



To The Owners, Strata Plan EPS965 c/o Andrea Williams Proline Management Ltd. 888 Attree Avenue Victoria BC V9B 0A6

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Site Visit: March 18th 2022 Submitted April 6th, 2023 by RDH Building Science Inc. 740 Hillside Avenue #602 Victoria BC V8T 1Z4 The Coho, 286 & 290 Wilfert Road, Victoria, BC

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1 Introduction

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RDH Building Science Inc. (RDH) was retained by Strata Plan EPS965 (Owners) to prepare a Depreciation Report Update (the Report) for the residential complex known as The Coho, which is located at 286 & 290 Wilfert Road, Victoria, BC. The Report considers the common property and limited common property components (the Assets) that the Owners are responsible to maintain, repair, and replace.

The Report is intended to help the Owners, the strata council, and the management team make informed decisions about the allocation of resources to the common property Assets (such as roofs, balconies, boilers, and paving).

This Report meets the requirements stipulated in the current Strata Property Act and Regulations. The Report includes a physical inventory of the common property assets; estimated costs for capital expenditures over a 30-year horizon; and four funding models. Refer to the appendices for RDH's qualifications and information on errors and omissions insurance. In accordance with the requirements of the Act, RDH declares that there is no relationship between the employees of RDH and the Owners.

This report is an update to the original Depreciation Report, which was issued on October 2nd, 2017. As part of our work for this Report, a site visit was completed on March 18th 2022. The financial data is based on the 2022/2023 fiscal year. A draft asset inventory and summary of work completed, was distributed to the strata council and strata management on November 23rd, 2022. Based on additional information provided by the strata, an updated asset inventory and funding models were provided for feedback on March 3rd, 2023. The final report was issued on April 6th, 2023.

The Report is a synopsis of a significant volume of data and has two parts: the summary and the appendices. The summary is intended to provide an overview of the Report. The appendices provide detailed information to support the summary report. The appendices include a glossary of terms. Words that are *italicized* are defined in the glossary.

As the physical and financial status of the Assets change over time, the Report will require updating. The Strata Property Act requires updates to the Report every three years; however, the Owners can choose to update portions of the Report more frequently, at their discretion, to reflect changes to their financial status and completed work.

2 The Coho

The Coho is a 9 year old strata complex, with two buildings that are typically of wood-framed construction, over a shared cast-in-place concrete parking structure. The complex was built in two phases.

The principal systems in the residential complex include the building enclosure (the separation of the interior from exterior space), electrical (the electrical distribution, communications, and security equipment), mechanical (heating, ventilation, and plumbing), elevators, fire safety (sprinklers, fire detection, and egress equipment), interior finishes, amenities, and site work. The Assets within each system are described in detail in Appendix B.

Key physical parameters of The Coho are summarized in Table 2.1, Figure 2.1, and Figure 2.2 below.

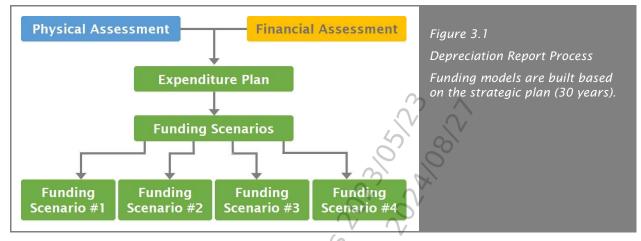
TABLE 2.1 KEY PHYSICAL PARAMETERS	3 1	
	Date of first occupancy (blended)	2014
	→ Phase 1 → Phase 2	December 2012 October 2015
	Approximate gross floor area, including the parkade (ft²)	139,700
	Stories above grade	4
	Total number of strata lots	93
	\rightarrow Phase 1	49
Figure 2.1 Elevation photograph of The Coho	\rightarrow Phase 2	44

Phase 1

Figure 2.2 Aerial photograph of The Coho (© CRD Regional Map).

3 Assessments

The Report combines two distinct types of analysis: a *physical assessment*, and a *financial assessment*. The assessments are used to determine what the Owners possess, what condition the Assets are in, what the Owners are responsible for, and the *capital costs* associated with the Assets.



The process of preparing a Report is summarized in Figure 3.1 below:

The following sections provide a brief overview of the physical assessment and financial assessment.

3.1 Physical Assessment

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The physical assessment has two parts: an inventory and an evaluation.

The Asset Inventory identifies "the common property, the common assets and those parts of a strata lot or limited common property, or both, that the Owners are responsible to maintain or repair under the Act, the Strata Corporation's bylaws or an agreement with an owner" (*Strata Property Act Regulation*, BC Reg 43/2000, Ch. 6.2). In other words, it identifies what the Owners possess and must repair and maintain. The Asset Inventory is included as an appendix to this report.

Some Assets have been identified as placeholders. Placeholder Assets are included in the Asset Inventory for reference purposes, however they are not included in the financial analysis and do not affect the funding models or other financial calculations. Placeholder Assets are identified based on typical agreements with utilities, the Owner's bylaws, and information provided by the strata manager and council. A summary of placeholder assets is provided in Table 3.1 below.

TABLE 3.1 SUMMARY OF PLACEHOLDER ASSETS						
ASSET	PARTY RESPONSIBLE FOR CAPITAL EXPENDITURES					
Mech 03 - Meters - Water	\rightarrow Utility Provider					
Site 10 – Electrical Site Services	→ BC Hydro					

The evaluation is used to forecast common repairs, replacements, and maintenance activities that "usually occur less often than once a year or that do not usually occur" (*Strata Property Act Regulation*, BC Reg

The evaluation is typically based on:

A review of historical documentation such as inspection reports, minutes, invoices, and the general ledger,

Discussions with Strata Corporation representatives,

A visual review of the residential complex, limited to a sample of readily accessible Assets, and

A review of other technical information such as construction drawings and previous investigations or reports.

Destructive testing, disassembly, and performance testing are not included in the physical evaluation; this report does not replace a Warranty Review or Condition Assessment. Please visit <u>www.rdh.com</u> for additional information on Warranty Reviews and Condition Assessments.

The condition of some Assets may be concealed, for example, buried infrastructure such as sanitary drainage lines or building enclosure assets such as waterproofing membranes. For Assets with the potential for concealed failure, a number of tools are used to assign a reasonable expected service life including the typical performance of the asset in other, similar properties; the performance history reported by the Owners; the original drawings; and any previous investigation reports commissioned by the Owners. It is expected that the Owners will need more detailed reviews as Assets approach the end of their service lives. A summary of the asset service lives is provided in the appendices of this Report. Allowances for additional reviews or investigations are included as appropriate. Recommendations taken from any additional reviews should be incorporated into future Report updates.

As part of the physical assessment, RDH compiled a history of completed projects by reviewing the documents provided by the Owners and interviewing Strata Corporation representatives. The history is summarized in Table 3.2 below. The history of renewals establishes the chronological age of the Assets while the history of major maintenance may affect the effective age of the Assets.

TABLE 3.2 MAINTENANCE AND RENEWALS HISTORY AS OF 2018

Building Enclosure

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- 2021 Repaired roof leak (Topline)
- 2021 Repaired masonry and injected concrete to repair parkade leak (Trailside Masonry)

2021 - Cleaned dryer vents

2022 - Completed roof maintenance and sealant repair Dec. 2022 (Warranty review from Dec 2022 indicates loose soffit panels at building 286)

2022- Completed soffit repair at building 290 at south elevation roof gable.

2022 - Completed roof maintenance incl. application of new sealant in localized areas, gutter cleaning, moss removal and small roof repair.

- 2022 Completed powerwash of buildings 286 & 290
- 2022 Completed powerwash of garbage enclosures
- 2022 Repaired garbage enclosures

2022 - Completed targeted painting of buildings 286 & 290 and garbage enclosure

Electrical

2021 - Conducted Infrared testing on electrical distribution system

2021 - Replaced failed enterphone with Mircom Entry Panel with scrolling display incl. Mircom Modern Module

2022 - Installed door operator in parkade elevator lobby & re-key of entrance doors

Mechanical

- ightarrow 2021 Conducted camara inspection in drainage system
- → 2020 Replaced appr. 30' of perforated drainpipe at building 290 incl. new drainboard and filter fabric.
- \rightarrow 2021 Replaced 3 gas fired DHW tanks (same models as existing).
- \rightarrow 2021 Replaced components of hot water tank
- \rightarrow 2021 Replaced failed combustion blower on 286 DHW boiler.
- \rightarrow 2021 Replaced blower fan at building 286

Elevator

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2021 - Completed elevator maintenance.

