price in the ordinary course of business less the estimated costs of completion and the estimated costs necessary to make the sale.

Payables - general	Credit	Current	30 Days	60 Days	90+ Days	Total
	\$	\$	\$	\$	\$	\$
Payables - general	0	151,838	0	0	821	152,659
Percentage		99.5%	0%	0%	0.5%	
Balance per trial balance						
Sundry creditors						152,659
ATO liabilities						34,400
Payroll creditors						35,046
Total payables general outstanding						222,105

Amounts shown above include GST (where applicable)

KEY INFORMATION

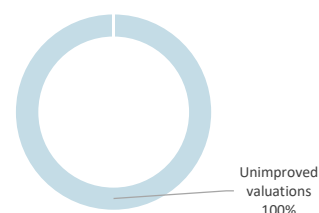
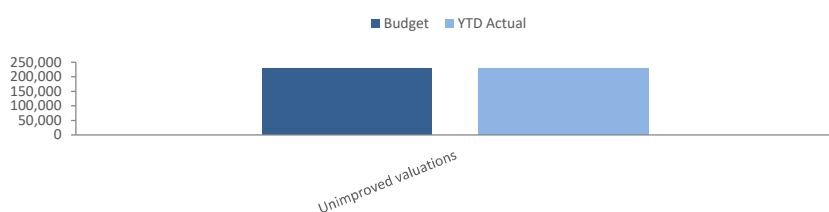
Trade and other payables represent liabilities for goods and services provided to the Shire that are unpaid and arise when the Shire becomes obliged to make future payments in respect of the purchase of these goods and services. The amounts are unsecured, are recognised as a current liability and are normally paid within 30 days of recognition.



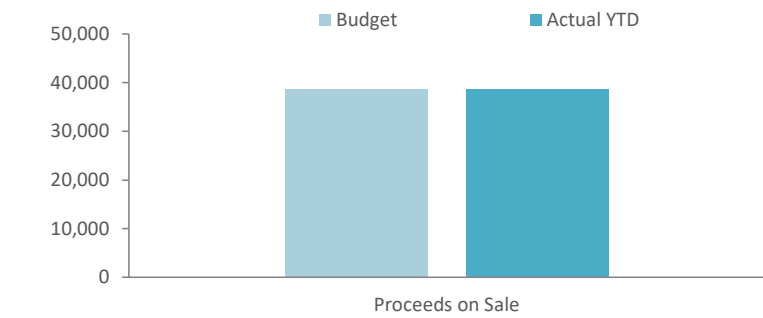
General rate revenue	Budget							YTD Actual			
	Rate in \$ (cents)	Number of Properties	Rateable Value	Rate Revenue	Interim Rate	Back Rate	Total Revenue	Rate Revenue	Interim Rates	Back Rates	Total Revenue
RATE TYPE				\$	\$	\$	\$	\$	\$	\$	\$
Unimproved value											
Unimproved valuations	0.2100	28	898,344	184,356	41,350	3,779	229,485	184,356	41,350	3,779	229,485
Sub-Total		28	898,344	184,356	41,350	3,779	229,485	184,356	41,350	3,779	229,485
Minimum payment	Minimum \$										
Unimproved value											
Unimproved valuations	245	4	3,471	980	0	0	980	980	0	0	980
Sub-total		4	3,471	980	0	0	980	980	0	0	980
Total general rates							230,465				230,465

KEY INFORMATION

Prepaid rates are, until the taxable event for the rates has occurred, refundable at the request of the ratepayer. Rates received in advance give rise to a financial liability. On 1 July 2021 the prepaid rates were recognised as a financial asset and a related amount was recognised as a financial liability and no income was recognised. When the taxable event occurs the financial liability is extinguished and income recognised for the prepaid rates that have not been refunded.



Asset Ref.	Asset description	Budget				YTD Actual			
		Net Book	Proceeds	Profit	(Loss)	Net Book	Proceeds	Profit	(Loss)
		Value				Value			
		\$	\$	\$	\$	\$	\$	\$	\$
	Plant and equipment								
	Transport								
	Toyota Prado - PE052	5,183	38,636	33,453	0	5,183	38,636	33,453	0
		5,183	38,636	33,453	0	5,183	38,636	33,453	0



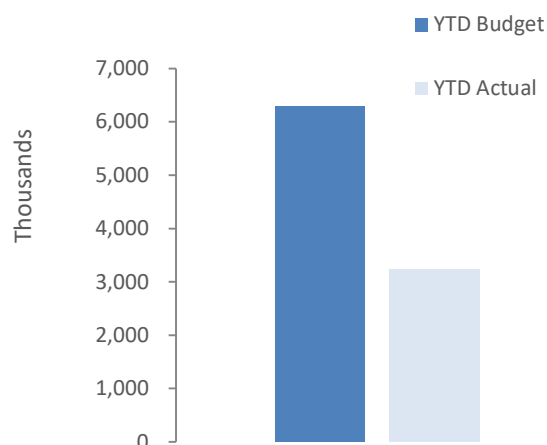
**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 MARCH 2022**

**INVESTING ACTIVITIES
NOTE 8
CAPITAL ACQUISITIONS**

Capital acquisitions	Amended		YTD Actual	YTD Actual Variance
	Budget	YTD Budget		
	\$	\$	\$	\$
Land & Buildings	282,185	202,491	68,408	(134,083)
Furniture & Equipment	80,000	54,000	42,855	(11,145)
Plant & Equipment	233,782	201,532	103,844	(97,688)
Infrastructure - Roads	5,692,697	4,269,492	3,023,909	(1,245,583)
Infrastructure - Recreation	5,000	1,881	1,881	0
Payments for Capital Acquisitions	6,293,664	4,729,396	3,240,897	(1,488,499)
Total Capital Acquisitions	6,293,664	4,729,396	3,240,897	(1,488,499)
Capital Acquisitions Funded By:				
	\$	\$	\$	\$
Capital grants and contributions	5,295,093	3,291,903	2,018,523	(1,273,380)
Other (disposals & C/Fwd)	38,636	38,636	38,636	0
Contribution - operations	959,935	1,398,857	1,183,738	(215,119)
Capital funding total	6,293,664	4,729,396	3,240,897	(1,488,499)

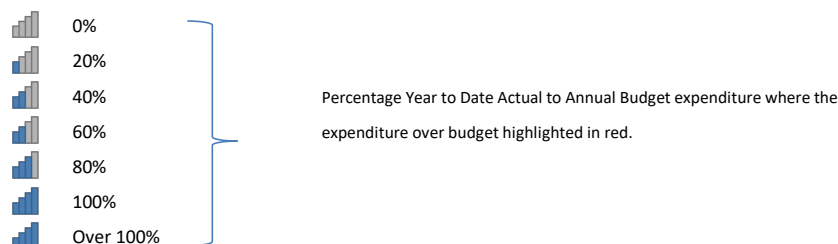
SIGNIFICANT ACCOUNTING POLICIES

All assets are initially recognised at cost. Cost is determined as the fair value of the assets given as consideration plus costs incidental to the acquisition. For assets acquired at no cost or for nominal consideration, cost is determined as fair value at the date of acquisition. The cost of non-current assets constructed by the local government includes the cost of all materials used in the construction, direct labour on the project and an appropriate proportion of variable and fixed overhead. Certain asset classes may be revalued on a regular basis such that the carrying values are not materially different from fair value. Assets carried at fair value are to be revalued with sufficient regularity to ensure the carrying amount does not differ materially from that determined using fair value at reporting date.



Capital expenditure total

Level of completion indicators



Level of completion indicator, please see table at the end of this note for further detail.

		Amended			
		Current	Year to Date	Year to Date	Variance
		Budget	Budget	Actual	(Under)/Over
Account Description					
Capital Expenditure					
Land & Buildings					
	092500 Housing CapEx	12,185	0	0	0
	121200 Storage Compound (Land & Buildings - new)	270,000	202,491	68,408	(134,083)
	Land & Buildings Total	282,185	202,491	68,408	(134,083)
Furniture & Equipment					
	042562 Furniture & Equipment - Computer	80,000	54,000	42,855	(11,145)
	Furniture & Equipment Total	80,000	54,000	42,855	(11,145)
Plant & Equipment					
	042565 Plant & Equipment	60,000	60,000	59,062	(938)
	102100 Plant & Equipment (New)	44,782	44,782	44,782	0
	123007 Plant & Equipment Purchases	129,000	96,750	0	(96,750)
	Plant & Equipment Total	233,782	201,532	103,844	(97,688)
Infrastructure - Roads					
	121008 Wanarn Access	838,779	629,082	389,369	(239,713)
	121400 Great Central Road - MRWA Capex	2,089,849	1,567,386	954,858	(612,528)
	147612 Warburton Blackstone (RRG)	1,779,081	1,334,304	1,305,256	(29,048)
	147622 Warburton Bypass - MRWA	88,500	66,366	11,367	(54,999)
	147625 Giles Mulga Park (RRG)	495,000	371,250	261,571	(109,679)
	147631 Warburton Town Roads - renewal / upgrade	101,488	76,113	101,488	25,375
	147633 Tjirrkal community access, install causeways	300,000	224,991	0	(224,991)
	Infrastructure - Roads Total	5,692,697	4,269,492	3,023,909	(1,245,583)
Infrastructure - Recreation					
	147564 Warbon Oval Shade Structure	5,000	1,881	1,881	0
	Infrastructure - Recreation Total	5,000	1,881	1,881	0
	Grand Total	6,293,664	4,729,396	3,240,897	(1,488,499)

Cash backed reserve

Reserve name	Opening Balance	Budget Interest Earned	Actual Interest Earned	Budget Transfers In (+)	Actual Transfers In (+)	Budget Transfers Out (-)	Actual Transfers Out (-)	Budget Closing Balance	Actual YTD Closing Balance
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Employee entitlement reserve	311,532	0	797	0	0	0	0	311,532	312,329
Asset replacement, acquisition and development reserve	4,093,527	0	10,478	700,291	0	0	0	4,793,818	4,104,005
Cultural centre reserve	122,077	0	312	0	0	0	0	122,077	122,389
Strategic reserve	335,000	0	858	0	0	0	0	335,000	335,858
	4,862,136	0	12,445	700,291	0	0	0	5,562,427	4,874,581

	Opening Balance	Liability transferred from/(to) non current	Liability Increase	Liability Reduction	Closing Balance
Other current liabilities	1 July 2021				31 March 2022
	\$		\$	\$	\$
Other liabilities					
- Contract liabilities	670,832	0	1,069,785	(1,165,753)	574,864
- Liabilities under transfers to acquire or construct non-financial assets to be controlled by the entity	833,421	0	1,148,000	(1,266,404)	715,017
Total other liabilities	1,504,253	0	2,217,785	(2,432,157)	1,289,881
Provisions					
Provision for annual and isolation leave	108,414	0	0	0	108,414
Provision for long service leave	95,122	0	0	0	95,122
Total Provisions	203,536	0	0	0	203,536
Total other current liabilities	1,707,789	0	2,217,785	(2,432,157)	1,493,417
Amounts shown above include GST (where applicable)					

A breakdown of contract liabilities and associated movements is provided on the following pages at Note 11 and 12

KEY INFORMATION

Provisions

Provisions are recognised when the Shire has a present legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured.

Provisions are measured using the best estimate of the amounts required to settle the obligation at the end of the reporting period.

Employee benefits

Short-term employee benefits

Provision is made for the Shire's obligations for short-term employee benefits. Short-term employee benefits are benefits (other than termination benefits) that are expected to be settled wholly before 12 months after the end of the annual reporting period in which the employees render the related service, including wages, salaries and sick leave. Short-term employee benefits are measured at the (undiscounted) amounts expected to be paid when the obligation is settled.

The Shire's obligations for short-term employee benefits such as wages, salaries and sick leave are recognised as a part of current trade and other payables in the calculation of net current assets.

Other long-term employee benefits

The Shire's obligations for employees' annual leave and long service leave entitlements are recognised as provisions in the statement of financial position.

Long-term employee benefits are measured at the present value of the expected future payments to be made to employees. Expected future payments incorporate anticipated future wage and salary levels, durations of service and employee departures and are discounted at rates determined by reference to market yields at the end of the reporting period on government bonds that have maturity dates that approximate the terms of the obligations. Any remeasurements for changes in assumptions of obligations for other long-term employee benefits are recognised in profit or loss in the periods in which the changes occur. The Shire's obligations for long-term employee benefits are presented as non-current provisions in its statement of financial position, except where the Shire does not have an unconditional right to defer settlement for at least 12 months after the end of the reporting period, in which case the obligations are presented as current provisions.

Contract liabilities

An entity's obligation to transfer goods or services to a customer for which the entity has received consideration (or the amount is due) from the customer. Grants to acquire or construct recognisable non-financial assets to identified specifications be constructed to be controlled by the Shire are recognised as a liability until such time as the Shire satisfies its obligations under the agreement.

Provider	Unspent operating grant, subsidies and contributions liability					Operating grants, subsidies and contributions revenue		
	Liability	Increase in Liability	Decrease in Liability	Liability	Current Liability	Amended Budget	YTD	YTD
	1 July 2021		(As revenue)	31 Mar 2022	31 Mar 2022	Revenue	Budget	Revenue Actual
	\$	\$	\$	\$	\$	\$	\$	\$
Operating grants and subsidies								
Governance								
General Grants (Untied)	0	0	0	0	0	1,454,529	1,090,896	1,090,897
Community amenities								
Grant income	99,405	0	(99,405)	0	0	99,405	99,405	99,405
Recreation and culture								
Grant-Others	0	0	0	0	0	10,000	0	0
Grant-Ministry Sport & Recreation	0	0	0	0	0	50,000	50,000	50,000
Transport								
Grants - Direct	0	0	0	0	0	185,918	139,437	185,918
Govt Grant - RA, Ab Access (Operating)	412,517	689,785	(799,264)	303,038	303,038	1,531,517	1,148,634	836,979
MRWA Grant - GCR Maintenance	158,910	380,000	(267,084)	271,826	271,826	538,909	404,181	267,084
Fed, Roads Grant (untied)	0	0	0	0	0	493,600	370,197	370,200
	670,832	1,069,785	(1,165,753)	574,864	574,864	4,363,878	3,302,750	2,900,483
Operating contributions								
Governance								
Licensing Commission	0	0	0	0	0	2,000	1,494	1,759
Recreation and culture								
Contributions	0	0	0	0	0	3,926	3,926	3,926
	0	0	0	0	0	5,926	5,420	5,685
TOTALS	670,832	1,069,785	(1,165,753)	574,864	574,864	4,369,804	3,308,170	2,906,168

Provider	Unspent non operating grants, subsidies and contributions liability					Non operating grants, subsidies and contributions revenue		
	Liability	Increase in	Decrease in	Liability	Current	Amended	YTD	YTD
	1 July 2021	Liability	Liability	31 Mar 2022	Liability	Budget	Budget	Revenue
	\$	\$	\$	\$	\$	\$	\$	\$
Non-operating grants and subsidies								
Transport								
Grants - MRWA GCR income for CapEx	589,849	520,000	(889,849)	220,000	220,000	2,009,849	1,507,383	889,849
Grants - Stimulus Funding	243,572	0	(243,572)	0	0	393,253	294,939	243,572
Grant - Special Projects	0	628,000	(132,983)	495,017	495,017	1,570,000	1,177,497	468,983
Grant-Roads to Recovery	0	0	0	0	0	416,119	312,084	416,119
	833,421	1,148,000	(1,266,404)	715,017	715,017	4,389,221	3,291,903	2,018,523

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 MARCH 2022**

**NOTE 13
BUDGET AMENDMENTS**

Amendments to original budget since budget adoption. Surplus/(Deficit)

GL Code	Description	Council Resolution	Classification	Non Cash Adjustment	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
				\$	\$	\$	\$
	Budget adoption		Opening surplus			(2,370)	(2,370)
030196	Interim rates	30/03/22 - Item 10.2	Operating Revenue		41,500		39,130
030197	Rates general	30/03/22 - Item 10.2	Operating Revenue			(4,296)	34,834
030199	Back Rates	30/03/22 - Item 10.2	Operating Revenue		3,779		38,613
030197	Rates General Interest	30/03/22 - Item 10.2	Operating Revenue		300		38,913
030302	Interest on Investments - Municipal Fund	30/03/22 - Item 10.2	Operating Revenue			(1,805)	37,108
030303	Interest on Investment - Reserves	30/03/22 - Item 10.2	Operating Revenue		1,534		38,642
030301	General Grants (Untied)	30/03/22 - Item 10.2	Operating Revenue			(38,807)	(165)
055005	Tfr to Asset Replace/Acq/Dev Res Fund	30/03/22 - Item 10.2	Capital Expenses			(560,000)	(560,165)
042398	Reimbursements	30/03/22 - Item 10.2	Operating Revenue		202,391		(357,774)
041321	Contributions & Reimbursements	30/03/22 - Item 10.2	Operating Revenue		400		(357,374)
041040	Election expenses	30/03/22 - Item 10.2	Operating Expenses		19,300		(338,074)
041093	Attendance Fees - Other Meetings	30/03/22 - Item 10.2	Operating Expenses			(500)	(338,574)
041094	Meetings - Other Costs	30/03/22 - Item 10.2	Operating Expenses		1,000		(337,574)
041150	Insurance	30/03/22 - Item 10.2	Operating Expenses			(748)	(338,322)
041160	Subscriptions	30/03/22 - Item 10.2	Operating Expenses			(2,500)	(340,822)
041281	Elected member professional development	30/03/22 - Item 10.2	Operating Expenses		2,000		(338,822)
041541	Administration Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		1,278		(337,544)
042010	Salaries	30/03/22 - Item 10.2	Operating Expenses			(27,500)	(365,044)
042044	Relief Staff Travelling	30/03/22 - Item 10.2	Operating Expenses			(500)	(365,544)
042051	Office Maintenance/Operations	30/03/22 - Item 10.2	Operating Expenses		6,700		(358,844)
042053	Office Gardens Maintenance	30/03/22 - Item 10.2	Operating Expenses			(11,613)	(370,457)
042080	Telephone/Fax Charges	30/03/22 - Item 10.2	Operating Expenses			(2,000)	(372,457)
042100	Advertising	30/03/22 - Item 10.2	Operating Expenses		2,000		(370,457)
042120	Bank Charges	30/03/22 - Item 10.2	Operating Expenses			(200)	(370,657)
042150	Accounting / Compliance Services	30/03/22 - Item 10.2	Operating Expenses			(55,000)	(425,657)
042160	Other Office Expenses	30/03/22 - Item 10.2	Operating Expenses		6,500		(419,157)
042164	Maintenance of Communications Equipment	30/03/22 - Item 10.2	Operating Expenses		1,000		(418,157)
042170	Vehicle Expenses - Operating	30/03/22 - Item 10.2	Operating Expenses		1,925		(416,232)
042180	Travelling and Accommodation	30/03/22 - Item 10.2	Operating Expenses		5,000		(411,232)
042182	Staff Leave Travelling Expenses	30/03/22 - Item 10.2	Operating Expenses			(2,500)	(413,732)
042200	Audit Fees	30/03/22 - Item 10.2	Operating Expenses		10,000		(403,732)
042211	Lands Service Review	30/03/22 - Item 10.2	Operating Expenses		40,000		(363,732)
042212	National Redress Scheme	30/03/22 - Item 10.2	Operating Expenses		2,000		(361,732)
042213	Information Technology / Management	30/03/22 - Item 10.2	Operating Expenses		11,000		(350,732)
042220	Valuation Expenses	30/03/22 - Item 10.2	Operating Expenses		10,000		(340,732)
042222	Uniforms & Personal Protective Equipment	30/03/22 - Item 10.2	Operating Expenses			(1,000)	(341,732)
042232	Legal Expenses - Other	30/03/22 - Item 10.2	Operating Expenses			(20,000)	(361,732)
042260	Insurance	30/03/22 - Item 10.2	Operating Expenses		1,306		(360,426)
042400	Less Administraion Expenses Allocated to Other Pro	30/03/22 - Item 10.2	Operating Expenses		173,206		(187,220)
042562	Furniture & Equipment - Computer	30/03/22 - Item 10.2	Capital Expenses		40,000		(147,220)
042562	Furniture & Equipment - Computer	30/03/22 - Item 10.2	Capital Expenses			(65,000)	(212,220)
042565	Plant & Equipment	30/03/22 - Item 10.2	Capital Revenue		30,000		(182,220)
051051	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses			(725)	(182,945)
051283	FESA Emergency Services Levy	30/03/22 - Item 10.2	Operating Expenses		368		(182,577)
051400	FESA Emergency Services Contribution	30/03/22 - Item 10.2	Operating Revenue			(2)	(182,579)
051401	FESA Emergency Services Levy	30/03/22 - Item 10.2	Operating Revenue		16		(182,563)
074010	Health Inspections	30/03/22 - Item 10.2	Operating Expenses			(51,009)	(233,572)
074040	Vehicle Running Expenses	30/03/22 - Item 10.2	Operating Expenses		2,028		(231,544)
074281	Administration Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses			(17,087)	(248,631)
074284	Other Expenses	30/03/22 - Item 10.2	Operating Expenses			(19,000)	(267,631)
075020	Pest Control	30/03/22 - Item 10.2	Operating Expenses			(1,131)	(268,762)
075021	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses			(226)	(268,988)
074271	School Health Education Programme	30/03/22 - Item 10.2	Operating Expenses		3,000		(265,988)
074278	Analytical Expenses	30/03/22 - Item 10.2	Operating Expenses			(2,000)	(267,988)
077272	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		54		(267,934)
083321	EYC Building Maintenance / Operations	30/03/22 - Item 10.2	Operating Expenses		200		(267,734)
083322	Early Years Administration Expense Allocated	30/03/22 - Item 10.2	Operating Expenses			(656)	(268,390)
091100	Staff Housing Operations	30/03/22 - Item 10.2	Operating Expenses		20,553		(247,837)
092048	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		337		(247,500)

Please refer to the compilation report

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 MARCH 2022**

**NOTE 13
BUDGET AMENDMENTS**

Amendments to original budget since budget adoption. Surplus/(Deficit)

