



Fire

Total asset replacement value	\$9 million
Current condition	VERY POOR
Projected condition in 25 years	FAIR 
Annual average funding	\$700,000
Annual funding needed to meet target performance	\$800,000
Annual funding gap	\$100,000
Funding Source	Tax Base
Data Maturity Level	Medium

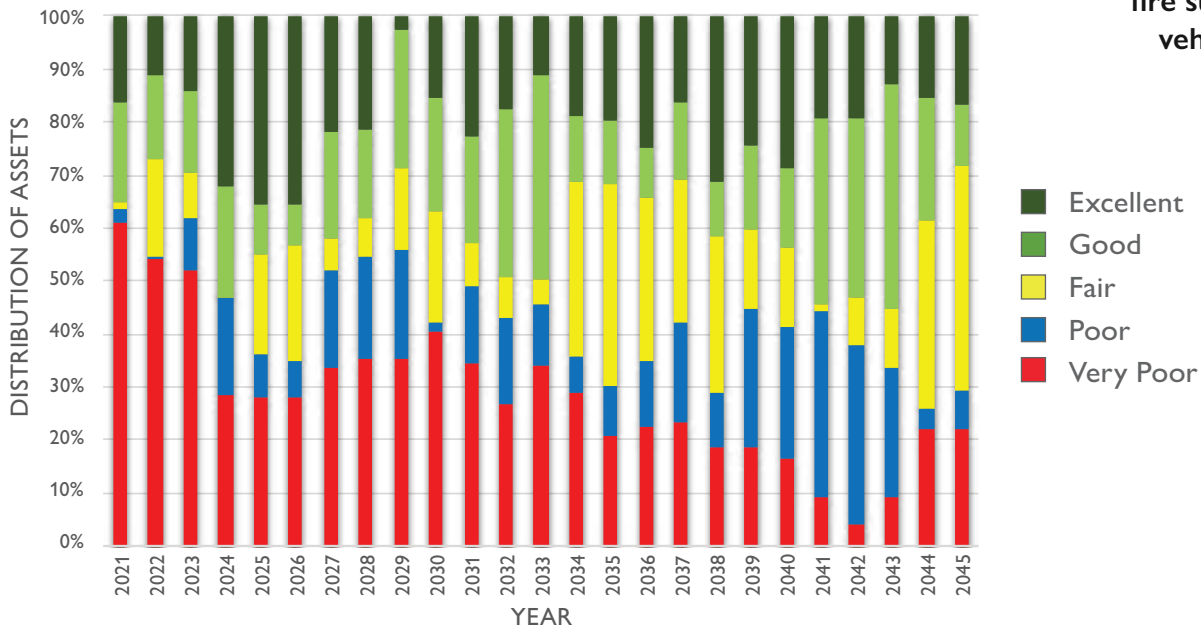


ASSETS INCLUDE
1500 pieces of small equipment and personal protective equipment...



...as well as 21 vehicles ranging from larger fire apparatus to fire support vehicles

Annual performance of fire assets



CURRENT STRATEGY

The city's fire assets include the vehicles and equipment needed by our fire crews to respond to emergencies, as well as all the personal protective gear required to keep them safe. Fire assets are funded by the tax base. Fire stations are captured under the facilities asset group.

Fire equipment such as voice radio user gear, defibrillators, extrication equipment (e.g. jaws-of-life) or personal protective equipment is replaced when it reaches the end of its useful life in accordance with industry standards along with professional management by fire staff. The estimated service life ranges between 7 and 20 years, depending on the type of equipment.

Fire vehicles are replaced when they reach the end of their useful life, based on professional management by fire staff. The estimated service life ranges between 7 and 15 years depending on the type of vehicle.

ASSET PERFORMANCE

We evaluate the performance of our assets using asset data, a combination of historical knowledge, age, observed conditions, measurements and analytical techniques. The quality and availability of this information (also known as “asset data maturity”) is continuously improving. Updates to asset data and deterioration trends will change the projected performance of an asset. The higher the data maturity is, the greater confidence we have in our future performance projections for the asset. The maturity of our fire asset data is considered medium.

Approximately 60% of fire assets are currently considered in poor or very poor performance categories. Over the 25 year timeline, with the current level of funding, we anticipate the percentage of our fire assets with a poor or very poor performance profile to decrease from 60% in 2021 to approximately 30% by 2045.

Based on the best available fire asset data, deterioration rates and 2020-2029 capital funding, we estimate that fire assets have an annual infrastructure funding gap of \$100,000.

The information presented here is based on the best currently available data regarding asset inventory, performance and degradation curves along with funding included in the approved 2020-2022 capital budget and 2023-2029 capital forecast.



**Fire assets
with a poor
or very poor
performance**