

Attachment 1 – State of Assets Report 2024

The following pages provide the State of Assets Report (SOAR) 2024, including an overall summary page and one page for each of Saanich's nine asset types.

The information for the eight built asset types was taken from Saanich's new Asset Management (AM) Dashboard, and the information for the natural asset type was taken from the Natural Assets Inventory report.¹

Please note that the information presented is a snapshot of the asset data currently in Saanich's existing software systems as of December 31, 2024. Although there are some inconsistencies, it reflects the best available knowledge at the present time. Over time, as Saanich's AM maturity increases, the asset data is expected to become more accurate and more consistent.

¹ Natural Assets Initiative (NAI). (2024). *Toward natural asset management in the District of Saanich, British Columbia: Summary of inventory results and recommendations.*



Overall

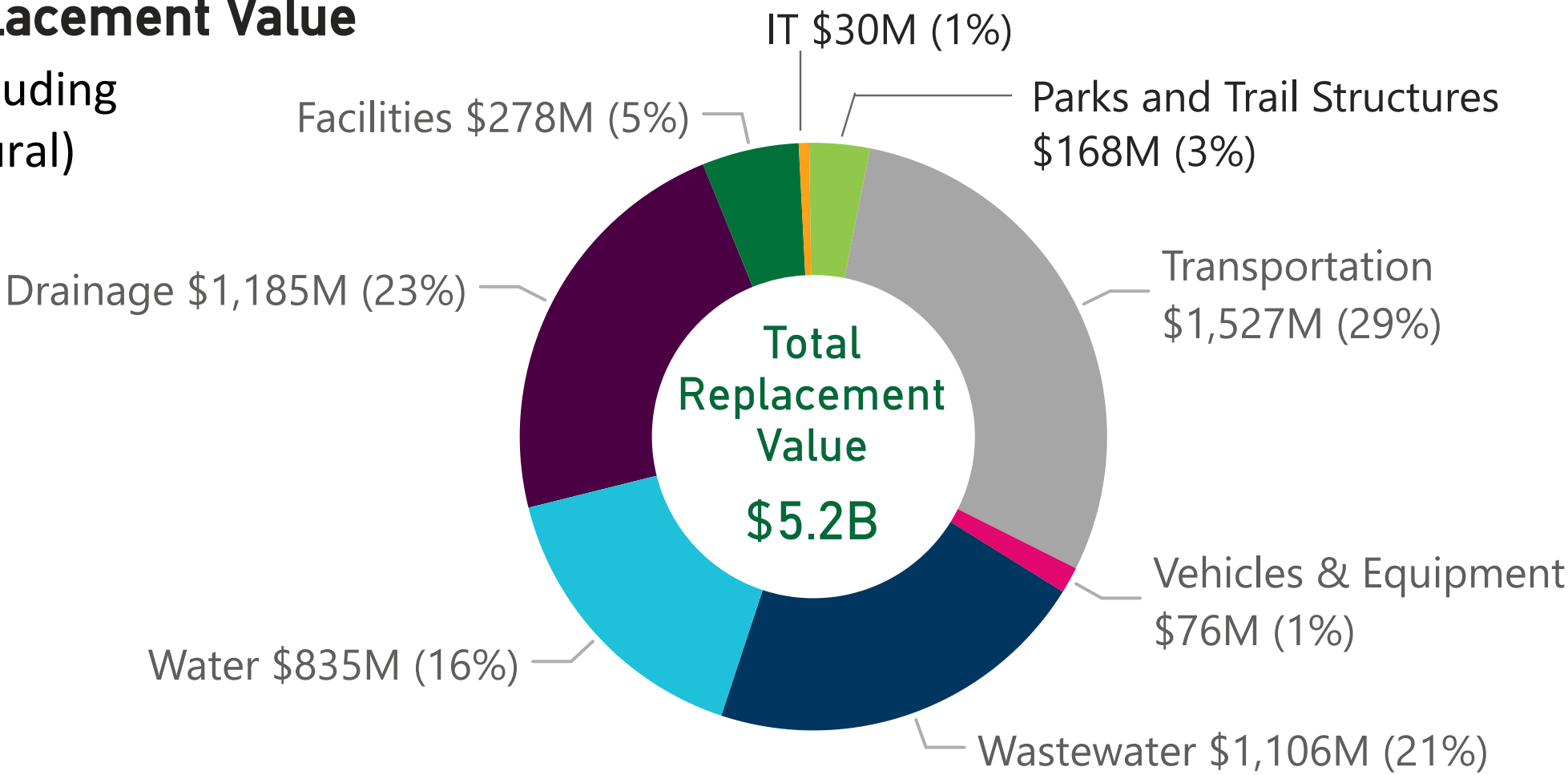
2024

Asset Groups

Asset Group	Average Age	Average Useful Life	Replacement Value	Target Annual Funding	Current Annual Funding
Drainage	40	78	\$1,185M	\$16.9M	\$8.3M
Facilities	45	73	\$278M	\$6.4M	\$5.4M
IT		10	\$30M	\$4.6M	\$3.0M
Parks and Trail Structures	32	37	\$173M	\$6.5M	\$4.0M
Transportation	49	90	\$1,527M	\$26.5M	\$10.4M
Vehicles & Equipment	10	12	\$76M	\$7.0M	\$3.2M
Wastewater	45	80	\$1,106M	\$15.8M	\$7.6M
Water	43	70	\$835M	\$13.2M	\$9.6M
Total	55	78	\$5,209M	\$97.0M	\$51.4M