Fire Safety

2022 - Repaired fire department connection (FDC) at main entrance of building 286

Interior Finishes

2021 - Painted common area hallways and unit doors (a couple of doors to be finished this year)

Amenities

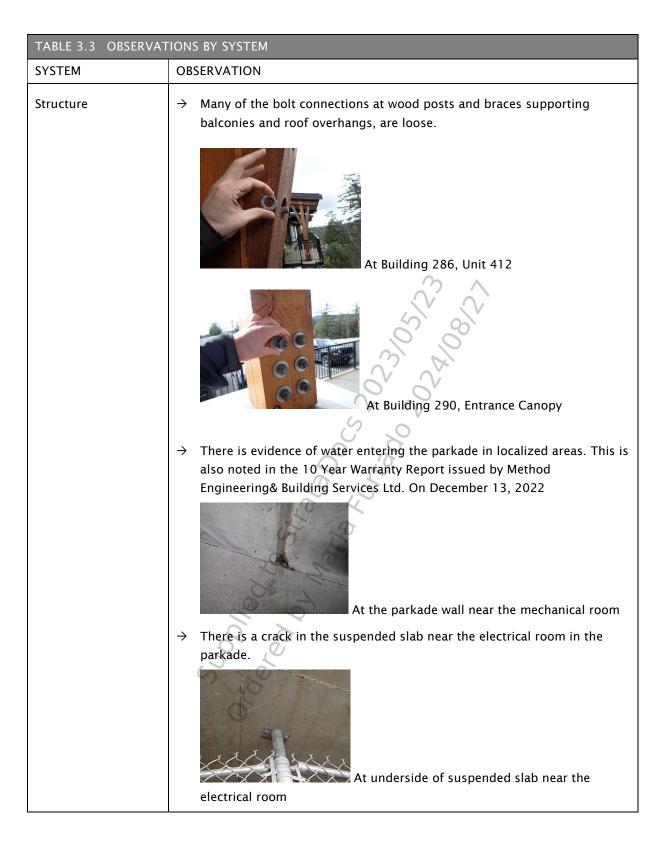
2022 - Converted storage locker area to bike room including sealing and/or painting of concrete walls and floors, and installation of bike racks.

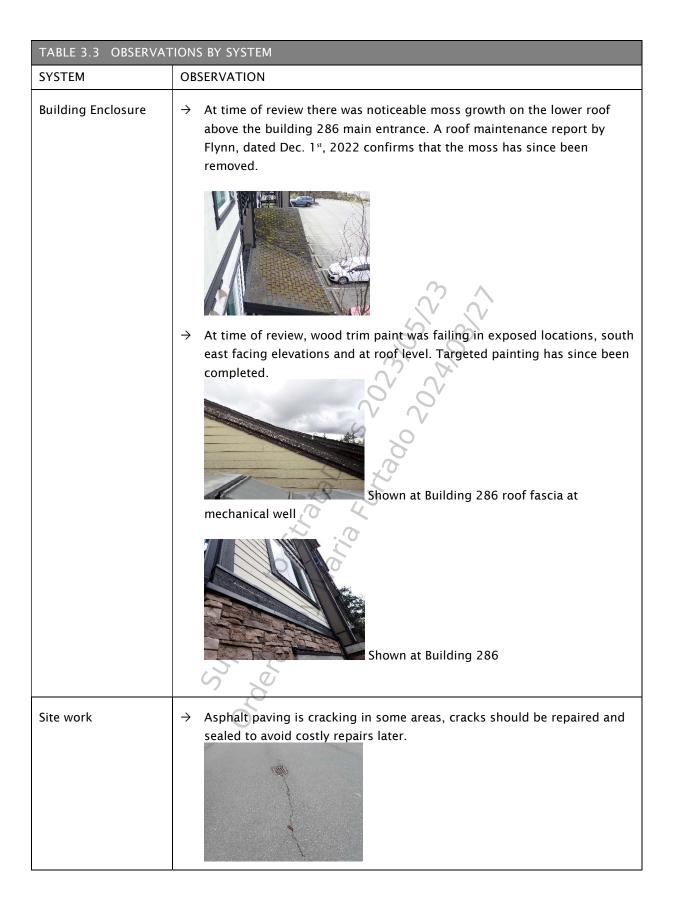
Sitework

2021 - Maintained irrigation equipment.

2022 - Repainted parking lines and added numbers.

On March 18th 2022, two representatives of RDH Building Science Inc. visited the site to visually review the Assets. While the Report does not constitute a maintenance review or condition assessment, some observations regarding the general condition, design and construction of the Assets were made as part of the visual review. These observations were used to determine a reasonable estimated remaining service life of various assets. Table 3.3 on the next page includes examples of some observations made during the review.





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3.2 Financial Assessment

The financial assessment estimates the future costs associated with the Assets, and examines how future funding requirements will be affected by current financial practises. More specifically, the financial assessment identifies:

The opening balance in the Contingency Reserve Fund (CRF).

The estimated value of capital expenditures, expressed in *Current Year Dollars* (CYD).

The estimated future value of capital expenditures, expressed in Future Year Dollars (FYD). These costs are calculated by applying an inflation rate (3% per year) to the current costs.

The future value of major maintenance and renewal costs can be compared against the building reproduction cost. The building reproduction cost is the cost to reproduce the buildings in similar materials, in accordance with current market prices, and is obtained from the most recent insurance appraisal.

The financial assessment begins with a review of the current financial situation of the Owners. Table 3.4 below summarizes the key financial parameters reviewed as part of the financial assessment.

TABLE 3.4 KEY FINANCIAL PARAMETERS								
PARAMETER	ORIGINAL REPORT (2017/2018)	UPDATE REPORT (2022/2023)						
Fiscal year end	February 28 th , 2018	February 28 th , 2023						
Building reproduction cost	\$19,125,000	\$24,635,000						
Operating budget (excluding CRF contribution)	\$291,475	\$378,605.00						
Annual CRF contribution	\$46,000	\$60,500.00						
Opening Balance of the CRF	\$128,870	\$471,570.62						

*The balance in the CRF varies each month as contributions are made and funds are withdrawn for capital renewal projects and major maintenance activities. The accumulated CRF balance is reconciled as of the beginning of the 2022 fiscal year.

The Report includes capital costs only: the costs for activities that occur at intervals greater than one year. Activities that occur annually or more frequently than once a year are considered operating expenses and are not included in the Report funding models and calculations.

Capital costs can be distributed into three general categories:

Catch-up costs. The cost to complete any deferred maintenance and renewals.

Keep-up costs. The cost to complete planned cyclical maintenance and renewals.

Get-ahead costs. The cost to adapt, upgrade and improve.

The Depreciation Report is based on keep-up costs. Get-ahead costs (improvements) may also be included, but only if they are required to meet changing codes or standards.

Costs are considered *Class D* estimates (±50%), as defined by the Engineers and Geoscientists of British Columbia (EGBC), or unless noted otherwise. Unless otherwise noted, soft costs, such as consulting fees and contingency allowances are not included, because these costs are highly dependent on the scope of work for a particular project. Scopes of work for specific projects should be developed well in advance so that project budgets, including soft costs, can be refined.

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The current value of many major maintenance and renewal activities is calculated by multiplying the quantity of an Asset by standard unit rates (for example, the cost per square foot or cost per linear foot). Quantities are measured from original construction documents and visual observations on site. The unit rates are based on historical information, construction trends, information from contractors, and other sources as appropriate. Unit rates will fluctuate over time. Basic unit rates are adjusted for the relative complexity of the property. A detailed list of activities and their associated costs are available through the appendices of this Report.

Costing Caveats

The capital costs given in the Report provide a basic estimate for long term planning. They are intended to help guide priority setting and provide a clearer sense of timing. They are not suitable for planning specific projects as they cannot account for project soft costs such as taxes, grants, engineering or design, municipal permits, etc., or for project specific construction costs such as access to the work (e.g. scaffold), contingencies, hazardous materials, disposal, project management, etc. Such costs cannot be estimated without more information, including a project scope and preliminary design work. Once a n of Sc. ppens well project reaches the planning stages, a reasonable assumption of soft costs should be made based on the actual needs of the project. It is recommended that this happens well in advance of predicted work to allow time to plan for the funding of the soft costs.

4 Expenditures

There are three types of activities that relate to expenditures:

- \rightarrow *Renewal* refers to the replacement or refurbishment of an Asset at the end of its useful service life.
- → *Maintenance* refers to activities that preserve the Assets, to ensure the Assets will last their predicted service lives and perform as expected.
 - → Major maintenance refers to maintenance that occurs at intervals greater than one year, for example, every 18 months, two years, five years. Major maintenance typically includes activities such as testing and inspecting, and is considered a capital expense.
 - → Minor maintenance includes maintenance activities that occur once a year or more frequently such as quarterly or monthly.

The costs associated with major maintenance and renewals are included in the Report funding models as required by the Strata Property Act. Costs associated with minor maintenance are included in the Owners' operating budget.

4.1 Major Maintenance and Renewal Expenditures

Table 4.1 below summarizes all major maintenance and renewal costs by system, including costs forecasted for the next 30 years. The values are rounded.