GL Code	Description	Council Resolution	Classification	Non Cash Adjustment	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
				\$	\$	\$	\$
092100	Other Housing - Operations	30/03/22 - Item 10.2	Operating Expenses		23,915		(223,585)
092400	Rent - Shire Housing	30/03/22 - Item 10.2	Operating Revenue		5,000		(218,585)
092500	Housing CapEx	30/03/22 - Item 10.2	Capital Expenses			(12,185)	(230,770)
101021	Wages	30/03/22 - Item 10.2	Operating Expenses		156,216		(74,554)
101026	Plant Operation Costs	30/03/22 - Item 10.2	Operating Expenses		4,596		(69,958)
101028	Communication expenses	30/03/22 - Item 10.2	Operating Expenses			(1,000)	(70,958)
101030	Refuse Site Maintenance	30/03/22 - Item 10.2	Operating Expenses		25,000		(45,958)
101050	Travelling Expenses	30/03/22 - Item 10.2	Operating Expenses		5,000		(40,958)
101070	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		19,112		(21,846)
101410	Charges - Rubbish Removals	30/03/22 - Item 10.2	Operating Revenue		1,800		(20,046)
102100	Plant & Equipment (New)	30/03/22 - Item 10.2	Capital Expenses		55,218		35,172
111021	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		3,266		38,438
111030	Contribution - Cultural Centre	30/03/22 - Item 10.2	Operating Expenses		8,000		46,438
111031	Community Resource Centre - Repairs & Mtce	30/03/22 - Item 10.2	Operating Expenses		14,400		60,838
111100	Buildings (Upgrade)	30/03/22 - Item 10.2	Capital Expenses		20,000		80,838
112020	Contribution-Swimming Centre	30/03/22 - Item 10.2	Operating Expenses		20,000		100,838
113055	Lighting-Grassed Ovals	30/03/22 - Item 10.2	Operating Expenses		5,000		105,838
113280	Salaries- Sports & Recreation Officer	30/03/22 - Item 10.2	Operating Expenses		27,052		132,890
113284	Relocation Expenses	30/03/22 - Item 10.2	Operating Expenses		2,000		134,890
113285	Travel & Accommodation Expenses	30/03/22 - Item 10.2	Operating Expenses		1,500		136,390
113286	Motor Vehicle Running Expenses	30/03/22 - Item 10.2	Operating Expenses		3,000		139,390
113291	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		1,442		140,832
113294	Contract Relief	30/03/22 - Item 10.2	Operating Expenses		100		140,932
113301	Conferences & Staff Training	30/03/22 - Item 10.2	Operating Expenses		2,000		142,932
113312	Drop-In Centre Equipment	30/03/22 - Item 10.2	Operating Expenses			(20,000)	122,932
113313	Youth/DIC Misc. Equipment	30/03/22 - Item 10.2	Operating Expenses			(495)	122,437
113319	Youth Festivals & Events	30/03/22 - Item 10.2	Operating Expenses		5,000		127,437
113502	Grant-Others	30/03/22 - Item 10.2	Operating Revenue		10,000		137,437
113505	Contributions	30/03/22 - Item 10.2	Operating Revenue		3,926		141,363
113508	Grant-Ministry Sport & Recreation	30/03/22 - Item 10.2	Operating Revenue		50,000		191,363
147564	Warbon Oval Shade Structure	30/03/22 - Item 10.2	Operating Expenses		3,119		(67,839)
114280	Contribution-TV/Radio Community Facilities	30/03/22 - Item 10.2	Operating Expenses		3,400		(64,439)
144300	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		197		(64,242)
116260	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		1,156		(63,086)
116271	Contribution-Promotion of Aboriginal Art	30/03/22 - Item 10.2	Operating Expenses		3,000		(60,086)
116272	Exhibitions	30/03/22 - Item 10.2	Operating Expenses		6,000		(54,086)
116295	Centre Maintenance	30/03/22 - Item 10.2	Operating Expenses		9,400		(44,686)
116312	Cafe Maintenance	30/03/22 - Item 10.2	Operating Expenses			(4,441)	(49,127)
116314	Equipment Maintenance & Repairs-Cafe	30/03/22 - Item 10.2	Operating Expenses		3,000		(46,127)
116315	Purchase of Goods for Resale-Retail	30/03/22 - Item 10.2	Operating Expenses		2,000		(44,127)
116333	Gallery Maintenance	30/03/22 - Item 10.2	Operating Expenses			(4,200)	(48,327)
121301	Grants - Stimulus Funding	30/03/22 - Item 10.2	Operating Revenue			(905,872)	(954,199)
121008	Wanarn Access	30/03/22 - Item 10.2	Capital Expenses			(438,779)	(1,392,978)
147612	Warburton Blackstone (RRG)	30/03/22 - Item 10.2	Capital Expenses			(300,000)	(1,692,978)
147622	Warburton Bypass - MRWA	30/03/22 - Item 10.2	Capital Expenses			(88,500)	(1,781,478)
147631	Warburton Town Roads - renewal / upgrade	30/03/22 - Item 10.2	Capital Expenses		914,384		(867,094)
147633	Tjirrkali community access, install causeways	30/03/22 - Item 10.2	Capital Expenses			(300,000)	(1,167,094)
123007	Plant & Equipment Purchases	30/03/22 - Item 10.2	Capital Expenses			(35,000)	(1,202,094)
122360	Grant - Special Projects	30/03/22 - Item 10.2	Capital Revenue		900,000		(302,094)
121000	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses			(179,648)	(481,742)
122004	Other Minor Road Works	30/03/22 - Item 10.2	Operating Expenses		63,868		(417,874)
122009	Warburton Bypass Road	30/03/22 - Item 10.2	Operating Expenses		3,500		(414,374)
122027	Patjarr Community Access	30/03/22 - Item 10.2	Operating Expenses			(24,000)	(438,374)
122202	Road Supervision / Mgmt	30/03/22 - Item 10.2	Operating Expenses		42,471		(395,903)
122280	AMP Review	30/03/22 - Item 10.2	Operating Expenses		2,500		(393,403)
122281	R2030 Survey Centre Line MRWA	30/03/22 - Item 10.2	Operating Expenses		5,000		196,363
122282	Roman Road Inventory System - System Mtce	30/03/22 - Item 10.2	Operating Expenses			(2,000)	194,363
122289	Plant Operation Costs	30/03/22 - Item 10.2	Operating Expenses			(1,425)	192,938
122295	Travelling Expenses	30/03/22 - Item 10.2	Operating Expenses			(5,000)	187,938
122373	Fed, Roads Grant (untied)	30/03/22 - Item 10.2	Operating Revenue		197,650		385,588

Please refer to the compilation report

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 MARCH 2022**

**NOTE 13
BUDGET AMENDMENTS**

Amendments to original budget since budget adoption. Surplus/(Deficit)

GL Code	Description	Council Resolution	Classification	Non Cash Adjustment	Increase in Available Cash	Decrease in Available Cash	Amended Budget Running Balance
				\$	\$	\$	\$
027019	Proceeds Sale of Assets	30/03/22 - Item 10.2	Capital Revenue			(36,364)	349,224
131000	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses			(2,862)	346,362
132200	Tourism Consultancy	30/03/22 - Item 10.2	Operating Expenses		5,000		351,362
132289	Tourism Expenditure - Other (Minor)	30/03/22 - Item 10.2	Operating Expenses			(3,000)	348,362
131001	Administrative Expenses Allocated	30/03/22 - Item 10.2	Operating Expenses		1,157		349,519
133010	Building Inspections	30/03/22 - Item 10.2	Operating Expenses		9,031		358,550
133400	Building Commission Fees	30/03/22 - Item 10.2	Operating Revenue		1,072		359,622
133410	Charges Building Fees	30/03/22 - Item 10.2	Operating Revenue		1,458		361,080
055005	Tfr to Asset Replace/Acq/Dev Res Fund	30/03/22 - Item 10.2	Capital Expenses			(38,635)	322,445
				(809)	3,291,581	(3,291,581)	0

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 MARCH 2022**

**NOTE 14
EXPLANATION OF MATERIAL VARIANCES**

The material variance thresholds are adopted annually by Council as an indicator of whether the actual expenditure or revenue varies from the year to date Actual materially.

The material variance adopted by Council for the 2021-22 year is \$20,000 or 10.00% whichever is the greater.

Reporting Program	Var. \$	Var. %	Explanation of positive variances		Explanation of negative variances	
			Timing	Permanent	Timing	Permanent
Revenue from operating activities	\$	%				
Education and welfare	(24,500)	(32.03%) ▼			March Invoices yet to be raised	
Transport	(393,898)	(18.87%) ▼			Revenue is yet to be recognised - see Note 11	
Expenditure from operating activities						
Governance	(81,415)	(10101.12%) ▼			Under expenditure in various accounts is causing an underallocation of Admin expenses, this is flowing through to some other programs.	
Health	32,274	14.88% ▲	Employee related expenditure is currently under budget, new EHO has now commenced. Admin allocations are also contributing to this variance.			
Housing	72,057	28.08% ▲	Staff maintenance work on housing is causing this variance and the underallocation of admin expenses is the other contributor.			
Community amenities	29,215	16.15% ▲	Salaries are currently the reason for this variance.			
Recreation and culture	58,378	13.88% ▲	Salaries are currently the reason for this variance.			
Transport	1,072,027	25.60% ▲	Work on the road program continues to lag, projects will be carried forward to 22.23 budget where necessary.			
Economic services	103,186	45.25% ▲	The Tourism Consultancy project has fallen well behind the anticipated budget.			
Investing activities						
Proceeds from non-operating grants, subsidies and contributions	(1,273,380)	(38.68%) ▼			Revenue is yet to be recognised - see Note 11	
Payments for property, plant and equipment and infrastructure	1,488,499	31.47% ▲	The work on the storage compound is well behind anticipated. Road works also continues to be behind schedule.			



I.T. Disaster Recovery Plan

March, 2022

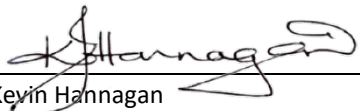
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Authorisation

This plan has been prepared by Focus Networks and is authorised by:



Kevin Hannagan
Chief Executive Officer
The Shire of Ngaanyatjaraku

Document Control

Proposal for amendment or change to this document should be forwarded to:

Doug Cusens
Operations Director
Focus Networks
E-mail: doug.cusens@focusnetworks.com.au

Date	Version	Description of Changes	Author
13.09.21	0.1	Previous document raised and redrafted	Bradley Parkes
13.09.21	0.2	Reviewed document	David Staeck
24.10.21	0.3	BIA exercise	Bradley Parkes
10.11.21	0.5	Modified Appendixes	Bradley Parkes
27.02.22	0.6	Modified Appendixes	Bradley Parkes
30.03.22	0.7	Sent to client as draft for review	Bradley Parkes
29.03.22	1.0	Final client version released	Bradley Parkes

Distribution

The distribution of this plan is controlled by the Director Governance and Strategic

Title	Office Location
Cary Green – Director Governance and Strategic	Warburton
Doug Cusens – Operations Director (Focus Networks)	Focus Networks Office

Table of Contents

Document Control	3
1.0 Activate This Plan.....	6
1.1 Authority to Activate this Plan	
2.0 Overview and Scope	7
2.1 Overview	
2.2 Aim	
2.3 Objectives	
2.4 Recovery Time Requirements	
2.5 Scope of Recovery	
3.0 Organisation	11
3.1 The Crisis Management Team	
3.2 The Management Team	
3.3 The Recovery Team	
3.4 The Facility Team	
4.0 Roles and Responsibilities	15
4.1 Management Team	
4.2 Recovery Team	
4.3 Facility Team	
5.0 Processes	18
5.1 Recovery Strategy	
5.2 Business Resumption	
5.3 Business Resumption Process	
5.4 Debriefing	
5.5 Maintain IT DR Plan Documentation	
5.6 Command Centre Operations	
6.0 Procedures	24
6.1 Management Team	
6.2 Facility Team	
6.3 Recovery Team	
Appendix A – Contact List	31
Appendix B – System Recovery Requirements	32
Appendix C – Command Centre Details.....	34
Appendix D – IT Recovery Procedures.....	38
Appendix E – Event Log.....	40
Appendix F – Contacting Focus Networks	41
Appendix G - Additional Information / Comments.....	42
Glossary	43

1.0 Activate This Plan

To activate this plan in the event of a real disaster, turn to PART SIX (Procedures)

1.1 Authority to Activate this Plan

The Chief Executive Officer has the exclusive authority to activate this plan by process of declaring a disaster. If this person is unavailable, the Director or Governance and Strategic may also declare a disaster.

2.0 Overview and Scope

2.1 Overview

A disaster is an event that significantly reduces the ability for The Shire of Ngaanyatjarraku to provide normal services to its clients. Typically, an outage to the core IT systems of The Shire of Ngaanyatjarraku exceeding the shortest acceptable outage from the BIA is deemed to be a disaster.

This plan details the communications structure, roles and responsibilities of the Crisis Management Team (CMT).

The CMT is responsible for managing the rapid and orderly resumption of core systems to The Shire of Ngaanyatjarraku in the event of a disaster. Consequently, the members of the CMT must have the appropriate authority and skills to accomplish their assigned tasks.

IT hardware and software problems, while they might in some instances be significant, will be resolved through normal problem resolution methods. The typical disaster involves an unscheduled event that causes the primary site to be inaccessible for an indefinite period. A disaster declaration begins the formal disaster recovery process outlined in this document.

2.2 Aim

The aim of this plan is to set out the mitigation, preparation, warning, response, and business continuity arrangements for the core IT systems of The Shire of Ngaanyatjarraku which are supported by Focus Networks 5/443 Albany Hwy, Victoria Park WA 6100

As described in section 5.3, continual review and change of this plan will occur annually – or with significant business change - with the aim of improving existing resilience against damage to the business in the event of an actual disaster or outage.

2.3 Objectives

The objective is to provide restoration and continuation of the core IT systems for The Shire of Ngaanyatjaraku when a disaster occurs. This is accomplished by developing and maintaining a detailed Disaster Recovery Plan (DRP) that will organize and govern a disaster recovery operation. The DRP must:

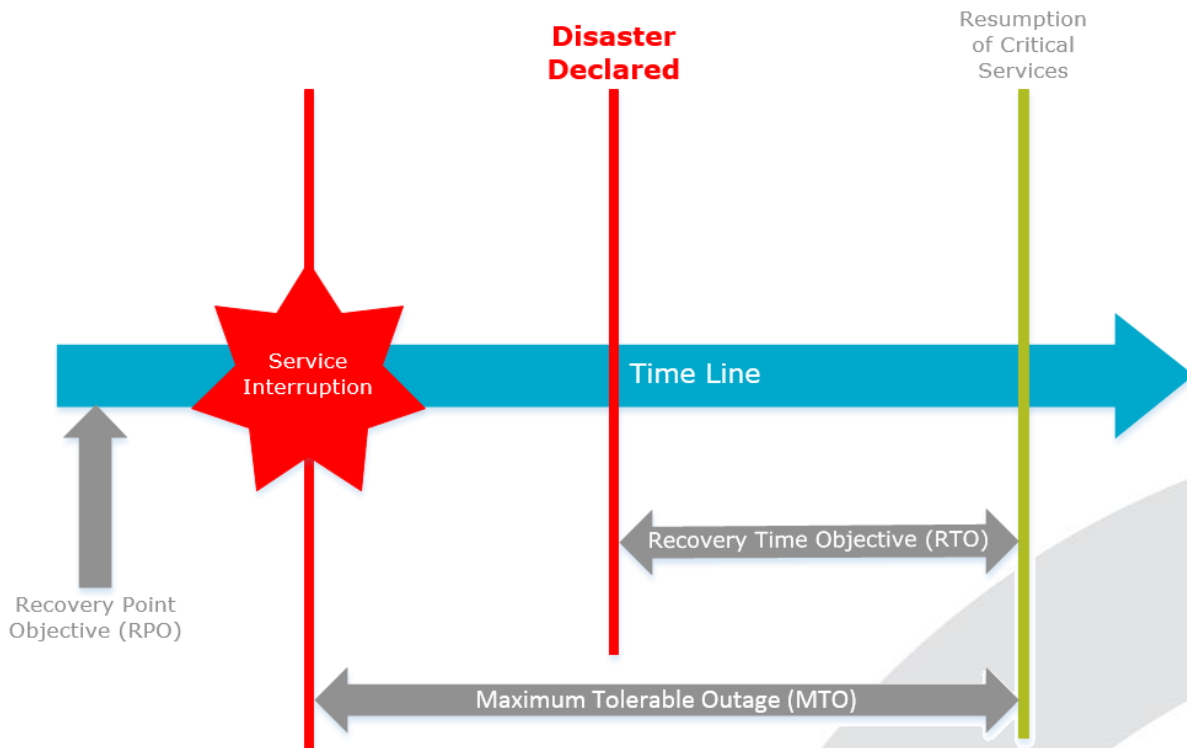
- Provide the information and procedures necessary to;
 - respond to an occurrence,
 - notify personnel,
 - assemble recovery teams,
 - recover data, and,
 - resume processing at the current or alternate site as soon as possible after a disaster has been declared.
- Create a disaster recovery structure strong enough to provide guidance to all interrelated groups, yet flexible enough to allow The Shire of Ngaanyatjaraku staff and teams to respond to whatever type of disaster may occur,
- Identify those activities necessary to resume full services at the reconstructed disaster site or new permanent facility,
- Establish a return to a “business as usual” environment.

NOTE: Availability of backup data is critical to the success of disaster recovery. Backup and restore processes that include scheduling data management, off-site storage, and data restorations are day-to-day processes covered in operating procedures manuals. Good practices are assumed, as are the availability of backup media that can be readily restored.

2.4 Recovery Time Requirements

The following requirements are a result of the Business Impact Analysis (BIA) process, which forms part of the The Shire of Ngaanyatjarraku business continuity program.

- **Recovery Point Objective (RPO).** The recovery point objective is the worst data loss that The Shire of Ngaanyatjarraku is willing to accept. In other words, this is the point from which recovery of lost data must take place.
- **Recovery Time Objective (RTO).** The Recovery Time Objective is the time taken to recover the in-scope services for The Shire of Ngaanyatjarraku from disaster declaration to the point where the recovered infrastructure is handed over to The Shire of Ngaanyatjarraku business as usual.
- **Maximum Tolerable Outage (MTO).** The maximum tolerable outage is the amount of time The Shire of Ngaanyatjarraku critical business functions may be unavailable before The Shire of Ngaanyatjarraku business operations are severely impacted. The MTO encompasses all activities from point of impact to point of recovery completion (as described in Section 5.1).



2.5 Scope of Recovery

This plan is devised to address a significant outage of the core IT infrastructure at The Shire of Ngaanyatjaraku and will therefore only cover Information Technology and Telecommunication (IT&T) Services.

2.5.1 Exclusions

- This DRP does not address the recovery of non-IT related The Shire of Ngaanyatjaraku business operations during a disaster, such as manual fallback procedures, and/or resynchronization of business processes. Responsibility for this resides within the relevant groups within The Shire of Ngaanyatjaraku
- Any development or test environments.
- Any disaster affecting a greater area than the The Shire of Ngaanyatjaraku office location.
- All standard exclusions, such as Core Application maintenance & telecommunication maintenance.
- While ordering stock to aid in recovery is the responsibility of Focus Networks, there may be delays in shipping and delivery that are uncontrollable.

2.5.2 Recovery Validation

- Post-recovery, system health checks are performed by Focus Networks
- Validation checks are performed by business representatives.

2.5.3 General Exclusions

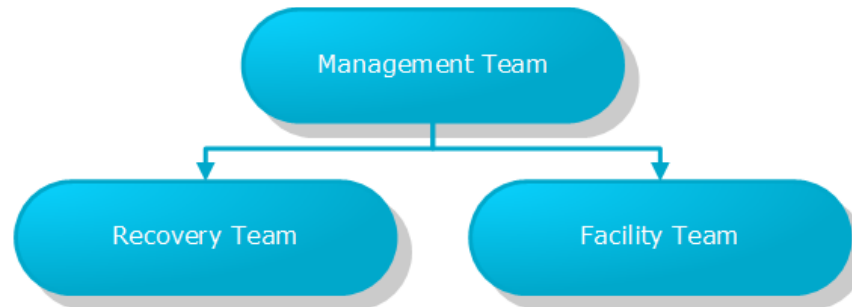
- A disaster of such magnitude that there are not enough personnel to resource the recovery in order to meet Focus Networks objectives.

3.0 Organisation

3.1 The Crisis Management Team

The Crisis Management Team ("CMT") includes 2 sub-teams responsible for the successful execution of the IT DR Plan. These teams are:

- **The Management Team** – responsible for managing the recovery, and communicating with vendors, key clients, stakeholders and senior management. This team is also responsible for the on-going recovery program and for keeping this plan current during a disaster
- **The Recovery Team** – Responsible for restoring computing services at alternate facilities. The Recovery Team will also restore computing service at the restored original facilities, if available.
- **The Facility Team** – responsible for damage assessment, damage mitigation, salvage, and the physical restoration of the office environment.

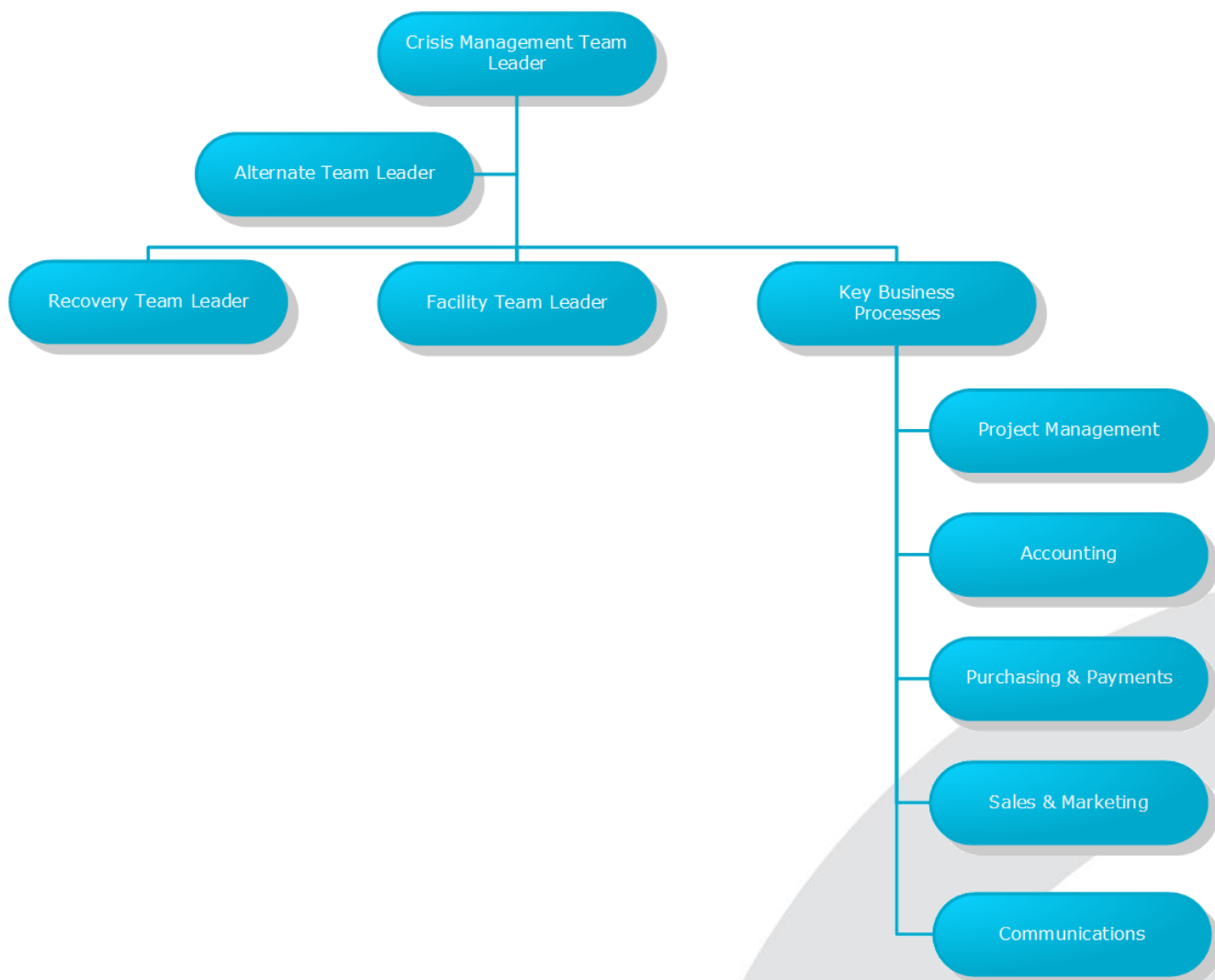


3.2 The Management Team

The Management Team is responsible for deciding on the course of action and coordinating all activities during the recovery period. The table below shows the kinds of skills and authority levels needed for Management Team membership.

Use this table to determine team membership assignments. One person could have more than one of the responsibilities. For example, the Management Team Leader often has authority for public relations and financial authority.

