EXECUTIVE-LEVEL REPORTING

Ontario Higher Education Webinar Series

February 6, 2020

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Integrated Asset Management Strategies

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AGENDA

▶ Introductions

▶ Using Your Data to Tell a Story

▶ The Concept of "Less Worse"

▶ Getting Your Data out of VFA

▶ Typical Data Analysis

▶ Planning With Your Data

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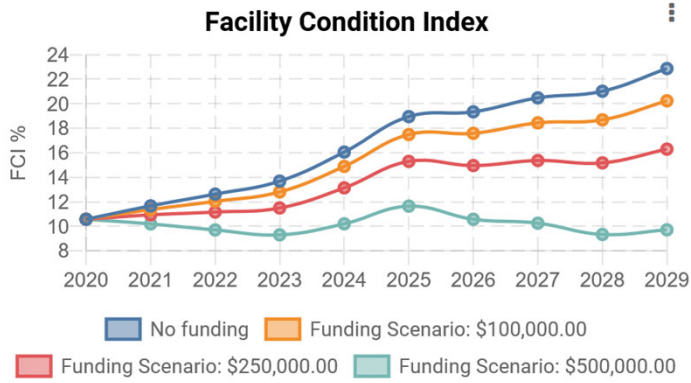
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LESS WORSE?

▶ Underfunding Capital Need has been going on for decades

▶ Most organizations don't have enough resources (staff, money, market capacity) to fix the problem in the near-term

▶ Best most can hope for, based on reality is to "bend the curve"

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LESS WORSE?

Facility Condition Index

Legend:
- No funding
- Funding Scenario: $100,000.00
- Funding Scenario: $250,000.00
- Funding Scenario: $500,000.00

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GETTING YOUR DATA OUT OF VFA.FACILITY

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TYPICAL DATA ANALYSIS

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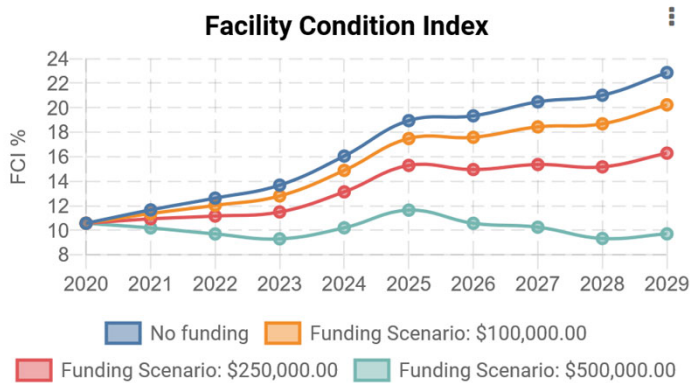
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VFA FUNDING TAB

▶ Functionality within VFA that allows you to apply different funding scenarios to your data

▶ FCAPX licenses to not allow us to access this tab

▶ We will develop a one-pager with the assistance of Spencer and provide it after this session

▶ It is important to verify the results with some QA checks

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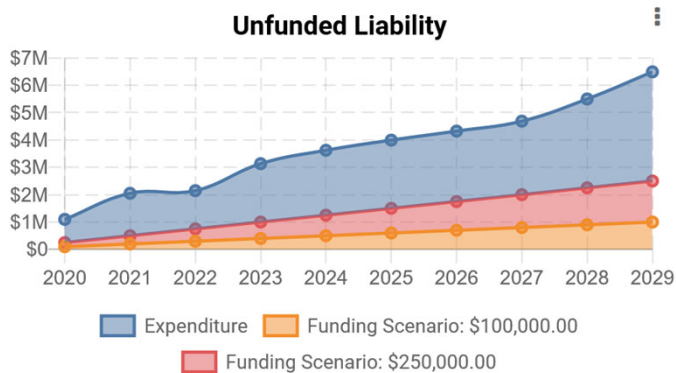
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FCI FUNDING SCENARIOS

Facility Condition Index

Legend:
- No funding
- Funding Scenario: $100,000.00
- Funding Scenario: $250,000.00
- Funding Scenario: $500,000.00

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UNFUNDED LIABILITY

Unfunded Liability

Legend:
- Expenditure
- Funding Scenario: $100,000.00
- Funding Scenario: $250,000.00

