

COMMITTEE OF THE WHOLE (WORKING SESSION) - DECEMBER 7, 2022

COMMUNICATIONS

Distr	ibuted December 2, 2022
C1.	Presentation Material
Distr	ibuted December 5, 2022
C2.	Presentation Material

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Non-Core Asset Management Plans

Communication : C 1

Committee of the Whole (Working Session)

December 7, 2022 Agenda Item # 1

City of Vaughan

VALIGNAM CITY MALL

December 7th, 2022

Christiaan Lombard, MBA P. Eng IAM Cert.: Asset Management Leader, Americas Water

Donghui Lu, Ph. D, IAM Cert.: Asset Management Consultant



Ontario Regulation 588 / 17

	Deadline Date	Ontario Regulation 588 / 17 Regulatory Requirements & Dates
	July 1 st 2019	All Municipalities are required to prepare their first Strategic Asset Management Policy
	July 1 st 2022	All municipalities are required to have an Asset Management Plan for its entire core municipal infrastructure Note: Core Asset Management Plans were endorsed by Council last year and are currently publicly accessible on the City website (as per regulation)
	July 1 st 2024	All municipalities are required to have an asset management plan for infrastructure assets not included under their core assets
	July 1 st 2025	All Asset Management Plans must include information about the levels of service that the municipality proposes to provide, the activities required to meet those levels of service, and a strategy to fund activities



What is Asset Management?

Asset Management is an integrated process that combines the skills, expertise, and activities of people with information about a community's physical assets and finances so that informed decisions are made to support sustainable service delivery

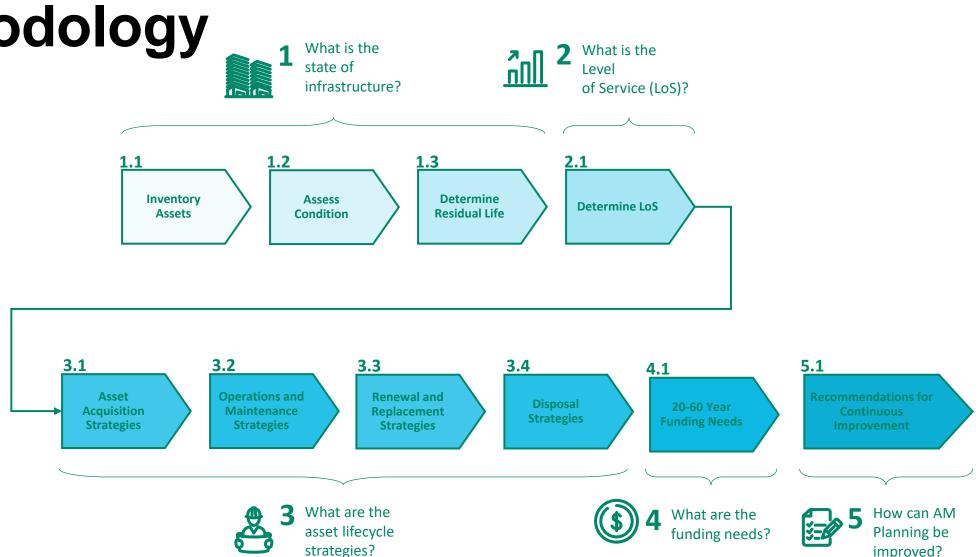


Framework for Sustainable Infrastructure

Source: Adapted from <u>Asset Management for Sustainable Service Delivery: A BC Framework</u>



Asset Management Methodology







The City's Non-Core Asset Portfolio

- Facilities
- Parks
- Forestry
- Active Transportation
- Traffic Control & Streetlights
- Fleet
- Fire & Rescue