TABLE 4.1 CAPITAL EXPENDITURES SUMMARY BY SYSTEM							
SYSTEM	10 YEAR CAPITAL COSTS (WITHOUT INFLATION)	10 YEAR CAPITAL COSTS (WITH INFLATION)	30 YEAR CAPITAL COSTS (WITHOUT INFLATION)	30 YEAR CAPITAL COSTS (WITH INFLATION)			
Structural	\$11,000	\$13,000	\$28,000	\$44,000			
Building Enclosure	\$620,000	\$740,000	\$6,100,000	\$11,000,000			
Electrical	\$32,000	\$37,000	\$140,000	\$240,000			
Mechanical	\$180,000	\$210,000	\$1,600,000	\$3,200,000			
Elevator	\$66,000	\$78,000	\$880,000	\$1,200,000			
Fire Safety	\$12,000	\$14,000	\$230,000	\$400,000			
Interior Finishes	\$130,000	\$140,000	\$460,000	\$760,000			
Amenities	\$15,000	\$18,000	\$57,000	\$93,000			
Sitework	\$73,000	\$79,000	\$260,000	\$380,000			
Building Total	\$1,139,000	\$1,329,000	\$9,755,000	\$17,317,000			

Approximately 10% of the Owners' capital expenditures may occur in the next 10 years. The distribution of estimated capital expenditures over the next 10 years is shown in Figure 4.1 on the next page.

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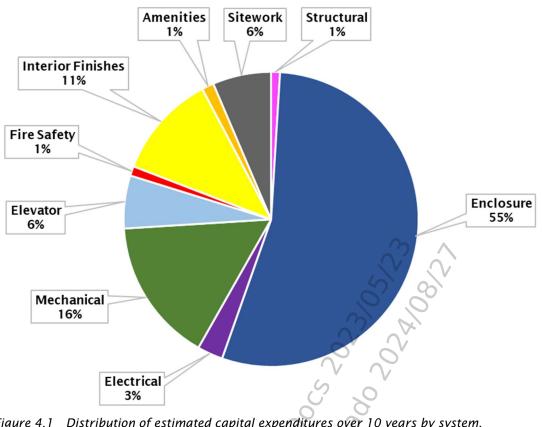


Figure 4.1 Distribution of estimated capital expenditures over 10 years by system.

Section 5 discusses the timing and size of renewal projects forecast for the next 30 years. A detailed list of each major maintenance and renewals activity, including the frequency, costs expressed in current year dollars (CYD), and costs including inflation rates, expressed in future year dollars (FYD) are available to the Owners.

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5 Major Maintenance and Renewals Planning Horizons

There are three common planning horizons, used for making different types of capital planning decisions:

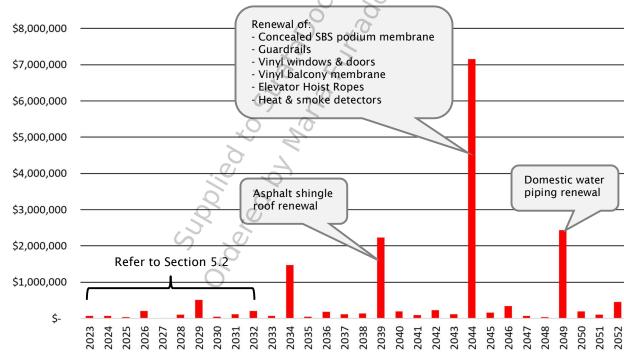
Strategic (30 years): The average service life of many Assets is approximately 25 years (such as roofs) so a long-range view captures most renewal projects. In some cases, an asset may be replaced more than once in the 30-year horizon.

Tactical (5-10 years): Many residential Owners will own their strata lot for less than 10 years; the tactical plan captures projects that may occur while current Owners still have an interest in the Strata Corporation.

Operational (1 year): The annual operating period encompasses one fiscal cycle (12 months). Typically, the budget is presented and approved at the annual general meeting (AGM) and will include any capital expenditures paid from the CRF, as well as the CRF contributions for the year. As a minimum, the decision on the CRF contribution should consider projects forecast for the next five to ten years.

5.1 Strategic Planning Horizon

Estimated major maintenance and renewal costs over the next 30 years are shown on the graph below (Figure 5.1). The red bars represent the estimated value of capital costs.



Strategic Forecast (30 Years), showing the approximate timing and value of some key capital Figure 5.1 expenditures.

Each bar on the graph represents a collection of different major maintenance and renewal activities, each with different values. Detailed information about each year, including a description of the maintenance and renewal activities and estimated costs, is available in the appendices.

The strategic plan represents an estimate of future projects. The actual timing of projects will likely vary. Assets may be replaced earlier or later, depending on the quality of maintenance, in-service conditions, and other factors. The Owners can anticipate changes to the strategic plan with each update of the Report.

5.2 Tactical Planning Horizon

The graph below shows the projected major maintenance and renewal costs for the next ten years (Figure 5.2). Commonly, building managers refer to a five-year tactical plan; however, a ten-year plan allows the Owners to see a wider range of projects.

The bars indicate the years in which an event (or bundle of events) is most likely to occur as well as the total magnitude of major maintenance and renewal costs for that year and the costs broken down by system. The costs associated to correct any warranty defects are not included. The soft costs associated with project implementation, such as site access, design, contract administration, are not included.

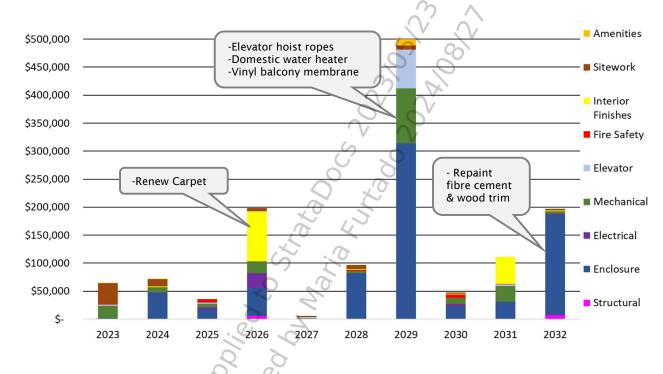


Figure 5.2 Tactical Forecast (10 years), showing the approximate timing and value of some key capital expenditures.

The tactical plan above represents one of many possible approaches to planning major maintenance and renewal activities. The Owners can use this initial plan as a tool, a starting point to identify probable projects, priorities, and strategies. The actual cost, timing, and scope of projects will be determined by the Owners and may be reflected in updates to the Report.

To help the Owners start the project planning process, some of the activities forecast for the next 10 years are listed below. Because the timing is somewhat uncertain, renewals and major maintenance activities are grouped into three and four-year planning periods. The list below is not comprehensive; all renewals and major maintenance activities are included in Appendix B. The list below focuses on renewals likely to cost more than \$10,000 in current year dollars, but also includes maintenance events, assessments, and repairs that are needed to ensure the assets achieve their full service life.

2023 to 2025

Building Enclosure

- → Encl 08 Coating on Concrete Wall Reapplication of the protective coating on concrete wall (10-year cycle).
- → Encl 19 General & Inspections Perform 10-year extended warranty review for phase 2 construction (1x event).
- → Encl 19 General & Inspections Conduct leak and crack investigation at parkade walls and suspended slab (1x event).

Flectrical

→ Elec 01 Electrical Distribution - Conduct infrared thermography, ultrasonic scanning, and cleaning of the main components of the electrical distribution equipment to detect hidden hazards (5-year cycle).

Mechanical

- → Mech 10 Tank DHW Heating Gas Fired Replace original domestic hot water heater (8-year cycle).
- \rightarrow Auger lateral drain lines
 - \rightarrow Mech 14 Drainage Sanitary
- By means of pipe camera service, visually inspect piping runs (5-year cycle). \rightarrow
 - → Mech 05 Drainage Perimeter and Foundation
 - Mech 14 Drainage Sanitary \rightarrow

Sitework

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- → Site 01 Asphalt Paving Reseal asphalt paving and localized crack repairs to mitigate sub-grade softening (10-year cycle).
- Site 04 Metal Fencing Repaint metal fencing as required (10-year cycle). \rightarrow
- Site 09 Soft Landscaping Clearance or pruning of trees and large shrubs (1 x event). \rightarrow
- Powerflush underground drainage piping to clear and remove any buildup of debris (10-year cycle). \rightarrow
 - → Site 11 Underground Drainage Services Storm
 - Site 12 Underground Sewer Services Sewer \rightarrow

2026 to 2028

Structural

→ Struct 01 Exposed Structural Wood - Re-coat or re-finish exposed structural wood as required (6-year cycle).

Building Enclosure

- → Encl 01 Laminated Asphalt Shingle Roof Roof maintenance and repair of damaged roof areas as required (5-year cycle).
- Encl 11 Wood Trim Clean and repaint wood trim (6-year cycle). \rightarrow

- → Encl 12 Vinyl Framed Window Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.] (2-year cycle).
- \rightarrow Encl 19 General & Inspections Conduct an update to the depreciation report (3-year cycle).

