

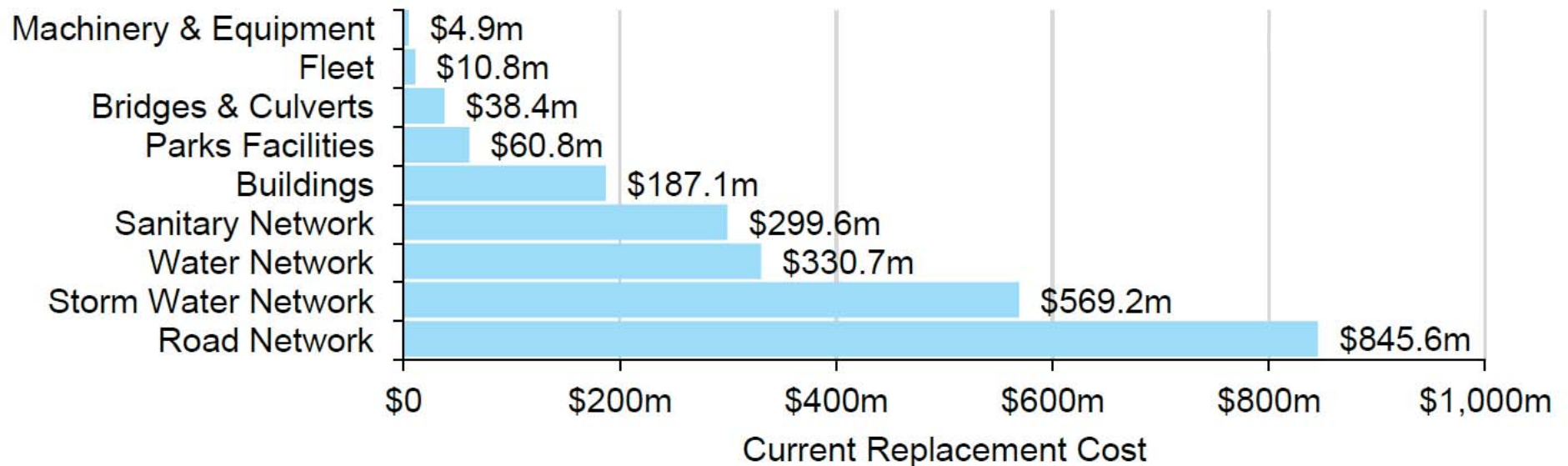
# **Town of Aurora**

## *2024 Asset Management Plan*

Presented by:  
Chris Vanderheyden, Director Asset Management Advisory, PSD

# Total Replacement Cost of Asset Portfolio

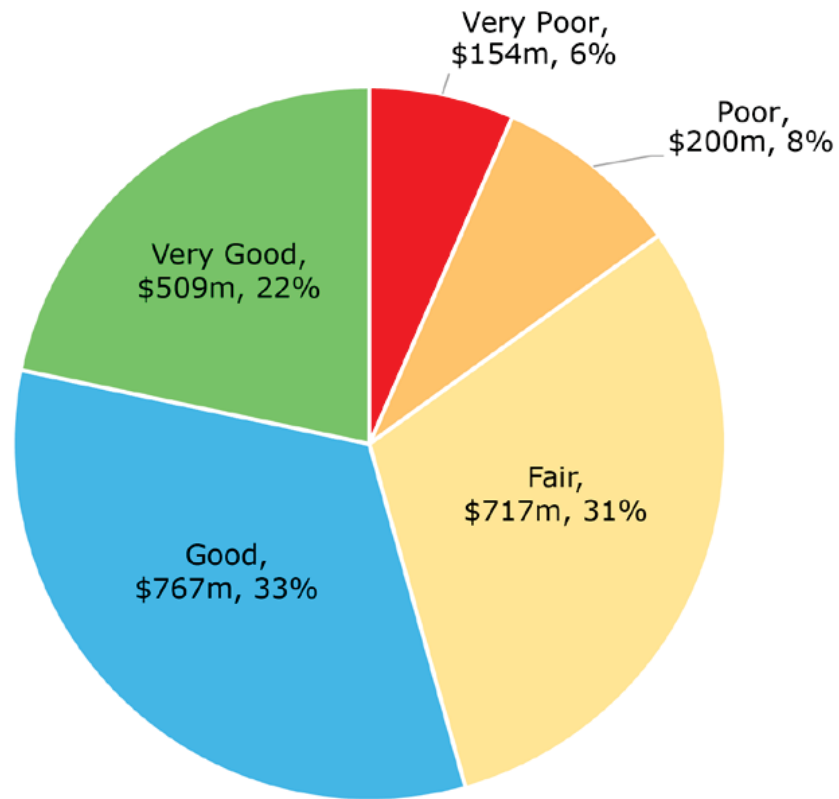
Total Current Replacement Cost: \$2,347,014,000



Replacement costs based on a combination of user-defined costs and historical cost inflation.