Photo: Tree Planting



Photo: LED Streetlight Retrofit



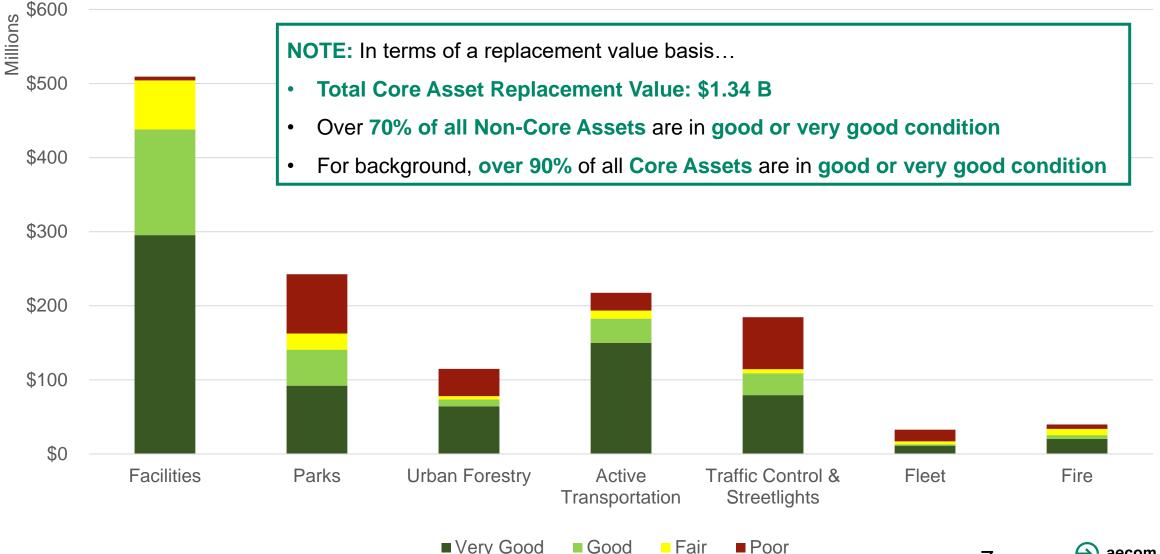
Photo: North Maple Regional Park (NMRP) Pavilion and Soccer Fields

Photo: Fire Hall 7-9 & Fire Trucks



1. What is the State of Infrastructure?





2. What is Level of Service (LoS)?



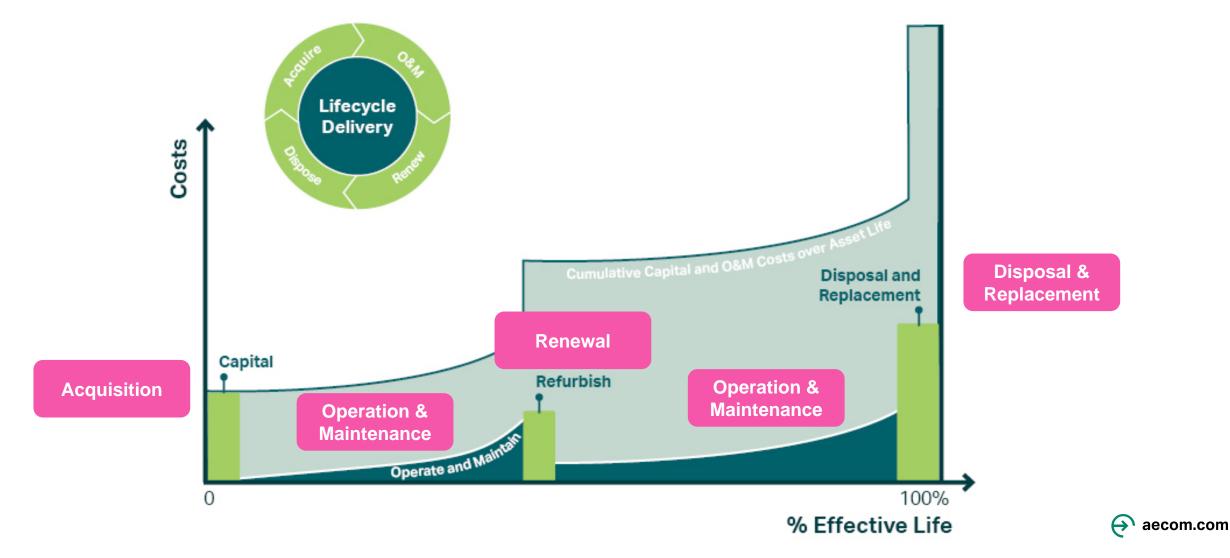
Example LoS Measures

Asset Class	Community Measures	Technical Measures
Facilities	Property proximities to public Libraries (map)	Percent of Facilities above target FCI
Parks	Property proximities to public Parks (map)	Hectares of maintained Parkland per 1,000 population
Active Transportation	Cycling and Trail Network (map)	Percent of priority Cycling, and Trail Network completed
Traffic Control & Streetlights	Streetlight Network (map)	Percent complete of LED Conversion Program
Fleet	Implementation of "Greening" the Fleet Strategy (including number of Electric and Hybrid vehicles in service)	Gas mileage of vehicles by class (light, medium, heavy)
Fire	Response area of fire halls (map)	Percent satisfaction based on results from biennial Citizen Satisfaction Survey