Electrical

→ Elec 05 - Proximity Access Control - Modernize components of the proximity access control system, excluding field wiring, as required by technological obsolescence (12-year cycle).

Mechanical

→ Mech 24 - Exhaust Fan - Small Service - Cabinet - Cyclical replacement of failed or damaged general purpose exhaust fans, as required (12-year cycle).

Interior Finishes

→ Finish 01 - Sheet Carpet - Glued Down - Renew carpet (10-year cycle).

2029 to 2032

Building Enclosure

- → Encl 07 Guardrail Aluminum Remove and re-install sections of guardrail in conjunction with balcony waterproofing membrane renewal, including inspect and re-certify guardrail (15-year cycle).
- → Encl 08 Coating on Concrete Wall Repair delaminated or spalled concrete prior to recoating (10-year cycle).
- → Encl 10 Fiber Cement Wall Cladding and Wood Trim Clean and repaint fiber cement cladding (10-year cycle).
- → Encl 16 Exposed Vinyl Balcony Membrane Replace vinyl balcony membrane and associated components (15-year cycle).

Mechanical

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- → Mech 02 Heat Tracing Freeze Protection Cyclical replacement of components of electric heat tracing cable, including control module and pipe insulation (15-year cycle).
- \rightarrow Mech 10 Tank DHW Heating Gas Fired Replace domestic hot water heater (8-year cycle).
- → Mech 16 Pumps Storm Lift and Control Panel Cyclic replacement of sump pump storm lift and control panels (15-year cycle).
- → Mech 19 Outdoor Air Handler Makeup Air Gas Cyclical replacement of pulleys and motors and vibration isolation, as required (8-year cycle).

Elevator

 \rightarrow Elev 01 - Geared Traction, Overhead - Replace elevator hoist ropes (15-year cycle).

Interior Finishes

→ Finish 05 - Paint - Repaint wall surface including preparation of substrate (10-year cycle).

Sitework

→ Site 08 Irrigation System - Cyclical replacement of components of irrigation sprinkler system, as required (15-year cycle).

5.3 Project Implementation

The projects identified in the previous section represent a preliminary step that is only intended to help the Owners identify, prioritize, and plan projects. Most significant renewal projects identified in the Report will subsequently go through four basic steps before implementing the work: Assessment, Design, Documentation, and Quotation (Figure 5.3).

Assessment – Determines what work must be done, what should be done and what could be done in general terms. The evaluation will help the Owners understand the risks and opportunities associated with deferring or implementing renewals work.

Design - Refines the recommendations from the evaluation, and defines what work will be done in a specific project. The Design may include recommendations for different project strategies such as phasing or bundling projects, or may include recommendations for upgrades.

Documentation - Describes the project in enough technical detail to get competitive pricing.

Quotation – Obtains competitive pricing from different contractors or service providers to perform the work described in the documents, including alternate prices for optional work.

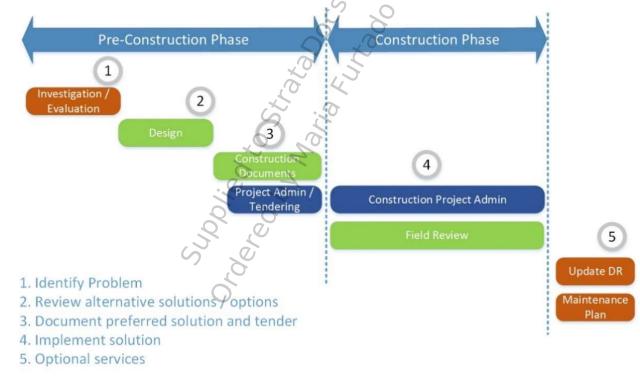


Figure 5.3 Typical phases and sub-phases associated with implementation of a renewal project.

The time period for each step can range from a few days to a few months or more, depending on the scale of the project under consideration. The budget and scope of work will be refined in each step. Most estimates currently included in the Report are considered Class D (\pm 50%) due to the lack of information regarding specific projects and are based on a number of general assumptions regarding scopes of work.

The Owners can implement projects in a variety of ways, including:

Phased Projects. These projects are carried out in multiple stages rather than as a single coordinated project. Phased projects can reduce the financial burden by spreading the costs over a longer time period.

Example: the asphalt shingle roof at 286 Wilfert Road would be replaced at a different time than the asphalt shingle roof at 290 Wilfert Road.

Comprehensive Projects. These projects are implemented as one coordinated undertaking. Comprehensive projects may allow the Owners to leverage the best economies of scale, shorten the overall duration, and lower the overall costs.

Example: the exterior fiber cement wall cladding and wood trim is repainted at the same time at all locations.

Bundled Projects. These projects bundle or combine various related renewal activities (e.g. renewals that are located in close physical proximity, or that require the same type of trade workers). Bundled projects may allow the Owners to leverage economies of scale and lower the overall costs, improve the quality of the work, and incorporate upgrades.

Example: the balcony doors would be replaced at the same time as the vinyl membrane at balconies. The scope of the Report does not compare different implementation methods.

6 Funding Scenarios

The physical assessment and financial assessment were used to create a tentative schedule and budget for forecasted major maintenance and renewal projects. Within this section, hypothetical *funding scenarios*, also known as *funding models*, based on different annual contributions to the contingency reserve fund (CRF) are presented.

The Owners can use the funding scenarios to choose an appropriate funding strategy, based on their tolerance for risk and desired standard of care for the property. RDH provides the tools so the Owners can determine a CRF contribution that suits their needs.

6.1 Minimum Funding Requirements

The Strata Property Act Regulations, BC Reg 43/2000, Ch. 6.1. (Figure 6.1), dictates that if the CRF closing balance at the end of the fiscal year is less than 25% of the operating budget for the fiscal year that just ended, then the Owners must contribute the lesser of:

10% of the total amount budgeted for the contribution to the operating fund for the current fiscal year, or

The amount required to bring the contingency reserve fund to at least 25% of the total amount budgeted for the contribution to the operating fund for the current fiscal year.

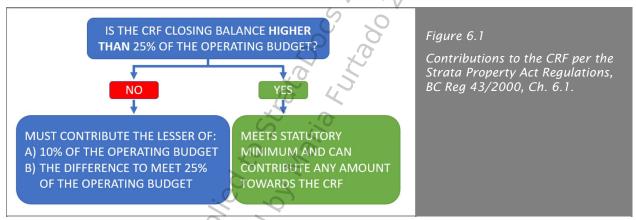


Table 6.1 on the next page shows the calculation to confirm the Owners meet the minimum requirements set out in the Strata Property Act Regulation.

TABLE 6.1 MINIMUM FUNDING REQUIREMENT CALCULATION			
PARAMETER	VALU	VALUE	
2022/2023 operating budget (excluding CRF contribution)	\$	378,605	
\rightarrow 25% of the operating budget	\$	94,651	
\rightarrow 10% of the operating budget	\$	37,861	
2021/2022 CRF closing balance	\$	471,571	
2022/2023CRF Contribution	\$	60,500	
Does the CRF closing balance exceed 25% of the operating budget?		Yes	
Does the CRF contribution exceed 10% of the operating budget?		Yes	

6.2 Funding Scenario Comparison

The funding scenarios below compare the financial impact of different funding levels over the next 30 years. The scenarios serve as a sensitivity analysis that allow the Owners to evaluate how changes to the contingency reserve fund impact the number and size of special levies. The actual size and timing of special levies will be affected by how the Owners choose to implement the renewal projects.

While there are many different scenarios that can be generated, Table 6.2 on the next page compares the following alternatives:

Current (2022/2023). The CRF allocation that was approved by the Owners at the 2022 Annual General Meeting.

Alternative #1. This funding scenario is based on an initial annual CRF contribution of \$90,000, and continues with a 2% annual increase thereafter.

Alternative #2. This funding scenario is based on a fixed increased contribution and is selected to provide a logical benchmark between the current and progressive CRF allocations. The alternative funding scenarios are just two of many possible scenarios for the Owners' consideration.

Progressive. This is the annual contribution that would need to be set aside, commencing in the first fiscal year of this Report, to ensure that the reserve balance is sufficient to eliminate or bring special levies over a 30-year period to a minimum. With "progressive" reserve allocation, building complexes with underfunded reserves may still require some special levies at some point in their strategic plan. The "progressive" reserve contribution is an optimum target that the Owners could use as a guide. The progressive reserve allocation is an idealistic target that typically represents an upper bound for the CRF allocation amount.

Progressive Reserve (not summarized). If the Owners wished to offset all forecasted capital expenditures over the next 30 years, an average CRF contribution of approximately \$517,500 per year (or an average of approximately \$464 per suite, per month) would be required.