# State of the Infrastructure - Condition

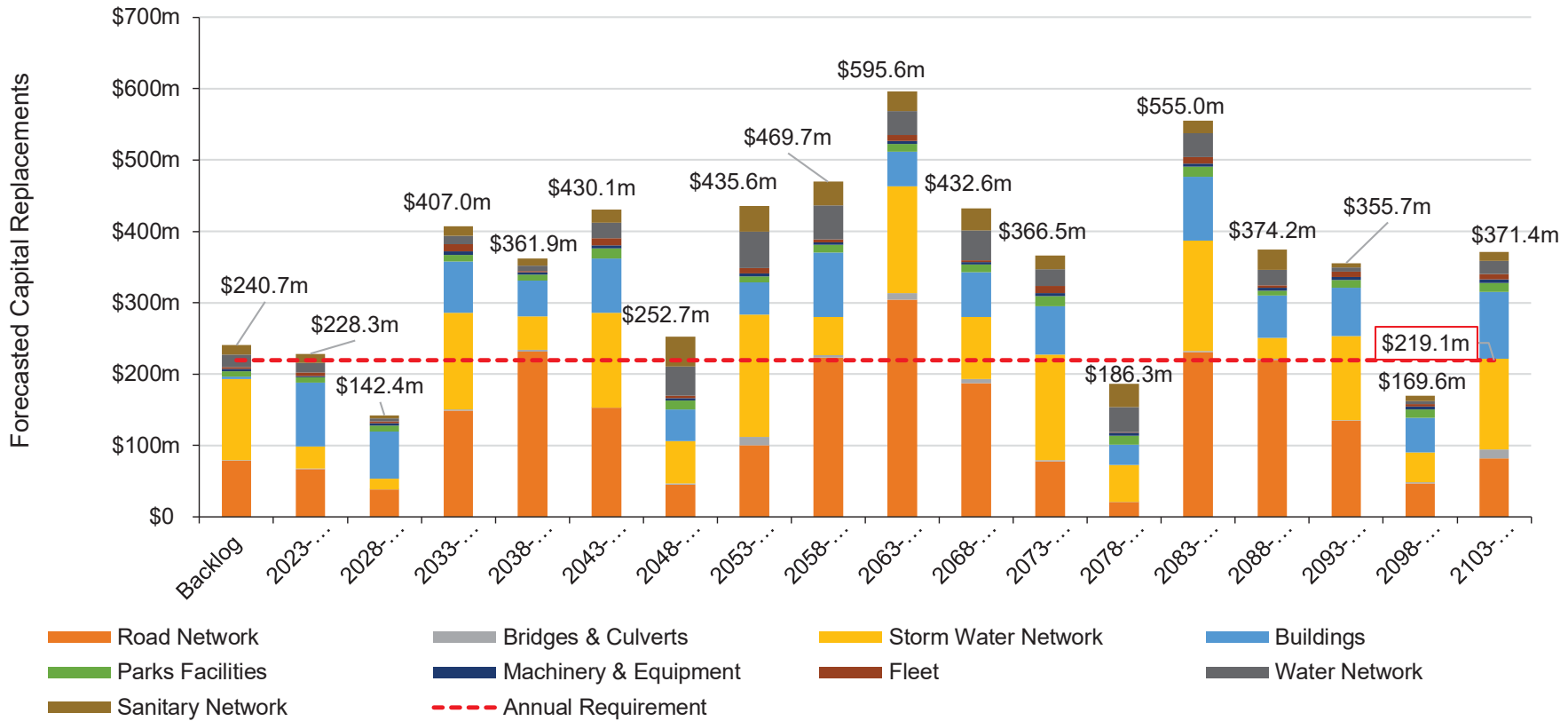


85%  
of all assets are in fair  
or better condition



# Forecasted Capital Requirements

Average Annual Capital Requirements \$43.8 million



# Categorical Analysis of Tax Funded Assets

	Maintain Current Condition		Current Condition +5%		Current Condition -5%	
Category	KPI Value	Expected Capital Expenditure	KPI Value	Expected Capital Expenditure	KPI Value	Expected Capital Expenditure
Bridges & Culverts	63%	\$750,000	68%	\$752,000	58%	\$560,000
Buildings	54%	\$5,764,000	59%	\$5,767,000	49%	\$5,728,000
Fleet	42%	\$736,000	47%	\$821,000	37%	\$658,000
Machinery & Equipment	38%	\$705,000	38%	\$705,000	38%	\$705,000
Parks Facilities	65%	\$1,605,000	65%	\$1,605,000	65%	\$1,605,000
Road Network	46%	\$14,322,000	51%	\$15,023,000	41%	\$12,756,000
<b>Tax Funded Average/Total</b>	<b>49%</b>	<b>\$23,882,000</b>	<b>54%</b>	<b>\$24,673,000</b>	<b>44%</b>	<b>\$22,012,000</b>

