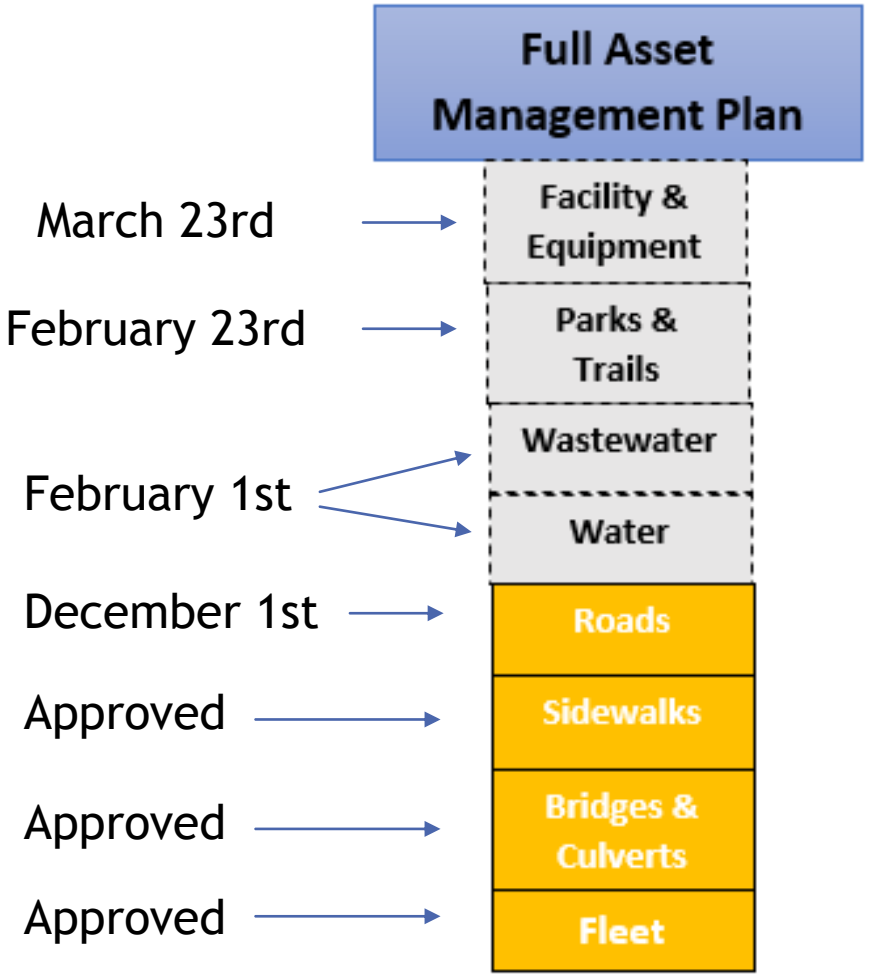
Wastewater Pipe Asset Management Plan

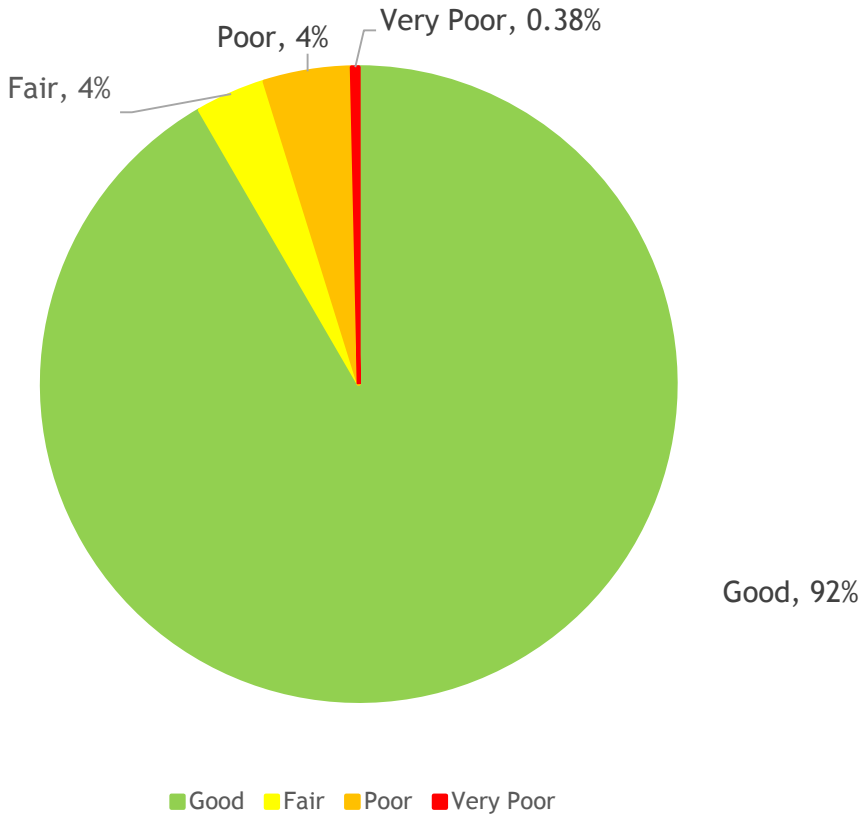
Asset Management Building Blocks



Wastewater Pipe Asset Management Plan

- The Town owns and operates 99.3Kms (99,269 meters) of wastewater pipe
  - Asbestos Cement
  - Concrete
  - Ductile Iron
  - High Density Poly Ethylene
  - Polyvinyl Chloride
  - Vitrified Clay
- 2021 Replacement Value of $46.2M
- Condition Index is built using

Wastewater Pipe – State of the Infrastructure



Wastewater Pipe – Current Level of Service

- Description which may include maps of the users or areas of the municipality that are connected to the municipal wastewater system **(mandatory as per O.Reg 588/17).** There are 6196 (or 70%) of properties connected to the Town's wastewater collection system
- Description of how combined sewer in the municipal wastewater system are designed with overflow structures in place which allow overflow during storm events to prevent backups into homes **(mandatory as per O.Reg 588/17).** The Town doesn't have any combined sewers
- Description of the frequency and volume of overflows in combined sewers in the municipal wastewater system that occur in habitable areas or beaches **(mandatory as per O.Reg 588/17).** The Town doesn't have any combined sewers

Wastewater Pipe – Current Level of Service

- Description of how stormwater can get into sanitary sewers in the municipal wastewater system, causing sewage to overflow into streets or backup into homes **(mandatory as per O.Reg 588/17).** The main way stormwater can enter the wastewater system is through inflow and infiltration