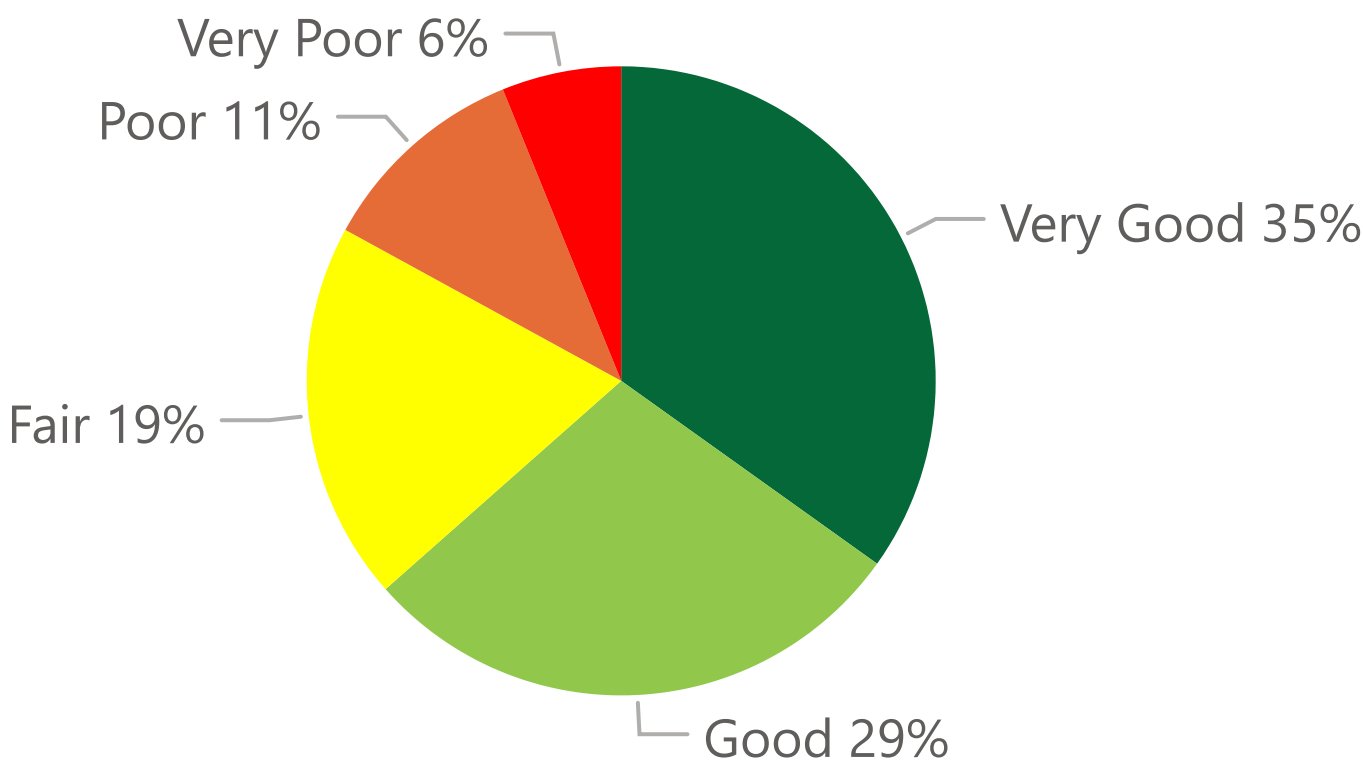
Replacement Value

(excluding Natural)

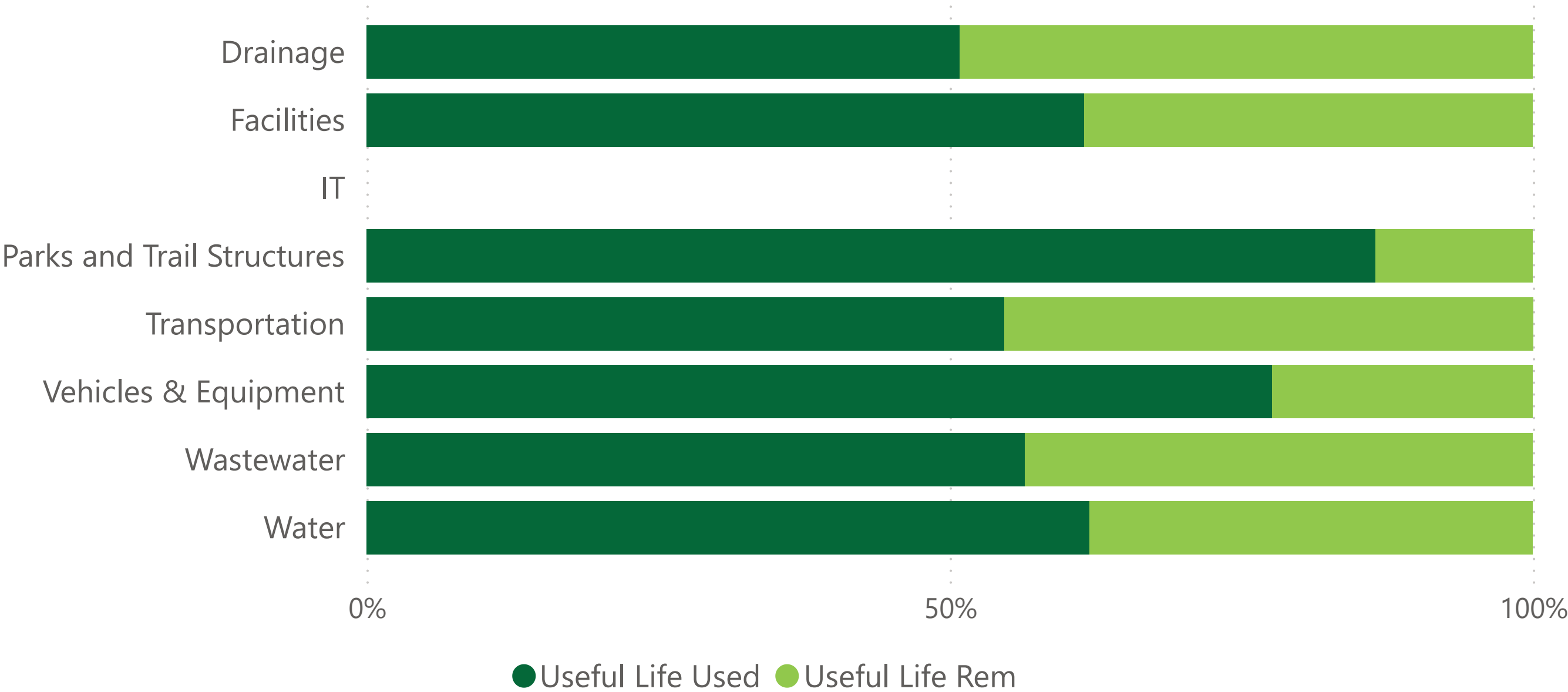


Physical Condition

(excluding Natural)