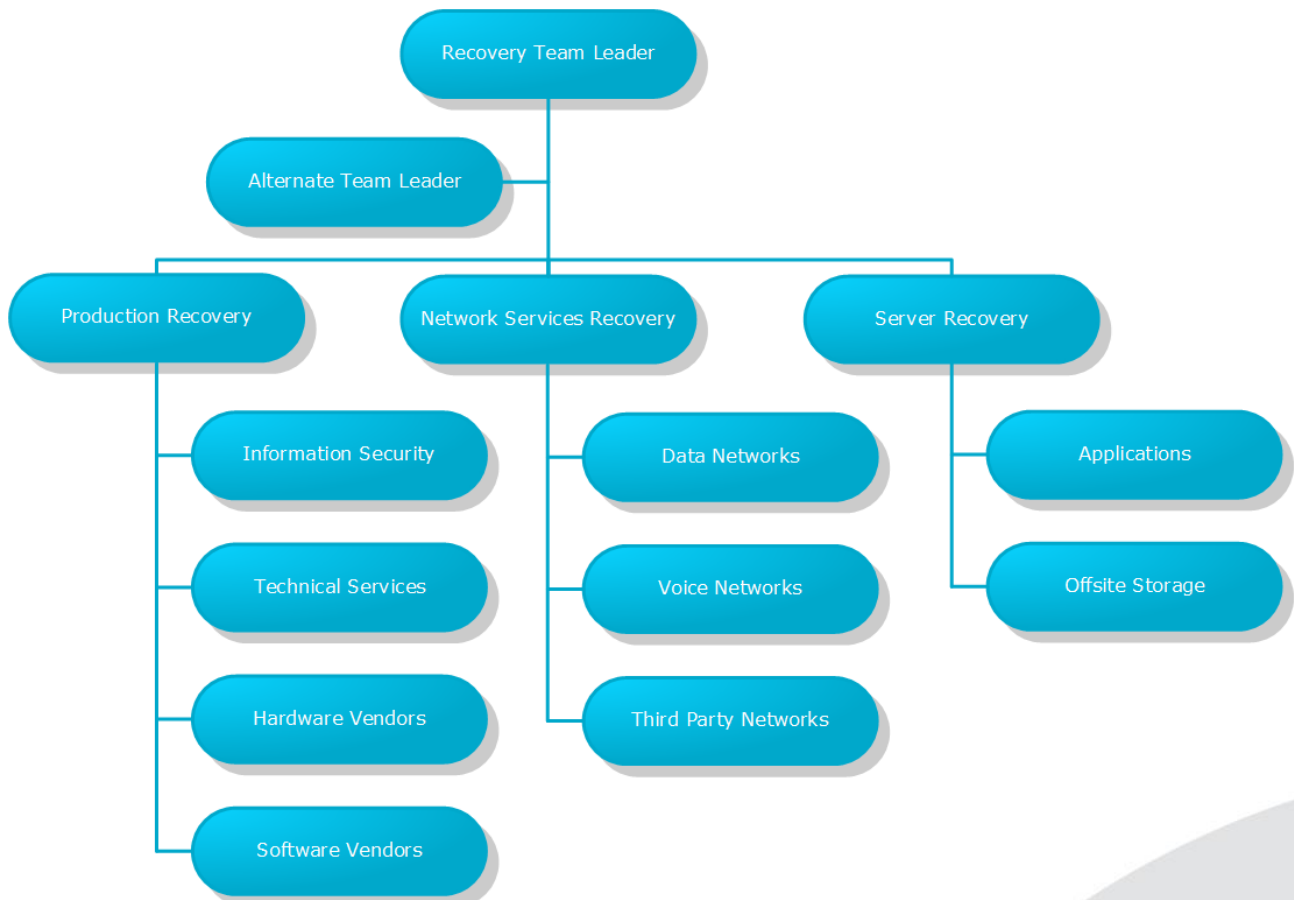
Refer to Section 4.1 for details on Management Team members, roles and responsibilities.



3.3 The Recovery Team

The purpose of the Recovery Team is to establish operations at an alternate-processing site or restore services at the disaster site.

Refer to Section 4.2 for details on Recovery Team members, roles and responsibilities.

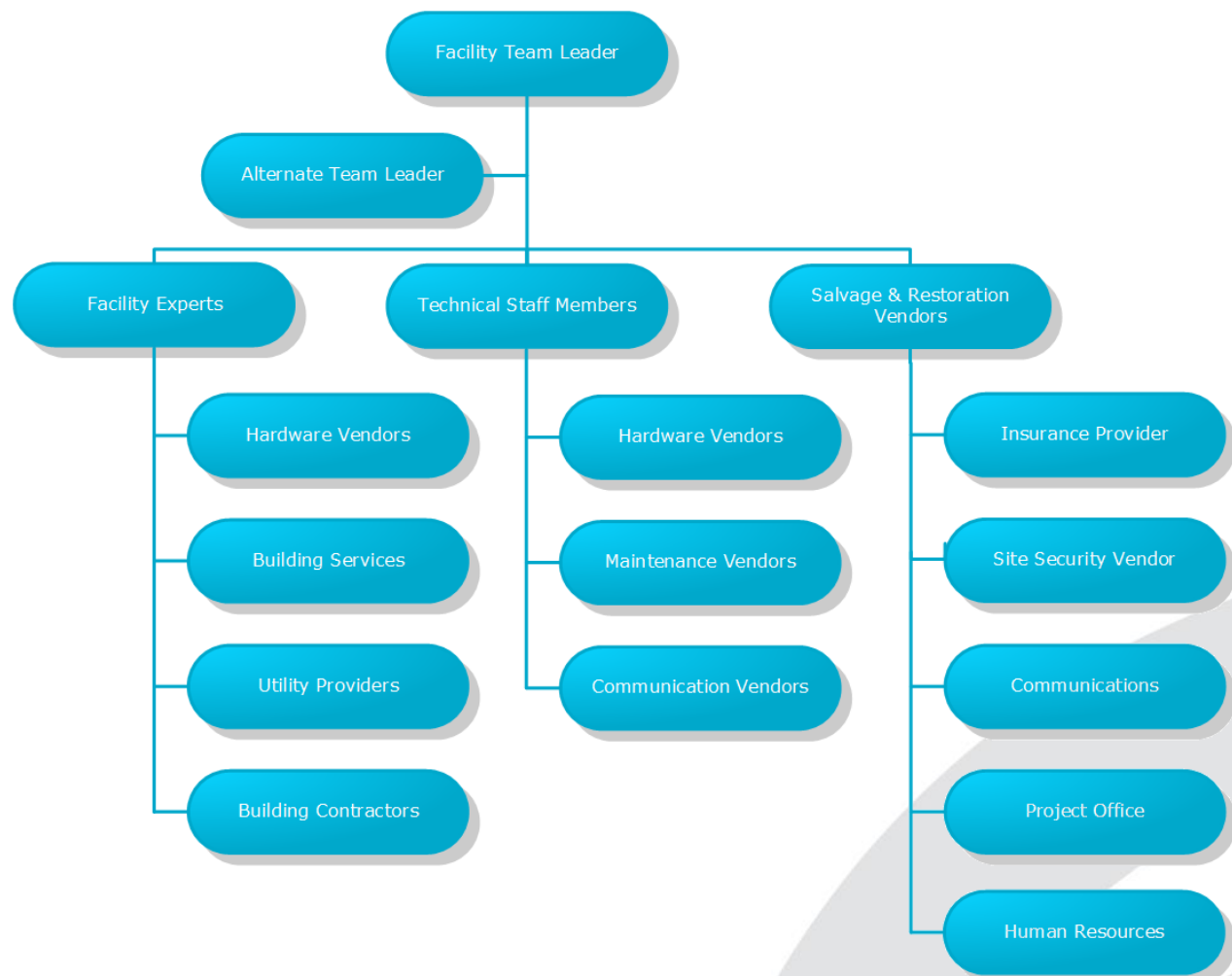


3.4 The Facility Team

The purpose of this team is to secure, salvage, and restore the office location to operational status as quickly as possible. The team may also be needed to prepare an alternate facility for occupation. The skills required of team members include knowledge of computing and network hardware. The Facility Team leader is also a member of the management team. The table below shows the kind of skills and authority levels needed for Facility Team membership.

The Facilities Team is tasked with conducting an in-depth damage assessment with recommendations to management on required repair or restoration activities. Concurrent with performing their evaluation procedures, members are responsible for initiating and monitoring recovery tasks assigned to their functional areas. Each team has its own chapter of detailed instructions later in this plan.

Refer to Section 4.3 for details on Facility Team members, roles and responsibilities.



4.0 Roles and Responsibilities

4.1 Management Team

Management Team membership, roles and responsibilities are summarised in the table below.

Team Member	Role/Responsibility
Crisis Management Team Leader Director of Governance and Strategic	Senior manager to oversee recovery. Authority to declare a disaster.
Alternate Mgmt. Team Leader Director of Corporate Services	Full authority to act if Team Leader is not available.
Facility Team Leader Administration Coordinator	Oversee facility, security, damage assessment, salvage and reconstruction.
Recovery Team Leader IT Administrator	Knowledge of computer operations, systems & networks.
Communications Chief Executive Officer	Authority to speak for the organisation.
Finance Director of Governance and Strategic	Authority to spend the amounts required to fund recovery in the first days.

4.2 Recovery Team

Recovery Team membership, roles and responsibilities are summarised in the table below.

Team Member	Role/Responsibility
Recovery Team Leader IT Administrator (Focus Networks)	Internal IT resource knowledgeable of computer operations, systems, etc. <ul style="list-style-type: none"> Request/Retrieve the off-site backup data – as described in APPENDIX D. Establish the command centre, as described in section 5.6 Advise the alternate site of a disaster alert prior to a disaster being declared. Advise the alternate site of a declared disaster. Advise the alternate site of a stand down from alert if recovery is not to be affected at the site or the disaster is not declared. Liaise with alternate site management and personnel.
Alternate Team Leader IT Officer (Focus Networks)	Full authority to act if Team Leader is not available.
Production Operations Recovery Focus Networks	Restore IT operations, print services and IT security services.
Network Services Recovery - Data Focus Networks Network Services Recovery – Voice Internet Provider/Telephone Provider	Aid in the recovery of voice and data network infrastructure. Includes recovery of hardware components, connectivity to the recovery site and recovery of critical network software. Liaison with relevant telephony vendor(s).
Server Recovery Focus Networks	Aid in the recovery of critical servers and applications. Liaison with relevant application vendor(s).

4.3 Facility Team

Facility Team membership, roles and responsibilities are summarised in the table below.

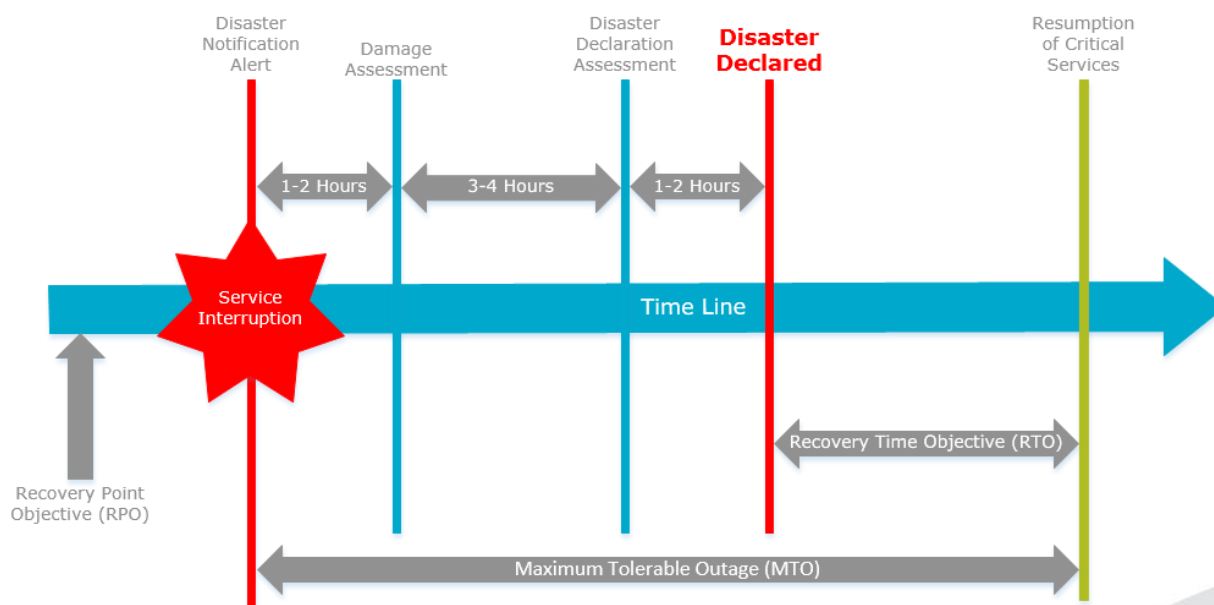
Team Member	Role/Responsibility
Facility Team Leader	Authority and knowledge to deal with damage assessment, damage mitigation, salvage, restoration, alternate site installation, etc.
Alt. Facility Team Leader IT Administrator	Authority and knowledge to act in place of the team leader.
Hardware Experts Focus Networks	As required, depending upon the situation. Liaison with 3 rd party hardware vendors.
Technical Staff Members Focus Networks	Will be sourced from the Focus Networks personnel pool to assist with salvage, restoration, etc.

5.0 Processes

5.1 Recovery Strategy

Following the occurrence of a suspected disaster, there are **three** processes that will take place prior to the activation of the actual recovery process:

- **Disaster Alert Notification** – to notify CMT members, recovery teams, and the offsite media storage provider (Focus Networks) that a disaster may have occurred or is evolving.
- **Damage Assessment** – to ascertain whether a disaster has occurred, assess the extent of the damage and to assemble the recovery teams if necessary.
- **Disaster Declaration Assessment** – to ascertain if the predetermined MTO is likely to be compromised and that invoking the IT DR Plan and its associated procedures is necessary.



If there is a major incident where the damage is not widespread and no serious effects, it may not be obvious to the person(s) who detected such an incident whether it constitutes a disaster, especially when the damage is confined and local. Where possible, it is expected that the usual problem management procedures be followed in dealing with such incidents.

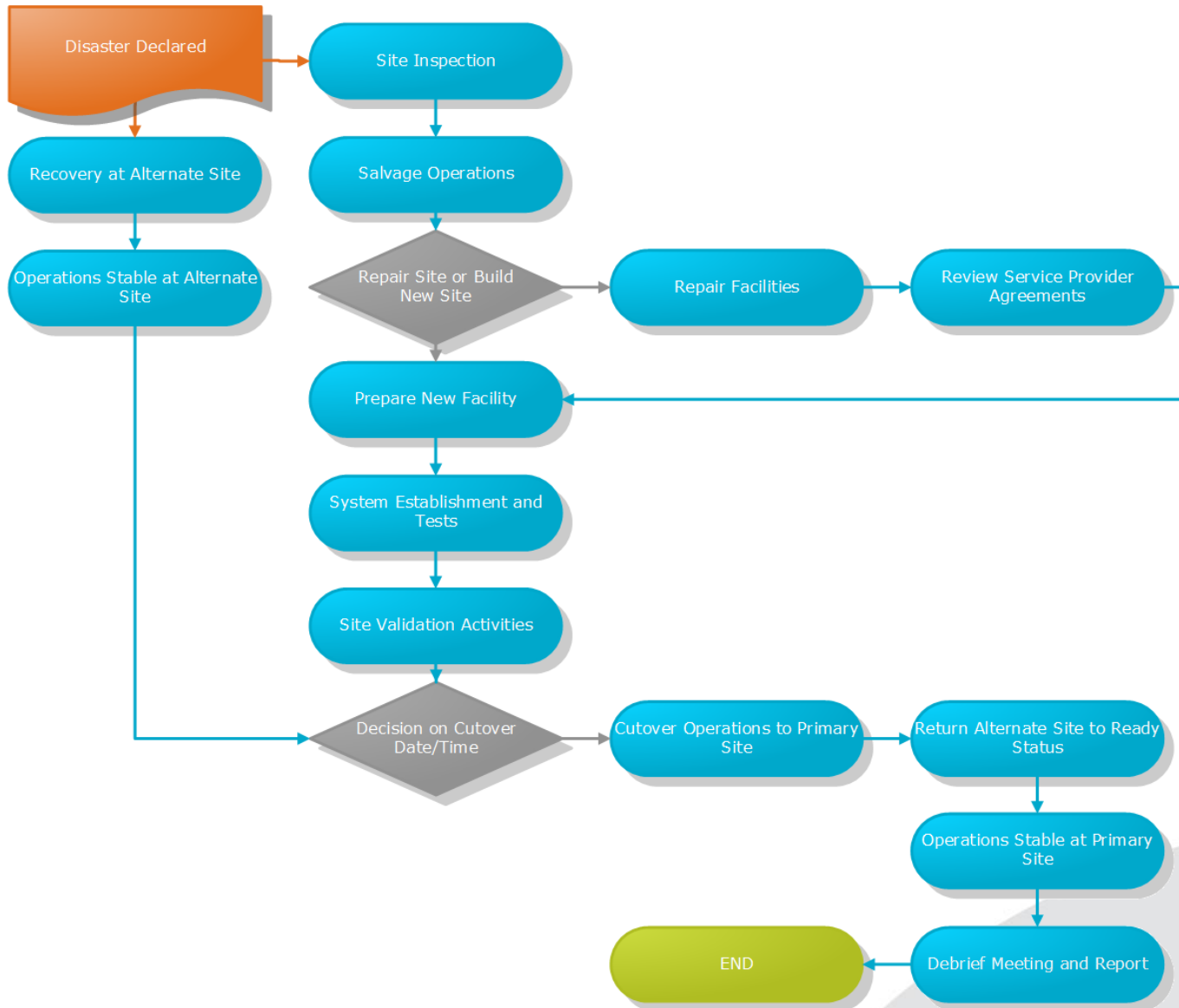
5.2 Business Resumption

This section provides the approach to restoring the The Shire of Ngaanyatjarraku disaster site or establishing a new office location. The extent and timing of the recovery activities will vary depending upon the nature of the disaster. These activities will need to be coordinated and planned as a parallel stream to establish stable production operations at the recovery site. A technical summary of the activities is contained in Appendix D (where available).

The decision concerning the approach to re-establishing the The Shire of Ngaanyatjarraku site and secondary sites should be made as soon as practically possible after a disaster occurs. This allows all the affected areas to adapt their procedures and staffing according to the expected length of the outage. The alternatives to be considered are:

1. The The Shire of Ngaanyatjarraku office location is to be restored to original operating status. This will require the establishment of new technical infrastructure according to current requirements and specifications.
2. The The Shire of Ngaanyatjarraku office location is to be upgraded to preferred level of operating status. This will require:
 - establishment of new technical infrastructure according to revised requirements
 - establishment of new facilities and services according to revised requirements.
3. A new office location is chosen. This will require:
 - assessment and risk analysis of the new site for suitability
 - new arrangements with Focus Networks to be established (i.e. for off-site data collections and deliveries)
 - establishment of new technical infrastructure according to current requirements and specifications.
4. The secondary site is to become the new production site. This will require:
 - assessment and risk analysis of the new site for suitability
 - a new secondary site to be established
 - communications, floor space and other facilities to be upgraded to be commensurate with the original production site
 - establishment of new technical infrastructure according to current requirements and specifications.
 - new arrangements with Focus Networks to be established (e.g. for off-site data collections and deliveries)

5.3 Business Resumption Process



5.4 Debriefing

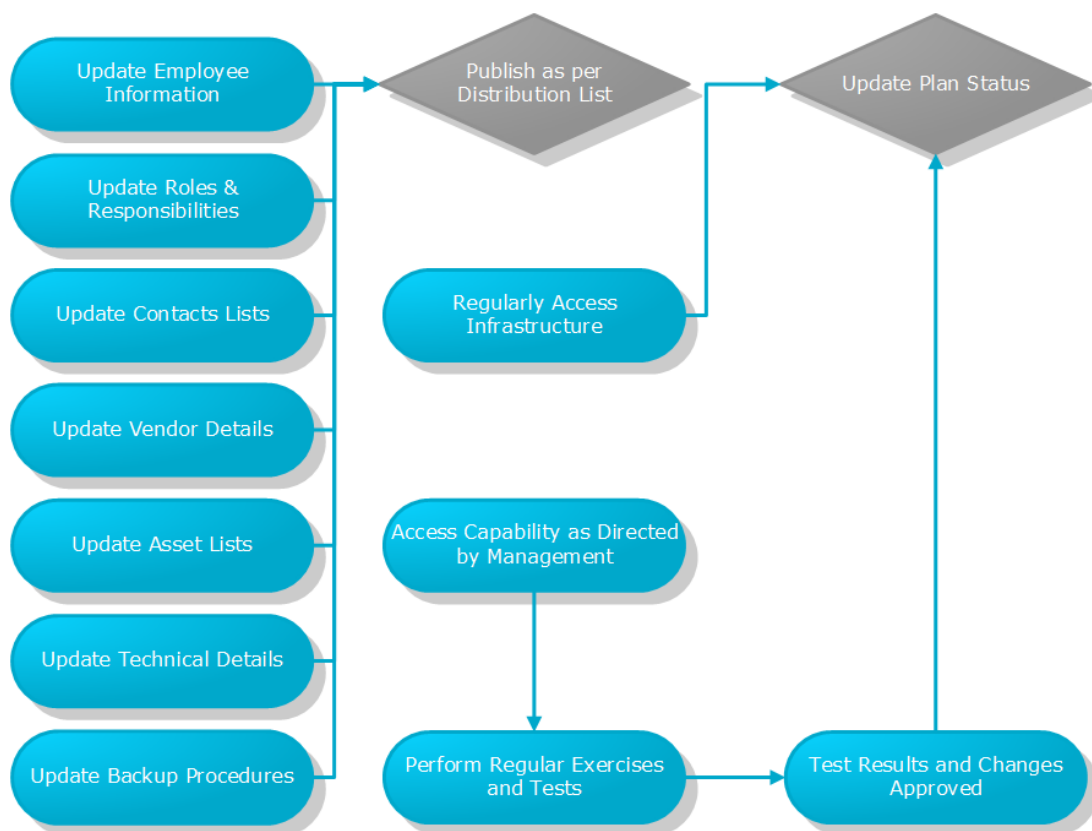
Prior to closure of a disastrous situation and standing down of the Crisis Management Teams, a debriefing of all participants should be conducted. A debriefing will ensure that:

- all required recovery and normal business resumption tasks have been performed
- ongoing system, business and client impacts are being addressed
- The Shire of Ngaanyatjaraku can ascertain and understand the cause, nature, and impact of the disaster on the organisation
- financial impacts are clearly identified and documented for insurance claims
- lessons learned are clearly identified and incorporated into a knowledge database for future IT DR Plan development and disaster management
- deficiencies in the current process are clearly identified in way that projects can be established to rectify them or mitigate them.

A report should be produced covering the above-mentioned aspects. This should be contained in a central knowledge register with lessons learned incorporated into new IT DR Plans.

5.5 Maintain IT DR Plan Documentation

The IT DR Plan will be updated annually, or when significant business change occurs, and should be maintained as illustrated in the chart below.