NOTE: The City has compiled data for all LoS measures, but the AM Plans favored an initial streamlined approach and do not yet have all the measures included

3. What are the Asset Lifecycle Strategies?

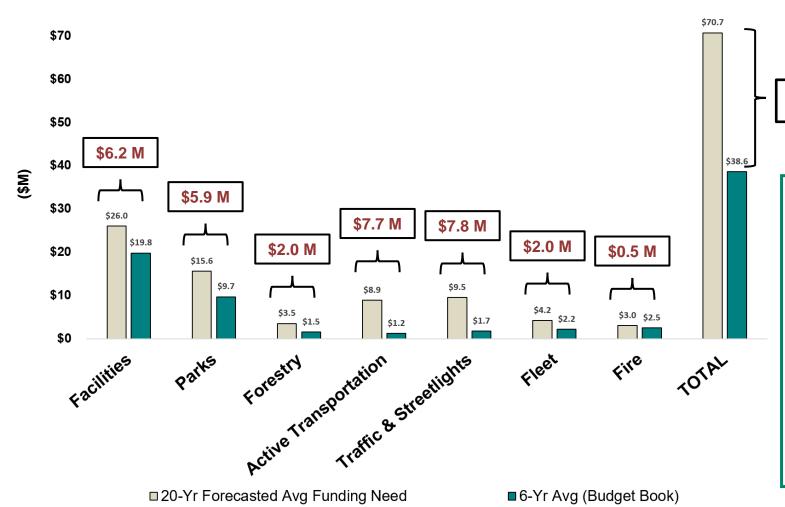




4. What are the Funding Needs? (1 of 2)



Non-Core Assets: Capital Asset Funding Needs



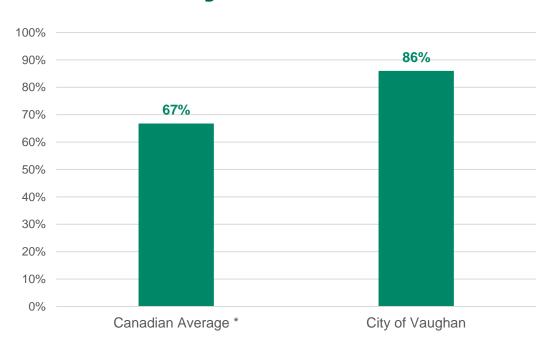
NOTE:

- The current Non-Core asset capital investment rate (based on Budget Book analysis) is only 55% (\$38.6 M) of their average annual 20-year forecasted capital needs (\$70.7 M)
- The Non-Core annual 20-year forecasted capital needs were direct inputs into the Long-Range Fiscal Plan (a presentation by Hemson on this subject will follow the AECOM presentation)