TABLE 6.2 COMPARISON OF DIFFERENT FUNDING SCENARIOS							
	CURRENT FUNDING MODEL	ALTERNATIVE #1 FUNDING MODEL	ALTERNATIVE #2 FUNDING MODEL	PROGRESSIVE FUNDING MODEL			
Annual CRF allocation	\$60,500	Starting at \$90,000 +	\$180,000	\$264,000			
Annual CRF increase	0 %	2 %	0 %	0 %			
Percent of progressive reserve	23%	34%	68%	100%			
CRF contribution per average strata lot		Starting at					
Per month	\$54	\$81 +	\$161	\$237			
Per year	\$651	\$968 +	\$1,935	\$2,839			
Approximate number of special levies (over 30 years)	21	10	8	3			
Approximate value of special levies (over 30 years)	\$14.8M	\$12.9M	\$11.0M	\$8.3M			
Minimum Closing Balance	\$2,000	\$2,000	\$2,000	\$2,000			
Assumed Inflation Rate	3 %	3 %	3 %	3 %			
Assumed Interest Rate	2 %	2 %	2 %	2 %			

The following sections of the report provide more detailed information about each funding scenario, including a graph showing the closing balance of the CRF, annual CRF contributions, and the approximate value of special levies. Tables with ten years of cash flow data are also provided.

Appendix E includes 30 years of cash flow data for each funding scenario.

s of cash flow data for each

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6.3 Current (2022/2023) Funding Scenario

The current funding scenario is based on the CRF contribution approved by the Owners at the 2022 annual general meeting. The scenario is based on a fixed annual CRF contribution (no increases).

TABLE 6.	3 CURRENT FU	JNDING SCENAF	RIO: CASH FLOW	/ TABLE		
FISCAL YEAR	CRF OPENING BALANCE	RESERVE CONTRIBUTION	SPECIAL LEVY	RESERVE INCOME	RENEWAL COSTS	CRF CLOSING BALANCE
2023	\$471,571	\$60,500	\$0	\$9,431	\$64,530	\$476,972
2024	\$476,972	\$60,500	\$0	\$9,539	\$72,070	\$474,941
2025	\$474,941	\$60,500	\$0	\$9,499	\$36,020	\$508,920
2026	\$508,920	\$60,500	\$0	\$10,178	\$198,540	\$381,059
2027	\$381,059	\$60,500	\$0	\$7,621	\$5,840	\$443,340
2028	\$443,340	\$60,500	\$0	\$8,867	\$96,700	\$416,007
2029	\$416,007	\$60,500	\$22,623	\$8,320	\$505,450	\$2,000
2030	\$2,000	\$60,500	\$0	\$40	\$47,870	\$14,670
2031	\$14,670	\$60,500	\$37,937	\$293	\$111,400	\$2,000
2032	\$2,000	\$60,500	\$136,440	\$40	\$196,980	\$2,000

The graph below shows the annual contribution to the CRF, the closing balance of the CRF, and the size of the special levies forecast for the next 30 years.

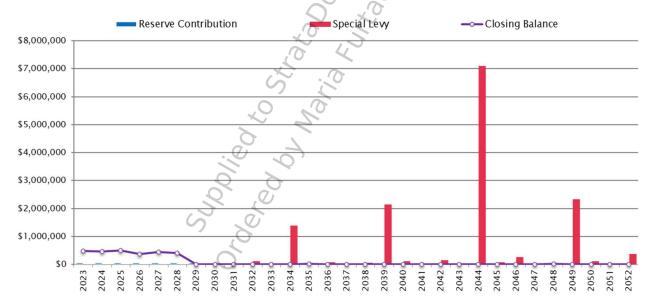


Figure 6.1 CRF balance, contribution, and special levies based on the current funding.

Alternative Funding Scenario #1 6.4

Alternative funding scenario #1 on an initial annual CRF contribution of \$90,000, with a 2% annual increase. The initial annual contribution is approximately 150% of the current contribution.

TABLE 6.	4 ALTERNATI\	/E #1 FUNDING	SCENARIO: CAS	H FLOW TABLE		
FISCAL YEAR	CRF OPENING BALANCE	RESERVE CONTRIBUTION	SPECIAL LEVY	RESERVE INCOME	RENEWAL COSTS	CRF CLOSING BALANC
2023	\$471,571	\$90,000	\$0	\$9,431	\$64,530	\$506,472
2024	\$506,472	\$91,800	\$0	\$10,129	\$72,070	\$536,33
2025	\$536,331	\$93,636	\$0	\$10,727	\$36,020	\$604,674
2026	\$604,674	\$95,509	\$0	\$12,093	\$198,540	\$513,73
2027	\$513,736	\$97,419	\$0	\$10,275	\$5,840	\$615,59
2028	\$615,590	\$99,367	\$0	\$12,312	\$96,700	\$630,56
2029	\$630,569	\$101,355	\$0	\$12,611	\$505,450	\$239,08
2030	\$239,085	\$103,382	\$0	\$4,782	\$47,870	\$299,378
2031	\$299,378	\$105,449	\$0	\$5,988	\$111,400	\$299,41
2032	\$299,415	\$107,558	\$0	\$5,988	\$196,980	\$215,982
	,	,	֥			

Alternative funding scenario #1 eliminates some of the smaller levies, but it is not adequate to offset all the special levies over the 30-year planning horizon. The graph below shows the annual contribution to the CRF, the closing balance of the CRF, and the size of the special levies forecast for the next 30 years.

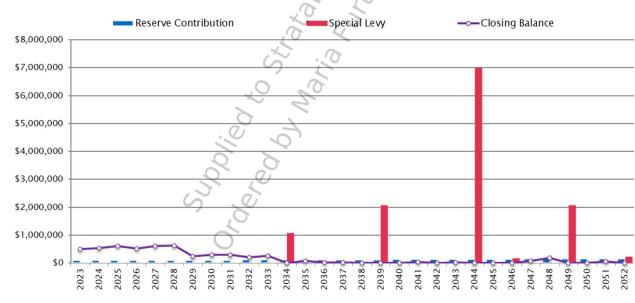


Figure 6.2 CRF balance, contribution, and special levies based on Alternative #1.

6.5 Alternative Funding Scenario #2

Alternative funding scenario #2 is based on a fixed annual CRF contribution. The contribution is nearly three times the current funding level.

FISCAL YEARCRF OPE BALA2023\$471	ANCE CONTRIBUTION		RESERVE INCOME	RENEWAL COSTS	CRF CLOSING
2023 \$471	571 \$180.000			00010	BALANCE
	, 57 \$100,000	\$0	\$9,431	\$64,530	\$596,472
2024 \$596	\$180,000	\$0	\$11,929	\$72,070	\$716,331
2025 \$716	\$,331 \$180,000	\$0	\$14,327	\$36,020	\$874,638
2026 \$874	,638 \$180,000	\$0	\$17,493	\$198,540	\$873,591
2027 \$873	\$,591 \$180,000	\$0	\$17,472	\$5,840	\$1,065,223
2028 \$1,065	\$,223 \$180,000	\$0	\$21,304	\$96,700	\$1,169,827
2029 \$1,169	9,827 \$180,000	\$0	\$23,397	\$505,450	\$867,774
2030 \$867	\$180,000	\$0	\$17,355	\$47,870	\$1,017,259
2031 \$1,017	7,259 \$180,000	\$0	\$20,345	\$111,400	\$1,106,204
2032 \$1,106	5,204 \$180,000	\$0	\$22,124	\$196,980	\$1,111,348

Alternative funding scenario #2 eliminates all but one special levy within the next 16 years, but it is not adequate to offset all the special levies over the 30-year planning horizon. The graph below shows the annual contribution to the CRF, the closing balance of the CRF, and the size of the special levies forecast for the next 30 years.

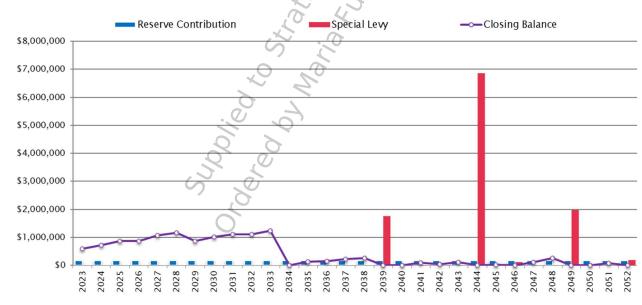


Figure 6.3 CRF balance, contribution, and special levies based on Alternative #2.

Progressive Funding Scenario 6.6

The progressive funding scenario is based on a fixed annual CRF contribution and represents a theoretical upper limit of CRF funding.