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RENEWAL NEED OVER TIME
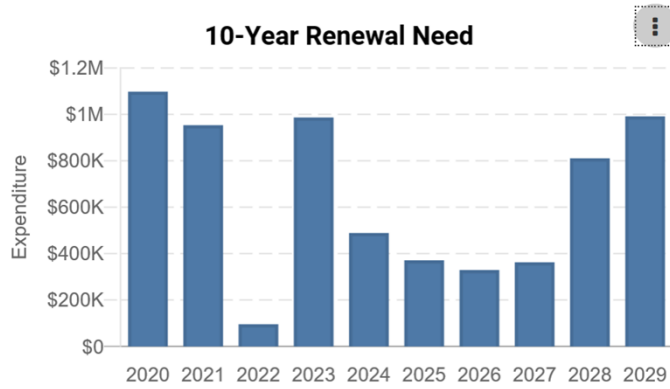
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RENEWAL NEED BY UNIFORMAT
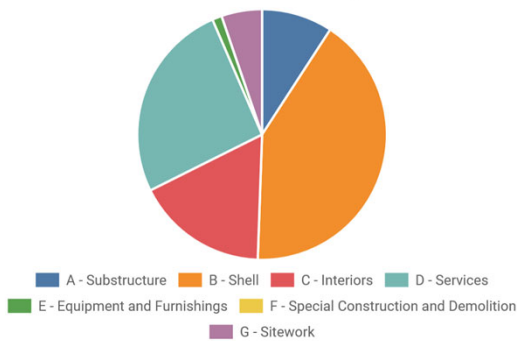
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RENEWAL NEED OVER TIME BY UNIFORMAT
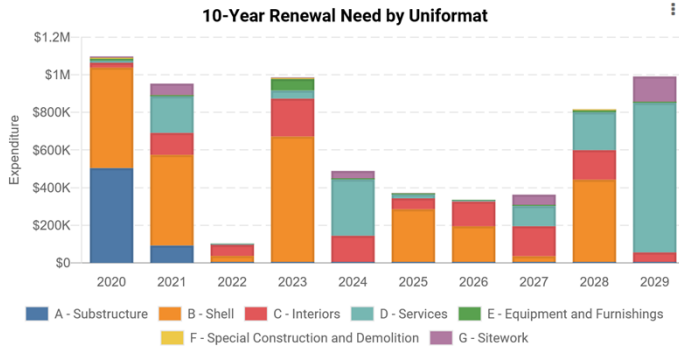
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A PICTURE IS WORTH 1,000 WORDS
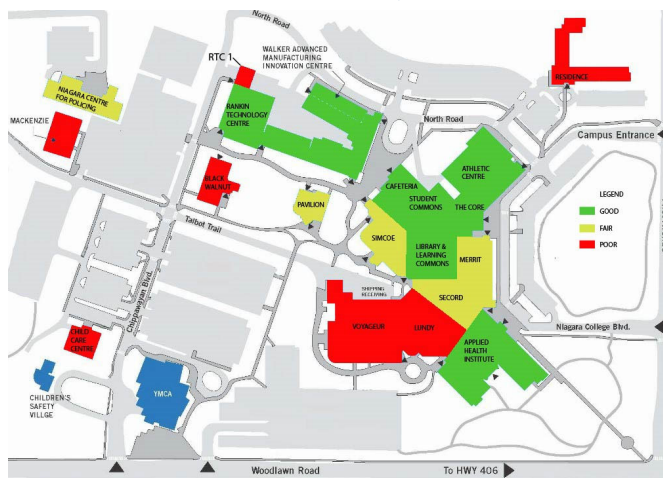
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PLANNING WITH YOUR DATA

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BUILDING A REALISTIC PLAN

▶ Start with a Budget – How big are your buckets?

▶ Integrate Non-BCA Data

    ▶ Specialist-Level Assessments

    ▶ Program Needs

    ▶ Energy and Sustainability Upgrades

    ▶ Environment, Accessibility and Code Issues

▶ How do you Prioritize?

▶ Build a Road Map

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MULTIVARIABLE PRIORITIZATION

BCA Risk/Priority Matrix				
Category-Type	Category	Weighting	Subcategory	Score
Element	Component Criticality/ Implications of Failure (H&S)	20%	None	1
			Nuissance	5
			Program Interruption	20
			Partial Building Closure	40
			Full Building Closure	90
			Fire/Life Safety	100
	Energy Savings Potential	10%	None	1
			Low	33
			Medium	66
			High	100
	Component Condition	25%	Good	10
			Fair	60
			Poor	90
			Critical	100
Asset	Program Type	25%	Storage	1
			Solid Waste Management	10
			Parks	15
			Transit	20
			Admin	25
			Ports	50
			Culture	40
			Utility - Wastewater	60
			Recereation	75
			Field Road	75
			Utilities - Water	90
			Emergency Services	100
	Public Usage	10%	Back-Office	1
			Counter Service	50
			Direct Usage - Infrequent	30
			Direct Usage - Seasonal	75
			Direct Usage - Year Round	100
	Revenue Generation	10%	None	1
			Leased Building	40
			Active Revenue Generation	75
			Program Revenue	100
		100%		

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ROAD MAP

No.	Analysis Code	Explanation	Inclusion/Exclusion	Impacted Events
1	Potential PAR	Schools scheduled for closure or disposition (PAR) were removed from analysis	Exclusion	75
2	Study	Study events removed from Capital Program	Exclusion	20
3	Priority	As insufficient funds are available to address Urgent and High Priority Events. Medium, Low and N/A Priority events were removed from the plan	Exclusion	859
4	Component	Low Priority Components (based on XYZ DSB input) were removed from the plan	Exclusion	82
5	Roofing Consultant Rec	Roofing Consultant Recommended Roof Replacement Project	Inclusion	6
6	Non-Roofing Rec	High Priority Roof Projects from VFA - No Recommendation from Roofing Consultant	Exclusion	19
7	Paving and Concrete	Paving and Concrete events were deemed critical to XYZ DSB and as such were carried through initial analysis	Inclusion	5
8	SRA 2017 to 2020	Events that were included in the 2017-2020 Capital Renewal Plan	Inclusion	8
9	VFA Priority	Year 1 and Year 2 Priorities based on VFA data	Inclusion	11
10	Boilers	Boiler Program In-Place - One School Per Year	Inclusion	6
11	Work Completed	Projects Previously Completed - Need to be updated in VFA	Exclusion	12
12	EI and Util - Energy Comp	High Priority Based on Energy and Utilization Info - Energy-related Components	Inclusion	47
13	EI and Util - Board Override	High Priority Based on Energy and Utilization Info - Board Override	Exclusion	2
14	Board Override	Board Override - Project Removed Based on Staff Feedback	Exclusion	4
15	Skylight	Skylight issues reports at select schools	Inclusion	4
16	Future SRA	To be done as future SRA spending	Exclusion	9
17	Budget	Projects Exceed Project Three Year SCI Budget	Exclusion	141
	Total Recommendations in Raw Data			1310

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THANK YOU!

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