4. What are the Funding Needs? (2 of 2)



Percentage of Facility Assets in Good to Very Good Condition



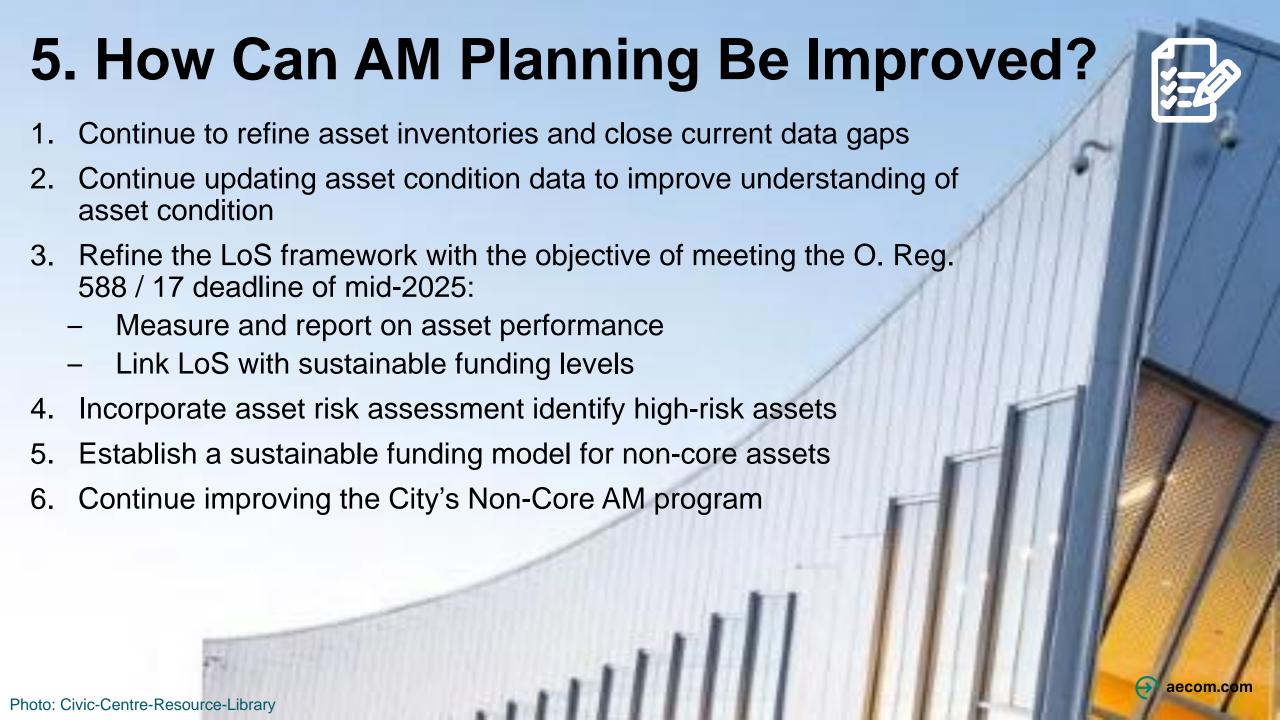


^{*} Source: 2019 Canadian Infrastructure Report Card, Culture and Recreation Facilities including Arenas and Pools, Arts and Culture and Other facilities. Excludes "Unknown"

NOTE:

- Indications are that the City of Vaughan's Non-Core
 assets are in a better condition than its municipal
 peers, considering the example of facility assets shown at
 left.
- However, these asset are continuously ageing and increased capital funding for Non-Core assets is required to:
 - Sustain the high quality of service that the City's customers are accustomed to.
 - Manage risk and avoid unexpected asset failures.
 - Ensure the long-term sustainability of the City's
 \$1.34 B investment in Non-Core assets.



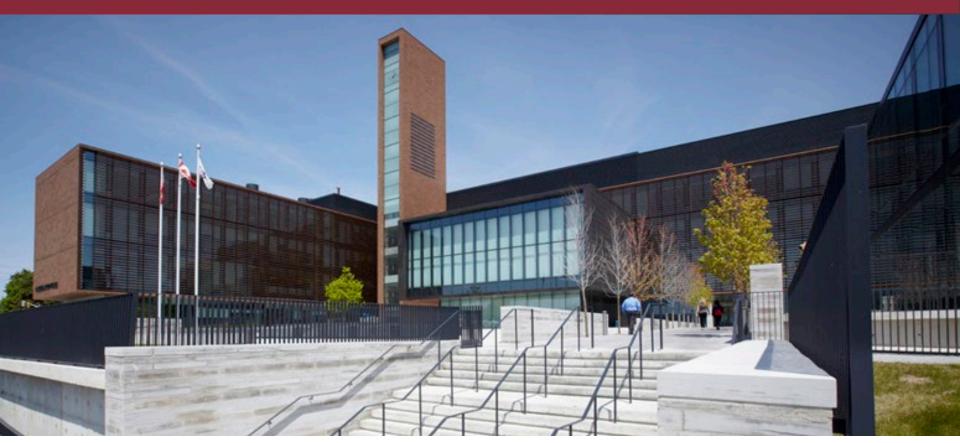


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Council Working Session

Communication : C 2 Committee of the Whole (Working Session) December 7, 2022 Agenda Item # 2

