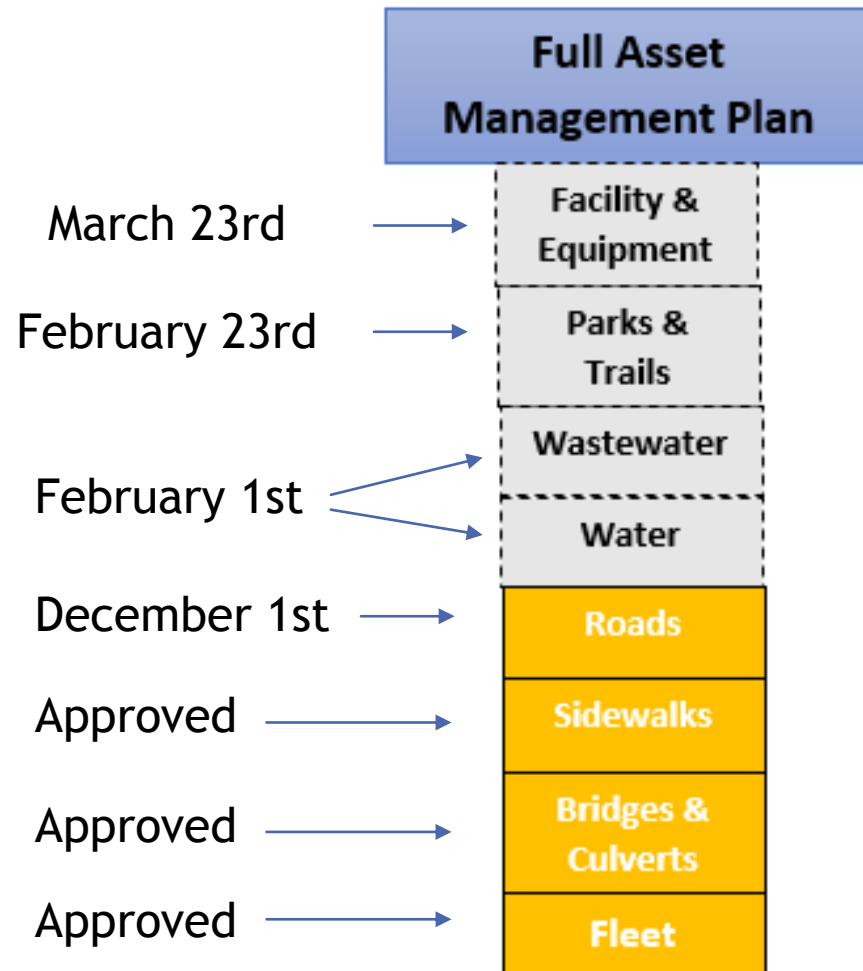


The background features abstract, overlapping geometric shapes in various shades of blue, including dark blue, medium blue, and light blue, creating a modern and dynamic visual effect.