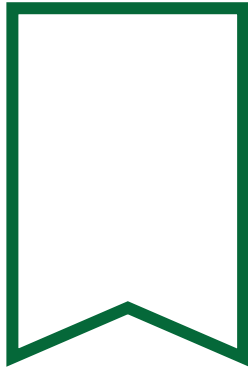
Remaining Useful Life



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Natural Assets





Drainage

2024



Asset Type

Drainage

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
Box Culvert	5	Km	43	95	\$38M	\$0.4M
Culvert	14	Km	37	67	\$23M	\$0.4M
Lateral	163	Km	39	56	\$229M	\$4.5M
Main	563	Km	40	84	\$895M	\$11.6M
Pump Station	1	Pump Station	31	20	\$1M	\$0.0M
Total	746		40	78	\$1,185M	\$16.9M

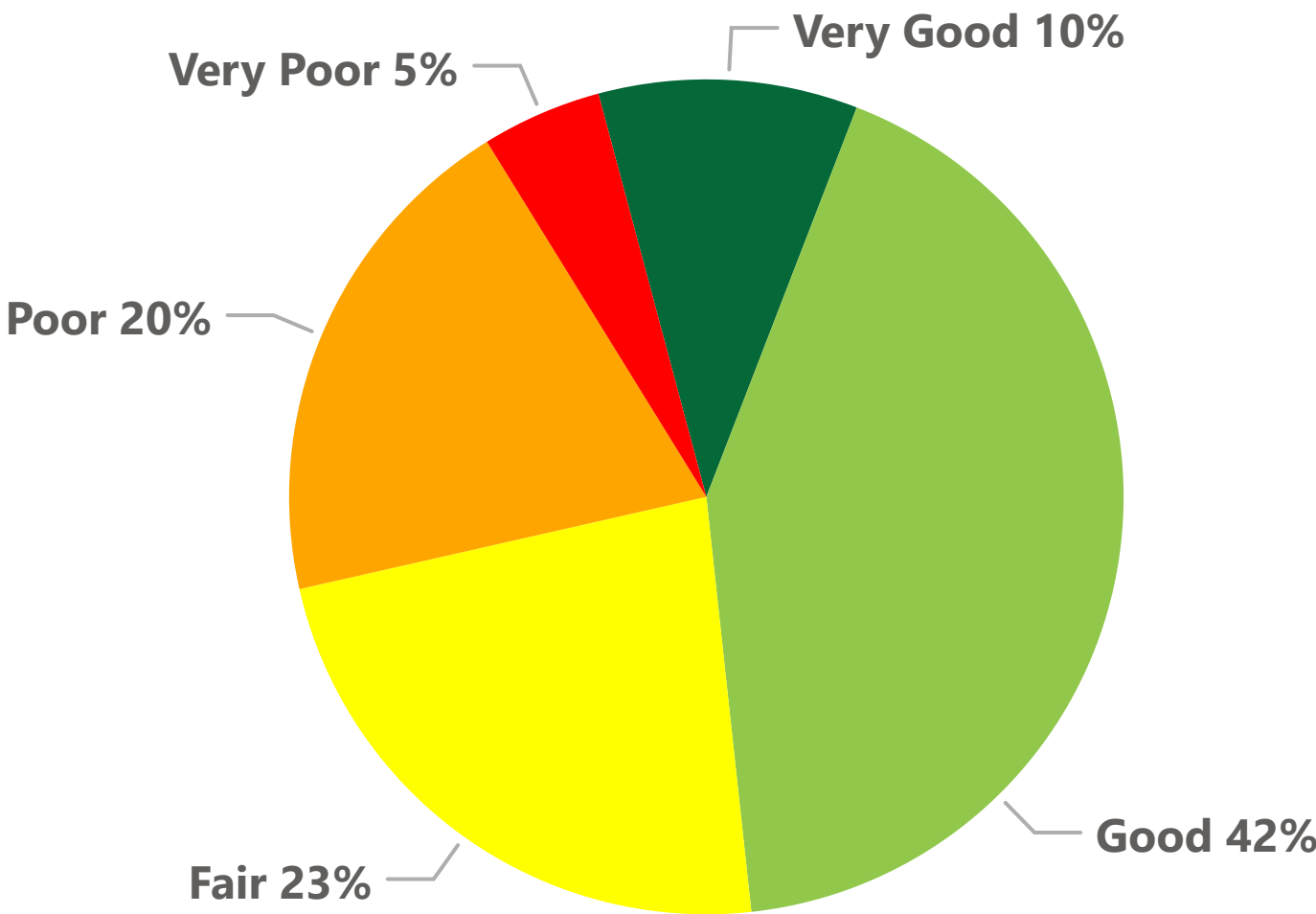
Replacement Value \$1,185M	Target Annual Funding \$16.9M	Current Annual Funding \$8.3M
Average Useful Life (years) 78	Backlog \$93M	Annual Funding Gap (%) 51

Risk of Asset Failure

		Impact					
Likelihood			Negligible	Minor	Moderate	Major	Catastrophic
		▼	1	2	3	4	5
	Almost Certain	5					
	Likely	4					
	Possible	3					
	Unlikely	2			\$1M		
	Rare	1					

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Physical Condition





Facilities

2024



Asset Type

Facilities

▼

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
▲						
Municipal Facility	74	Municipal Facility	45	73	\$278M	\$6.4M
Total	74		45	73	\$278M	\$6.4M

Replacement Value

\$278M

Target Annual Funding

\$6.4M

Current Annual Funding

\$5.4M

Average Useful Life (years)

73

Backlog

\$146M

Annual Funding Gap (%)