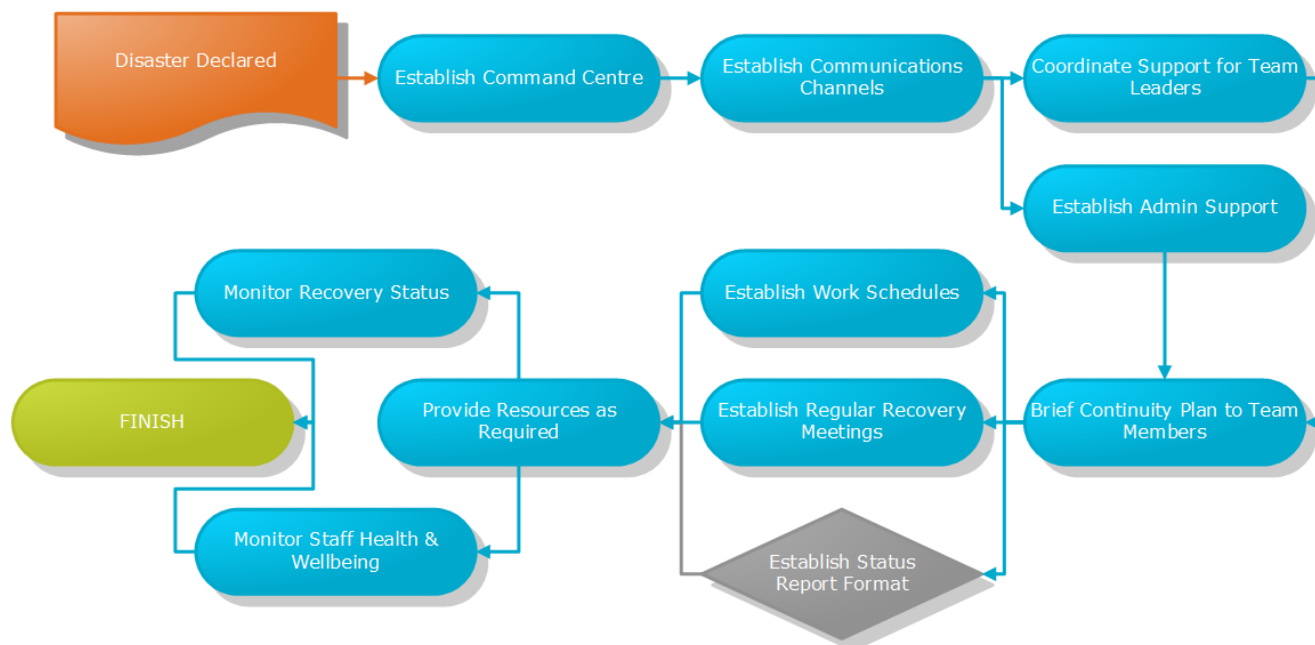


In order to ensure currency of the IT DR Plan, all changes and revisions must be processed through Focus Networks, which will review the plan as part of the IT DR Plan testing process. On an on-going basis, Focus Networks may:

- periodically assess the conditions, status, capabilities and availability of backup computers, PCs, LAN, telecommunication configurations, and the facility
- perform special studies requested by the Management Team to improve the efficiency of equipment and recovery procedures
- prepare periodic status reports for the Management Team
- coordinate business recovery tests and prepare test results and recommendations for plan improvement
- maintain and distribute this plan.

5.6 Command Centre Operations

The command centre will be the physical office that will be used in the event of a major disaster, the place where staff and vendors will first gather to establish the direction for dealing with the disaster at hand. Setting up and operating the command centre is the responsibility of the Management Team Leader, with activities as shown in the figure below.

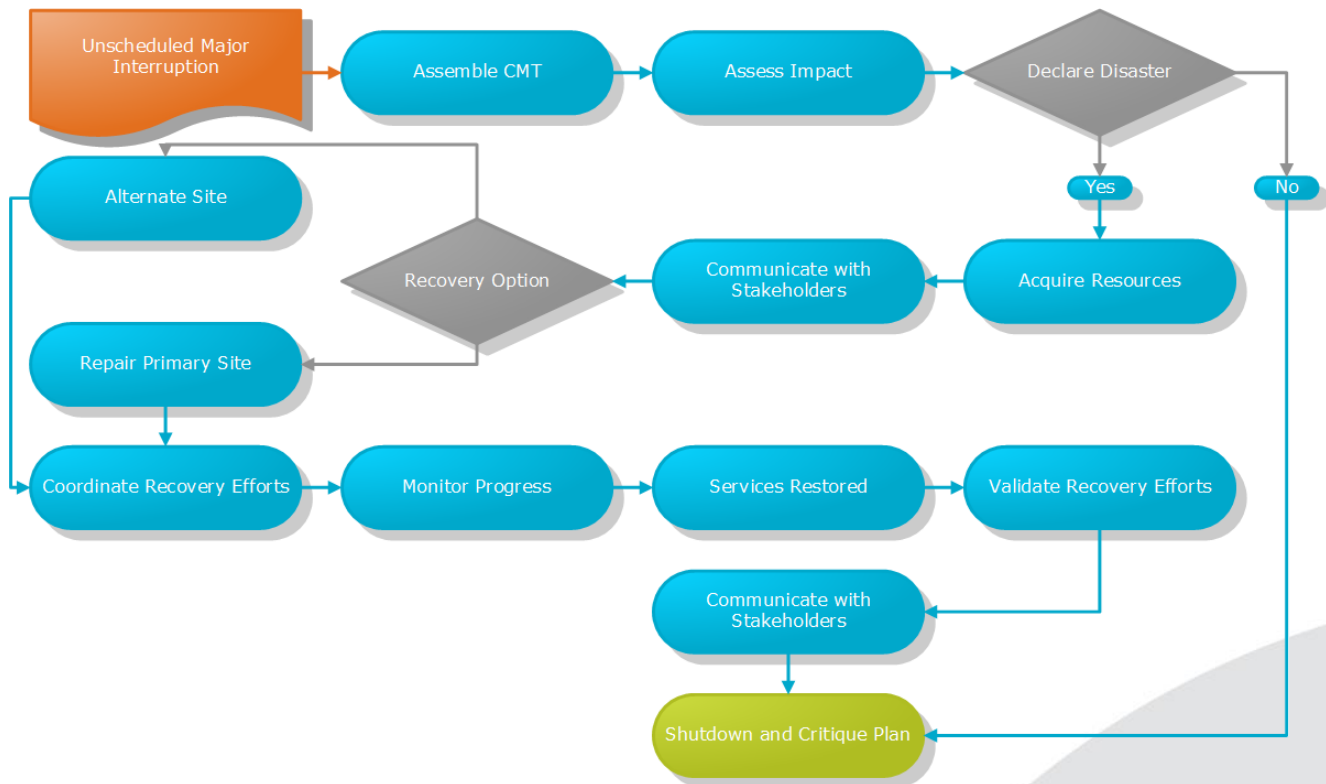


6.0 Procedures

6.1 Management Team

6.1.1 Management Team Actions Overview

The Management Team is responsible for the entire disaster recovery process; from when the team is established until all services have been returned to the office location or new location. The Management Team Leader or delegate, with input from relevant key personnel, has the exclusive authority to declare a Disaster and consequently activate this plan.



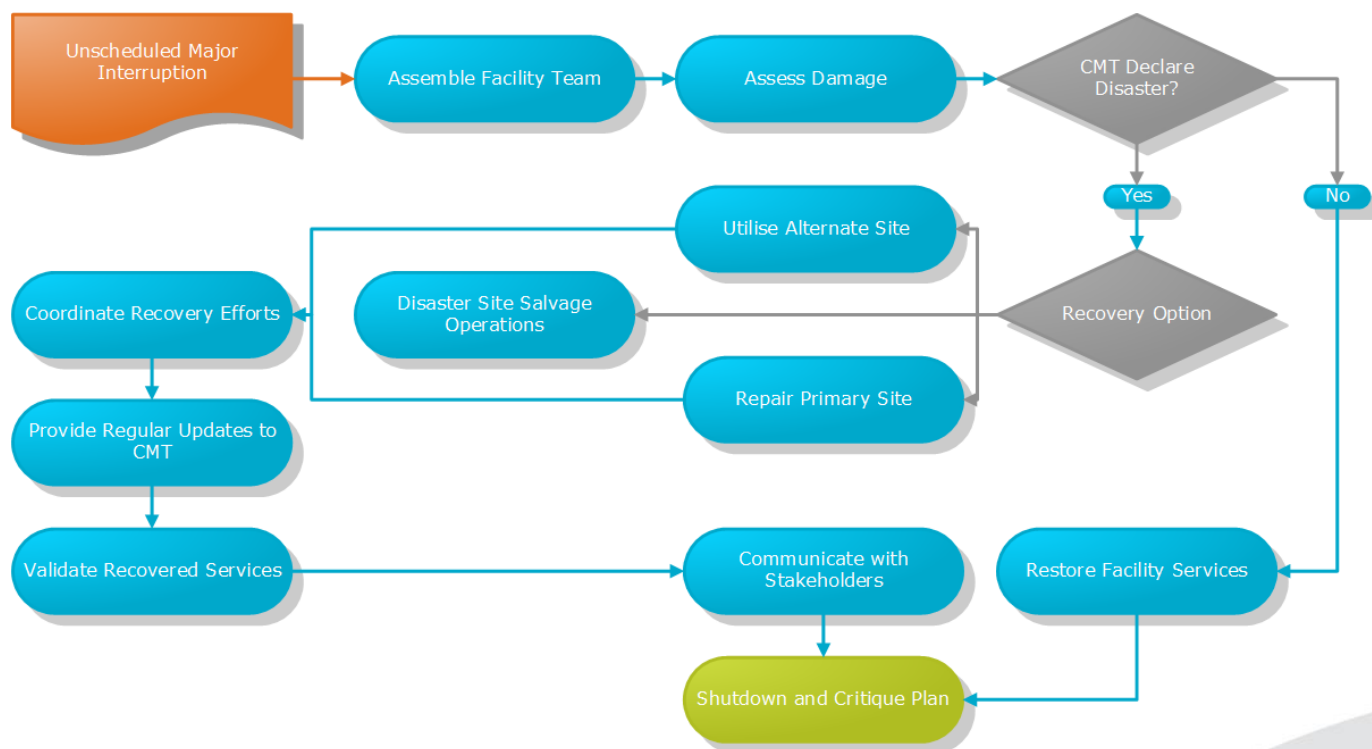
6.1.2 Management Team Actions

No.	Action Step	Responsibility	Time	Resources	Process Time	Comments
1	Assemble Key Staff	Administration Coordinator				
2	Assess Damage	Operations Coordinator				
3	Decide Whether to Declare a Disaster or Not. If YES , go to Step 7 .	Director of Governance and Strategic				
4	Restore Functions Shire of Ngaanyatjaraku office location	Each Team Leader				
5	Debriefing of the Recovery	Director of Governance and Strategic				
6	Finish	If Disaster alert is stood down				
7	DECLARE A DISASTER - Initiate recovery to alternate site	Authorised individuals named in the Management Team				
8	Communicate with Groups and coordinate recovery	Director of Governance and Strategic				
9	Acquire equipment and supplies	All Teams				
10	Build New or Rebuild Office Location	All Teams				
11	Monitor Progress	Director of Governance and Strategic				
12	Move to New or Rebuilt Office Location	All Teams				
13	Discontinue Use of Alternate Site	Director of Governance and Strategic				
14	Debrief of Plan	Director of Governance and Strategic				

6.2 Facility Team

6.2.1 Facility Team Actions Overview

Prior to activating the Facility Team, the designated Facility Team leader should remain close to the scene of the disaster to help direct Emergency Services personnel. If evacuation is necessary, all personnel should immediately proceed to the pre-determined location, well clear of the building. A head count must be taken there to ensure that no one has been left behind, including visitors, contractors, etc. If there have been any injuries, immediately identify those people who can offer medical help, such as first aid.



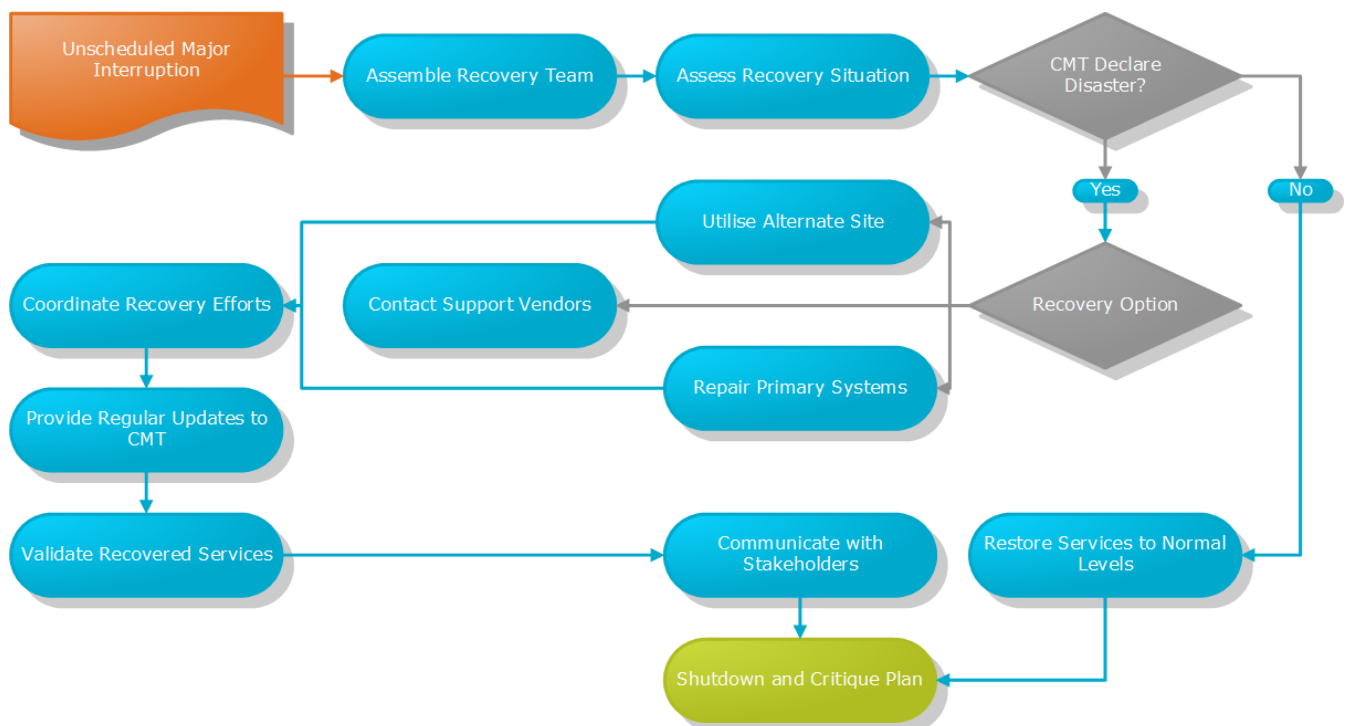
6.2.2 Facility Team Actions

No.	Action Step	Responsibility	Time	Resources	Process Time	Comments
1	Activate Facility Team	Director of Governance and Strategic				
2	Disaster Site Evaluation & Salvage	Director of Governance and Strategic				
3	Relocate or Rebuild Office Location. If decision is to relocate, go to step 10.	Director of Governance and Strategic				
4	Plan Office Location Rebuild	Director of Governance and Strategic				
5	Hold Recovery Status Meeting	Director of Governance and Strategic				
6	Coordinate Move back to The Shire of Ngaanyatjaraku Office Location	Director of Governance and Strategic				
7	Discontinue use of alternate location if one was required	Director of Governance and Strategic				
8	Delivery plan critique	Director of Governance and Strategic				
9	Finish	Director of Governance and Strategic				
10	Assist Alternate Site selection	Director of Governance and Strategic				
11	Coordinate Move to alternate location	Director of Governance and Strategic				
12	Discontinue use of office location	Director of Governance and Strategic				
13	Delivery critique of BC Plan	Director of Governance and Strategic				
14	Finish					

6.3 Recovery Team

6.3.1 Recovery Team Activities Overview

This section contains the procedures to be followed by the Recovery Team. The Recovery Team includes the hardware, software, and communications experts who travel to the alternate site. The Recovery Team restores the software and data onto an alternate-computing platform and restores communications from that platform back to the users.



6.3.2 Recovery Team Actions

No.	Action Step	Responsibility	Time	Resources	Process Time	Comments
1	Activate Recovery Team	Director of Governance and Strategic				
2	Is Main office and existing infrastructure available for recovery? If NO, go to Step 7.	Director of Governance and Strategic				
3	Restore Data Communications	Recovery Team Leader				
4	Recover or rebuild affected servers from latest available Focus Networks data backups	Recovery Team Leader				
5	Client testing of recovered systems	Director of Governance and Strategic				
6	Critique Plan - Finish	Recovery Team Leader				
7	Build Alternate Site - Transfer Operations	Recovery Team Leader				
9	Restore or implement Data Communications	Recovery Team Leader				
8	Recover or rebuild affected servers from latest available Focus Networks data on loan hardware	Recovery Team Leader				
9	Make loan hardware available to client	Recovery Team Leader				
10	Client testing of recovered systems	Director of Governance and Strategic				
11	Coordinate Move to New/Rebuilt office location	Director of Governance and Strategic				
12	Post disaster - migrate live data / servers to new or salvaged infrastructure	Recovery Team Leader				
13	Deliver critique of DR Plan	Recovery Team Leader				
14	Finish					

Appendix A – Contact List

Management

Position	Name	Phone	Mobile
Chief Executive Officer	Kevin Hannagan	08 8956 7966	0428 848 916
Director Governance & Strategic	Cary Green	08 8956 7966	0400 208 710
Finance & Administration Coordinator	Geoff Handy	08 8956 7966	0488 030 707
Director of Corporate Services	Kerry Fisher	08 8956 7966	0450 040 049

Recovery Team

Company / Position	Name	Phone	Mobile
IT Provider	Focus Networks	1300 664 136	
Internet Provider	Vocus (Satellite)	1800 262 663	
Hosting Provider	City of Lights	+618 9754 7789	
Telephone Provider	Telstra	13 22 00	

Facility Team

Position	Name	Phone	Mobile
IT Provider	Focus Networks	08 xxxx xxxx	1300 664 136
Administration Coordinator	Sam Richardson	08 8956 7966	0431 519 361
Finance Coordinator	Geoff Handy	08 8956 7966	0488 030 707

Disaster Recovery / Salvage Vendors

Company / Position	Name	Phone
Focus Networks	Name	1300 664 136

Appendix B – System Recovery Requirements

Recovery Priority for I.T. Systems

Recovery Priority	Key Function Critical Aspects	RPO	RTO	MTO	Team Dependencies
1	Adobe Creative Cloud	3 Days	3 Days	10 Days	Administration
2	Altus	3 Days	3 Days	5 Days	Payroll
3	Corporate Data Head Office	3 Days	3 Days	5 Days	All
4	Corporate Data O365	1 Day	1 Day	3 Days	All
5	Corporate Website	3 Days	3 Days	10 Days	General Management
6	DUO	1 Day	1 Day	3 Days	All
7	Exchange Online	3 Days	3 Days	5 Days	All
8	Firewall Head Office	1 Day	1 Day	3 Days	All Teams working in Warburton Office
9	Internet Connectivity Head Office	3 Days	3 Days	5 Days	All Teams working in Warburton Office
10	Microsoft Office 365	1 Day	1 Day	5 Days	All
11	Multi-Function Devices	3 Days	3 Days	5 Days	All Teams working in Warburton Office
12	Network Switching Head Office	1 Day	1 Day	3 Days	All Teams working in Warburton Office
13	Remote Desktop Services	3 Days	3 Days	5 Days	All
14	SynergySoft	3 Days	3 Days	5 Days	All

- **Recovery Point Objective (RPO).** The recovery point objective is the worst data loss that Shire of Ngaanyatjarraku is willing to accept. In other words, this is the point from which recovery of lost data must take place.
- **Recovery Time Objective (RTO).** The Recovery Time Objective is the time taken to recover the in-scope services for Shire of Ngaanyatjarraku from disaster declaration to the point where the recovered infrastructure is handed over to Shire of Ngaanyatjarraku business as usual.
- **Maximum Tolerable Outage (MTO).** The maximum tolerable outage is the amount of time Shire of Ngaanyatjarraku critical business functions may be unavailable before Shire of Ngaanyatjarraku business operations are severely impacted. The MTO encompasses all activities from point of impact to point of recovery completion (as described in Section 5.1).

Appendix C – Command Centre Details

Command Centre Locations if the Shire of Ngaanyatjaraku office is not available.

Executive House

- Address:
- Phone:
- Seating Capacity: No

Command Centre Checklist

This Command Centre Checklist has been provided by Focus Networks and can be used by the Crisis Management Teams in the event of a disaster. CMT's may want to modify or create their own checklists as they see fit.

Activity	Checked ok?
Establish a command centre work location for each activated recovery team, staff department and vendor.	
<ul style="list-style-type: none"> - Ensure that adequate furniture, fixtures, PCs, telephones, supplies and space are provided for each group. Use the Resource Checklist at the end of this section. - Prepare signs that identify the room or work area assigned to each group. 	
Establish incoming and outgoing communication channels.	
<ul style="list-style-type: none"> - Assign specific telephones to be used for incoming and outgoing calls. - Continue department notification activities until all personnel have been reached. - Assign personnel to monitor the telephones designated for incoming calls. - Inform the company telephone operators to direct all return calls to the assigned extension(s) at the command centre. 	
Coordinate staff department support with team leaders during the recovery.	
<ul style="list-style-type: none"> - Meet with security representative to review the need to assign security personnel to secure the damaged business site and the recovery operations site(s). Depending on the nature of the disaster, tighter than normal security for personnel and property may be required. 	

- Request that admittance be restricted to only authorised personnel who have proper identification (company ID badge, etc.).	
- Work with the Facility Team to identify equipment requirements and arrange for the Purchasing Department representative to provide the following:	
- Heavy duty copy machines.	
- Miscellaneous paper, pencils pens, etc.	
Ensure all third party vendors are contacted and notified of the situation.	
Brief the recovery plan to core recovery team members.	
Establish a command centre work location for each activated recovery team, staff department and vendor.	

Activity	Checked ok?
Establish status reporting processes and formats.	
Create the following status charts, using flip charts or other media, for display at the command centre:	
- Information Status Display.	
- General Message Board.	
- Personnel Accommodation Board.	
Establish regular recovery meetings	
- Keep all recovery team personnel informed of the recovery progress.	
- Advise recovery team leaders.	
- Arrange and organise a meeting place.	
- Record minutes of the meetings.	
- Have minutes typed, obtain approval, and distribute them.	
Establish work schedules for 24-hour coverage.	
- Align the off shift work effort with the Recovery Time Objective.	
Continue to evaluate the level of people and resources and add or subtract as needed.	
- HR and Purchasing are the focal points for people and resources.	
Monitor personnel for signs of fatigue.	
- Sufficient rest is required to maintain an efficient recovery operation. For health and efficiency reasons, no recovery personnel should work excessive hours without an eight-hour rest period.	

Resource Checklist

The command centre should be well equipped with extensive communications facilities.

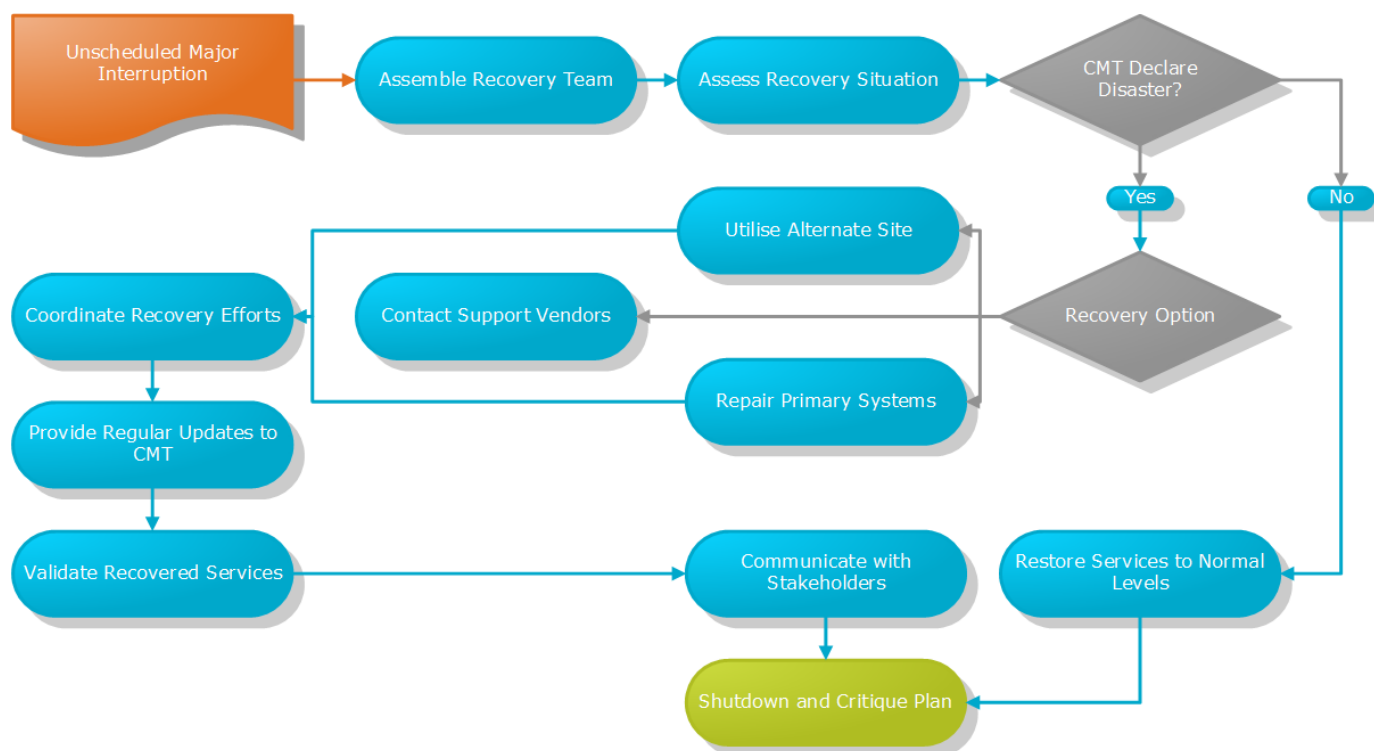
Communications are highly critical when rescue and medical care are primary, and time is of the essence. This is particularly true when families of key personnel are threatened. Without effective mass communications, your key personnel may leave to be with their families.