Long Range Fiscal Plan and Forecast



CITY OF VAUGHAN

December 7, 2022

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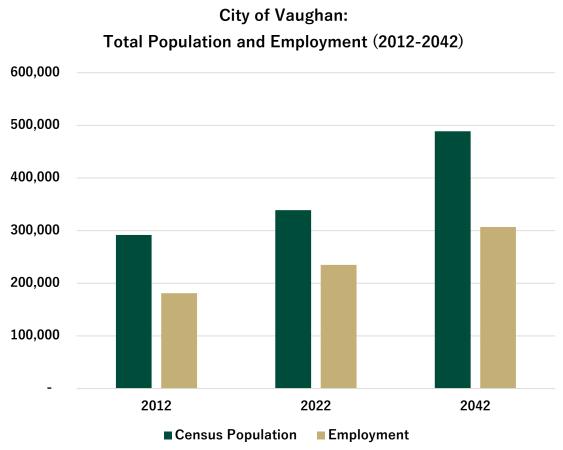


Topics for Discussion

- Growth in the City of Vaughan
- Purpose, Deliverables and Key Outputs of the LRFP
- Key Findings of the LRFP
- Recommendations



The City Continues to Grow



Source: 2022 DC Study.

- Strong population growth and development across the City
 - Census population growth of 16% since 2012
- Employment growth of 30% has occurred since 2012
- By 2042 population expected to grow to 489,000 persons and 307,000 employees



Why is the City Developing a Long Range Fiscal Plan (LRFP)?

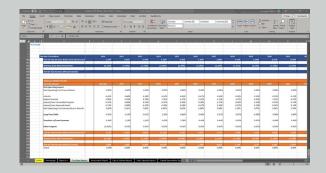
- City's budget process continues to be robust and always evolving
- LRFP to complement the budget process by providing a long-term outlook
- As City grows, a long-term cost outlook helps identify fiscal pressures before they occur
 - Develop fiscal strategies in advance of cost pressures
- Evaluate fiscal effects of changes in City's financial policies



The LRFP is Made Up of Two Key Deliverables

Fiscal Impact Model

- Forecast the future financial position of the City over the next 20 years (to 2042)
- Identify overall capital and operating needs
- Undertake sensitivity testing on key fiscal measures such as: reserve balances, debt levels, tax levy increases, etc.
- Centralized Excel based model that contains key financial data to develop long-term outlook



LRFP Report

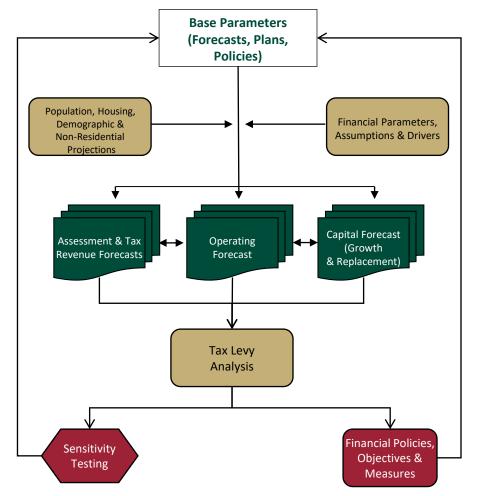
- Overview of 20-year forecast (to 2042)
- Focus on financial viability, management, flexibility and sustainability
- Identification of risks, challenges and opportunities
- Key directions and policy recommendations to be presented to Council
- Report expected in Early 2023





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Fiscal Model Structure



Note: Water/wastewater/stormwater services to be addressed in future phase of the LRFP.

- Forecast extends 20-years to 2042 and deals with all tax funded services
- Capital forecast developed from various City sources
 - 2022 capital budget, 2022 DC Study, current core and non-core AMPs
- City's 2022 budget used as basis for operating forecast
 - Subsequent years based on series of volume and capital induced drivers
 - Can be adjusted to reflect changes in development forecast, capital, reserves, etc.
- All values expressed in constant 2022 dollars



The LRFP is a Living Document

- Earlier in 2022 the City completed a series of study updates - DC Study, Parkland Acquisition/CIL analysis, and CBC Strategy
 - Recent Provincial legislative changes, Bill 23, have significant impact on these studies which are not reflected in the current LRFP model
- Core-AMPs approved by Council in 2021
 - City has met the requirements of O.Reg. 588/17
- Ongoing updates will be necessary