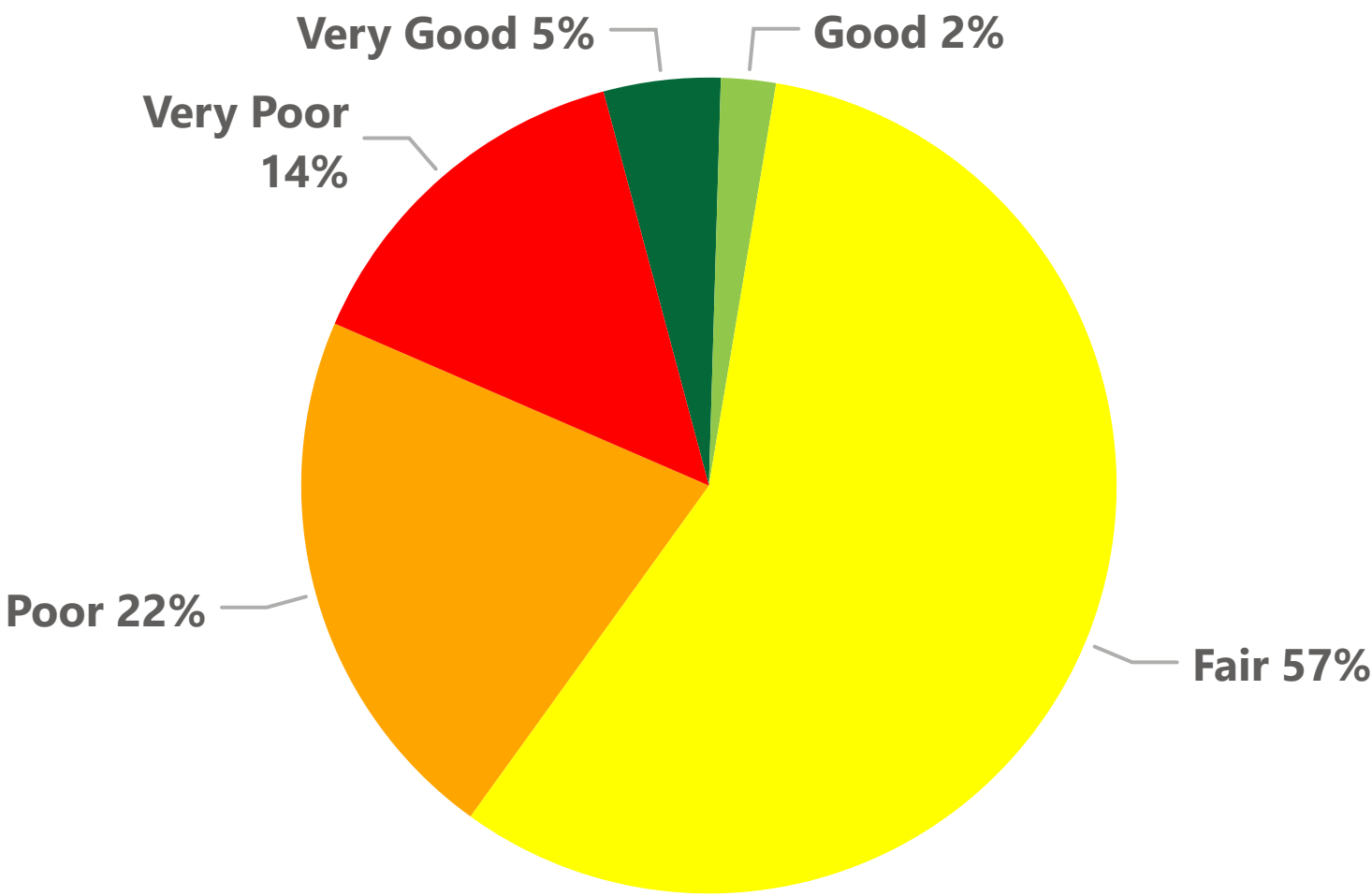
15

Risk of Asset Failure

		Impact				
Likelihood		Negligible	Minor	Moderate	Major	Catastrophic
	▼	1	2	3	4	5
	Almost Certain	5				
	Likely	4				
	Possible	3				
	Unlikely	2				
Rare	1					

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Physical Condition





Asset Type

IT

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

IT

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
Hardware				6	\$18M	\$3.4M
Software				15	\$13M	\$1.2M
Total				10	\$31M	\$4.6M

2024

Replacement Value \$31M	Target Annual Funding \$4.6M	Current Annual Funding \$3.0M
Average Useful Life (years) 10	Backlog - -	Annual Funding Gap (%) 34

Risk of Asset Failure

		Impact				
Likelihood		Negligible	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
	Almost Certain	5				
	Likely	4				
	Possible	3				
	Unlikely	2				
	Rare	1				

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Physical Condition



Asset Type

Natural

Natural

Natural Assets

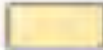








Services

General Government
Services, Parks Services,
Protective Services,
Recreation & Community
Services, Solid Waste
Services, Stormwater
Management Services,
Transportation Services,
Wastewater Collection
Services, Water Distribution
Services

General Government
Services, Parks Services,
Protective Services,
Recreation & Community
Services, Solid Waste
Services, Stormwater
Management Services,
Transportation Services,
Wastewater Collection
Services, Water Distribution
Services

Natural

Asset Group	Quantity
 Agriculture	910 ha
 Marine Shoreline	700 ha
 Non-forested Area	478 ha
 Riparian	207 ha
 Urban Forest	3,481 ha
 Waterbody and Watercourse	360 ha
 Wetland	239 ha
<hr/>	
Total	6,375 ha natural areas 377,712 individual trees 142 km watercourses