In addition to the communications facilities mentioned above, the command centre should be outfitted with, or have ready access to food, clothing, sleeping accommodations, and other supplies needed to manage the recovery effort.

An example checklist is provided below.

Resource	Checked ok?
2-way Radio	
Camera	
Chart to record recovery milestones	
Credit cards and cash	
FM Radio	
Food / Water	
Internet Connection / VPN	
Medical supplies	
Mobile Phones (2 are recommended) and Satellite Phone	
PCs and multi function printer	
Portable light	
Television	
Whiteboard	

Appendix D – IT Recovery Procedures



Focus Networks Procedure

No.	Action Step	Responsibility	Time	Resources	Process Time	Comments
1	Activate Focus Networks	Director of Governance and Strategic				
2	Assess Recovery Situation	Recovery Team				
3	Disaster Declared? If yes, go to Step 6.	Director of Governance and Strategic				
4	Restore Services to Normal Levels	Recovery Team				
5	Finish and Critique Plan	CMT & Recovery team				
6	Choose Site Recovery Option. If Shire of Ngaanyatjaraku office Location, go to Step 9	Director of Governance and Strategic & Recovery Team				
7	Notify Support Vendors	Recovery Team				
8	Prepare Alternate Site (initially serviced offices – refer to appendix E)	Facility Team Leader & Recovery Team				
9	Shire of Ngaanyatjaraku Office Location Salvage Operation	Facility Team Leader & Recovery Team				
10	Order all Necessary Hardware	Recovery Team				
11	Re-establish Communications Onsite	Recovery Team				
12	Obtain/Order Required Software and Licensing	Recovery Team				
13	Update CMT on status	Recovery Team				
14	Prepare Servers for Deployment to Site	Recovery Team				
15	Deploy & Install Hardware	Recovery Team				
16	Test all Critical Business Functions	Recovery Team				
17	Signoff by CMT	CMT				
18	Finish and Critique Plan	Recovery Team				

Appendix E – Event Log

[illegible]

Appendix F – Contacting Focus Networks

General Assistance

In accordance with industry standards and best practice, Focus Networks recommend that this plan be tested on a regular basis. Regular and well-defined tests and exercises are widely considered the most effective means of ensuring the validity of an IT DR Plan. For assistance in exercising this plan, please contact Focus Networks:

Phone: 1300 664 136

Emergency Assistance

Focus Networks also offer expert IT support and services during an actual crisis. Our experienced and certified consultants provide expert advice when your business needs it the most.

Our services are available 24 hours a day, 365 days a year. For assistance please call:

Phone: 1300 664 136 (After-Hours Pager Service)

Appendix G - Additional Information / Comments

Please provide any additional information that you believe may assist the business continuity document.

Name	Comment	Date

Glossary

ACTIVATION: The implementation of disaster recovery capabilities, procedures, activities, and plans in response to an emergency or disaster declaration; the execution of the recovery plan.

ALERT: Notification that a potential disaster situation exists or has occurred; direction for the recipient to stand by for possible activation of the Disaster Recovery Plan.

ALTERNATE SITE: An alternate operating location to be used by business functions when the main office location is inaccessible. 1) Another location, computer centre or work area designated for recovery. 2) Location, other than the main office location, that can be used to conduct business functions. 3) A location, other than the normal facility, used to process data and/or conduct critical business functions in the event of a disaster. **SIMILAR TERMS:** Alternate Processing Facility, Alternate Office Facility, Alternate Communication Facility, Backup Location, Recovery Site, and Recovery Centre.

ALTERNATE WORK AREA: Office recovery environment complete with office infrastructure (desk, telephone, workstation, and associated hardware, communications, etc); also referred to as Work Space or Alternative Work Site.

APPLICATION RECOVERY: The component of Disaster Recovery that deals specifically with the restoration of business system software and data, after the processing platform has been restored or replaced.

BACKUP GENERATOR: An independent source of power, usually fuelled by diesel (sometimes natural Gas).

DISASTER RECOVERY PLANNING: Process of developing advance arrangements and procedures that enable an organization to respond to an event in such a manner that critical business functions continue with planned levels of interruption. **SIMILAR TERMS:** Contingency Planning, Recovery Planning.

BUSINESS CONTINUITY PROGRAM: An ongoing program supported and funded by executive staff to ensure business continuity requirements are assessed, resources are allocated, and recovery and continuity strategies and procedures are completed and tested.

COLD SITE: An alternate facility that already has the environmental infrastructure in place required to recover critical business functions or information systems, but does not have any pre-installed computer hardware, communications network, etc. These must be provisioned at time of disaster.

COMMAND CENTRE: Facility separate from the main facility that is equipped with adequate communications equipment from which initial recovery efforts are manned and media-business communications are maintained. The management team uses this facility temporarily to begin coordinating the recovery process until the alternate sites are functional.

CONTACT LIST: A list of team members and/or key players to be contacted (Mobile Number, Home Number, Pager, etc).

CRISIS MANAGEMENT TEAM: A crisis management team will consist of key executives as well as key role players (i.e. media representatives, legal counsel, facilities manager, disaster recovery coordinator, etc.) and the appropriate owners of critical organization functions.

DAMAGE ASSESSMENT: The process of assessing damage, following a disaster, to computer hardware, vital records, office facilities, etc and determining what can be salvaged or restored and what must be replaced.

DECLARATION: A formal announcement by pre-authorized personnel that a disaster or severe outage is predicted or has occurred, and that triggers pre-arranged mitigating actions (e.g. move to an alternate site).

DISASTER: A sudden, unplanned catastrophic event causing great damage or loss. Any event that causes an organization to be unable to provide critical business functions for a pre-determined period of time.

DISASTER RECOVERY: Activities and programs designed to return operations to an acceptable condition. 1) The ability to respond to an interruption in services by implementing a disaster recovery plan to restore critical business functions.

EMERGENCY: A sudden, unexpected event requiring immediate action due to potential threat to health and safety, the environment, or property.

HOT SITE: An alternate facility that already has the computer, communications and environmental infrastructure in place that is required to recover critical business functions or information systems.

IT DR PLAN: The document that defines the resources, actions, tasks and data required to manage the business recovery process in the event of a business disruption. The plan is designed to assist in restoring the business process within the stated disaster recovery goals.

MAXIMUM TOLERABLE OUTAGE (MTO): The maximum tolerable outage is the amount of time the critical business functions may be without the support of IT systems and applications before business operations are severely impacted. The MTO encompasses all activities from point of impact to point of recovery.

OFF-SITE STORAGE: Alternate facility, other than the primary production site, where duplicate vital records and documentation may be stored for use during disaster recovery.

RECOVERY POINT OBJECTIVE (RPO): The point in time to which systems and data must be recovered after an outage (e.g., end of the previous day's processing). RPOs are often used as the basis for the development of backup strategies.

RECOVERY TIME OBJECTIVE (RTO): The period of time within which systems, applications or functions must be recovered after a disaster declaration (e.g. one business day). RTOs are often used to determine whether or not to implement the recovery strategies/plan.

WARM SITE: An alternate processing site which is equipped with some hardware, and communication interfaces, electrical and environmental infrastructure which is only capable of providing backup after additional provisioning, additional software, or modifications.

ACTION SHEET

Works Engineer – Peter Kerp

Dates on Site 1st April – 12th April 2022

Next site visit: 6th May – 17th May 2022

Date	Subject	Action Taken
April 2022	2021/2022 Annual Road Construction Program	<p>Gravel sheeting on Irrunytju Road SLK112.00 to SLK116.00 completed on Friday 8th April 2022</p> <p>Gravel sheeting commenced on Papulankutja Rd SLK31.00 to SLK35.00 on Monday 11th April 2022. The two maintenance graders will be stood down and operators will be added to the construction crew from Thursday 21 April. With additional operators the project is expected to be completed by 7th May.</p> <p>The construction crew will mobilise camp to gravel sheet Wanarn Rd SLK1.00 to SLK3.90 and SLK4.90 to SLK7.70 then onto Great Central Road.</p> <p>The construction of 4 culverts on Tjirrkarli Road was completed on Wednesday 20th April. The associated 1km gravel sheet over these culverts and adjoining road is to commence.</p> <p>Gravel sheeting/widening projects to be completed for the 2021/2022 Annual Road Program include:</p> <ul style="list-style-type: none"> • Wanarn Rd SLK1.00 to SLK3.90 and SLK4.90 to SLK7.70 • Papulankutja Rd SLK31.00 to SLK35.00 • Great Central Rd SLK229.00 to SLK246.00 • Tjirrkarli Rd SLK88.70 to SLK88.70 <p>Capital Work Projects completed to date include:</p> <ul style="list-style-type: none"> • Great Central Road SLK 246.00 to SLK255.00. • Wanarn Road SLK12.50 to SLK15.00 and SLK7.00 to SLK9.70 • Warburton Shire Depot Compound hard stand. • Third Street SLK 0.26 to SLK1.00. • Papulankutja Rd SLK189.25 to SLK194.25. • Papulankutja Rd SLK160.90 to SLK165.90. • Irrunytju Rd SLK112.00 to SLK116.00. • Tjirrkarli Rd SLK88.67 to SLK89.21 culvert installations at 4 locations <p>ACTION: Works Engineer/Works Officer continue to undertake site visits to Irrunytju Rd construction site.</p>
April 2022	RAMM Data Base	<p>Works Engineer reviewed data uploaded into RAMM since initial road condition survey undertaken in 2015 and follow-up visual road condition survey in 2021. The road data is collected and recorded in the multiple applications in the RAMM database. The RAMM Pavement and Surfacing application is where the road pavement and surface layers can be view and maintained. This application records initial construction, and new pavement and surfacing renewal works. It is this application that allows contiguous lengths of road that have the same characteristics for valuation purposes to be merged and valued as a single record for IP&R purposes.</p> <p>ACTION: Works Engineer to continue reviewing RAMM Pavement and Surfacing application.</p>
April 2022	Talis Engineering Consultants	<p>Talis Consultants were engaged by WALGA to undertake Road Condition Survey of specific roads in the Goldfields LGs including remote aboriginal access roads. The shire negotiated with Talis to undertake road condition survey of the 10 community's road</p>

	Shire Road Network Condition Surveys	<p>networks. This survey is completed and survey data of all sealed and unsealed roads were uploaded into the Shire's RAMM database. Inspection of the database showed the following issues still to be addressed by Talis:</p> <ol style="list-style-type: none"> 1. A separate report for the Aboriginal access roads addressing a maintenance and improvement strategy for each road. For example, urgent grading required, clear side drains, 150mm re-gravelling required, widen to 9.0m, upgrade from unformed to formed, reconstruct floodways etc. The report is pending. 2. Video and survey data in the form of a custom online or dedicated web portal. This is likely to be available to the Shire in April 2022. 3. Talis will schedule a presentation to the Goldfields RRG early new year of the results of the survey. This has been completed. <p>ACTION: Works Engineer continue to upload construction data from gravel sheeting projects into RAMM database.</p>
April 2022	Traffic Counts RAMM	<p>Traffic count data to be progressively uploaded into RAMM database system as data</p> <p>ACTION: Works Engineer to progress traffic count uploads into RAMM as traffic counts are completed on individual roads</p>
April 2022	Warburton Bypass	<p>A roadworks surveyor was engaged by the Shire for pegging of the proposed road design centreline every 100m spacings and this was completed over the weekend of 5th and 6th March 2022. Date of vegetation clearing unknown as subject to granting of a Clearing Permit from the Department of Water and Environmental Regulation.</p> <p>Action: Works Engineer to be on site for clearing of 25m corridor width when clearing works undertaken by Breakaway Earthmoving following granting of Vegetation Clearing Permit.</p>
April 2022	Various Road Signage	<p>Various street name signs proposed for installation at following locations:</p> <ol style="list-style-type: none"> 1. Nyinnga Rd street name sign at junction with Papulankutja Rd and Mantamaru Rd respectively. 2. Mantamaru Rd street name sign at junction with GCR and Nyinnga Rd respectively 3. Irrunytju Rd street name sign at junction with GCR and Papulankutja Rd respectively 4. Papulankutja Rd street name sign at junction with Irrunytju Rd <p>Installation delayed due to difficulty in obtaining an additional person to assist Works Officer with sign installation</p> <p>Action: Works Officer install remaining street signs as time and staff assistance permits.</p>

ACTION SHEET

Operations Coordinator – Joseph Joseph
20th April 2022.

Date	Subject	Action Taken
Waste Management and Yard Maintenance		
April 2022	Team Cohesion	Covid:- NO group meetings. Daily instructions conveyed individually. Action: OC to continue holding regular daily review.
April 2022	Inspection	Daily inspection and monitoring of bins being carried out. Lids supply, replacing and fixing has started. Action: OC to continue to monitor Rubbish Bins; supply and fix lids.
April 2022	Plant Maintenance	Welding Repairs have been carried out on Rubbish truck. Organised consumables for TRUCK & UTE servicing. Action: OC to continue to ensure that all plant is maintained and operational when required.
April 2022	Yard maintenance and Rubbish pickup	A schedule of rubbish collections and yard maintenance has been finalised and is now being implemented. Action: OC continue to implement rubbish collection and yard maintenance schedule.
Building Management		
April 2022	Building Inspections	All occupied buildings have been inspected in line with the Building Management Manual. Action: OC continue to inspect all properties under the care and control of the Shire.
April 2022	Building Repairs	All defects identified during the inspections are in the process of being repaired in line with the Building Management Manual. Some repairs have been delayed due to COVID – 19 lockdowns. Action: OC continue to organise repairs to properties in need of remedial works.



Operations Management Manual

for Sealed Roads

TERMS ACRONYMS AND DEFINITIONS

The following table outlines the terms used in The Shire of Ngaanyatjaraku's Asset Condition Rating and Valuation Methodology Manuals and provides a definition for each.

<u>Term</u>	<u>Definition</u>
Accumulated Depreciation	The amount of depreciation over the time since the asset was created.
Actual Construction Date	The date when an asset was known to be created / acquired.
Current Replacement Cost (CRC)	The cost the Shire would incur to acquire the asset at the end of the reporting period.
Depreciated Replacement Cost (DRC)	The Current Replacement Cost of an asset less Accumulated Depreciation calculated on the basis of such cost to reflect the already consumed or expired future economic benefits of the asset. This is also equal to the "Fair Value" of a non-current infrastructure asset.
Depreciation	The systematic allocation of the depreciable amount of an asset over its useful life or, where applicable the period until the intervention level has been reached.
Estimated Construction Date	When the Actual Construction Date is not known it is estimated by adding the Remaining Life to the assessment year and subtracting the Useful Life.
Intervention Level	The point at which the Shire would seek to intervene and repair, renew or replace the asset to as new condition.
Remaining Life	The period from the year of assessment to when the Useful Life is expected to expire.
Renewals	The replacement of existing assets with equivalent capacity or performance as opposed to the acquisition of new assets.
Salvage Value	The value of the asset at the time when the Shire intervenes and renews, repairs or replaces the asset to as new condition.
Useful Life	The period over which an asset is expected to be available for use.

Table of Contents

Terms Acronyms and Definitions	2
1.0 Executive Summary	6
2.0 Introduction	6
3.0 Scope	6
4.0 Components of Sealed Roads	6
5.0 Data Collection	7
5.1 Road Inventory	7
5.2 Road Hierarchy	7
5.3 Levels of Service	7
5.3.1 Financial Scenarios	7
5.3.2 Works Levels of Service	7
6.0 Road Condition	8
6.1 Local Surface Defects	8
6.1.1 Measuring Surface Defects	8
6.1.2 Examples of Surface Defects	9
6.2 Potholes	9
6.2.1 Measuring Potholes	9
6.2.2 Examples of Potholes	10
6.3 Rutting	10
6.3.1 Measuring Rutting	10
6.3.2 Rutting Severity	10
6.3.3 Examples of Rutting Severity	10
6.4 Cracking	11
6.4.1 Extent	11
6.4.2 Severity	11
6.4.3 Examples of Cracking Extent	11
6.5 Surface Deficiencies	12
6.5.1 Delamination	12
6.5.2 Flushing	12
6.5.3 Polishing	12
6.5.4 Stripping	12
6.5.5 Measuring Surface Deficiencies	12
6.5.6 Examples of Surface Deficiency Extent	12
7.0 Condition Weightings	13
7.1 Pavement Renewal Score	13
7.2 Resealing Score	14
8.0 Life Cycles – Bitumen Seal	15
8.1 Useful Life	15
8.2 Intervention Life	15
8.3 Remaining Useful Life	15
8.4 Estimated Life Cycles	15
9.0 Life Cycles – Flexible Pavements	16
9.1 Useful Life	16
9.2 Intervention Life	16
9.3 Remaining Useful Life	16
9.4 Estimated Life Cycles	16
10.0 Integration of Life Cycles	17
11.0 Valuation Methodology	17
11.1 Ascertain The Relevant Asset Details.	17
11.2 Determine The Condition of The Asset.	17

11.3	Convert the Condition Rating to a Percentage Of New.....	17
11.4	Determine the Life Cycles of the Asset and Intervention Point.....	18
11.5	Determine the Current Replacement Cost (CRC) and Renewal Costs.....	18
11.6	Determine the Depreciated Replacement Cost (Fair Value).....	18
11.7	Determine the Annual Depreciation.....	18
11.8	Determine the Accumulated Depreciation	18
12.0	Estimated Costs	18
12.1	Bitumen Sealing.....	18
12.2	Pavement Renewal	19
13.0	Program Development.....	19
13.1	Road Asset Inventory	19
13.2	Road Hierarchy	19
13.3	Levels of Service.....	19
13.4	Prioritisation of Works.....	20
13.4.1	Pavement Renewal Prioritisation	20
13.4.2	Resealing Prioritisation	20
13.5	Year of Pavement Renewal / Reseal	20
13.6	Program Adjustments	20
14.0	Summary	20
14.1	Pavement Renewal Program.....	20
14.2	Resealing Program	20
14.3	Condition.....	21
Appendix 1	Road Inventory and Hierachy Classes	22
Appendix 2	Pavement Renewal Program.....	24
Appendix 3	Resealing Program	25
Appendix 4	Condition Over Life of Program.....	27
A4.1	All Roads	27
A4.2	Regional Distributor Roads.....	27
A4.3	Local Distributor Roads	28
A4.4	Local Access Roads	28
Appendix 5	Annual Expenditure Vs Budget	29
A5.1	All Roads	29
A5.2	Regional Distributor Roads.....	29
A5.3	Local Distributor Roads	30
A5.4	Local Access Roads	30
Appendix 6	Accumulative Balances	31
A6.1	All Roads	31
A6.2	Regional Distributor Roads.....	31
A6.3	Local Distributor Roads	32
A6.4	Local Access Roads	32
Appendix 7	Backlog.....	33
A7.1	All Roads	33

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1.0 EXECUTIVE SUMMARY

The Shire of Ngaanyatjaraku manages a vast road network to enable the delivery of Shire services in an effective and efficient manner. As part of this network, Council is responsible for about 44km of sealed roads. The following table summarises the overall results of the assessment and valuation carried out on these roads September 2021. The results show that overall the asset is in a good condition with an average of 33 years life remaining, with 10% of the asset life being consumed.

Component	Total Length (km)	CRC	DRC		Accumulated Depreciation	Annual Depreciation	Average Remaining Life (years)
			\$	% of CRC			
Pavement & Seal	44.36	\$ 11,365,852	\$ 10,256,871	90%	\$ 1,108,981	\$ 189,275	33

2.0 INTRODUCTION

The management of sealed roads is a continual process of condition rating, valuation, strategic modelling and program development. This manual provides the methodology of how these processes are carried out for input into Asset Management Plans, Long Term Financial Plans and Fair Value Assessments.

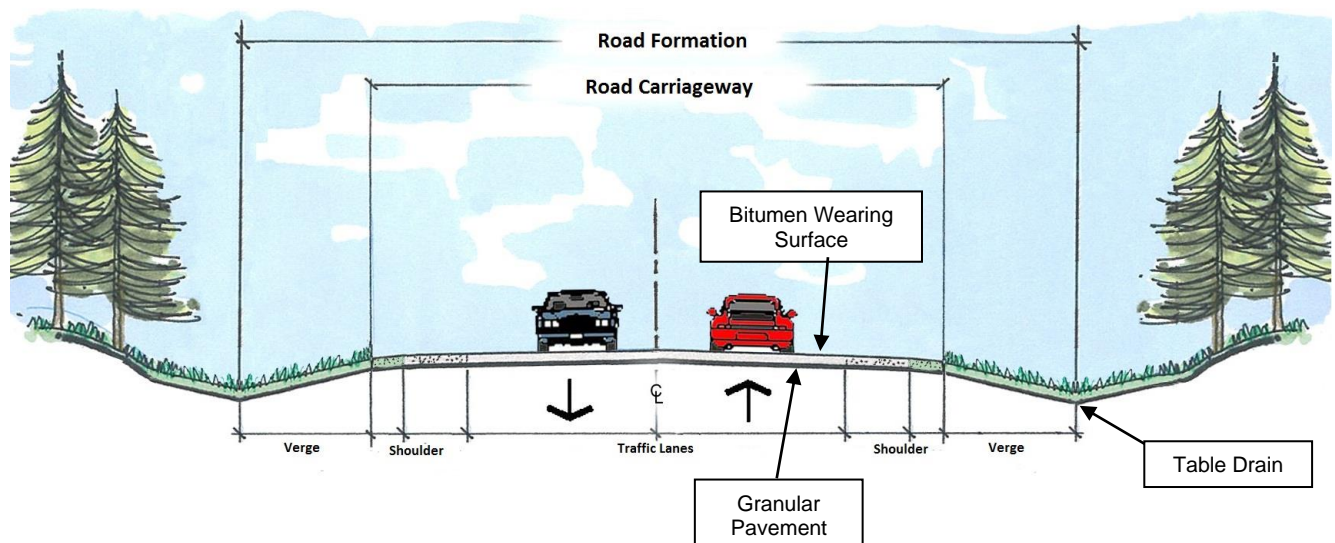
This document also underlines how the Shire will continue to deliver services on a long term basis and ensures that the Shire has the plans in place to enable funds and resources to be available at the optimum time to renew the asset before it fails and threaten the ongoing delivery of that service.

3.0 SCOPE

This manual applies to all sealed roads under the care and control of the Shire of Ngaanyatjaraku.