Key Outputs the City will Consider through LRFP

Output Name	Description	
Operating	 Operating cost fiscal impacts associated to maintaining levels of service As the City grows, how much do our expenditures increase by over a longer time period? 	
Capital Contributions	 LRFP to develop scenarios of capital contribution levels based on findings of core and non-core asset management plans 	
Infrastructure Reserves	 Reserve levels can be forecasted given capital commitments Are reserve levels adequate today and in the future to undertake City capital obligations? 	
Debt Levels	 Model has been developed to track City debt levels over a 20-year period Tracks debt levels relative to City 10% limit of own source revenues 	
Tax Levy	Tax levy increases that may be needed to undertake both operating and capital obligations	



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What the LRFP is not:

- Land-use plan
- Master servicing plan (requires engineering data)
- Replacement of corporate budget software
- Analysis of staffing requirements
- Model for public use

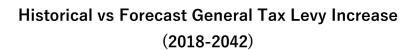


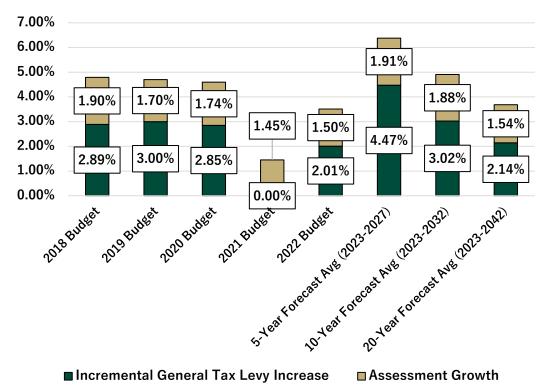
Key Finding #1:

The City will need to plan for tax levy pressures over the short-term while balancing capital commitments over the long-term



Historical vs Forecasted Tax Levy Increase



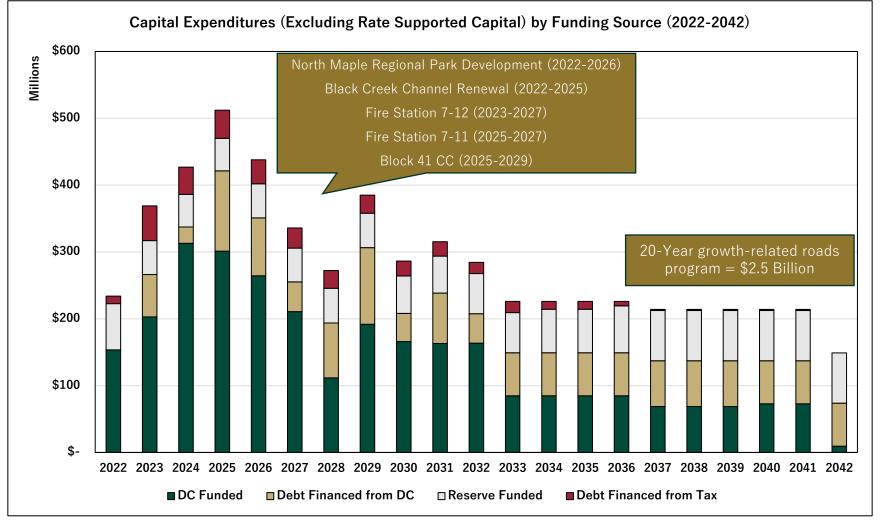


Note: Forecast is in constant 2022 dollars.

- Front-ended forecast pressure associated to operating impact from new infrastructure
- Largely associated to new road construction and new facilities
- Long-term pressure associated to contributions to reserves for future repair/replacement of assets
- Important to recognize outputs reflect best available information



Capital Expenditure Forecast Totals \$6.3 Billion (2022-2042)



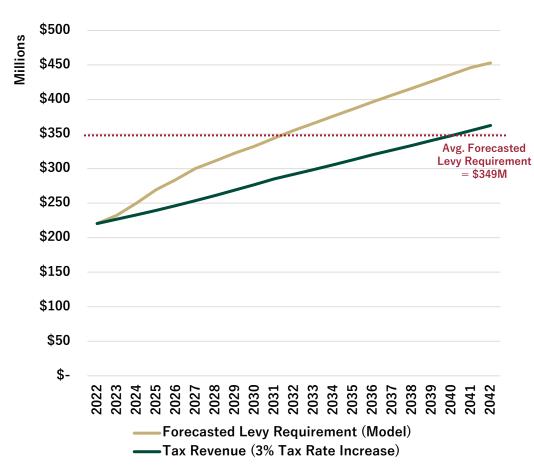


Key Finding #2:

Property taxes will continue to be the City's main source of revenue, however fiscal pressures can occur if status quo tax rate increases are maintained



Forecasted Levy vs. Status Quo Tax Rate Increases



Note: Forecast is in constant 2022 dollars.