# Water Pipe Asset Management Plan

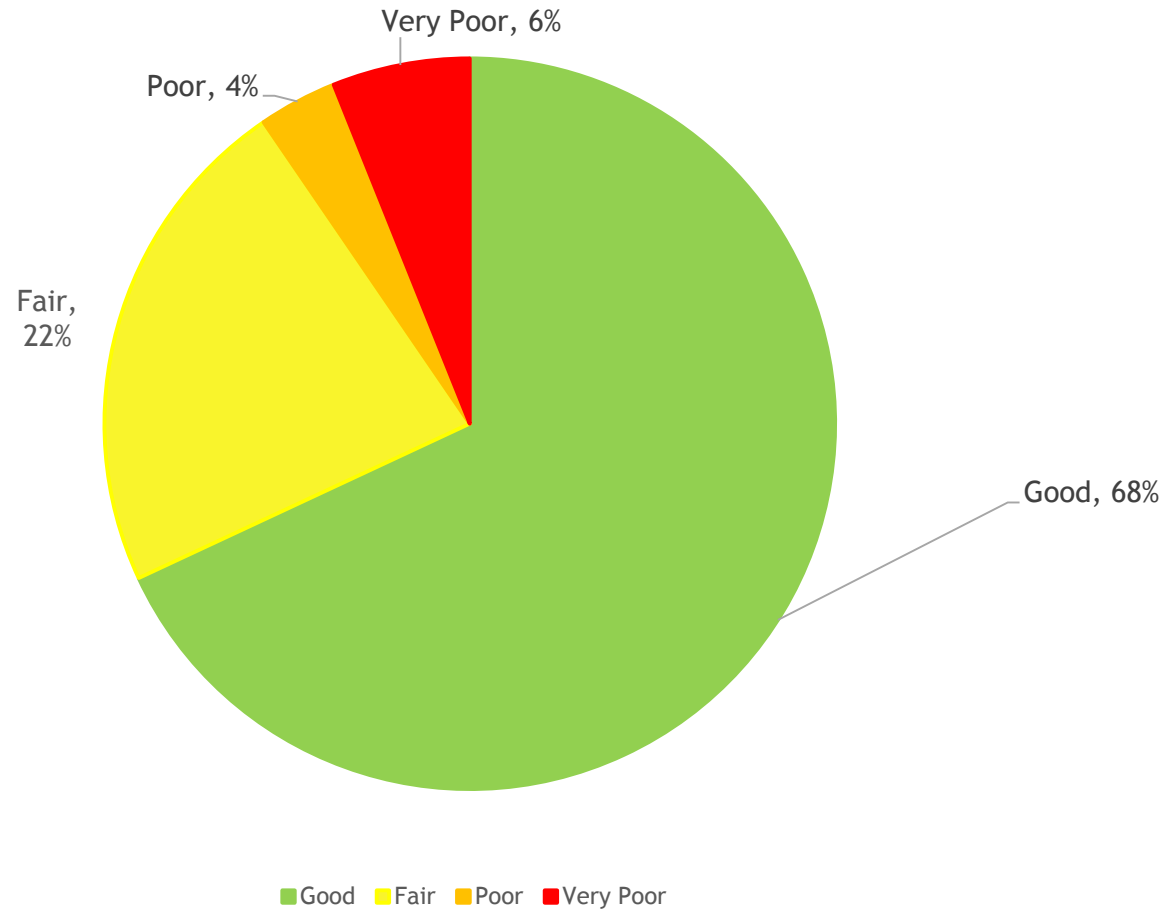
# Asset Management Building Blocks



# Water Pipe Asset Management Plan

- ▶ The Town owns and operates 121.7 kms (121,742) of water pipes
  - ▶ Asbestos Cement
  - ▶ Cast Iron
  - ▶ Ductile Iron
  - ▶ Polyethylene
  - ▶ Various Polyvinyl Chloride (PVC)
- ▶ 2021 Replacement Value of \$68.7M
- ▶ Condition Index built using 4 data points
  - ▶ Percentage of Life Consumed 45%
  - ▶ Watermain Breaks 30%
  - ▶ Material Type 20%
  - ▶ Service Area 5%

# Water Pipe - State of the Infrastructure



# Water Pipe - Current Level of Service

- ▶ Percentage of properties connected to the municipal water system (**mandatory as per O.Reg 588/17**). 81% of Town properties are connected to the Town's water system
- ▶ Percentage of properties where fire flow is available (**mandatory as per O.Reg 588/17**). 72% of Town properties have available fire flows
- ▶ The number of connection-day per year where a boil water advisory notice is in place compared to the total of the properties connected to the municipal water system (**mandatory as per O.Reg 588/17**). The Town has had zero boil water advisories in the past 10 years.

# Water Pipe - Current Level of Service

- ▶ The number of connection-days per year due to watermain breaks compared to the total number of properties connected to the municipal water system (**mandatory as per O.Reg 588/17**). The Town has had between 3 to 7 watermain breaks per year over the past 5 years resulting in a percentage of 0.04% to 0.08%
- ▶ Annual operating cost per meter (**optional**). The Town spends \$8.49 per meter to operate the water distribution system
- ▶ Annual capital cost per meter (**optional**). The Town is required under this plan to save \$7.69 per meter annually

# Water Pipes - Lifecycle Costs

- ▶ Annual Cost is made of the cost to operate the water distribution system
- ▶ Annual Transfer is the amount required to maintain the current level of service

(Thousands)	Annual Costs	Annual Transfer	Total
Total Water Costs	\$10,337	\$9,358	\$19,695

- ▶ The Annual Transfer represents \$935,800 being transferred into the Water Asset Replacement Reserve Fund

