

# GMWC Infrastructure Report Card



**TransAqua**

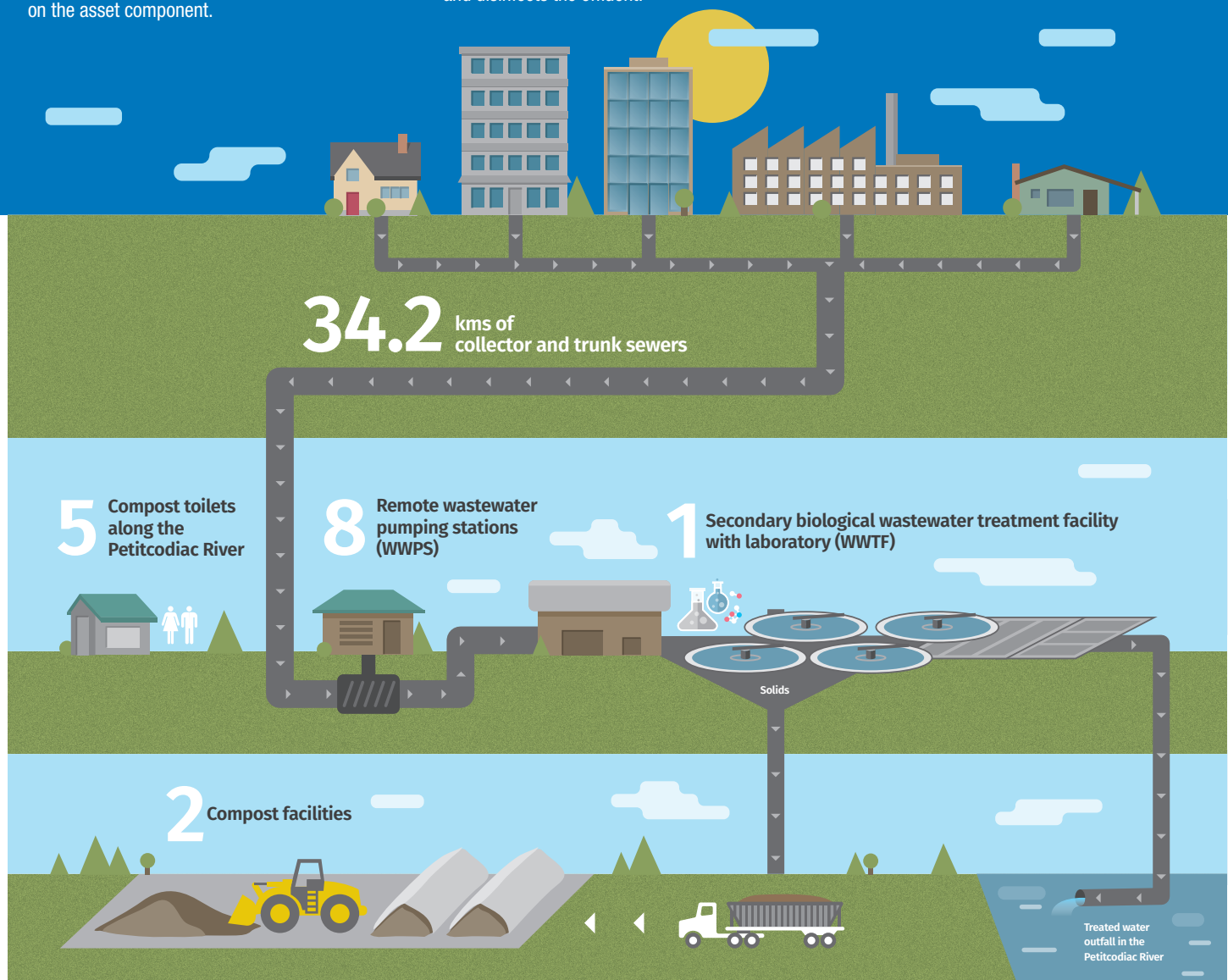
GREATER MONCTON  
WASTEWATER  
COMMISSION

COMMISSION  
DES EAUX USÉES  
DU GRAND MONCTON

March 2023

## Quick Facts

- TransAqua provides wastewater treatment service to Institution, Commercial, Industrial customers and approximately 128,168 residents in Moncton, Dieppe and Riverview.
- TransAqua is growing and currently owns infrastructure with a current value of \$125 M.
- The overall condition of TransAqua's infrastructure is fair to very good depending on the asset component.
- TransAqua has an affordable and sustainable financial, infrastructure and operational plan to ensure ratepayers receive a safe, reliable and environmentally responsible wastewater treatment service.
- Wastewater is treated with best available technological biological processes that removes nutrients harmful to aquatic life and disinfects the effluent.
- Both wastewater effluent water and compost quality are regulated to meet federal and provincial environmental regulations before returning to the environment.
- TransAqua converts biosolids into the highest quality compost in Canada through beneficial reuse. Over 5,280 tonnes of compost was reintroduced into the tri-community in 2022.