- Description of how sanitary sewers in the municipal wastewater system are designed to be resilient to avoid events describe in paragraph 3 **(mandatory as per O.Reg 588/17).** Through CCTV inspections, strict sewer use by-laws etc.
- Description of the effluent that is discharged from sewage treatment plants in the municipal wastewater system**(mandatory as per O.Reg 588/17).** Treated wastewater that meets strict regulations by the MECP

Wastewater Pipe – Current Level of Service

- The number of events per year where combined sewer flow in the municipal wastewater system capacity compared to the total number of properties connected to the municipal wastewater **(mandatory as per O.Reg 588/17).** The Town doesn't have any combined sewers
- The number of connection-days per year due to wastewater backups compared to the total number of properties connected to the municipal wastewater system **(mandatory as per O.Reg 588/17).** 4 events in 2019 with zero in the previous 4 years, this represents 0.06%
- The number of effluent violations per year due to wastewater discharge compared to the total number of properties connected to the municipal wastewater system **(mandatory as per O.Reg 588/17).**

Wastewater Pipe – Current Level of Service

- Annual operating cost per meter **(optional)** The Town spends $5.59 per meter to operate the water distribution system
- Annual capital cost per meter **(optional)** The Town is required under this plan to save $5.50 per meter annually

Wastewater Pipes – Lifecycle Costs

- Annual Cost is made of the cost to operate the wastewater collection system
- Annual Transfer is the amount required to maintain the current level of service

(Thousands)	Annual Costs	Annual Transfer	Total
Total Wastewater Costs	$5,554	$5,464	11,018