4.0 COMPONENTS OF SEALED ROADS

The diagram below outlines the components of a sealed rural road. It can be seen that the 3 major components are the pavement, wearing surface and drainage.



5.0 DATA COLLECTION

5.1 Road Inventory

Appendix 1 shows all of the sealed roads under the care and control of the Shire of Ngaanyatjaraku.

5.2 Road Hierarchy

To enable the Shire to provide levels of service that are appropriate for the function and use of a road, it is important to split the sealed road network into a functional road hierarchy that is reflective of the level of use of a road and its strategic importance. Roads are also split into urban and rural as the characteristics of each and required levels of service differ. Accordingly, the sealed road networks has been categorised as follows:

- Roads within communities have been designated as Urban Roads and roads that connect communities or have a through road function have been designated as rural roads.
- Roads that carry vehicles from and to a significant Regional centre such as Kalgoorlie and Alice Springs are considered to be Regional Distributor Roads.
- Roads that carry vehicles between communities on the Ngaanyatjarra Lands are deemed to be Local Distributor roads.
- All other roads under the care and control of the Shire of Ngaanyatjaraku have been given a designation of Access roads.

Accordingly, Appendix 1 depicts each road within the LGA and its road hierarchy classification.

5.3 Levels of Service

5.3.1 Financial Scenarios

Three (3) financial scenarios have been adopted for the purpose of analysis of the levels of service being provided in this document. These are as follows:

- Do nothing. This assumes that no works are carried out.
- Existing. This takes existing funding levels and analyses them against required works.
- Optimal. This considers the works and funding levels that are needed to bring the roads up to an acceptable condition and to then keep the network in this condition.

5.3.2 Works Levels of Service

Once the asset details and hierarchy classifications are deciphered, the levels of service can be assigned to each road, for each activity, based on the function of the road. With regard to sealed roads, the Shire carries out three (3) main activities as follows:

- Resealing This activity involves the laying of a new bituminous seal, over an existing bituminous seal that has deteriorated to the point that it has reached its intervention point.
- Pavement Renewal Pavement renewal is carried out by removing the existing seal and adding a 200mm granular overlay to the existing pavement that has reached its intervention point.
- Routine Maintenance This activity revolves around the reactive repair of minor defects in the road, such as potholes and table drain repair.

Accordingly, the following table outlines the levels of service for each of these activities for each hierarchy classification.

Road Hierarchy Classification		Resealing	Pavement Renewal	Routine Maintenance
Rural	Regional Distributor	Every 19 years	Every 38 years	As required
	Local Distributor	Every 19 years	Every 38 years	
	Access	Every 19 years	Every 38 years	
Urban	Regional Distributor	Every 19 years	Every 38 years	
	Local Distributor	Every 19 years	Every 38 years	
	Access	Every 19 years	Every 38 years	

6.0 ROAD CONDITION

There are two main aspects of a sealed road which are condition rated as follows:

- Wearing Surface Defects measures the overall condition of the bituminous surface.
- Pavement Condition measures the overall condition of the pavement.

6.1 Local Surface Defects

Local Surface defects are characterised by localised failures, those that do not occur over the length of the road but occur at discrete locations, which typically manifest as surface breakdown. Defects consist of unsuccessful patches, localised shoving, rutting or cracking, localised corrugations or any other surface defects that can contribute to surface and pavement failure. Local surface defects include:

- Failed Patches_____Areas where the original seal has been replaced and there is a level difference between the patch and the adjacent surface. Failed patches include those that have cracked or fatigued.
- Localised Rutting or Cracking___Localised rutting or cracking are surface defects that cannot be categorised into the normal rutting or cracking defects.
- Localised Shoving_____Localised shoving or corrugations usually takes the form of fairly regular waviness closely and regularly spaced, with wavelengths less than two metres. This is seen as ridges and troughs of the waves in areas of braking, acceleration or cornering.

6.1.1 Measuring Surface Defects

The rating of surface defects is expressed as the percentage of the area of the surface defects in the total area of the treatment length. Visual identification of the dimensions should be straight forward; however, use of a string line may be necessary for larger areas.

- Determine the area of the treatment length by multiplying the treatment length's length by the average width. In a visual condition assessment the same treatment length is used for all criteria.
- Determine the area affected by surface defects within the treatment length area.
- Express the affected area as a percentage of the total treatment length area.
- Assign a rating according to the table below.

A rating score is then applied to the section of road being assessed as shown in the table on the next page. A percentage of current replacement cost is also assigned at this point.

Extent	Rating Score	Rating Score as a % of CRC
Not Applicable	0	0%
No Area Affected	1	100%
0% < Area Affected < 5%	2	75%
5% < Area Affected < 10%	3	50%
10% < Area Affected < 20%	4	25%
20% < Area Affected	5	0%

6.1.2 Examples of Surface Defects



Localised shoving



Poor trench repair



Unsuccessful patch



Localised shoving



Poor patch repair



Localised cracking

6.2 Potholes

A pothole is a hole in the road surfacing, resulting from the loss of surfacing material. Potholes are often created through the interaction between water and traffic. Inadequate drainage alongside the road shoulder can result in water entering the underlying pavement structure. This weakens the pavement resulting in failure due to the movement of the pavement under vehicular loads. These cracks in the pavement surface provide another entry for water and exacerbate the weakening of the pavement.

Potholes can form where stripping of the surface has occurred. This results in the base layer being exposed, instigating the formation of a pothole. Possible causes include inadequate drainage, structural deficiencies in the pavement gravel, inadequate compaction, and inadequate maintenance.

6.2.1 Measuring Potholes

The rating of potholes extent is expressed as the percentage of the area of the potholes extent in the total area of the treatment length.

- Determine the area of the treatment by multiplying the treatment length by the average width. In a visual condition assessment the same treatment length is utilised for all criteria.
- Determine the area affected by local surface defects within the treatment length area.
- Express the affected area as a percentage of the total treatment length area.
- Assign a rating according to the following table.

Extent	Rating Score	Rating Score as a % of CRC
Not Applicable	0	0%
No Area Affected	1	100%
0% < Area Affected < 5%	2	75%
5% < Area Affected < 10%	3	50%
10% < Area Affected < 20%	4	25%
20% < Area Affected	5	0%

6.2.2 Examples of Potholes



< 5% area affected



< 20% area affected



> 20% area affected

6.3 Rutting

Rutting takes the form of depressions along the wheel paths visible on the road surface. Sometimes rutting is also accompanied by a bulging of the road surface adjacent to the rut. Possible causes of rutting include inadequate pavement thickness and inadequate compaction.

6.3.1 Measuring Rutting

Rutting is assessed by considering the same treatment lengths utilised throughout the visual condition assessment. Measurements are taken at regular intervals along the outer wheel path of each lane. Measurements are based on the depth of rut when measured from a 1.2 metre long straight edge.

6.3.2 Rutting severity

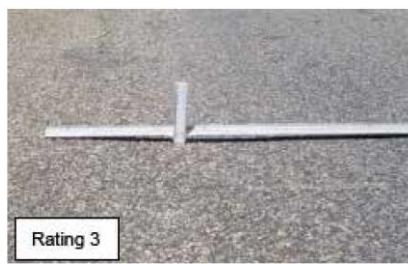
Severity is determined by measuring the depth of rutting along the same length used in the visual assessment and the average depth of ruts. Determine the severity rating according to the scale below:

Extent	Rating Score	Rating Score as a % of CRC
Not Applicable	0	0%
No Area Affected (Average depth <5mm)	1	100%
Slight Rutting (Average depth 5-10mm)	2	75%
Moderate Rutting (Average depth 10-20mm)	3	50%
Heavy Rutting (Average depth 20-30mm)	4	25%
Extreme Rutting (Average depth >30mm)	5	0%

6.3.3 Examples of Rutting Severity



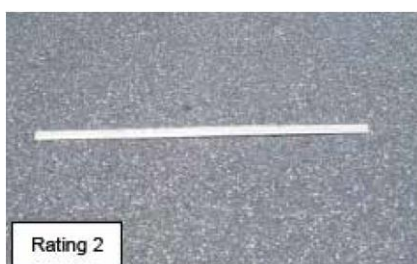
None of the are affected (depth > 30mm.)



Moderate rutting (average depth 10-20 mm.)



Extreme rutting (average depth > 30 mm.)



Slight rutting (average depth < 10 mm.)



Heavy rutting (average depth 20 - 30 mm.)

6.4 Cracking

6.4.1 Extent

Cracking results from the fracture of the sealed surface and can happen in a many patterns. Cracking leads to loss of waterproofing of the pavement layers and loss of fines from the pavement layers. Possible causes include, deformation, aging of the seal and reflection of movements in the pavement. Cracking is assessed over the same treatment length utilised in the visual assessment and includes all carriageways. Cracking is an isolated data type and does not include cracking around unsuccessful patches and potholes. Cracking extent is measured as follows:

Extent	Rating Score	Rating Score as a % of CRC
Not Applicable	0	0%
No Area Affected	1	100%
0% < Area Affected < 5%	2	75%
5% < Area Affected < 10%	3	50%
10% < Area Affected < 20%	4	25%
20% < Area Affected	5	0%

6.4.2 Severity

Severity is rated according to the average width of the cracks typically occurring in the assessment area and is applicable to both structural and non-structural cracking. To assess severity, measure the with and rate according to the following scale:

Extent	Rating Score	Rating Score as a % of CRC
Not Applicable	0	0%
No Area Affected	1	100%
Slight (Average width <2mm)	2	75%
Moderate (Average width 2mm – 4mm)	3	50%
Heavy (Average width 4mm – 6mm)	4	25%
Extreme Rutting (Average width >6mm)	5	0%

6.4.3 Examples of Cracking Extent



No area affected



5% < area affected < 10%



20% < area affected



0% < area affected < 5%



10% < area affected < 20%

6.5 Surface Deficiencies

Surface deficiencies are usually identified by either loss of texture or loss of a portion of a seal layer and become evident in one or more of the following ways.

6.5.1 Delamination

Delamination is the loss of a large area of the wearing course or surfacing layer. Delamination is usually caused by inadequate bond between pavement and surfacing or seepage of water which breaks the bond between pavement and surfacing or weak, loose pavement layer under the seal.

6.5.2 Flushing

Flushing is the immersion of aggregate into the bituminous binder. Causes include, excessive application of binder, penetration of aggregate into base course, poor sealing and poor mix design.

6.5.3 Polishing

Polishing appears as a smoothing or rounding of the upper surface of the aggregate making it feel smooth to the touch. Possible causes include use of stone that is not hard enough to resist polishing by tyres, use of naturally smooth aggregate and excessive traffic environments.

6.5.4 Stripping

Stripping is the loss of bond between aggregates and binder causing the aggregates to become loose and able to be stripped off the seal. Possible causes are low binder contents, poor binder for stone adhesion, inadequate rolling, excess moisture during construction and sealing below minimum temperature specifications.

6.5.5 Measuring Surface Deficiencies

To assess surface deficiencies undertake an initial assessment from a slow moving vehicle over the full length of the treatment length being assessed. A representative area is then inspected more closely and the surface texture assessed for suitability. The rating of surface deficiencies is expressed as the percentage of the area of the surface deficiencies in the total area of the treatment length.

- Determine the area of the treatment length by multiplying the treatment length's length by the average width. The same treatment length is utilised for all types of surface deficiencies.
- Determine the area affected by surface defects within the treatment length area.
- Express the affected area as a percentage of the total treatment length area.
- Assign a rating according to the following table.

Extent	Rating Score	Rating Score as a % of CRC
Not Applicable	0	0%
No Area Affected	1	100%
0% < Area Affected < 5%	2	75%
5% < Area Affected < 10%	3	50%
10% < Area Affected < 20%	4	25%
20% < Area Affected	5	0%

6.5.6 Examples of Surface Deficiency Extent



No area affected



0% < area affected < 5%



5% < area affected < 10%



10% < area affected < 20%



20% < area affected

7.0 CONDITION WEIGHTINGS

7.1 Pavement Renewal Score

The main aspect determining the need to renew a pavement is rutting as it is directly reflective of the condition of the pavement. Cracking and local surface defects allow water to enter the pavement layers of a road, thereby accelerating the deterioration of the pavement and road. Thus, cracking and local surface defects are factors determining the need for pavement renewal. However, their weightings are lower as poor rating in these areas alone merely require a reseal. Potholes are not taken into account as they can be quickly repaired under routine maintenance, thereby, restoring the water proofing of the seal.

Aspect	Description	Rating Score	% of CRC	Weighting
Local Surface Defects	No Area Affected	1	100%	10%
	0% < Area Affected < 5%	2	75%	
	5% < Area Affected < 10%	3	50%	
	10% < Area Affected < 20%	4	25%	
	20% < Area Affected	5	0%	
Rutting Severity	No Area Affected (Average depth <5mm)	1	100%	70%
	Slight Rutting (Average depth 5-10mm)	2	75%	
	Moderate Rutting (Average depth 10-20mm)	3	50%	
	Heavy Rutting (Average depth 20-30mm)	4	25%	
	Extreme Rutting (Average depth >30mm)	5	0%	
Cracking Extent	No Area Affected	1	100%	10%
	0% < Area Affected < 5%	2	75%	
	5% < Area Affected < 10%	3	50%	
	10% < Area Affected < 20%	4	25%	
	20% < Area Affected	5	0%	
Cracking Severity	No Area Affected	1	100%	10%
	Slight (Average width <2mm)	2	75%	
	Moderate (Average width 2mm – 4mm)	3	50%	
	Heavy (Average width 4mm – 6mm)	4	25%	
	Extreme Rutting (Average width >6mm)	5	0%	

Hence, assuming that a section of road received the following condition scores:

- Local Surface Defects = Area affected 8% (Rating 3 – 50% of CRC)
- Rutting = Average Depth 25mm (Rating 4 – 25% of CRC)
- Cracking Extent = Area affected 25% (Rating 5 – 0% of CRC)
- Cracking Severity = Average Width 5mm (Rating 4 – 25% of CRC)

The following formula would give its Pavement Renewal Score:

$$\begin{aligned}
 &= (\text{Local Surface Defects \%} \times 10\%) + (\text{Rutting \%} \times 70\%) + (\text{Cracking Extent \%} \times 10\%) + (\text{Cracking Severity \%} \times 10\%) \\
 &= (50\% \times 10\%) + (25\% \times 70\%) + (0\% \times 10\%) + (25\% \times 10\%) \\
 &= 5\% + 17.5\% + 0\% + 2.5\% \\
 &= 25\%
 \end{aligned}$$

Therefore, the Pavement Renewal Score = 25%

7.2 Resealing Score

The main aspects considered in determining whether a reseal is required are the condition rating relating to the surface, including surface deficiencies, cracking and local surface defects. Rutting is directly related to the pavement and is not considered for resealing.

Note that roads displaying rutting are not to be considered for resealing as pavement renewal is the only means of repairing these roads and as such resealing will only mask the real defect.

Surface deficiencies contain defects that are directly related to the age of a seal and as such is the most critical factor to determine the need for resealing and is therefore weighted accordingly.

Aspect	Description	Rating Score	% of CRC	Weighting
Local Surface Defects	No Area Affected	1	100%	10%
	0% < Area Affected < 5%	2	75%	
	5% < Area Affected < 10%	3	50%	
	10% < Area Affected < 20%	4	25%	
	20% < Area Affected	5	0%	
Potholes	No Area Affected	1	100%	10%
	0% < Area Affected < 5%	2	75%	
	5% < Area Affected < 10%	3	50%	
	10% < Area Affected < 20%	4	25%	
	20% < Area Affected	5	0%	
Cracking Extent	No Area Affected	1	100%	5%
	0% < Area Affected < 5%	2	75%	
	5% < Area Affected < 10%	3	50%	
	10% < Area Affected < 20%	4	25%	
	20% < Area Affected	5	0%	
Cracking Severity	No Area Affected	1	100%	5%
	Slight (Average width <2mm)	2	75%	
	Moderate (Average width 2mm – 4mm)	3	50%	
	Heavy (Average width 4mm – 6mm)	4	25%	
	Extreme Rutting (Average width >6mm)	5	0%	
Surface Deficiencies	No Area Affected	1	100%	70%
	0% < Area Affected < 5%	2	75%	
	5% < Area Affected < 10%	3	50%	
	10% < Area Affected < 20%	4	25%	
	20% < Area Affected	5	0%	

Hence, assuming that a section of road received the following condition scores:

- Local Surface Defects = Area affected 8% (Rating 3 – 50% of CRC)
- Potholes = Area affected 0% (Rating 1 – 100% of CRC)
- Cracking Extent = Area affected 25% (Rating 5 – 0% of CRC)
- Cracking Severity = Average Width 5mm (Rating 4 – 25% of CRC)
- Surface Deficiencies = Area affected 0% (Rating 3 – 50% of CRC)

The following formula would give its overall condition score:

$$\begin{aligned}
 &= (\text{Local Surface Defects \%} \times 10\%) + (\text{Potholes \%} \times 10\%) + (\text{Cracking Extent \%} \times 5\%) + (\text{Cracking Severity \%} \times 5\%) + (\text{Surface Deficiencies \%} \times 70\%) \\
 &= (50\% \times 10\%) + (100\% \times 10\%) + (0\% \times 5\%) + (25\% \times 5\%) + (50\% \times 70\%) \\
 &= 5\% + 10\% + 0\% + 1.25\% + 35\% \\
 &= 51.25\%
 \end{aligned}$$

Therefore, the Resealing Score = 51.25%

8.0 LIFE CYCLES – BITUMEN SEAL

8.1 Useful Life

As the resealing score represents the percentage of remaining life in a seal, this score and the age of the seal is used to calculate the useful life of a bitumen seal. An example of the calculation is:

$$\begin{aligned}\text{Resealing Score} &= 25\% \\ \text{Age of Seal} &= 20 \text{ year} \\ \text{Useful Life (yrs)} &= \frac{\text{Age of Seal (yrs)} \times 100\%}{100\% - \text{Resealing Score}} \\ &= 26.67 \text{ years}\end{aligned}$$

8.2 Intervention Life

The useful life of a bitumen seal effectively relates to the time from the date the seal was applied to the date that the seal is essentially worthless and no longer can provide its intended service and function. This point of a seals life is also characterised by increasing routine maintenance costs for activities such as crack sealing and pothole patching.

Hence, it is desirable that the Shire intervene before this point to ensure that the road remains functional and to negate the accelerating maintenance requirements. The point at which this intervention should be put in place is considered to be when it reaches a resealing score of 25% as this equates to the point that defects in the seal are still less than 20% of the whole area of the road and the cracking is less than 6mm. Thus, using the example above, the intervention life is calculated as follows:

$$\begin{aligned}\text{Intervention Life} &= \text{useful life} - (25\% \text{ of useful life}) \\ &= 20 \text{ years.}\end{aligned}$$

8.3 Remaining Useful Life

The Resealing Score also represents the percentage of life remaining in an asset. Conversely, the percentage difference between 100% (new) and the Resealing Score also represents the amount of life that an asset has used. Hence, the remaining life can be calculated as follows:

$$\begin{aligned}\text{Resealing Score} &= 25\% \\ \text{Useful Life} &= 26.67 \text{ years} \\ \text{Remaining Life} &= 25\% \times 26.67 \text{ years} \\ &= 6.67 \text{ years}\end{aligned}$$

8.4 Estimated Life Cycles

Accordingly, the table below outlines the calculation of useful lives, intervention lives and remaining life of a seal. These figures have been adopted and applied to all sealed roads throughout the Shire

Road Name	Community	Current Age of Seal (Years)	Resealing Score	Remaining Life of Seal	Useful Life	Total Intervention Life
Osborne St	Blackstone	20	18.75%	4.62	24.62	18.46
Yungal St	Blackstone	20	22.50%	5.81	25.81	19.35
Fourth Street	Warburton	20	23.75%	6.23	26.23	19.67
Ninth Street	Warburton	20	25.00%	6.67	26.67	20.00
Unknown5	Warakurna	20	21.25%	5.40	25.40	19.05
Average					25.74	19.31

9.0 LIFE CYCLES – FLEXIBLE PAVEMENTS

9.1 Useful Life

As the Pavement Renewal score represents the percentage of remaining life in a pavement, this score and the age of the pavement is used to calculate its useful life. An example of the calculation is:

$$\begin{aligned} \text{Pavement Renewal Score} &= 65\% \\ \text{Age of Seal} &= 20 \text{ year} \\ \text{Useful Life (yrs)} &= \frac{\text{Age of Seal (yrs)} \times 100\%}{100\% - \text{Pavement Renewal Score}} \\ &= 57.14 \text{ years} \end{aligned}$$

9.2 Intervention Life

The useful life of a pavement effectively relates to the time from the date the pavement was constructed to the date that the pavement is essentially worthless and no longer can provide its intended service and function. This point is also characterised by increasing routine maintenance costs.

Hence, it is desirable that the Shire intervene before this point to ensure that the road remains functional and to negate the accelerating maintenance needs. The point at which this intervention should be in place is when it reaches a Pavement Renewal Score of 25% as this equates to the point that defects in the pavement are still less than 20% of the road and the rutting is less than 30mm. Thus, using the example above, the intervention life is calculated as follows:

$$\begin{aligned} \text{Intervention Life} &= \text{useful life} - (25\% \text{ of useful life}) \\ &= 42.85 \text{ years.} \end{aligned}$$

9.3 Remaining Useful Life

The Pavement Renewal score also represents the percentage of life remaining in an asset. Conversely, the percentage difference between 100% (new) and the Pavement Renewal score also represents the amount of life that an asset has used. Hence, the remaining life can be calculated as follows:

$$\begin{aligned} \text{Pavement Renewal score} &= 25\% \\ \text{Useful Life} &= 57.14 \text{ years} \\ \text{Remaining Life} &= 25\% \times 57.14 \text{ years} \\ &= 14.29 \text{ years} \end{aligned}$$

9.4 Estimated Life Cycles

Accordingly, the table below outlines the calculation of useful lives, intervention lives and remaining life of a pavement. These figures have been adopted and applied to all sealed roads throughout the Shire

Road Name	Community	Pavement Renewal Score	Age Of Pavement	Remaining Life Of Pavement	Useful Life	Intervention Life
Fourth Street	Warburton	55.000%	20.00	24.44	44.44	33.33
Fifth Street	Warburton	55.000%	20.00	24.44	44.44	33.33
Sixth Street	Warburton	62.500%	20.00	33.33	53.33	40.00
Fifteenth Street	Warburton	55.000%	20.00	24.44	44.44	33.33
Eleventh Street	Warburton	45.000%	20.00	16.36	36.36	27.27
Ninth Street	Warburton	72.500%	20.00	52.73	72.73	54.55
Eighteenth Street	Warburton	55.000%	20.00	24.44	44.44	33.33
Tenth Street	Warburton	42.500%	20.00	14.78	34.78	26.09
Tenth Street	Warburton	40.000%	20.00	13.33	33.33	25.00
Third Street	Warburton	80.000%	20.00	80.00	100.00	75.00
Fourteenth Street	Warburton	57.500%	20.00	27.06	47.06	35.29
Twelfth Street	Warburton	60.000%	20.00	30.00	50.00	37.50
Sixteenth Street	Warburton	65.000%	20.00	37.14	57.14	42.86
Bc No 5 Street	Warburton	65.000%	20.00	37.14	57.14	42.86

Road Name	Community	Pavement Renewal Score	Age Of Pavement	Remaining Life Of Pavement	Useful Life	Intervention Life
Seventeenth Street	Warburton	40.000%	20.00	13.33	33.33	25.00
Nineteenth Street	Warburton	55.000%	20.00	24.44	44.44	33.33
Mc20-Twentyfirst St	Warburton	47.500%	20.00	18.10	38.10	28.57
Motel Street	Warburton	47.500%	20.00	18.10	38.10	28.57
Hann Street	Papulankutja	65.000%	20.00	37.14	57.14	42.86
Osborne Street	Papulankutja	70.000%	20.00	46.67	66.67	50.00
Pirru Street	Papulankutja	62.500%	20.00	33.33	53.33	40.00
Yungal Street	Papulankutja	72.500%	20.00	52.73	72.73	54.55
Tjuta Street (B)	Mantamaru	65.000%	20.00	37.14	57.14	42.86
Eleventh Street	Warakurna	77.500%	20.00	68.89	88.89	66.67
Fifth Street	Warakurna	75.000%	20.00	60.00	80.00	60.00
Seventeenth Street	Warakurna	77.500%	20.00	68.89	88.89	66.67
Sixth Street	Warakurna	77.500%	20.00	68.89	88.89	66.67
Third Street	Warakurna	77.500%	20.00	68.89	88.89	66.67
Unknown2	Warakurna	75.000%	20.00	60.00	80.00	60.00
Unknown3	Warakurna	72.500%	20.00	52.73	72.73	54.55
Unknown4	Warakurna	77.500%	20.00	68.89	88.89	66.67
Unknown5	Warakurna	70.000%	20.00	46.67	66.67	50.00
Second Street	Warakurna	65.000%	20.00	37.14	57.14	42.86
Averages					60.05	45.04

10.0 INTEGRATION OF LIFE CYCLES

To maximise cost effectiveness, it is important to align the seal and pavement life cycles to ensure that resealing and pavement renewals are undertaken at the optimum time. Using the life cycles outlined above would mean that resealing would be carried out at years 19, 38 and 57, whilst a pavement renewal would be undertaken in year 45. Effectively this means that the reseal undertaken at year 38 would only be in place for 7 years before it is overlaid and replaced with a 2 coat seal as part of the pavement renewal undertaken in year 45. Similarly, the 2 coat seal undertaken as part of the pavement renewal at year 45 would only be in place for 12 years before it was resealed in year 57.