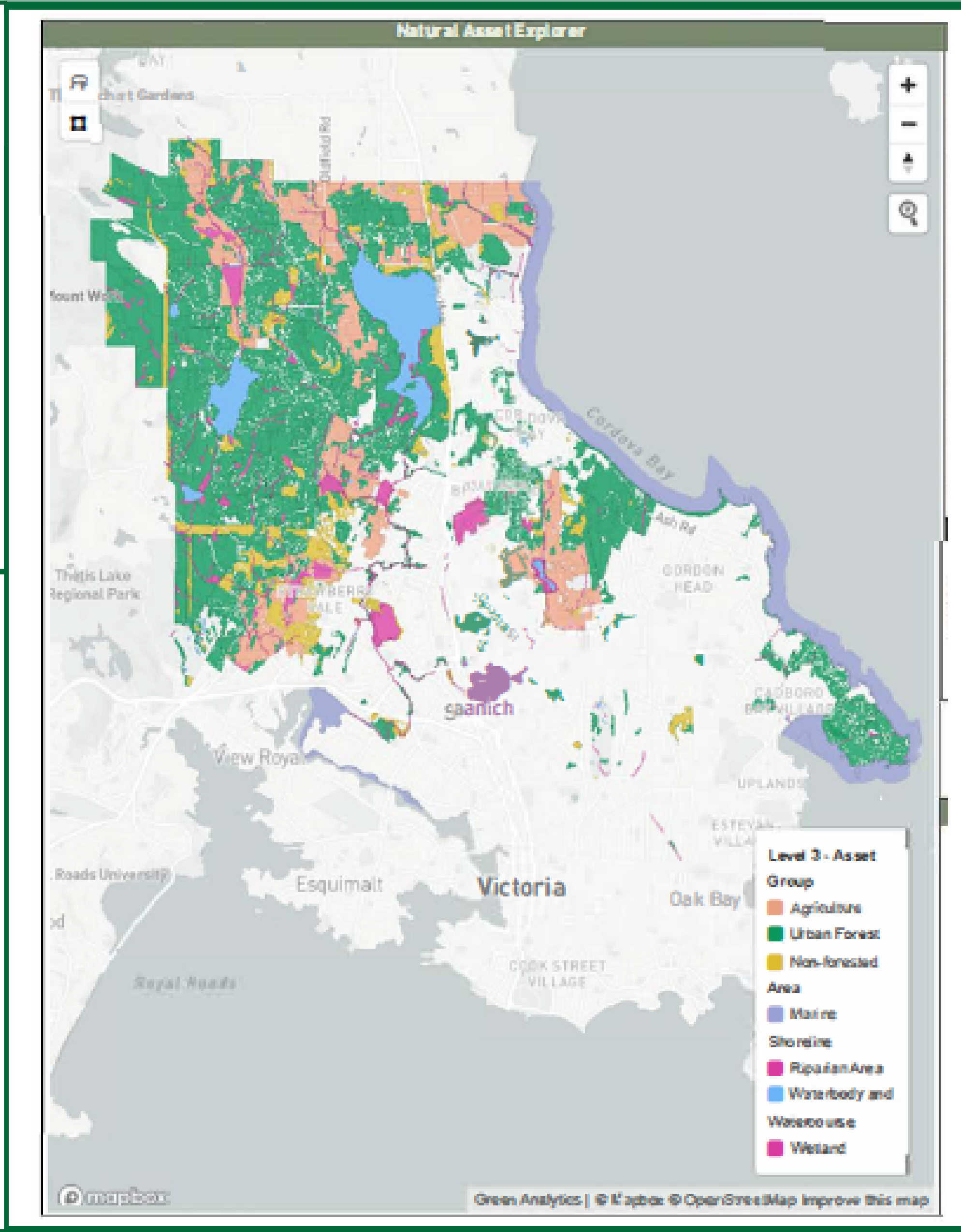
Total **6,375 ha natural areas**
 377,712 individual trees
 142 km watercourses

Preliminary Valuation

Asset Group	Replacement (Rehabilitation) Value	Annual Service Value (\$/year)
Agriculture	Future assessment	\$0.4 to \$4.9 million
Marine Shoreline	Future assessment	\$1.9 to \$7.4 million
Non-forested Area	\$0.1 to \$0.3 billion	\$1.5 to \$10.0 million
Riparian Area	Future assessment	\$0.3 to \$0.5 million
Urban Forest	\$0.9 billion to \$8.1 billion	\$15.9 to \$87.2 million
Waterbody & Watercourse	\$0.3 to \$0.7 billion	\$1.4 to \$4.6 million
Wetland	\$0.1 to \$0.3 billion	\$1.2 to \$18.5 million
Total	Range \$2 to \$10 billion	\$23 to \$133 million

Asset Group	Replacement (Rehabilitation) Value	Annual Service Value (\$/year)
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Waterbody & Watercourse	\$0.3 to \$0.7 billion	\$1.4 to \$4.6 million
Wetland	\$0.1 to \$0.3 billion	\$1.2 to \$18.5 million
Total	Range \$2 to \$10 billion	\$23 to \$133 million

2024





Parks and Trail Structures

2024



Asset Type

Parks and Trail Structures

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
▲						
Footbridge	97	Footbridge	23	21	\$16M	\$0.9M
Irrigation System	1559	Zone	12	20	\$5M	\$0.2M
Park Building	81	Park Building	49	67	\$35M	\$0.5M
Parking Lot	72	Parking Lot	32	35	\$11M	\$0.4M
Playground	56	Playground	14	20	\$12M	\$0.6M
Roads	3	Km	54	160	\$5M	\$0.0M
Sports Court	50	Court	30	20	\$23M	\$1.2M
Sports Field	56	Sports Field	31	28	\$48M	\$1.8M
Trail	124	Km	23	22	\$17M	\$0.9M
Total	2098		32	37	\$173M	\$6.5M

