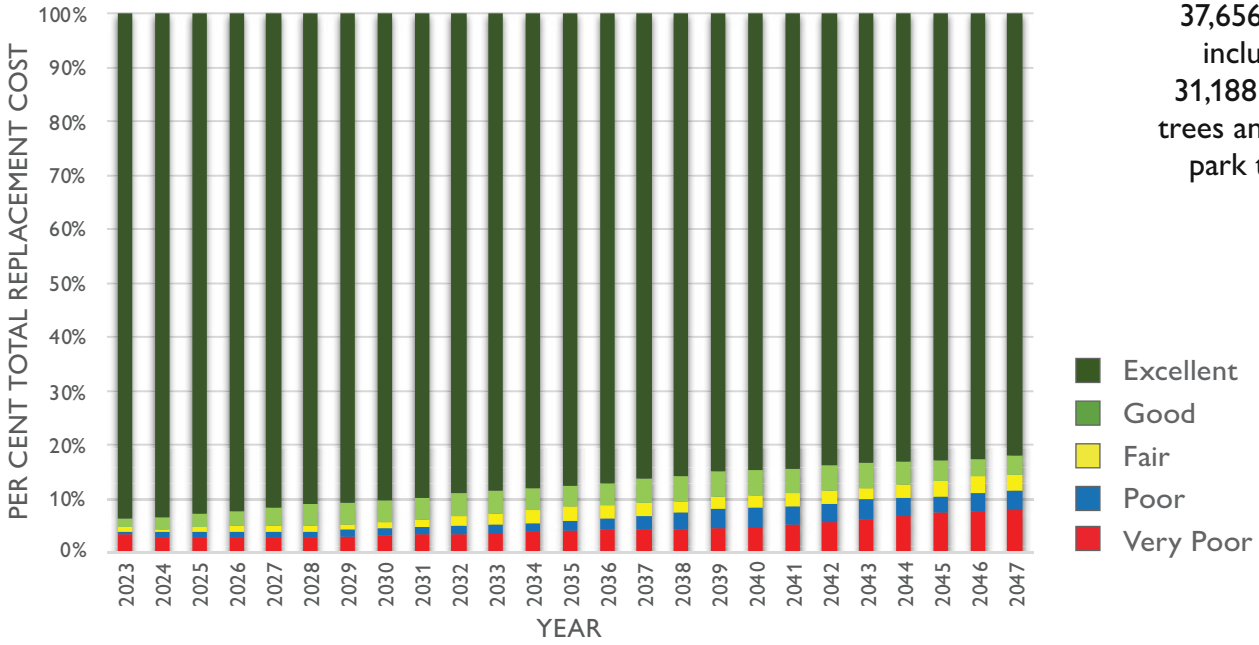
Forestry

Total asset replacement value	**$113 million**
Current condition	**EXCELLENT**
Projected condition in 25 years	**EXCELLENT**
Annual funding needed to meet target performance	**$500,000**
Annual average funding	**$100,000**
Annual funding gap	**$400,000**
Funding source	**Tax base**
Data maturity level	**Medium**

Annual funding needed: $500,000

Assets include 37,656 trees including 31,188 street trees and 6,468 park trees.

Annual performance of forestry assets



CURRENT STRATEGY

The City's urban forest include trees planted along streets, and trees on City-owned lands like open spaces, parks and woodlots. Trees located within city cemeteries are captured as a cemetery asset. At this time, the forestry asset group is mainly focused on street trees, which are removed and replaced when they are dying, damaged or impacted by invasive pests. The useful life ranges from 50 to 200 years and varies depending on the species of tree and location within the road right-of-way. Forestry is a tax base funded asset.

ASSET PERFORMANCE

Forestry asset performance is evaluated using historical knowledge, age, and observed conditions. The quality and availability of our asset data (data maturity) are continuously evolving. The current data maturity level for forestry assets is assessed to be medium. The City is continuously working to improve asset data quality.

Four per cent of our forestry assets are currently considered poor or very poor performance. With the current level of funding, we anticipate the percentage of forestry assets with a poor or very poor profile to stay the same at 4% by 2047. Based on the best available forestry asset data, deterioration rates and 2023-2032 capital funding forecast, it is estimated that forestry assets have an infrastructure funding gap of $400,000.

4%

Forestry assets with a poor or very poor performance

LEVELS OF SERVICE

The following tables show the levels of service established by the City for forestry assets. These metrics include the technical and community level of service required as part of the Ontario Regulation 588/17. Service metrics are reported for the prior year ending on December 31.

COMMUNITY LEVELS OF SERVICE

The following table outlines the qualitative descriptions that determine the community levels of service for forestry assets.

SERVICE ATTRIBUTE	QUALITATIVE DESCRIPTION
Scope	Manage and maintain the urban forest including scheduled and emergency tree maintenance, tree assessment and tree planting throughout the City.
Customer Service	The average number of days to replace a street or park tree is six months, although emergency tree maintenance is undertaken with 24 hours. Scheduled maintenance can take up to one year.
Customer Service	The average number of days to respond to a tree inspection request is two to three days.

TECHNICAL LEVELS OF SERVICE

The following table outlines the quantitative metrics that determine the technical level of service for forestry assets.

SERVICE ATTRIBUTE	QUANTITATIVE METRICS	2021	2022
Quality	Street trees receiving preventative maintenance (per cent)	5 – 10%	5%
Quality	Forestry assets that are in fair or good condition (per cent)	95%	96%
Environmental Stewardship	Diversity of the tree canopy (per cent) To reduce the risk of catastrophic tree loss due to pest, the city plans to keep the urban tree population to no more than 10% of any one species and 30% of any one genus.	Species – Norway Maple exceeds 10% target, currently at 15% Genus – Maple exceeds 30% target, currently at 40%	Species – Norway Maple exceeds 10% target, currently at 15% Genus – Maple exceeds 30% target, currently at 38%

The information presented here is based on the best currently available data regarding asset inventory, performance, and degradation curves, along with funding included in 2023 approved capital budget and 2024-2032 capital forecast.