TABLE 6.	6 PROGRESSIV	E FUNDING SCE	NARIO: CASH F	LOW TABLE		
FISCAL YEAR	CRF OPENING BALANCE	RESERVE CONTRIBUTION	SPECIAL LEVY	RESERVE INCOME	RENEWAL COSTS	CRF CLOSING BALANCE
2023	\$471,571	\$264,000	\$0	\$9,431	\$64,530	\$680,472
2024	\$680,472	\$264,000	\$0	\$13,609	\$72,070	\$886,011
2025	\$886,011	\$264,000	\$0	\$17,720	\$36,020	\$1,131,712
2026	\$1,131,712	\$264,000	\$0	\$22,634	\$198,540	\$1,219,806
2027	\$1,219,806	\$264,000	\$0	\$24,396	\$5,840	\$1,502,362
2028	\$1,502,362	\$264,000	\$0	\$30,047	\$96,700	\$1,699,709
2029	\$1,699,709	\$264,000	\$0	\$33,994	\$505,450	\$1,492,253
2030	\$1,492,253	\$264,000	\$0	\$29,845	\$47,870	\$1,738,229
2031	\$1,738,229	\$264,000	\$0	\$34,765	\$111,400	\$1,925,593
2032	\$1,925,593	\$264,000	\$0	\$38,512	\$196,980	\$2,031,125
				$O' \rightarrow V$		

The Progressive reserve would offset all special levies within the next 16 years and further reduce the number and sizes of special levies. However, because of the timing of anticipated renewal projects, this fixed annual contribution will not eliminate all special levies over the 30-year planning horizon. The graph below shows the annual contribution to the CRF, the closing balance of the CRF, and the size of the special levies forecast for the next 30 years.



Figure 6.4 CRF balance, contribution and special levies based on a Progressive Reserve calculation.

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7 Next Steps

The Report identifies the possible major maintenance and renewal expenditures that The Coho may encounter over the next 30 years. Estimated timelines have been provided to assist the Owners with the planning process; however, the Report should be considered a first step when planning for renewals. Funding scenarios have been developed to provide the Owners with an objective basis for determining appropriate CRF contributions.

The Coho is a 9 year old building complex (as of 2023), and some significant Assets, such as replacing asset #Encl16 - Exposed Vinyl Balcony Membrane, will likely need to be renewed in the next 10 years. Aside from the potential renewal of the balcony membranes, most expenditures that occur over the next ten years relate to the major maintenance of the assets, such as drainage cleaning, repainting and localized repair of various claddings. This is a fairly typical renewal pattern for younger Strata Corporations such as the Coho.

In addition, Assets such as components of the fire safety equipment and elevators may also require renewal within the next 10 years. Similar to the building enclosure system, it is recommended that the Owners consider additional investigations of these systems to confirm renewal requirements, particularly for the life safety Assets, such as the fire safety equipment, and update the renewal forecast accordingly.

Other expenditures that occur over the next 10 years relate to the major maintenance of the Assets, such as cleaning and inspection of drainage and electrical equipment, as well as the cyclical renewal of aging and high-use mechanical equipment. The Owners should continue to be diligent in performing maintenance tasks so assets may achieve their full service life. It is unlikely that the Owners can avoid special levies in the near future; however, there may be opportunities to reduce the scope of work needed or otherwise manage projects to alleviate the financial impact on individual Owners.

Over the past five years since the original Depreciation Report was issued, the Coho Strata has improved their contingency reserve funding. This has allowed the Owners to build up a stronger contingency reserve fund, in comparison to their original report funding, while continuing to perform maintenance of a number of assets. By continuing to save early for anticipated large expenditures, the Owners will benefit from accrued interest and financial preparedness, while minimizing the amount of special levies.

The recommendations below are intended to aid the Owners in the next steps of the renewals planning process.

Recommendations

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- → Project Planning: Review the information in Section 5.2, and begin planning for significant projects, including commissioning condition assessments, requesting information, and preparing construction budgets, well in advance of the forecasted date of renewal. The planning process will assist the Owners in refining the actual timing, scope of work, and project budget.
- → **Major Maintenance** Planning: Review Appendix B for a detailed checklist of forecasted major maintenance activities and renewals on an annual basis.
- → Record keeping: Record significant renewals, repairs, and maintenance activities. These records will be used to improve the forecast at the time of the next Depreciation Report Update.
- → Contingency Reserve Fund Planning. On a yearly basis, review and update the Contingency Reserve Fund Planning (CRF) funding strategy based on the estimated forecasts presented in the Report and update information obtained from assessments, investigations, and quotation.

- → Maintenance Plan. Using the Asset Inventory, develop a maintenance plan, or commission a maintenance plan through RDH. The maintenance plan should provide the Owners with information on how and when to implement different maintenance activities.
- → Investigation & Review of the Buried Infrastructure. Conduct a review of the buried drainage systems on site and throughout the buildings, in particular the foundation, storm, and sanitary drainage systems via pipe camera inspection, prior to the update to the Depreciation Report in three years' time.
- → Investigation of Concrete Parkade Structure. Conduct a leak and crack investigation in the parkade to determine the cause of localized leaks and cracks and plan for repairs as required prior to the update of the Depreciation Report in three years' time.
- → Further Investigations. Conduct additional condition assessments/investigations, as required, to refine the data and confirm assumptions.
- → Updates. Plan for an update to the Report in three years' time. On a yearly basis, the Stata Corporation should review and update their CRF funding strategy based on the estimated forecasts presented in the Report.

Yours truly,

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Appendix A Glossary of Terms

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Glossary

Annual Contribution – Funds allocated to the Reserve Fund each fiscal year. Sometimes referred to as the Annual Allocation. Determining the appropriate size of the Annual Allocation is aided with a Reserve Study (a Depreciation Report in B.C.).

Asset - An integrated assembly of multiple physical components, which requires periodic maintenance, repair and eventual renewal. Typical examples of assets are: roofs, boilers and hallway carpets.

Asset Inventory – The common assets and those parts of a strata lot or limited common property, or both, that the Strata Corporation is responsible to maintain and repair.

Balcony - A horizontal surface that projects from the building and does not directly protect the interior from water ingress. Compare with Deck.

Bundled Projects - Projects that bundle or combine various related renewal activities into a single project.

Capital Costs – Fixed, one-time expenses after which there will only be recurring operational or running costs. Capital costs can be distributed into three general categories: *Catch-up costs*, *Keep-up costs* and *Get-ahead costs*.

Catch-up Costs – The costs associated with the accumulated backlog of deferred maintenance associated with the assets.

Chronological Age - The calendar age of an Asset. Compare with Effective Age.

Classes of Cost Estimates – Until a project is actually constructed, a cost estimate represents the best judgement of the professional according to their experience and knowledge and the information available at the time. Its completeness and accuracy is influenced by many factors, including the project status and development stage. Estimates have a limited life and are subject to inflation and fluctuating market conditions. The precision of cost estimating is categorized into the following four classes and are as defined in guidelines prepared by the Association of Professional Engineers and Geoscientists of B.C. The percentage figures in parentheses refer to the level of precision or reliability of the cost estimates.

- → Class A Estimate (±10-15%): A detailed estimate based on quantity take-offs from final drawings and specifications. It is used to evaluate tenders or as a basis of cost control during day-labour construction.
- → Class B Estimate (±15-25%): An estimate prepared after site investigations and studies have been completed, and the major systems defined. It is based on a project brief and preliminary design. It is used for obtaining effective project approval and for budgetary control.
- → Class C Estimate (±25-40%): An estimate prepared with limited site information and based on probable conditions affecting the project. It represents the summation of all identifiable project elemental costs and is used for program planning, to establish a more specific definition of client needs and to obtain preliminary project approval.
- → Class D Estimate (±50%): A preliminary estimate which, due to little or no site information, indicates the approximate magnitude of cost of the proposed project, based on the client's broad requirements. This overall cost estimate may be derived from lump sum or unit costs for a similar project. It may be used in developing long term capital plans and for preliminary discussion of proposed capital projects.

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Closing Balance - Alternatively referred to as the Starting Balance. The balance of funds remaining in the reserve account at the end of a fiscal period (Fiscal year end, calendar year or study period). The Closing Balance becomes the Opening Balance for the subsequent fiscal period.

Comprehensive Projects - Projects that are implemented as one coordinated undertaking.

Contingency Costs - An allowance for unexpected or unforeseen costs that may impact monies required for projects to maintain or replace assets. (Not to be confused with costs of Renewal or Major Maintenance projects which are paid for out of the Reserve Fund)

Contingency Reserve Fund (CRF) - Also known as Reserve Fund. The account into which the accumulated Annual Contributions are deposited and from which costs are withdrawn for Renewal projects and Major Maintenance projects.

Current Year Dollars (CYD) - Dollars in the year they were actually received or paid, unadjusted for price changes. Compare with Future Year Dollars.

Deck- A horizontal surface that protects interior space from water ingress. The surface functions as a roof. Compare with Balcony.