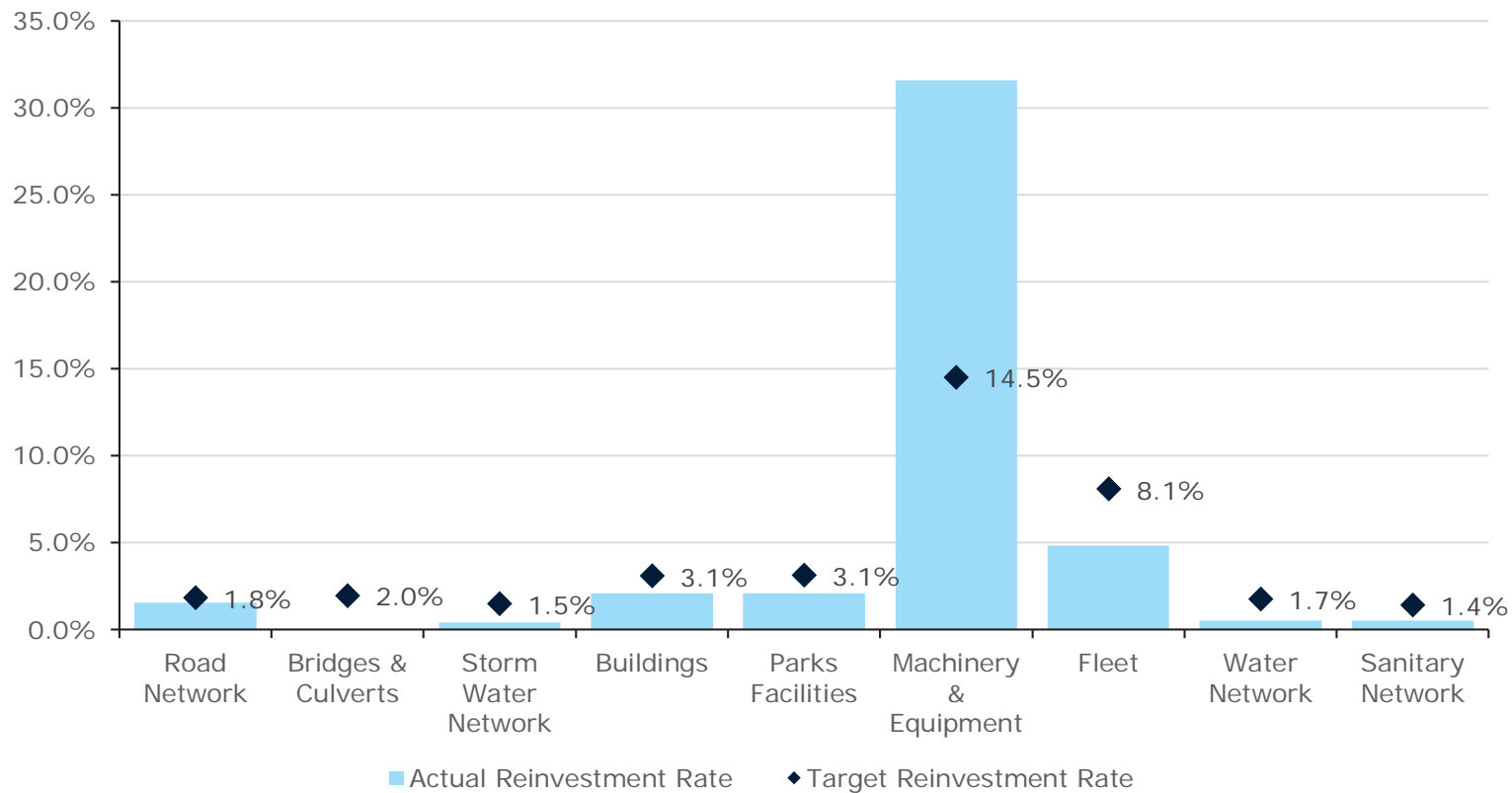


# Categorical Analysis of Rate Funded Assets

Category	Maintain Current Condition		Current Condition +5%		Current Condition -5%	
	KPI Value	Expected Capital Expenditure	KPI Value	Expected Capital Expenditure	KPI Value	Expected Capital Expenditure
Sanitary Network	63%	\$4,227,512	68%	\$4,745,512	58%	\$3,815,000
Stormwater Network	64%	\$8,405,000	69%	\$9,082,857	59%	\$7,382,000
Water Network	61%	\$5,720,214	66%	\$6,526,309	56%	\$4,836,000
<b>Tax Funded Assets Totals</b>	<b>63%</b>	<b>\$18,352,726</b>	<b>68%</b>	<b>\$20,354,678</b>	<b>58%</b>	<b>\$16,033,000</b>



# Categorical Reinvestment Rates



# Financial Analysis of Tax Funded Assets

Currently funded  
at 40.4%  
of long-term  
requirements

Tax change  
required for full  
funding  
27.5%

Increase tax  
revenues by an  
additional  
0.83%

15-year  
financial strategy  
recommendation

	5 Years	10 Years	15 Years	20 Years
<b>Infrastructure Deficit</b>	14,889,374	14,889,374	14,889,374	14,889,374
<b>Tax Increase Required</b>	27.5%	27.5%	27.5%	27.5%
<b>Annually</b>	<b>4.97%</b>	<b>2.45%</b>	<b>1.63%</b>	<b>1.22%</b>



# Financial Analysis – Water Network

Rate change  
required for full  
funding  
32.9%

Decrease water  
rates by 0.28% to  
1.92% from the  
previous 2.2%

15-year  
financial strategy  
recommendation

<b>Water Network</b>				
	<b>5 Years</b>	<b>10 Years</b>	<b>15 Years</b>	<b>20 Years</b>
<b>Infrastructure Deficit</b>	4,046,309	4,046,309	4,046,309	4,046,309
<b>Rate Increase Required</b>	32.9%	32.9%	32.9%	32.9%
<b>Annually:</b>	<b>5.86%</b>	<b>2.89%</b>	<b>1.92%</b>	<b>1.45%</b>

# Financial Analysis – Sanitary Network

Rate change  
required for full  
funding  
18%