To negate this inefficient practice, the pavement intervention life has been reduced to 38 years to align with the resealing intervention life. Hence, this will result in a reseal being carried out in year 19, then pavement renewal in year 38, reseal in year 57 etc.

Accordingly, the adopted useful lives for use in these programs are:

- Bitumen Seal = 19 years
- Pavement Renewals = 38 years

11.0 VALUATION METHODOLOGY

The following are the steps taken in valuing sealed Roads.

11.1 Ascertain the Relevant Asset Details.

The sealed road network is provided in Appendix 1.

11.2 Determine the Condition of the Asset.

See Section 6.0 for how condition rating is carried out at the Shire of Ngaanyatjaraku.

11.3 Convert the Condition Rating to a Percentage of New.

See Sections 7.2 and 7.3 for how condition ratings are converted to a percentage of new. This figure is also called the Pavement Renewal Score and Resealing Score.

11.4 Determine the Life Cycles of the Asset and Intervention Point.

See Section 7, 8 and 9 for how life cycles are calculated.

11.5 Determine the Current Replacement Cost (CRC) and Renewal Costs.

The Current Replacement Cost is the cost of replacing an asset with a new asset of a similar size and function. In essence, for sealed roads this is the cost of renewing the pavement and adding a 2 coat bitumen spray seal. See Section 10 for estimated costs used in this manual.

11.6 Determine the Depreciated Replacement Cost (Fair Value).

As the Pavement Renewal Score and Resealing Score reflects the life left and the life used in an asset, it is also reflective of the value left in an asset. Hence, the Depreciated Replacement Cost is calculated by multiplying the relevant one of these scores (as a percentage) by the Current Replacement Cost.

11.7 Determine the Annual Depreciation

The Annual Depreciation is inherently the amount that needs to be spent each year, or set aside to ensure that enough funds are available for renewing the asset when due. Hence, it is merely calculated by dividing the Current Replacement Cost by the Intervention Life. This also represents the dollar figure of how much an asset is depreciating annually.

11.8 Determine the Accumulated Depreciation

The Accumulated Depreciation is calculated by multiplying the Annual Depreciation by the number of years that the asset has been in service.

12.0 ESTIMATED COSTS

12.1 Bitumen Sealing

The tables below outlines the how the cost of a 2 coat and single coat seal was estimated. This is based on sealing works carried out in 2018 on Great Central Road by Main Roads Western Australia. CPI was used to bring the costs from 2018 to 2022 prices. The costs were also increased by a factor of 155% as this is how much further Warburton is from Kalgoorlie as compared to Laverton.

Project 1 - 2 Coat Seal				
Item	Unit	Quantity	Rate	Amount
1st Coat primer seal using C170 bitumen @ 1.6L/m ²	m ²	88,062	\$ 3.54	\$ 311,739.48
14mm aggregate supply & delivery - Kalgoorlie to Warburton	m ²	88,062	\$ 2.10	\$ 184,983.17
Cost recovery for using 14mm aggregate ex Little Industries	m ²	88,062	\$ 0.54	\$ 47,553.48
2nd Coat primer seal using C170 bitumen @ 0.7L/m ²	m ²	88,062	\$ 1.12	\$ 98,629.44
7mm aggregate supply & delivery - Kalgoorlie to Warburton	m ²	88,062	\$ 1.66	\$ 146,616.29
Cost recovery for using 7mm aggregate ex Little Industries	m ²	88,062	\$ 0.53	\$ 46,672.86
Additional Product used above quoted binder application rates	Litre	7,952	\$ 1.11	\$ 8,826.72
Mobilisation & Demobilisation	per visit	1	\$ 24,896.02	\$ 24,896.02
Induction/medical requirements	day	1	\$ 12,850.00	\$ 6,425.00
Total				\$ 876,342.46
CPI				25%
Cost per m² 2 Coat Spray Seal				\$ 12.44
Project 2 - 2 Coat Seal				
Item	Unit	Quantity	Rate	Amount
1st Coat primer seal using C170 bitumen @ 1.6L/m ²	m ²	74,400	\$ 3.54	\$ 263,376.00
14mm aggregate supply & delivery	m ²	74,400	\$ 2.10	\$ 156,284.76
Cost recovery for using 14mm aggregate (reduced rate for Lot 3, 2 and 1)	m ²	74,400	\$ 0.45	\$ 33,480.00
2nd Coat primer seal using C170 bitumen @ 0.7L/m ²	m ²	74,400	\$ 1.12	\$ 83,328.00
7mm aggregate supply & delivery	m ²	74,400	\$ 1.07	\$ 79,608.00
Cost recovery for using 7mm aggregate (reduced rate for Lot 3, 2 and 1)	m ²	74,400	\$ 0.42	\$ 31,248.00

Additional Product used above quoted binder application rates	L	11,160	\$ 1.11	\$ 12,387.60
Cost recovery for increase in binder price - as agreed	per visit	178,634	\$ 0.16	\$ 28,581.44
Mobilisation & Demobilisation	per visit	1	\$ 24,896.02	\$ 24,896.02
Standby on 15/5	day	1	\$ 12,850.00	\$ 12,850.00
Total				\$ 726,039.81
CPI				25%
Cost per m2				\$ 12.20
Total Cost Project 1 & 2				\$1,602,382.28
Average Cost per m2 used for double coat seals				\$ 12.32
Single Coat Reseal				
Item	Unit	Quantity	Rate	Amount
1st Coat primer seal using C170 bitumen @ 1.6L/m2	m2	88,062	\$ 3.54	\$ 311,739.48
14mm aggregate supply & delivery - Kalgoorlie to Warburton	m2	88,062	\$ 2.10	\$ 184,983.17
Cost recovery for using 14mm aggregate ex Little Industries	m2	88,062	\$ 0.54	\$ 47,553.48
Additional Product used above quoted binder application rates	Litre	7,952	\$ 1.11	\$ 8,826.72
Mobilisation & Demobilisation	per visit	1	\$ 24,896.02	\$ 24,896.02
Induction/medical requirements	day	1	\$ 12,850.00	\$ 6,425.00
Total				\$584,423.87
CPI				25%
Cost per m2 Single Coat Spray Seal				\$ 10.33

12.2 Pavement Renewal

It is the Shire of Ngaanyatjaraku's practice to renew sealed road pavements by applying a 200mm gravel overlay, binding this to the existing pavement and applying a 2 coat bitumen seal. Whilst there have not been any pavement renewals carried out in recent years, there have been many 200mm gravel resheeting projects. The average cost of 3 of these gravel resheets together with the cost of a 2 coat bitumen seal, as shown above have been used to estimate the cost of undertaking a sealed road pavement renewal, as shown below:

Road Name	Length (Km)	Area (M2)	Scope Of Works	Expenditure	Cost Per Sq.m
Outback Way	9.00	90,000	200mm Gravel Overlay	\$ 954,858.70	\$ 10.61
Third Street	0.74	5,920	200mm Gravel Overlay	\$ 101,488.00	\$ 17.14
Wanarn Road	5.20	41,600	200mm Gravel Overlay	\$ 389,368.72	\$ 9.36
Totals / Average	14.94	137,520		\$ 1,445,715.42	\$ 13.14
2 Coat Reseal Cost Per M²				\$ 12.32	
Total 200mm Pavement Renewal Cost					\$ 25.46

13.0 PROGRAM DEVELOPMENT

The data and information collected in the previous sections is then used to develop a resealing and pavement renewal program.

13.1 Road Asset Inventory

The road to developing a works program commences with knowledge of the actual road network and its attributes. The sealed roads network is provided in Appendix 1.

13.2 Road Hierarchy

In developing a works program it is necessary to split the sealed road network into a functional road hierarchy that is reflective of the level of use of a road and its strategic importance. The rationale behind this is provided in Section 5.2 and the assigned hierarchy classifications are provided in Appendix 1.

13.3 Levels of Service

Once the asset details and hierarchy classifications are deciphered, the levels of service can be assigned to each road, for each activity, based on the function of the road as shown in Section 5.3.

13.4 Prioritisation of Works

Due to the aim of maintaining an acceptable sealed road network, pavement renewal and resealing are prioritised to ensure that the road in highest need is undertaken first.

13.4.1 Pavement Renewal Prioritisation

The pavement renewal score (Section 7.2) is used to prioritise identified pavement renewal works.

13.4.2 Resealing Prioritisation

The resealing score (Section 7.3) is used to prioritise identified resealing works.

13.5 Year of Pavement Renewal / Reseal

The year that a sealed road needs pavement renewal or resealing is then estimated as follows. As the Pavement Renewal and Resealing Scores are essentially the condition of an asset, given as a percentage of new, it is also representative of the remaining life in an asset.

Hence, if a section of sealed road has a Pavement Renewal Score of 65%, it has 65% of the Intervention Life remaining until its pavement needs to be renewed.

Using the Intervention Life of 38 years, together with the Pavement Renewal Score of 65% equates to 25 years until the relevant section of the sealed road needs its pavement to be renewed.

Once this is calculated then it is merely a matter of adding these 25 years to the year that the assessment is carried out. For example, if the condition assessment year was 2021, then the year when the section of sealed road will next need to have pavement renewal works is estimated to be 2046.

13.6 Program Adjustments

Once the year of next pavement renewal or resealing works is estimated for each section of a road, the road in its entirety is then viewed from the perspective of how each section aligns with the other sections of the road. Adjustments may be then made to ensure that adjacent sections align to maximise cost effectiveness through economies of scale. Sections of a road may also be adjusted so that works continue in consecutive years.

Every attempt has also been made to ensure that funding has been spread throughout the Shire such that as many communities as possible enjoy the benefits of the works.

14.0 SUMMARY

14.1 Pavement Renewal Program

In order to renew the pavements of all sealed roads within the Shire, once in their intervention life and thus keep the sealed roads in their existing condition an annual budget of \$ 252,574 is required.

14.2 Resealing Program

In order to reseal all sealed roads in line with the previously mentioned levels of service and thus keep the sealed roads in their existing condition an annual budget of \$ 100,022.05 is required.

14.3 Condition

The condition charts provided in Appendix 4 show that if no works were carried out the entire sealed road network would need to be reconstructed in 42 years. The cost of this in today's dollars would be about \$16,000,000. Similarly, if the current expenditure was maintained, there would be a back log in the order of \$16,000,000. This gives insight into the burden that may be placed on future generations.

Whereas by spending about \$350,000 per year, the sealed roads will remain in a condition between 50 – 90% of new, and they will continue to provide their intended service and function.

APPENDIX 1 ROAD INVENTORY AND HIERACHY CLASSES

Road Name	Community	Hierarchy Class	SLK Start	SLK End	Length (m)
BC Main Access Road	Mantamaru	Local Access Road	0	1920	1920
BC Ponds Road	Mantamaru	Local Access Road	0	180	180
Karli Street	Mantamaru	Local Access Road	0	152	152
Kurrparu Loop	Mantamaru	Local Access Road	0	515	515
Kurtilyirri Loop	Mantamaru	Local Access Road	0	422	422
Tjuta Street (A)	Mantamaru	Local Access Road	0	138	138
Tjuta Street (B)	Mantamaru	Local Access Road	0	113	113
Unknown 4 Street	Mantamaru	Local Access Road	0	110	110
Hann Street	Papulankutja	Local Access Road	0	191	191
Match Hill Street	Papulankutja	Local Access Road	0	132	132
Morgan Close	Papulankutja	Local Access Road	0	123	123
Osborne Street	Papulankutja	Local Access Road	0	366	366
Oval Street	Papulankutja	Local Access Road	0	278	278
Papulankutja Road	Papulankutja	Local Distributor Road	0	1450	1450
Pirru Street	Papulankutja	Local Access Road	0	106	106
Range Street	Papulankutja	Local Access Road	0	249	249
Station Circuit	Papulankutja	Local Access Road	0	96	96
Tjawupalya Street	Papulankutja	Local Access Road	0	116	116
Workshop Road	Papulankutja	Local Access Road	0	631	631
Yungal Street	Papulankutja	Local Access Road	0	300	300
Great Central Road	Various	Regional Distributor Road	77410	103930	26520
Third Street	Warburton	Local Access Road	920	1170	250
Fourth Street	Warburton	Local Access Road	0	650	650
Fifth Street	Warburton	Local Access Road	0	690	690
Sixth Street	Warburton	Local Access Road	0	460	460
Ninth Street	Warburton	Local Access Road	0	210	210
Eighteenth Street	Warburton	Local Access Road	0	180	180
Tenth Street	Warburton	Local Access Road	0	510	510
Eleventh Street	Warburton	Local Access Road	0	290	290
Twelfth Street	Warburton	Local Access Road	0	100	100
Thirteenth Street	Warburton	Local Access Road	0	160	160
Fourteenth Street	Warburton	Local Access Road	0	100	100
Fifteenth Street	Warburton	Local Access Road	0	430	430
Sixteenth Street	Warburton	Local Access Road	0	90	90
BC Bottom Street	Warburton	Local Access Road	0	360	360
BC Long Street	Warburton	Local Access Road	0	630	630
BC No 1 Street	Warburton	Local Access Road	0	110	110
BC No 2 Street	Warburton	Local Access Road	0	110	110
BC No 3 Street	Warburton	Local Access Road	0	130	130
BC No 4 Street	Warburton	Local Access Road	0	120	120
BC No 5 Street	Warburton	Local Access Road	0	130	130
BC No 6 Street	Warburton	Local Access Road	0	90	90
BC Pool Street	Warburton	Local Access Road	0	280	280
BC South Street	Warburton	Local Access Road	0	250	250
BC Workshop Road	Warburton	Local Access Road	0	290	290
Seventeenth Street	Warburton	Local Access Road	0	190	190
Nineteenth Street	Warburton	Local Access Road	0	180	180
MC20 - Twentyfirst Street	Warburton	Local Access Road	0	90	90
Motel Street	Warburton	Local Access Road	150	460	460
Second Street	Warakurna	Local Access Road	0	81	81
Third Street	Warakurna	Local Access Road	0	290	290
Fifth Street	Warakurna	Local Access Road	0	113	113
Sixth Street	Warakurna	Local Access Road	0	487	487
Tenth Street	Warakurna	Local Access Road	0	133	133
Eleventh Street	Warakurna	Local Access Road	0	160	160
Thirteenth Street	Warakurna	Local Access Road	0	169	169
Fifteenth Street	Warakurna	Local Access Road	0	150	150
Sixteenth Street	Warakurna	Local Access Road	0	89	59
Seventeenth Street	Warakurna	Local Access Road	0	530	530
Unknown 2	Warakurna	Local Access Road	0	85	85
Unknown 3	Warakurna	Local Access Road	0	86	86
Unknown 4	Warakurna	Local Access Road	0	40	40
Unknown 5	Warakurna	Local Access Road	0	325	325
Total					44996

APPENDIX 2 PAVEMENT RENEWAL PROGRAM

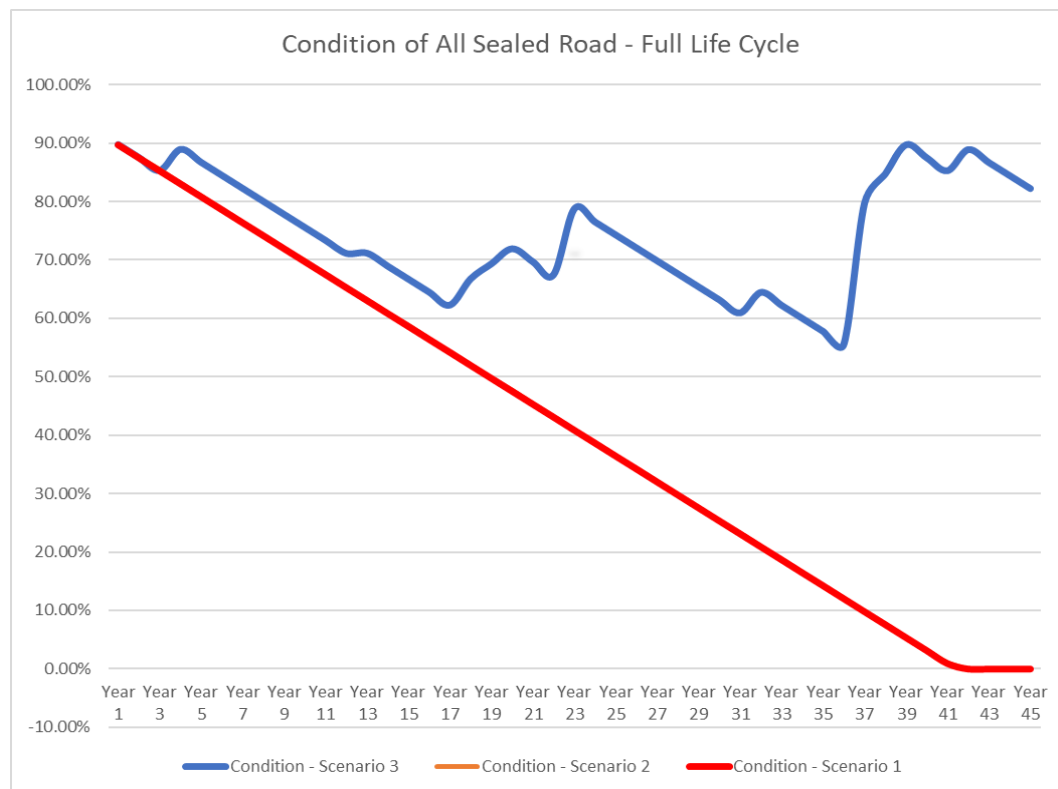
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APPENDIX 3 RESEALING PROGRAM

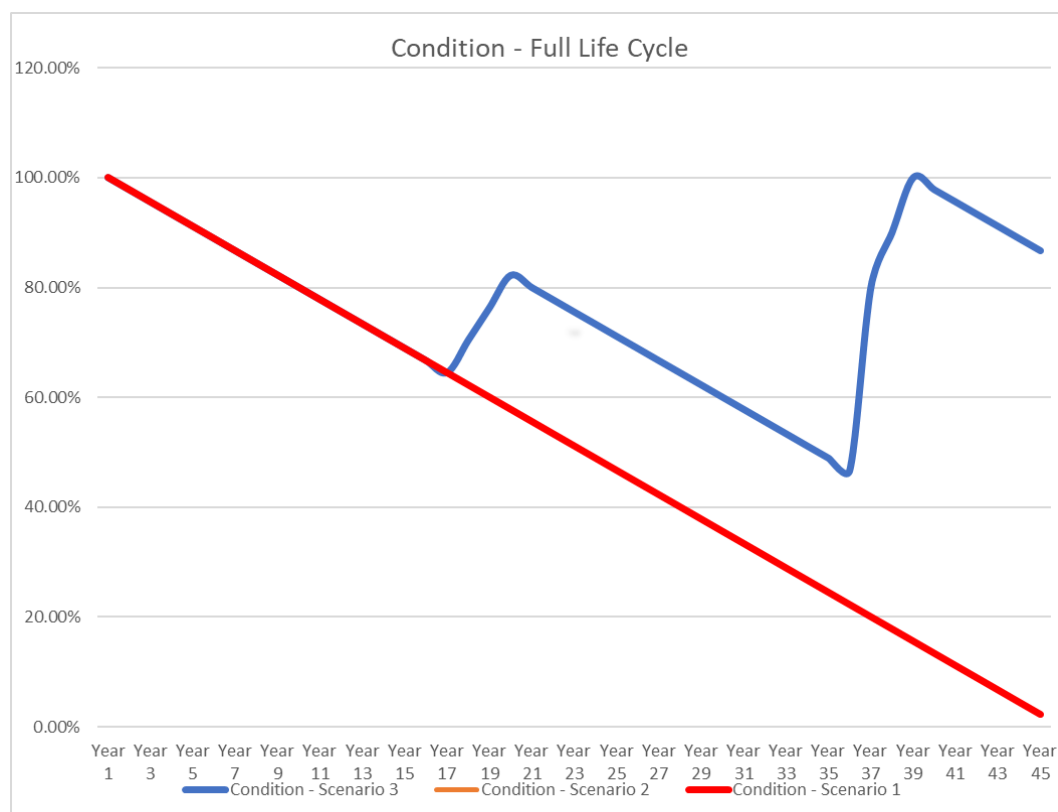
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APPENDIX 4 CONDITION OVER LIFE OF PROGRAM

