




2024 ASSET MANAGEMENT REPORT CARD

Fleet and shop equipment

| | |
|--|---|
| Total asset replacement value | \$34 million |
| Current condition | GOOD |
| Projected condition in 25 years | FAIR  |
| Annual funding needed to meet target performance | \$3.3 million |
| Annual average funding | \$3.2 million |
| Annual funding gap | \$100,000 |
| Funding source | Tax base and rate funded |
| Data maturity level | Medium |

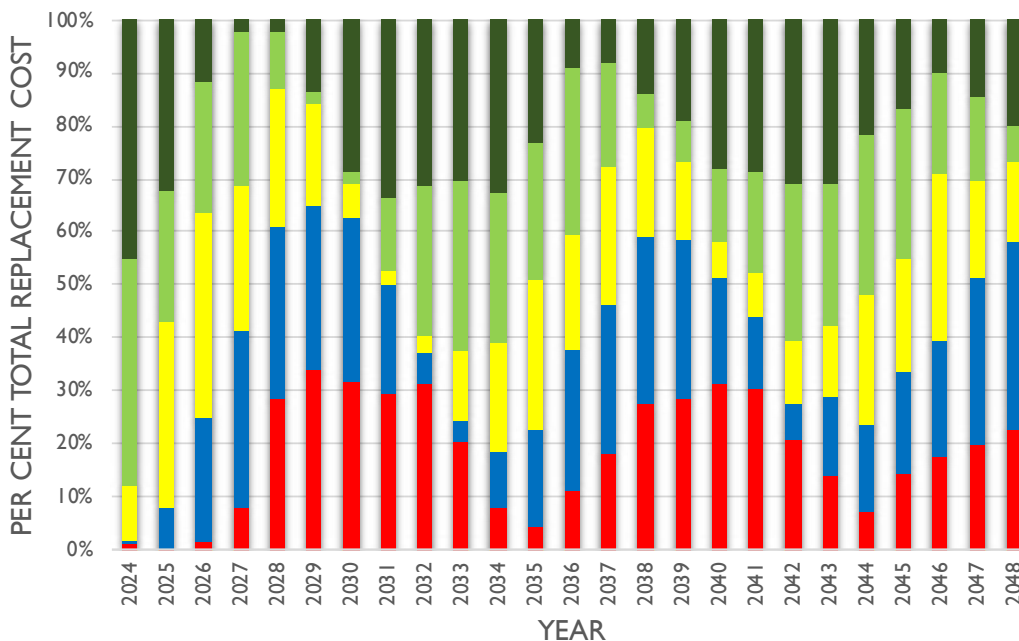


Annual funding needed: \$3.3 million



350 assets including flusher truck, ice resurfacers, loader/backhoes, trucks, turf equipment, van-SUVs, zero-emission vehicles and associated shop equipment.

Projected annual performance of fleet and shop equipment assets



- Excellent
- Good
- Fair
- Poor
- Very Poor

CURRENT STRATEGY

The city's fleet assets are the vehicles used in our services and the shop equipment needed to maintain them. There are 350 fleet assets owned by the city, ranging from cars and trucks to specialized turf vehicles, loaders/backhoes, snow plows, sanders, sweepers, ice resurfacers, sanitary flusher truck and their associated equipment. Fleet assets are replaced when they reach the end of their useful life, which ranges from 7 to 20 years, depending on the type of vehicle. It is important to note that fire vehicles are captured under the fire asset class. Shop equipment assets are replaced on an as needed basis with a specific focus on maintaining the equipment through the replacement of components (e.g. hydraulics).



ASSET PERFORMANCE

Fleet asset performance is evaluated using historical knowledge, age, and observed conditions through regular inspections. The quality and availability of our asset data (data maturity) are continuously evolving. The current data maturity level for fleet assets is assessed to be medium. The city is continuously working to improve asset data quality.

Almost 99% of our fleet assets are currently considered in fair or better performance. With the current level of funding, we anticipate the percentage of fleet assets with a fair or better performance to decrease from 99% to 42% by 2048.

Based on the best available fleet asset data, deterioration rates and the 2024-2026 capital budget and 2027-2033 capital forecast, it is estimated that fleet assets have an infrastructure funding gap of \$100,000.

LEVELS OF SERVICE

The following tables show the levels of service established by the city for fleet 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.



Fleet assets
with a fair
or better
performance

COMMUNITY LEVELS OF SERVICE

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

| SERVICE ATTRIBUTE | QUALITATIVE DESCRIPTION | 2023 |
|----------------------------------|---|--|
| Scope | Description of how fleet supports operational activities through the City of Waterloo. | Life cycle management of fleet assets including acquisition, disposition and maintenance and repairs enables sustainable city service delivery. Fleet assets facilitate or improve the quality of service provided, and reflect a professional image within the community. |
| Safety | Description of how the city ensures fleet assets are safe | All municipal fleet assets are enrolled in a preventive maintenance program, which includes annual inspections of vehicles and equipment, to align with all legislative requirements. |
| Environmental Stewardship | Description of how the city considers environmental stewardship when managing vehicles and equipment. | Upon the acquisition of a new vehicle, a comprehensive analysis is undertaken to explore options for reducing greenhouse gas emissions. |

TECHNICAL LEVELS OF SERVICE

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

| SERVICE ATTRIBUTE | QUANTITATIVE METRICS | 2022 | 2023 |
|----------------------------------|---|--------------|--|
| Safety | Maintenance inspections completed (per cent) | 100% | 100% |
| Reliability | Fleet assets that are in fair or better condition (per cent) | 57% | 98%* |
| Environmental Stewardship | Per cent of fleet vehicles replaced with alternative fuel/environmentally friendly fuel | Not measured | 9.6% of entire fleet, 13.8 % of light-duty and passenger vehicle |

* This increase is due to a large amount of replacements over the past two years and the limiting reuse of units.

The information presented here is based on the best available asset inventory and condition data as of March 2024, as well as funding details from the 2024-2026 approved capital budget and the 2027-2033 capital forecast.

The forecasting model allows staff to project the condition of City assets over a 25-year timeframe and therefore all funding is based on a 25-year average.