Increase sanitary  
rates from the  
previous 0.40% to  
1.67%

10-year  
financial strategy  
recommendation

Sanitary Network				
	5 Years	10 Years	15 Years	20 Years
<b>Infrastructure Deficit</b>	2,690,987	2,690,987	2,690,987	2,690,987
<b>Rate Increase Required</b>	18.0%	18.0%	18.0%	18.0%
<b>Annually:</b>	<b>3.37%</b>	<b>1.67%</b>	<b>1.11%</b>	<b>0.83%</b>



# Financial Analysis – Storm Network

Rate change  
required for full  
funding  
161.4%

Decrease water  
rates by 6.08% to  
4.92% from the  
previous 11%

20-year  
financial strategy  
recommendation

Storm Network				
	5 Years	10 Years	15 Years	20 Years
<b>Infrastructure Deficit</b>	5,976,396	5,976,396	5,976,396	5,976,396
<b>Rate Increase Required</b>	161.4%	161.4%	161.4%	161.4%
<b>Annually:</b>	<b>21.19%</b>	<b>10.09%</b>	<b>6.62%</b>	<b>4.92%</b>

# Key AM Program Recommendations

1. Asset Inventory, Data Review & Validation
  - Continuous review and validation
2. Condition Assessment Strategies
  - Invest in condition assessments for all core infrastructure (water, sanitary, storm, and roads)
  - Prioritize and implement formal condition assessment processes for infrastructure and assets
3. Lifecycle Management Strategies
  - Evaluate lifecycle management strategies at regular intervals
  - Acquire and apply current replacement values for all assets using industry standards
4. Levels of Service
  - Regular review and of service level tracking strategies



# Next Steps

## 2030 AMP

- 2028 year-end inventory and data
- Report on proposed levels of service annually
- Updated 10-yr lifecycle and financial plan to meet adjusted proposed targets
- Updated AMPs are required every 5 years, as per O.Reg. 588/17





## Questions