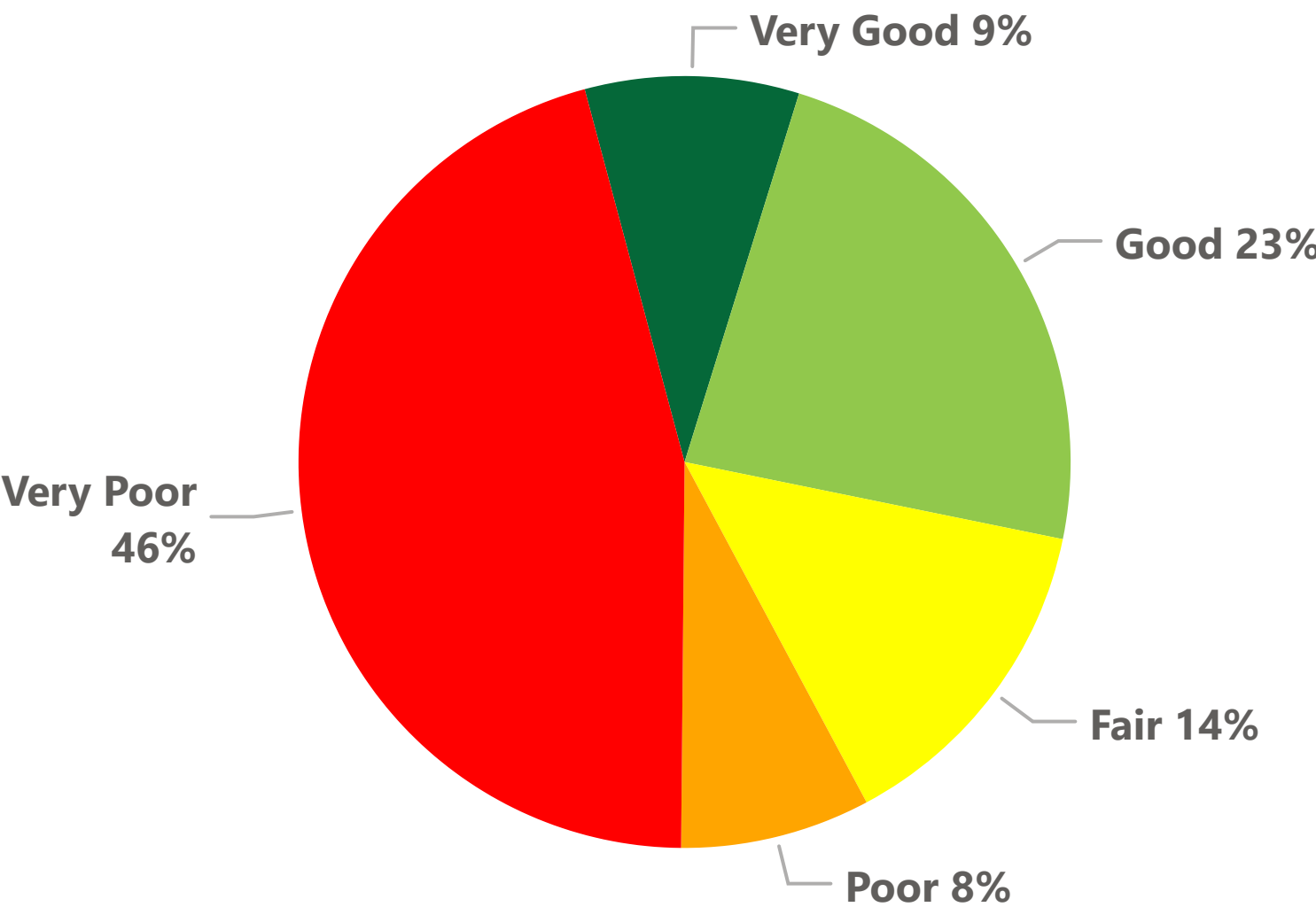
Risk of Asset Failure

		Impact				
		Negligible	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Likelihood	▼					
	Almost Certain 5					
	Likely 4					
	Possible 3					
	Unlikely 2					
	Rare 1					

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Replacement Value \$173M	Target Annual Funding \$6.5M	Current Annual Funding \$4.0M
Average Useful Life (years) 37	Backlog \$81M	Annual Funding Gap (%) 39

Physical Condition





Transportation

2024



Asset Type

Transportation

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
▲						
Bridge	37	Bridge	45	75	\$70M	\$0.9M
Bus Stop	222	Bus Stop	10	21	\$4M	\$0.2M
Controlled Crosswalk	106	Controlled Crosswalk	9	30	\$1M	\$0.0M
Pedestrian Signal	23	Pedestrian Signal	15	25	\$1M	\$0.0M
Road Base	567	Centreline Km	78	132	\$720M	\$5.9M
Road Surface	567	Centreline Km	18	43	\$451M	\$13.8M
Sidewalk	298	Km	27	72	\$222M	\$3.6M
Streetlight	9283	Streetlight	41	30	\$43M	\$1.4M
Traffic Signal	93	Traffic Signal	15	25	\$15M	\$0.6M
Total	11196		49	90	\$1,527M	\$26.5M

Replacement Value

\$1,527M

Target Annual Funding

\$26.5M

Current Annual Funding

\$10.4M

Average Useful Life (years)

90

Backlog

\$183M

Annual Funding Gap (%)

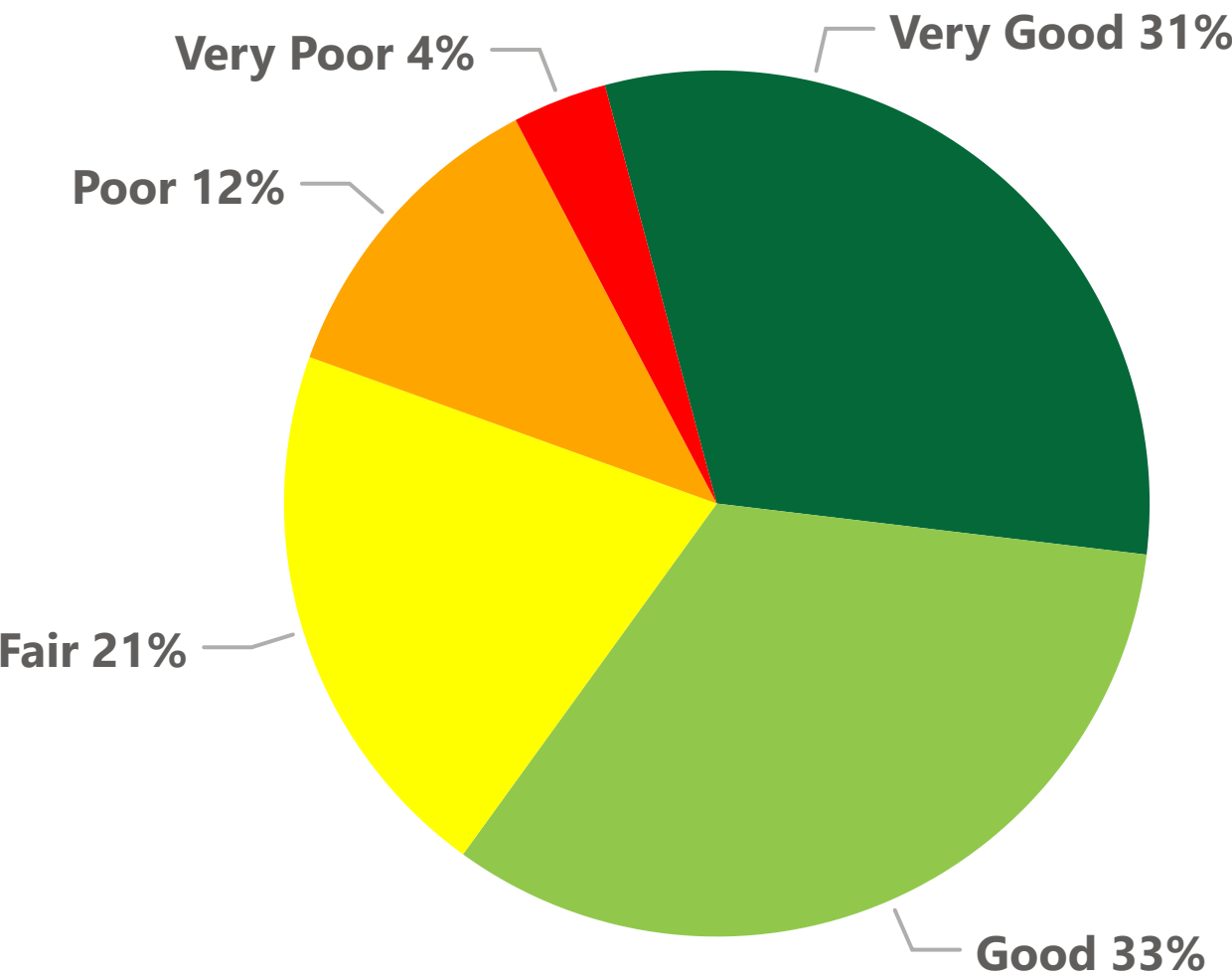
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Risk of Asset Failure