Drained Wall Assembly - Also known as rainscreen wall assembly. Refers to a strategy for rain penetration control that relies on deflection of the majority of water at the cladding (stucco, wood, etc.) but also incorporates a cavity that provides a drainage path for water that penetrates past the cladding. In drained/rainscreen wall assembly the cladding is installed on strapping or furring strips so that there is a gap between it and the *sheathing membrane*. Compare with Undrained Wall Assembly.

Effective Age – The Age of an asset relative to its condition. Compare with Chronological Age.

Financial Assessment - Also known as a financial analysis. The cost estimates associated with major maintenance and renewal projects, and identifications of funds in the contingency reserve fund (CRF) that may be available to pay for these costs.

Funding Model - Also known as a Funding Scenario. A mathematical model used to establish an appropriate funding level for sustaining the assets in a building. All major maintenance and renewal costs are projected onto the CRF balance for the 30-year planning period to demonstrate any years where the CRF balance is predicted to be less than the predicted costs for that year. Running a number of scenarios using different parameters (such as inflation rates and interest rates) can serve as a sensitivity analysis to determine the financial impact of different funding levels. The four main types of funding models are listed below and if used are described in Section 6 of the Report.

- → Statutory Funding Model
- → Current Funding Model
- → Alternate Funding Model
- → Progressive Funding Models

Funding Scenarios - See Funding Model

Future Year Dollars (FYD) - The projected cost of future asset renewal projects, which accounts for inflation and escalation factors.

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Get Ahead Costs - These are costs associated with adaptation of the building to counter the forces of retirement associated with different forms of obsolescence, such as:

- → Functional obsolescence Reduction of an object's usefulness or desirability because of an outdated design feature
- → Legal obsolescence Force of retirement of assets due to legislation changes, or other directive/order, issued by an authority having jurisdiction.
- → Style obsolescence When an asset is no longer desirable because it has fallen out of popular fashion

Some of the costs in this category are discretionary spending that result in either a change or an improvement to the existing strata building. This category includes projects to alter the physical plant for changes in use, codes and standards. Some typical examples include:

- **Energy retrofits** ÷
- \rightarrow Code retrofits

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- → Hazardous material abatement
- → Barrier free access retrofits
- → Seismic Upgrades

Keep-up Costs - The monies required for renewal projects as each asset reaches the end of its useful service life. If an asset is not replaced at the end of its useful service life and is kept in operation, through targeted repairs, then these costs get reclassified into the "catch-up" category.

Maintenance - Activities that preserve the Assets, to ensure the Assets will last their predicted service lives and perform as expected.

Major Maintenance - Any maintenance work for common expenses that usually occurs less often than once a year or that do not usually occur. Major maintenance provides for the preservation of assets to ensure that they achieve their full intended service life. Major maintenance is funded from the CRF.

Opening Balance - Alternatively referred to as the Starting Balance. The amount of money in an account at the beginning of a fiscal period. Opening balances are derived from the balance sheet and are used in cash flow calculations in the Funding Model. Compare with Closing Balance.

Operating Costs - Frequently recurring expenses that arise during the course of a single fiscal year and are paid from the operating budget as opposed to the Reserve Fund.

Operational Plan/Horizon (1 year) - The annual operating period encompasses one fiscal cycle (12 months). The Reserve Contribution in the operating budget should reflect the majority of the projects in the Tactical Plan (5 or 10 years) and ideally should also contemplate elements of the Strategic Plan (30 years).

Phased Projects - Projects that are carried out in multiple stages rather than as a single coordinated project.

Physical Assessment - Also known as a physical analysis. The identification of all physical assets the Strata Cooperation is responsible for and the prediction of major maintenance and renewal activities regarding these assets.

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Placeholder – an item or asset that is not currently part of the strata cost of maintenance or repair and may be owned by another entity such as a utility, tenant, or section.

Progressive Reserve - Also known as Percent Funded. The ratio, at a particular point of time (typically the beginning of the fiscal year), of the actual or projected Reserve Fund balance to the accrued Reserve Fund balance, expressed as a percentage. For example: If the 100% funded balance is \$100,000 and there is \$76,000 in the Reserve Fund, the Reserve Fund is 76% funded.

Since funds can typically be allocated from one asset to another with ease, this parameter has no real meaning on an individual reserve component basis. The purpose of this parameter is to identify the relative strength or weakness of the entire Reserve Fund at a particular point in time. The value of this parameter is to provide a more stable measure of Reserve Fund strength, since cash in reserve may mean very different things to different governing bodies or Owner groups.

- \rightarrow **Poor Level** When the Percent Funded falls to 0% 30%, the current reserves may be considered to be at a 'poor' level. At this funding level, Special Levies are common. This is also commonly known as the Unfunded or Special Levy Model. The Owner Group does not have a Reserve Fund balance that will cover expected renewal costs and the only recourse is to raise funds by Special Levies to cover those costs when they become due.
- → Fair Level If the Percent Funded level is 31 to 70% then the current reserve may be considered to be in a mid-range level.
- → Good Level If the Percent Funded level is 70% or higher this is likely to be considered 'strong' because cash flow problems are rare.

Renewal - The replacement or refurbishment of an Asset as it reaches the end of its useful service life.

Renewal Cost - The cost required to replace an Asset, which is paid from the Reserve Fund, Special Levy or combination thereof.

Reserve Contribution - See Annual contribution.

Reserve Fund - See Contingency Reserve Fund (CRF)

Reserve Income - The interest earned from investing the money deposited in the Contingency Reserve Fund.

Reserve Study - Also referred to as a Reserve Fund Study or Depreciation Report in BC.

- \rightarrow A long-range financial planning tool that identifies the current status of the Owners' Reserve Fund and recommends a stable and equitable funding plan to offset the costs of anticipated future major expenditures associated with replacement of the assets and major maintenance.
- \rightarrow The purpose of the Reserve Study is to provide a plan for appropriate funding for renewal and major maintenance work.
- \rightarrow While Reserve Studies provide analysis of the timing, costs, and funding for renewal projects, they should ideally be supported by a maintenance plan that assists the Owners to plan for maintenance activities so that assets achieve their predicted service lives.

Service Life - The estimated period of time over which an asset (and its components or assembly) provides adequate performance and function.

Glossary

RDH

Sheathing Membrane - A generic term for a membrane layer that resists the passage of liquid water (and possibly air and vapour) through vertical, drained surfaces.

Special Levy - Also referred to as a "Special Assessment". A financial levy to be paid by the Owner group to finance large-scale projects for major maintenance, repairs, renewal, or rehabilitation of an asset, which occur as result of a shortfall in available funds and requires special decision making and approval procedures.

Statutory Funding Model - A funding model which uses the Strata Property Act and Regulations to determine the minimum amount of money to contribute to the Contingency Reserve Fund on an annual basis.

Strategic Plan/Horizon - The longest of the three planning horizons, which typically covers the full study period of 30 years and identifies the long-term needs of the assets.

Tactical Plan/Horizon - A period of planning for asset Renewal projects and Major Maintenance projects, which typically extends five or ten years from the current year.

Targeted Projects: Projects that are localized to particular portions of the building.

Undrained Wall Assembly - Also known as face seal wall assembly. Refers to a strategy for rain penetration control that relies on the elimination of holes through the cladding. In undrained/face seal against against wall assemblies, the cladding is installed directly against the sheathing membrane. Compare with Drained Wall Assembly.

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Appendix B Asset Inventory

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Structural

Struct 01 - Exposed Structural Wood



Location

Balcony posts and wood canopy at entrance doors.

Information Service Life:

50 Chronological Age: 9 Effective Age: 9

Description

Structural wood components including columns, braces and beams in exposed locations.