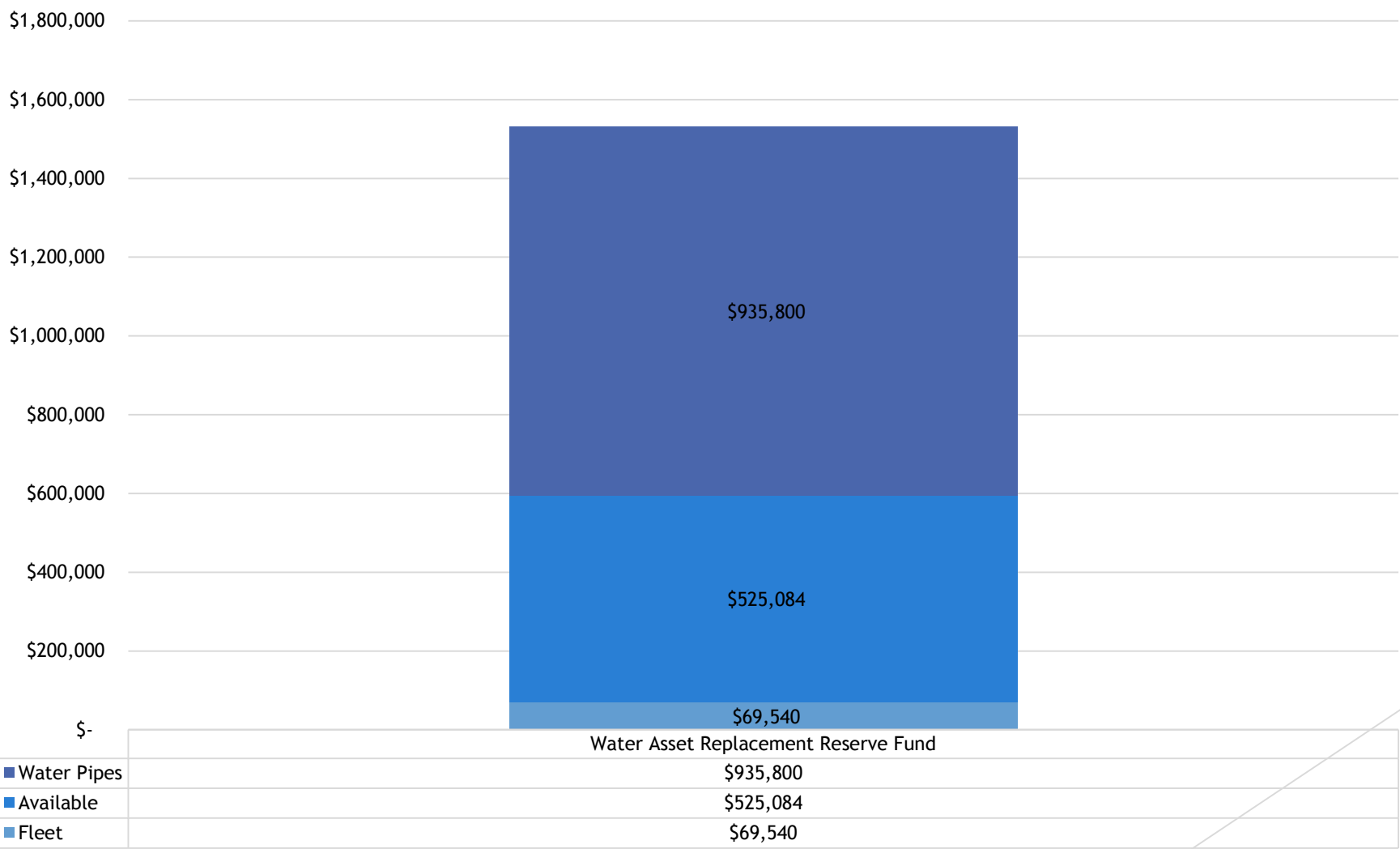
# Water Pipes - Population and Economic Activity

- ▶ Through either the Development Charges Background Study or Subdivision Assumptions the Town will add to the Town's water distribution system

	Meters	Annual Costs	Annual Transfer	Total Cost
Growth Related	41,622	\$353,000	\$320,000	\$673,000
Assumptions	9,268	\$79,000	\$71,000	\$150,000
Total	50,890	\$432,000	\$391,000	\$823,000



# Funding - Required Transfer



# Interactive Map

- ▶ <https://thebluemountains.maps.arcgis.com/apps/MapSeries/index.html?appid=9a5874419dcc490d8e827d8d4c10ffbf&entry=4>