		Impact				
Likelihood		Negligible	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
	Almost Certain	5				
	Likely	4				
	Possible	3	\$29M			
	Unlikely	2		\$1M		
	Rare	1				

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Physical Condition





Vehicles & Equipment

2024



Asset Type

Vehicles & Equipment

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
Equipment	372	Unit	10	11	\$18M	\$1.9M
Vehicles - Fire	40	Unit	11	18	\$14M	\$0.9M
Vehicles - Fleet	277	Unit	10	12	\$38M	\$3.4M
Vehicles - Police	94	Unit	5	7	\$5M	\$0.8M
Total	783		10	12	\$76M	\$7.0M

Replacement Value

\$76M

Target Annual Funding

\$7.0M

Current Annual Funding

\$3.2M

Average Useful Life (years)

12

Backlog

\$22M

Annual Funding Gap (%)

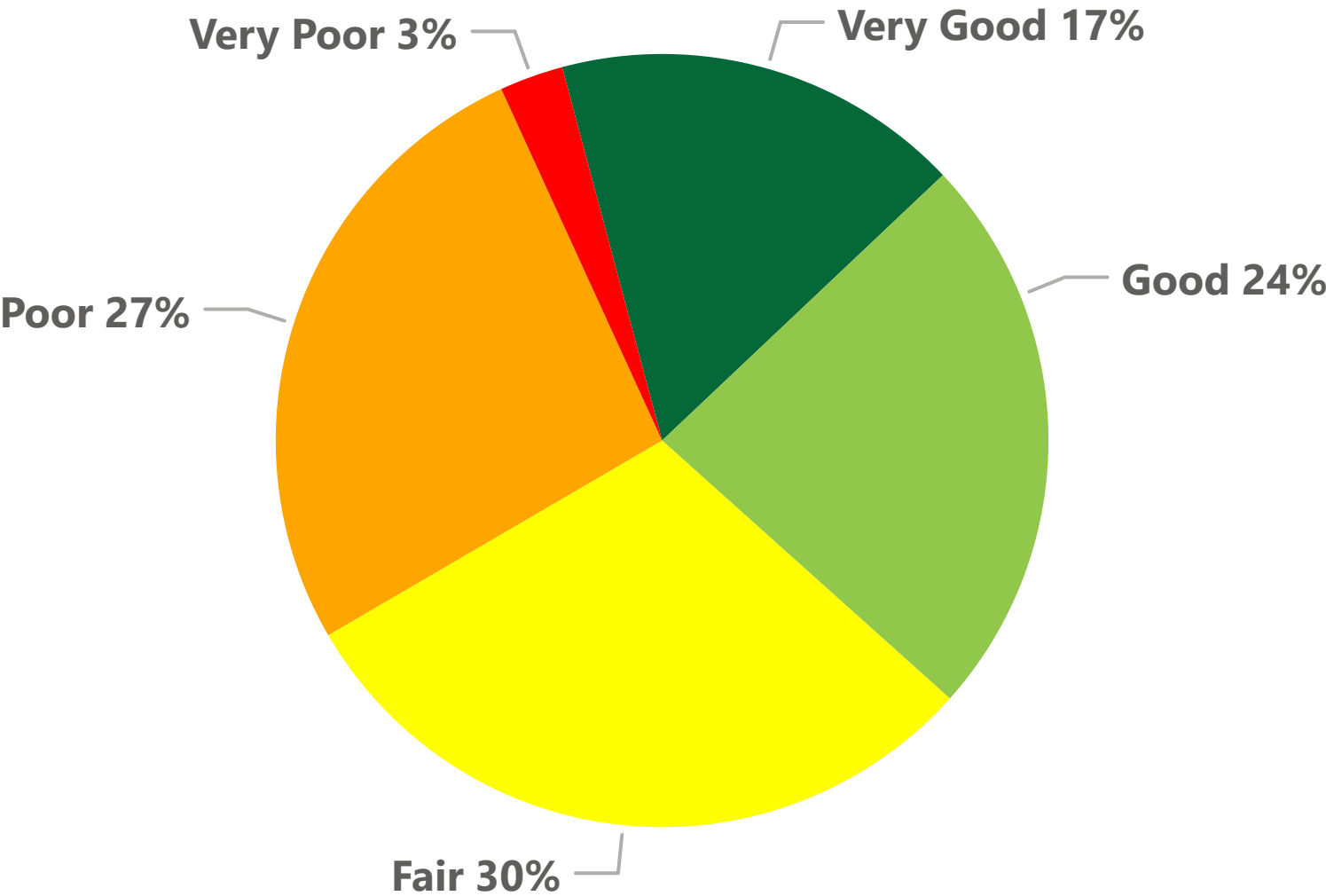
55

Risk of Asset Failure

		Impact				
Likelihood		Negligible	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
	Almost Certain	5				
	Likely	4				
	Possible	3				
	Unlikely	2				
Rare	1	\$3M		\$33M	\$4M	

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Physical Condition





Wastewater

2024



Asset Type

Wastewater

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
Force Main	20	Km	32	91	\$23M	\$0.3M
Gravity Main	555	Km	46	83	\$1,033M	\$13.1M
Pump Station	36	Pump Station	30	20	\$49M	\$2.5M
Total	611		45	80	\$1,106M	\$15.8M