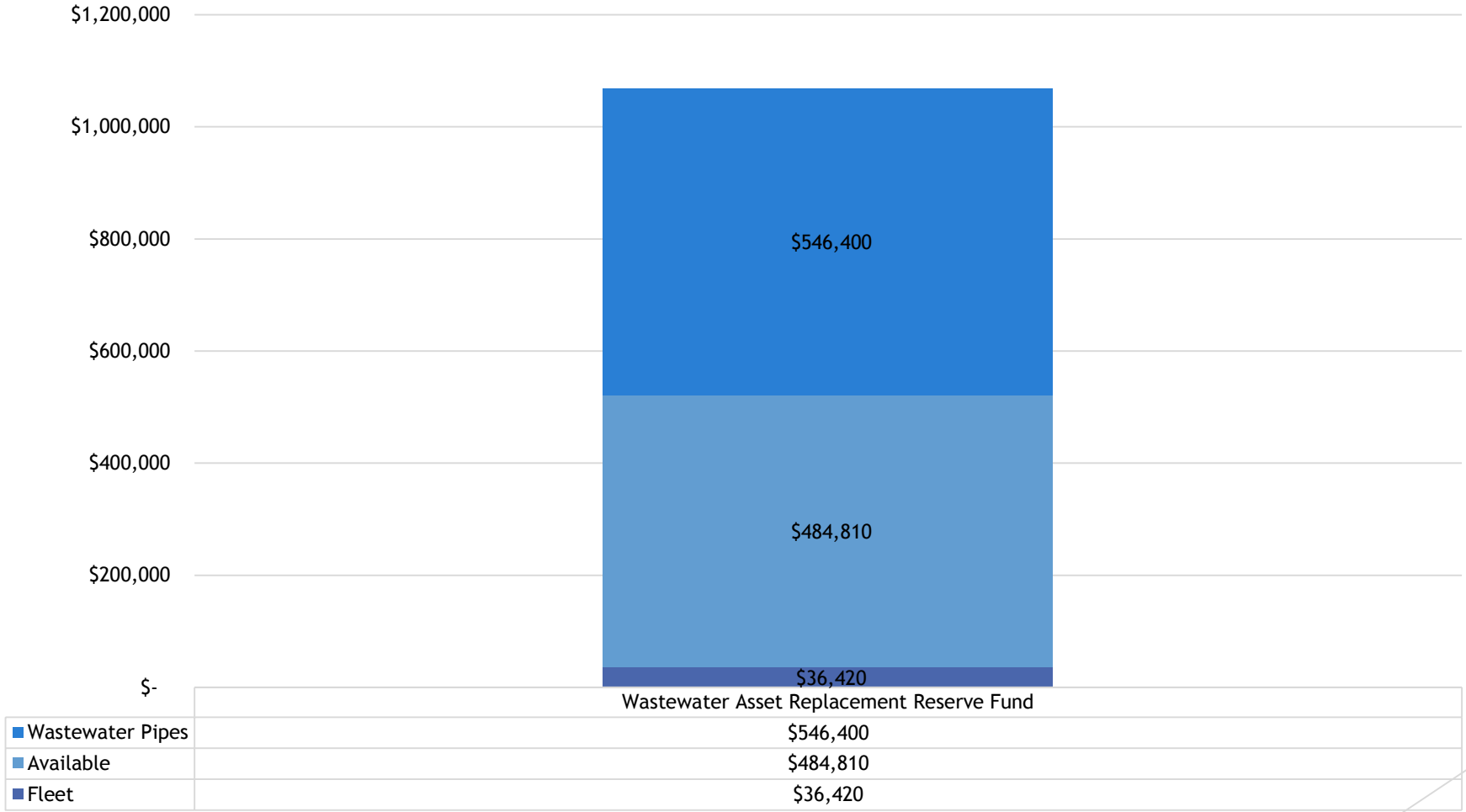
- The Annual Transfer represents $935,800 being transferred into the Water Asset Replacement Reserve Fund

Wastewater Pipes - Population and Economic Activity

- Through either the Development Charges Background Study or Subdivision Assumptions the Town will add to the Town's wastewater collection system

	Meters	Annual Costs	Annual Transfer	Total Cost
Growth Related	25,783	$144,000	$142,000	$286,000
Assumptions	8,100	$555,000	$546,000	$1,101,000
Total	33,883	$699,000	$688,000	$1,387,000

Funding – Required Transfer



	Wastewater Asset Replacement Reserve Fund
Wastewater Pipes	$546,400
Available	$484,810
Fleet	$36,420

Interactive Map

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