## Wastewater Treatment

TransAqua successfully transitioned from an advanced chemically assisted primary treatment facility to a 4-step feed biological secondary treatment facility. TransAqua began meeting the federal Wastewater Systems Effluent Regulations by the end of 2020.



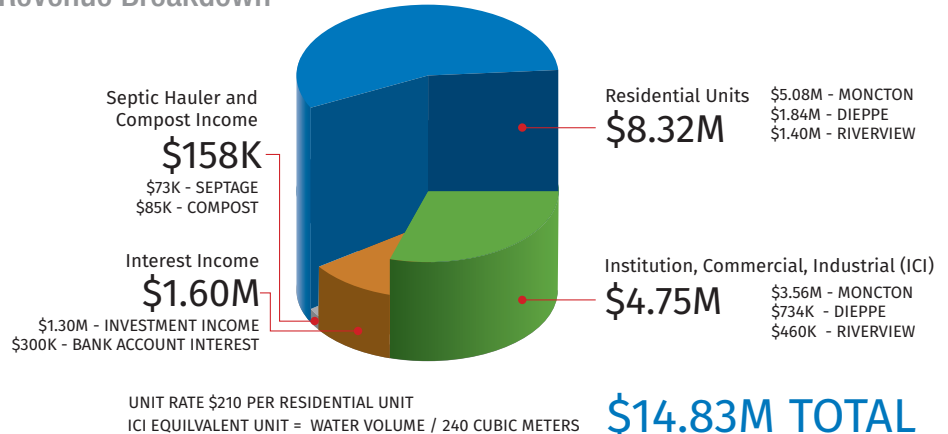
## Effluent Water Quality

TransAqua's effluent and compost quality is regulated and must meet the federal and provincial standards prior to effluent release to the Petitcodiac River and compost release to the public. TransAqua rigorously inspects, monitors and analyzes the effluent and compost quality and is committed to environmental excellence. TransAqua continuously strives for continuous improvement using Best Management Practices, an innovative approach, maximize operational efficiency and through timely infrastructure investment.

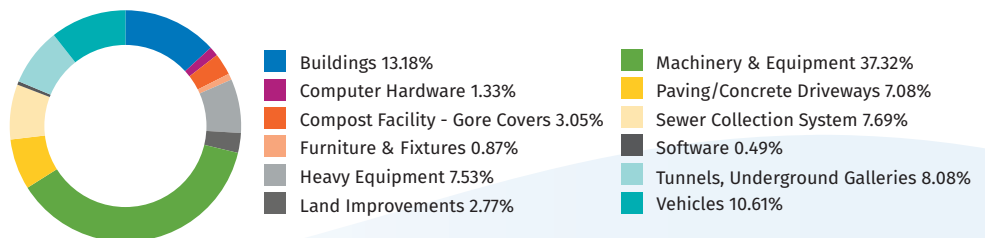
## Wastewater System Risks

Wastewater assets across Canada are depreciating faster than they are being replaced. An annual Rate Analysis is completed to ensure the unit rate is sustainable to fund the wastewater treatment Capital and Operational needs. It is important to plan for and manage infrastructure renewal funding in a controlled manner to reduce the impact of sudden rate increases and increased service disruptions (pipe breaks / collapse, etc.).

### Revenue Breakdown



### 15-year Asset Replacement Value: \$41.2 Million



## Wastewater System Condition

TransAqua owns, operates and maintains a resilient and robust system that embraces preventative maintenance concepts to keep the system assets operating in the most difficult conditions. The WWTF has backup generators and redundant equipment to ensure continuous wastewater treatment service. The overall condition of TransAqua's infrastructure is fair to very good depending on the asset component.

TransAqua's wastewater assets depreciated by \$4.1M in 2022 and the average annual renewal expenditure for the next 15 years is \$2.7 million in order to maintain a "Fair" or above rating. Assets that fall into the "Poor" or "Very Poor" category face an increased maintenance costs and downtime along with the risk of catastrophic failure.

### Initial Condition Assessment by Asset Category