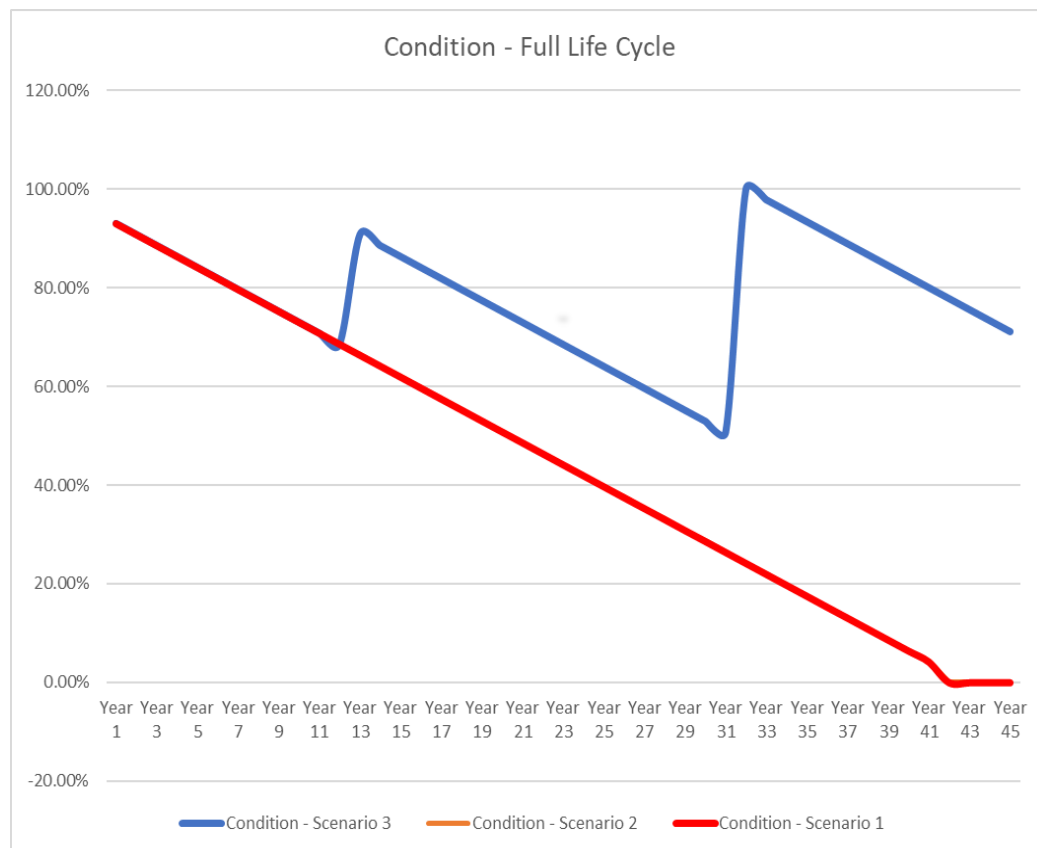
A4.1 ALL ROADS



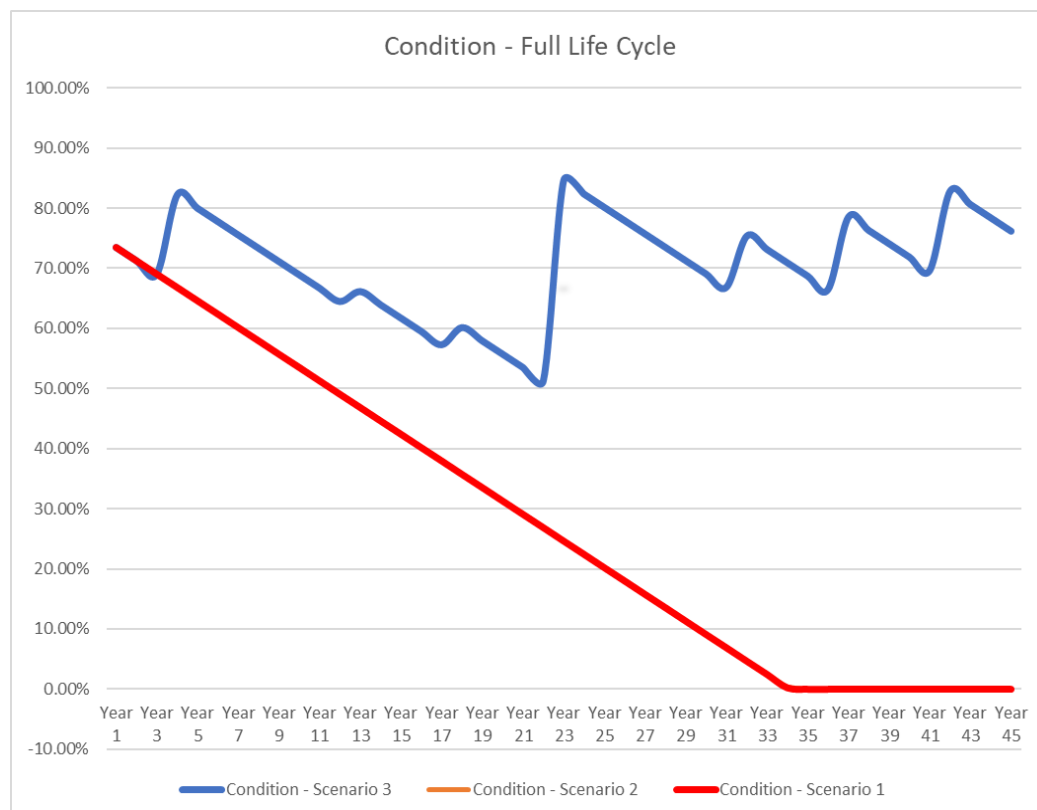
A4.2 REGIONAL DISTRIBUTOR ROADS



A4.3 LOCAL DISTRIBUTOR ROADS

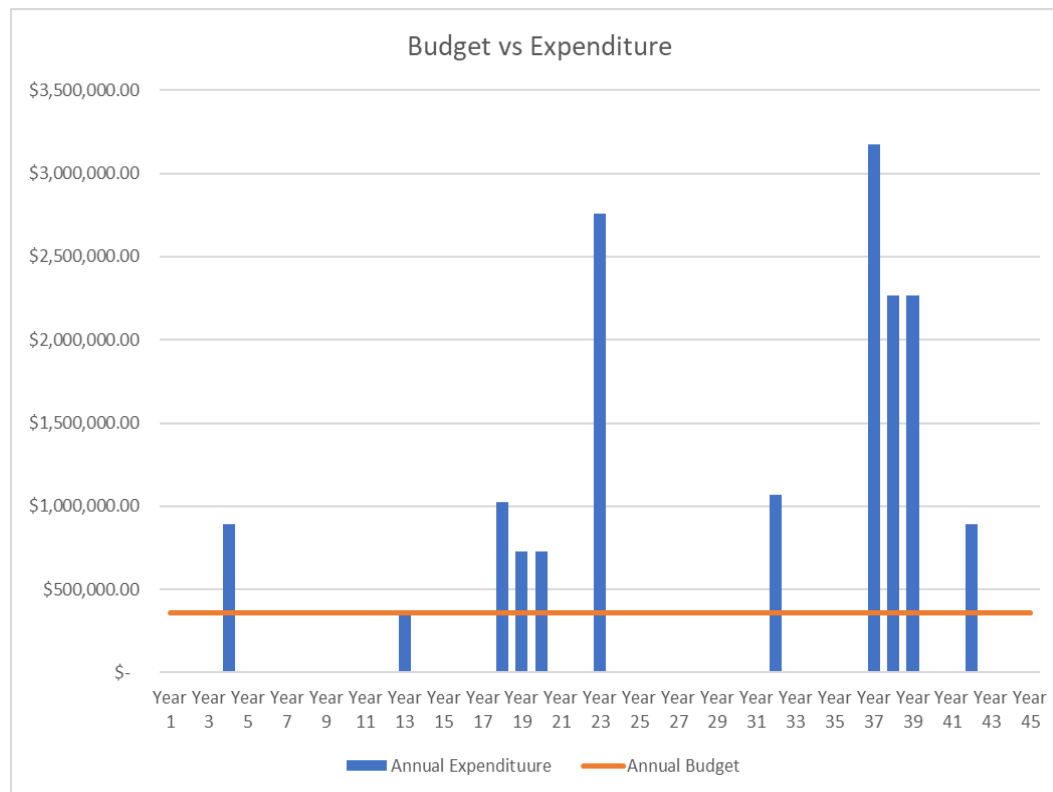


A4.4 LOCAL ACCESS ROADS

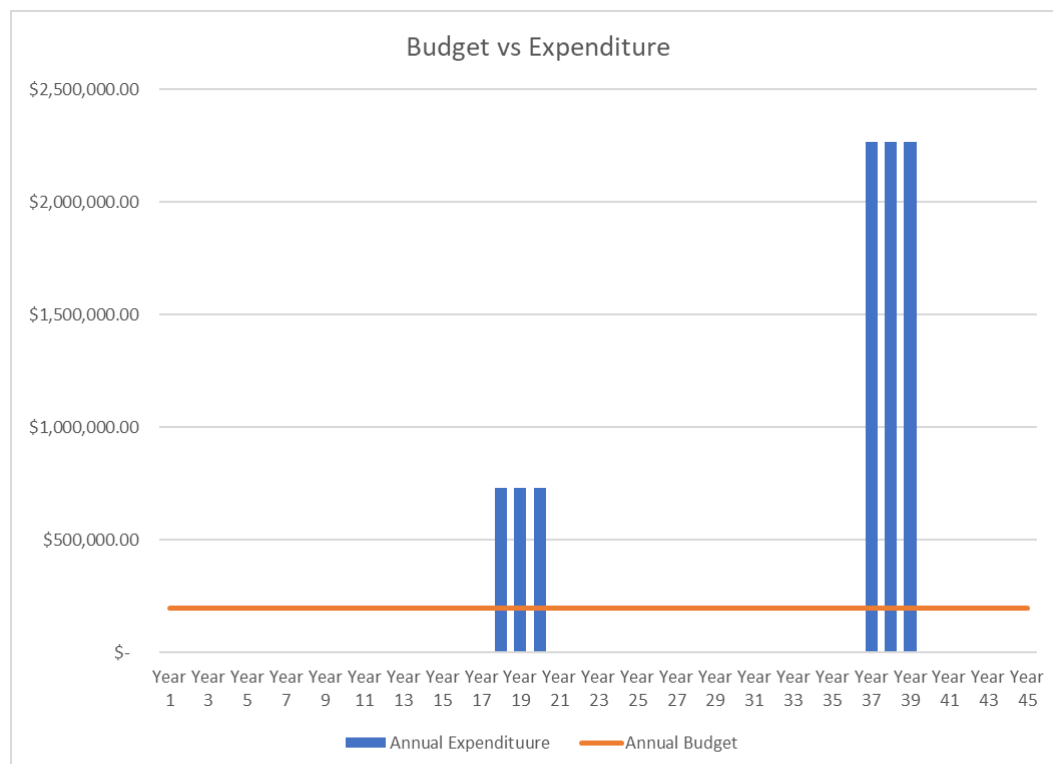


APPENDIX 5 ANNUAL EXPENDITURE VS BUDGET

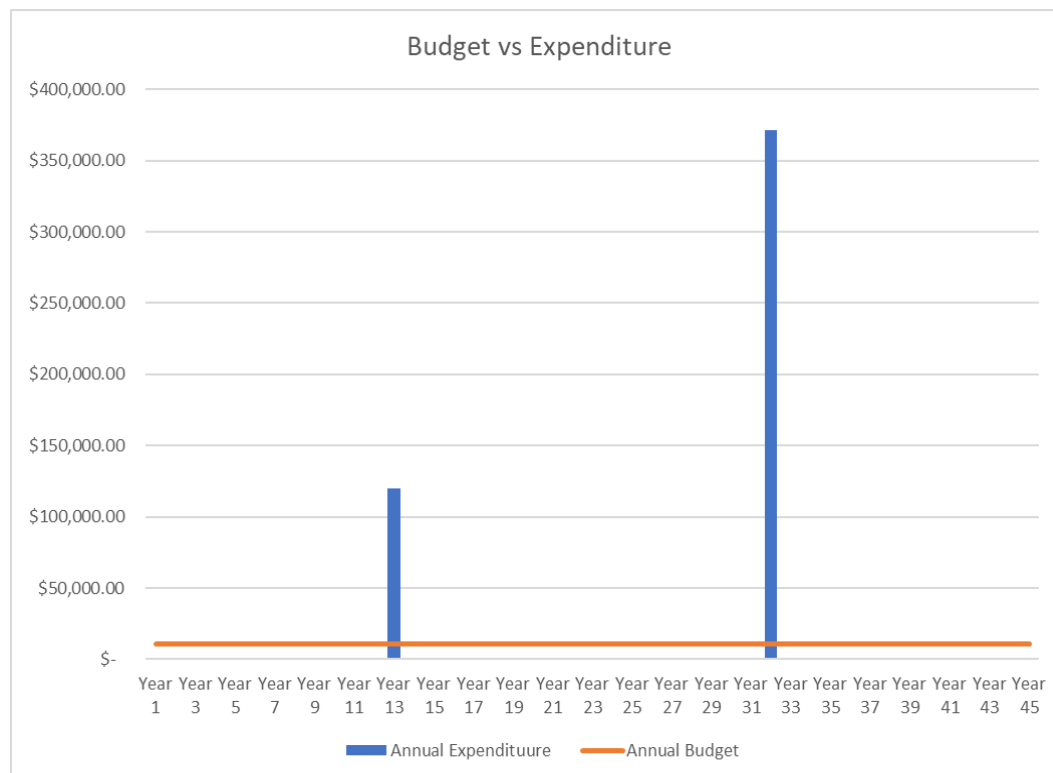
A5.1 ALL ROADS



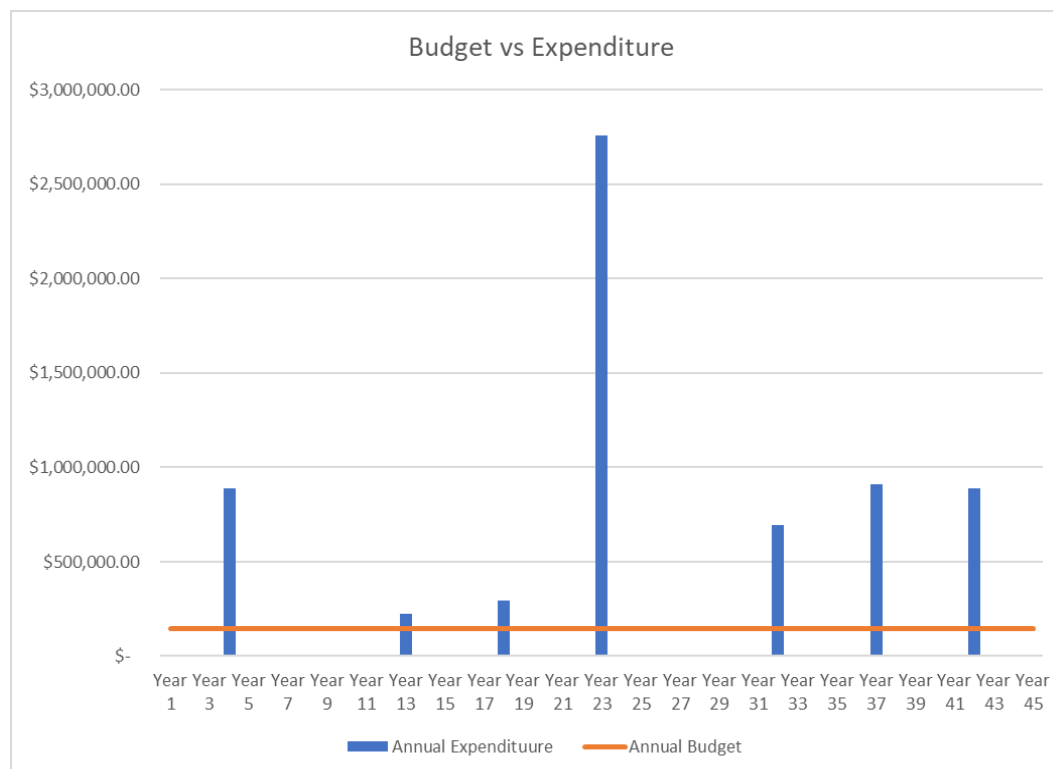
A5.2 REGIONAL DISTRIBUTOR ROADS



A5.3 LOCAL DISTRIBUTOR ROADS

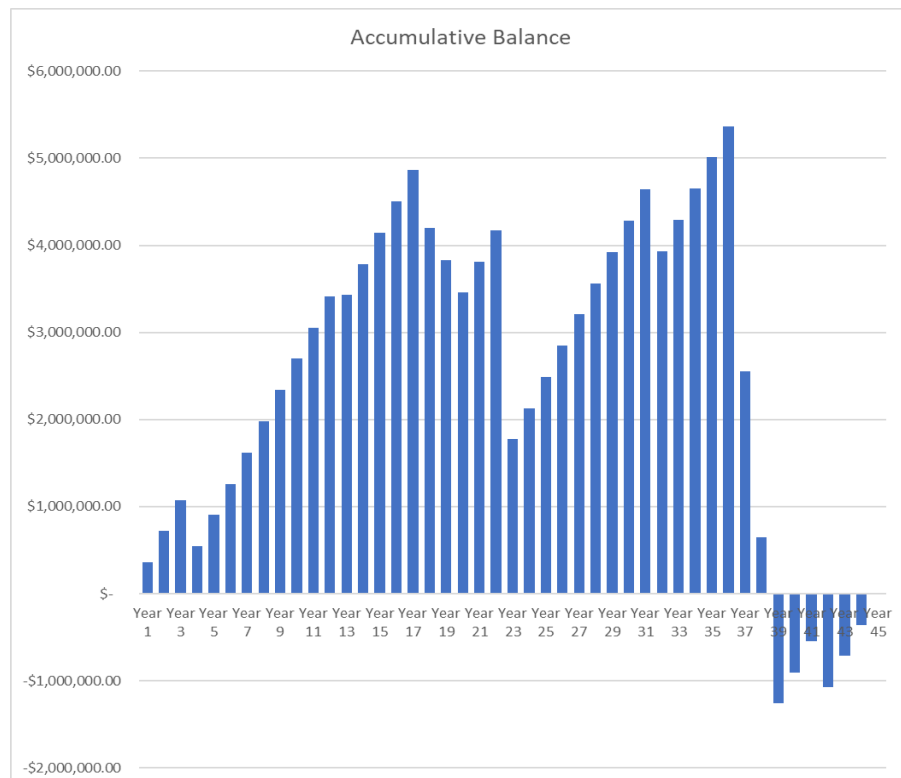


A5.4 LOCAL ACCESS ROADS

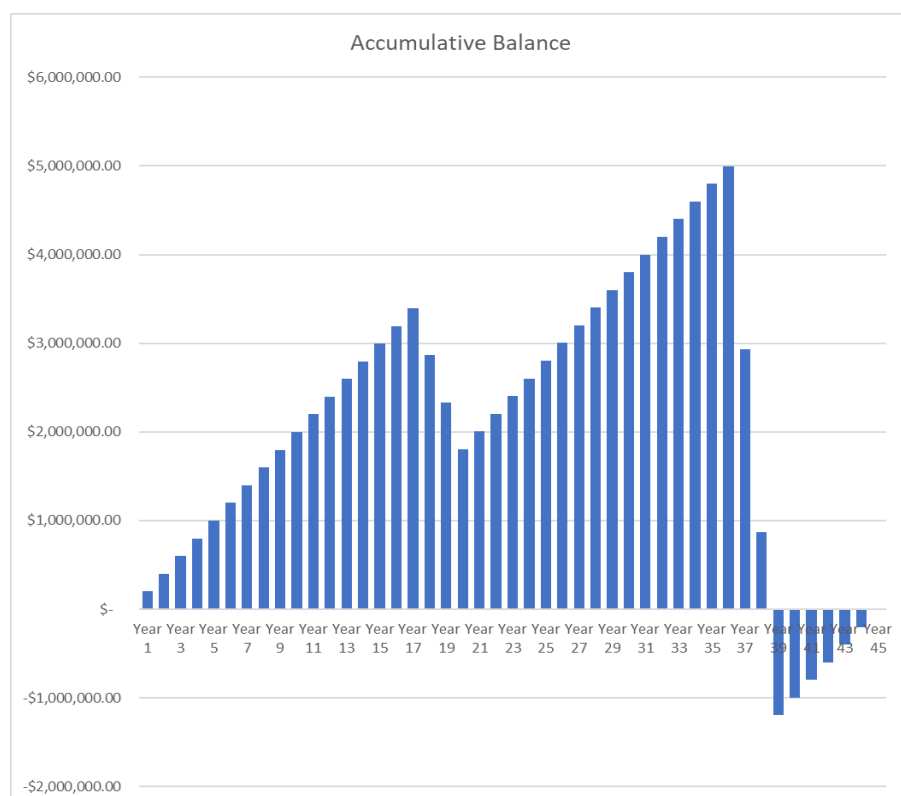


APPENDIX 6 ACCUMULATIVE BALANCES

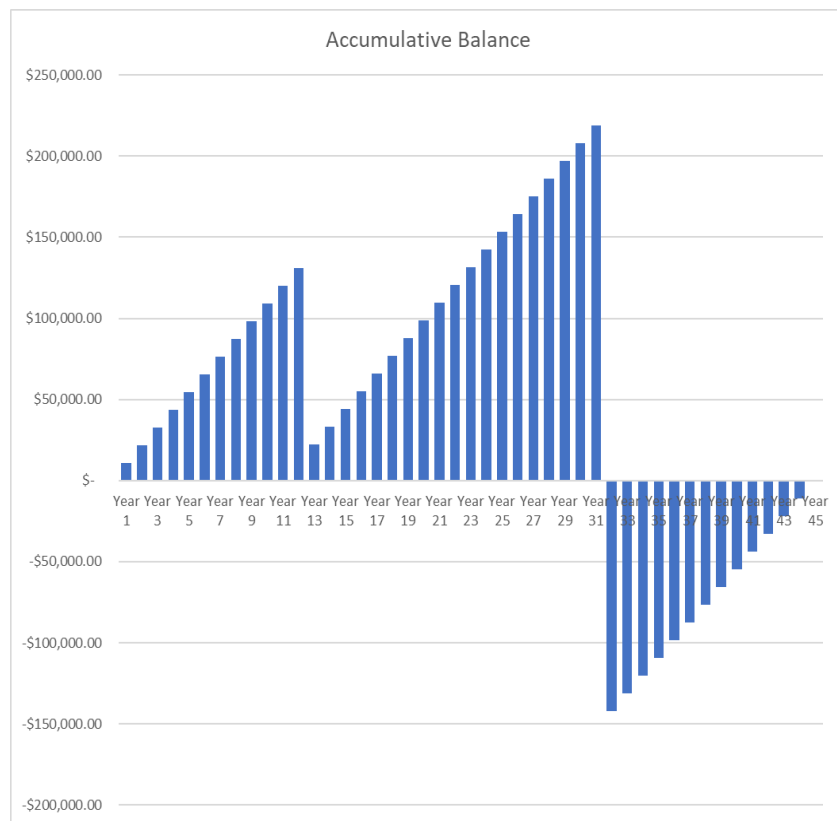
A6.1 ALL ROADS



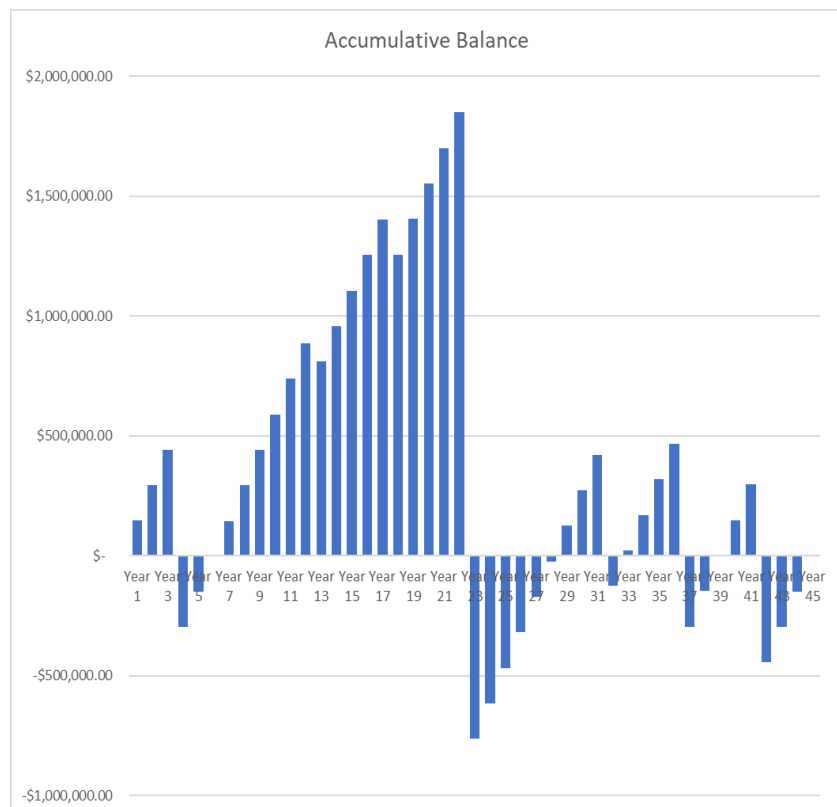
A6.2 REGIONAL DISTRIBUTOR ROADS



A6.3 LOCAL DISTRIBUTOR ROADS



A6.4 LOCAL ACCESS ROADS



APPENDIX 7 BACKLOG

A7.1 ALL ROADS