- Current tax rates would not be sufficient to fund long-term obligations
- Over the long-term can result in:
 - Deferral of capital
 - Impacts to levels of service

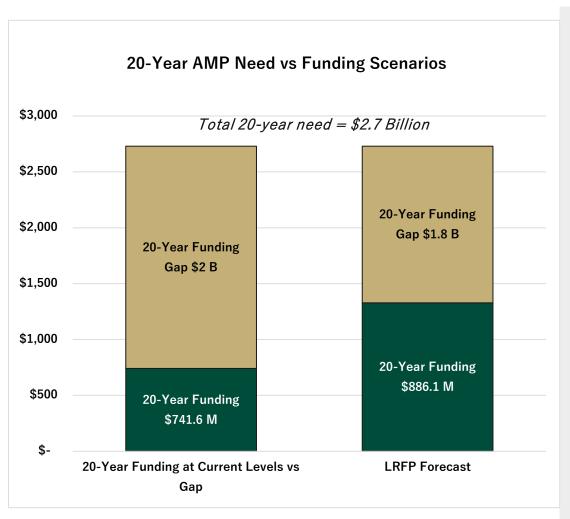


Key Finding #3:

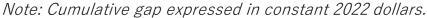
Infrastructure reserves and debt financing are important fiscal tools that will help the City moving forward



Cumulative Infrastructure Gap



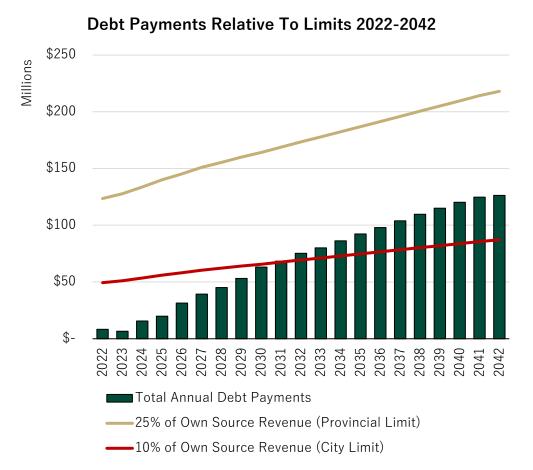
- Total need based on:
 - AMP average needs over 20-year period
 - Future replacement of growthrelated infrastructure
 - Future replacement of assumed infrastructure
- Current funding levels assumed to include:
 - Base contribution to capital reserves of \$23.9 million held constant over 20-year period
 - LRFP forecast assumes an annual increase of about 5.7% to base contribution
 - CCBF annual funding (i.e. former Gas Tax funding)



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Debt Policy Limits 2022-2042



Note: Includes water/wastewater debt assumed in City's water financial plan. Own source revenue includes tax and water/wastewater/storm rate revenue assumed to increase at 2% annually.

- City expected to experience significant debt pressures due to magnitude and timing of capital program
- About \$1.5 billion in total debt funding (about 29% of total 20year capital program)
- Additional pressures can occur due to rising interest rates over the short-term



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Key Recommendations to Improve LRFP

- City has begun developing a long-term capital plan (minimum of 10-years)
 - Capital plan should consider both growth and non-growth related infrastructure
- City may review key infrastructure reserve policies
 - Are reserve levels adequate?
- Explore tools available to help address infrastructure gap, such as debt, service levels, timing, or dedicated infrastructure reserve funding (i.e. infrastructure levy)
- City to continue to track debt levels in line with policy and consistent with budget and re-examine when necessary



Next Steps

- ■LRFP Report Will be available early 2023
- The City is encouraged to continue updating the Fiscal Impact Model to reflect current annual budgets and legislative changes
- Monitor policies alongside updates to the Fiscal Impact Model and use sensitivity testing to gauge impacts on long-term results