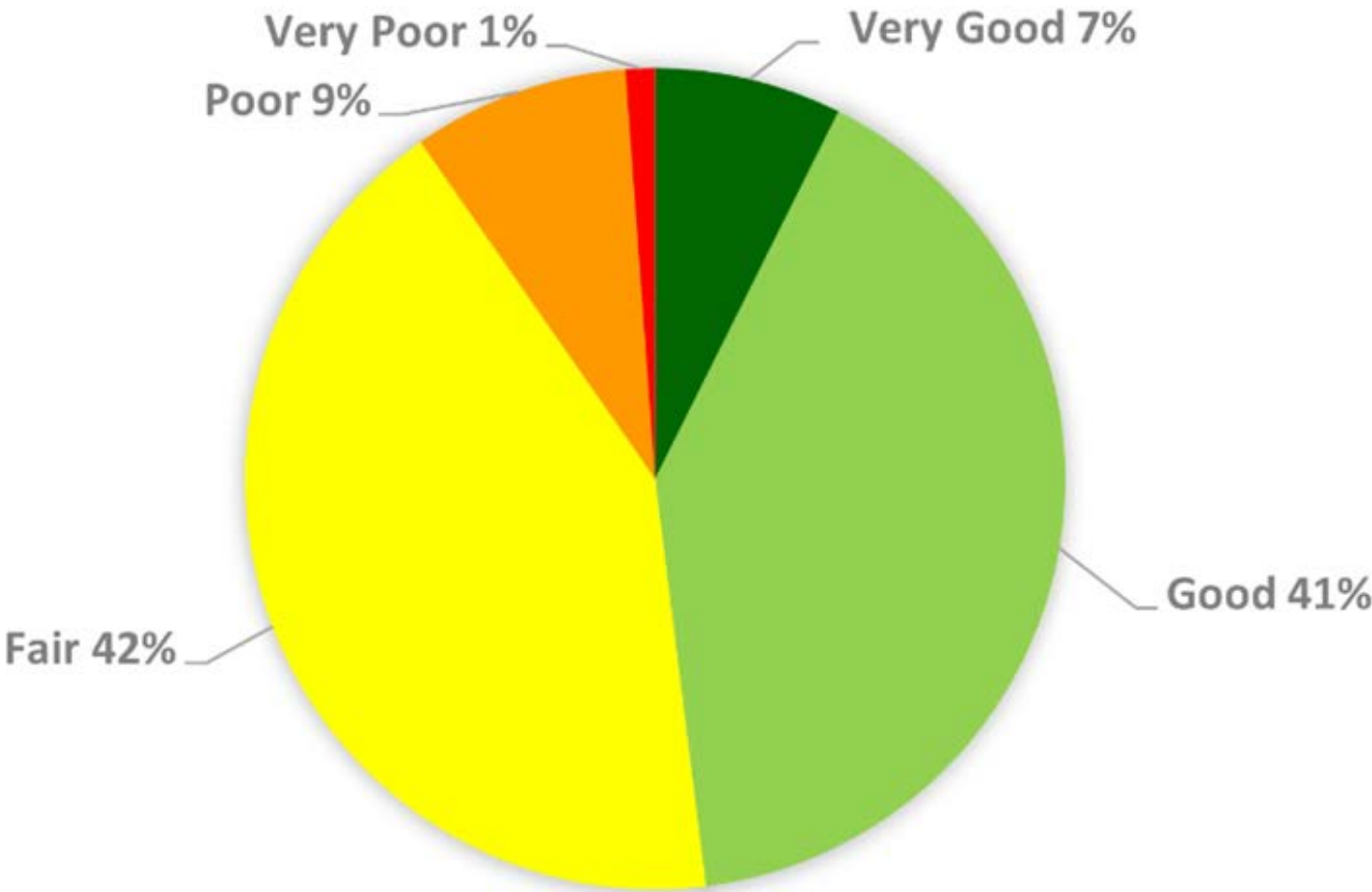
Replacement Value \$1,106M	Target Annual Funding \$15.8M	Current Annual Funding \$7.6M
Average Useful Life (years) 80	Backlog \$97M	Annual Funding Gap (%) 52

Risk of Asset Failure

	Impact						
Likelihood		Negligible	Minor	Moderate	Major	Catastrophic	
	▼	1	2	3	4	5	
	Almost Certain	5			\$1M	\$1M	\$0M
	Likely	4	\$2M		\$44M	\$29M	\$6M
	Possible	3	\$1M	\$8M	\$49M	\$22M	\$4M
	Unlikely	2	\$9M	\$15M	\$144M	\$55M	\$13M
	Rare	1	\$20M	\$4M	\$446M	\$184M	\$22M

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Physical Condition





Asset Type

Water

Natural Assets



Services

General Government Services, Parks Services, Protective Services, Recreation & Community Services, Solid Waste Services, Stormwater Management Services, Transportation Services, Wastewater Collection Services, Water Distribution Services

Water

Asset Group	Quantity	Quantity Units	Average Age	Average Useful Life	Replacement Value	Target Annual Funding
▲						
Main	548	Km	46	74	\$721M	\$9.9M
Meter	29697	Water Meter	16	20	\$18M	\$0.9M
PRV Chamber	44	PRV Chamber	33	50	\$43M	\$0.9M
Pump Station	18	Pump Station	24	20	\$22M	\$1.1M
Reservoir	5	Reservoir	26	60	\$31M	\$0.5M
Total	30312		43	70	\$835M	\$13.2M

2024

Replacement Value \$835M	Target Annual Funding \$13.2M	Current Annual Funding \$9.6M
Average Useful Life (years) 70	Backlog \$150M	Annual Funding Gap (%) 27

Risk of Asset Failure

	Impact						
Likelihood			Negligible	Minor	Moderate	Major	Catastrophic
		▼	1	2	3	4	5
	Almost Certain	5	\$0M	\$5M	\$14M	\$23M	\$24M
	Likely	4		\$3M	\$9M	\$9M	\$15M
	Possible	3		\$9M	\$32M	\$25M	\$5M
	Unlikely	2		\$0M	\$3M	\$2M	\$0M
	Rare	1	\$13M	\$0M	\$325M	\$139M	\$129M

Note: If the total sum of the values shown is less than the total Replacement Value, the risk of asset failure is currently unknown for some asset groups.

Physical Condition