Install Year:	2014
Next Renewal Year:	2064

30							
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
J01	Review all exposed bolt connection washers and nuts in conjunction trim asset (Encl 11) Ensure connection and torqued in accordance with se specifications.	with review of wood ections are secured	2023	2 Yrs (15)	\$0	\$0	\$0
R01	Re-coat or re-finish exposed strurequired.	ctural wood as	2026	6 Yrs (5)	\$5,500	\$27,500	\$43,800
R02	Replace components of exposed beams and columns, as required		2064	50 Yrs (0)	\$0	\$0	\$0
	ict 02 - Concrete Founda	Location		, ,	Description		
1		Foundation and p	arkade.	9	Cast-in-place foundation an structure.		
1		Service Life:	0	75	Install Year:		2014
	14	Chronological Ag Effective Age:	e:	9 9	Next Renewa	l Year:	2089
Ref	Maintenance Description	400	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	The concrete foundation is not d reserve component.	eemed to be a	2089	75 Yrs (0)	\$0	\$0	\$0

Struct 02 - Concrete Foundation & Parkade Structure

	Locati	on 🖓	ž	5	Description			
		ation and park	ade.)		Cast-in-place foundation ar structure.			
1	Service	e Life:	le contraction de la contracti	75	Install Year:		2014	1
	Chron	ological Age:		9	Next Renewal	Year:	2089	Ĺ
The second second	Effecti	ve Age:		9				010
Re	ef Maintenance Description		Next	Frequency	Current	30 Year	30 Year	
	27		Event	(30 Yr Count)	Cost	Current Cost	Future Cost	700
RC	01 The concrete foundation is not deemed to	bea 2	2089	75 Yrs (0)	\$0	\$0	\$0] [

Struct 03 - Wood Frame Structure



Location Superstructure.		Description Wood framed walls, floors, and roof				
Information		structure.				
Service Life:	75	Install Year:	2014			
Chronological Age:	9	Next Renewal Year:	2089			
Effective Age:	9					

Count)

Cost

	e Coho et Inventory - 2023						
	The wood frame structure is not d reserve component.	eemed to be a	2089	75 Yrs (0)	\$0	\$0	\$0
Enc	losure			1			1
Enc	l 01 - Laminated Asphalt	Shingle Roof					
		Location			Description		
11	All sloped roofs.						sheathing at ters are
1		Service Life:		25	Install Year:		2014
1		Chronological Age	·.	9	Next Renewal	Year [.]	
	INT	Effective Age:		9	Next Renewal	r r cur.	2033
Ref	Maintenance Description	Lifective Age.	Next	Frequency	Current	30 Year	30 Year
inc.			Event	(30 Yr Count)	Cost	Current	2039 30 Year Future Cost
J01	Roof maintenance and repair of da as required.	imaged roof areas	2026	5 Yrs (5)	\$16,000	\$80,000	\$125,000
R01	Replace asphalt shingles and asso such as gutters and flashing.	ciated components	2039	25 Yrs (1)	\$1,224,000	\$1,224,000	\$2,000,000
Enc	l 02 - Concealed SBS Root	f Membrane w	ith/Tra	affic-Beari	ng Surface		1
/	////>>>	Location	0	6	Description		
	///221	Roof Access and a	bove ele	vator shafts	SBS membran	e overlaid wit	h 2'x2'
1	1/2	Information 🖉			precast paver	s as traffic-be	aring surface.
/		Service Life:	K	30	Install Year:	2014	
/	/ /	Chronological Age	0	9	Next Renewal	Vear [.]	2014
1		Effective Age:	0	9			2011
Ref	Maintenance Description	0/ie	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replace roof hatch in conjunction membrane replacement.	with roof	2044	30 Yrs (1)	\$3,000	\$3,000	\$5,600
R02	Replace roof membrane assembly components. Some of the pavers r salvageable.		2044	30 Yrs (1)	\$30,000	\$30,000	\$56,000
Enc	l 03 - Aluminum Panel So	ffit					
- 1-		Location			Description		
		Underside of roof Information	eaves an	d balconies.	Perforated alı	uminum panel	soffit.
(RIC	Service Life:			40	Install Year:		2014
RE	1.82	Chronological Age	2:	9	Next Renewal	Year:	2054
		Effective Age:		9			
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost

	Coho						
	et Inventory - 2023		2025	2.) ((1.0)	¢1.040	¢10.400	¢20,200
	Clean exterior soffit surfaces to re dirt, vegetative growth, and other	stains.	2025	3 Yrs (10)	\$1,848	\$18,480	\$30,200
R01	Replace soffit panels and associate	ed components.	2054	40 Yrs (0)	\$0	\$0	\$0
Encl	04 - Concealed SBS Podi	um Membrane	e with	Hard and	Soft Lands	scaping	
. /		Location			Description		
		parkade structure.		on top of the	e Concealed asset. SBS membrane on parkade roof slab overburdened wit landscaping and paved walkways.		
f y	State of the second	Information		20			2014
A Co	and the second	Service Life:		30	Install Year:	Mana	2014
en s		Chronological Age	:	9	Next Renewal	Year:	2044
	ALL	Effective Age:		9			
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr Count)	Cost	Current Cost	30 Year Future Cost \$3,800,000
R01	Replace membrane assembly and a	associated	2044	30 Yrs (1)	\$2,062,500	\$2,062,500	\$3,800,000
	components. Some of the overbur			0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. ,,	,
	salvageable. 05 - Wood Soffit			V N			
ENCI	03 - Wood Sonn	Location	N	, 0.	Description		
	A State The Los	Underside of entra		' V	Description	coffit over a	wood framing
F		Information	ince cano	opies.	s. Painted wood soffit over a w substrate.		
	1.	Service Life:	2 2	40	Install Year:		2014
~		Chronological Age		9	Next Renewal	Year:	2054
		Effective Age:	Iria I	9			
Ref		k,					
	Maintenance Description	2 2	Next	Frequency	Current	30 Year	30 Year
	Maintenance Description	ol to	Next Event	(30 Yr	Current Cost	Current	30 Year Future Cost
01	Maintenance Description Clean exterior soffit surfaces to re	move atmospheric					
	Clean exterior soffit surfaces to re dirt, vegetative growth, and other		Event 2023	(30 Yr Count) 3 Yrs (10)	Cost \$126	Current Cost \$1,260	Future Cost \$1,940
R01	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required.	stains.	Event 2023 2026	(30 Yr Count) 3 Yrs (10) 6 Yrs (5)	Cost \$126 \$1,260	Current Cost \$1,260 \$6,300	Future Cost \$1,940 \$10,100
R01 R02	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated	stains. d components.	Event 2023	(30 Yr Count) 3 Yrs (10)	Cost \$126	Current Cost \$1,260	Future Cost \$1,940
R01 R02	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required.	stains. d components. Frame Divider	Event 2023 2026	(30 Yr Count) 3 Yrs (10) 6 Yrs (5)	Cost \$126 \$1,260 \$0	Current Cost \$1,260 \$6,300	Future Cost \$1,940 \$10,100
R01 R02	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated	d components. Frame Divider Location	Event 2023 2026 2054	(30 Yr Count) 3 Yrs (10) 6 Yrs (5) 40 Yrs (0)	Cost \$126 \$1,260 \$0 Description	Current Cost \$1,260 \$6,300 \$0	Future Cost \$1,940 \$10,100 \$0
R01 R02	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated	stains. d components. Frame Divider Location Between ground le	Event 2023 2026 2054	(30 Yr Count) 3 Yrs (10) 6 Yrs (5) 40 Yrs (0)	Cost \$126 \$1,260 \$0	Current Cost \$1,260 \$6,300 \$0 \$0 ume and glass s a privacy ba	Future Cost \$1,940 \$10,100 \$0 infill panels rrier between
R01 R02	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated	stains. d components. Frame Divider Location Between ground le Information	Event 2023 2026 2054	(30 Yr Count) 3 Yrs (10) 6 Yrs (5) 40 Yrs (0) s.	Cost \$126 \$1,260 \$0 Description Aluminum fra functioning a first floor pat	Current Cost \$1,260 \$6,300 \$0 \$0 ume and glass s a privacy ba	Future Cost \$1,940 \$10,100 \$0 infill panels rrier between ig entrances.
R01 R02	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated	stains. d components. Frame Divider Location Between ground le Information Service Life:	Event 2023 2026 2054	(30 Yr Count) 3 Yrs (10) 6 Yrs (5) 40 Yrs (0) s.	Cost \$126 \$1,260 \$0 Description Aluminum fra functioning a first floor pat Install Year:	Current Cost \$1,260 \$6,300 \$0 \$0 ume and glass s a privacy ba io and buildin	Future Cost \$1,940 \$10,100 \$0 infill panels rrier between g entrances. 2014
R01 R02	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated	stains. d components. Frame Divider Location Between ground le Information	Event 2023 2026 2054	(30 Yr Count) 3 Yrs (10) 6 Yrs (5) 40 Yrs (0) s.	Cost \$126 \$1,260 \$0 Description Aluminum fra functioning a first floor pat	Current Cost \$1,260 \$6,300 \$0 \$0 ume and glass s a privacy ba io and buildin	Future Cost \$1,940 \$10,100 \$0 infill panels rrier between ig entrances.
R01 R02 Encl	Clean exterior soffit surfaces to redirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated O6 - Glazed Aluminum F	stains. d components. Frame Divider Location Between ground le Information Service Life: Chronological Age	Event 2023 2026 2054 evel patio	(30 Yr Count) 3 Yrs (10) 6 Yrs (5) 40 Yrs (0) s. 30 9	Cost \$126 \$1,260 \$0 Description Aluminum fra functioning a first floor pat Install Year: Next Renewal	Current Cost \$1,260 \$6,300 \$0 \$0 when and glass is a privacy ba io and buildin Year:	Future Cost \$1,940 \$10,100 \$0 infill panels rrier between g entrances. 2014 2044
R01 R02 Encl	Clean exterior soffit surfaces to re dirt, vegetative growth, and other Recoat wood soffit as required. Replace wood soffit and associated	stains. d components. Frame Divider Location Between ground le Information Service Life: Chronological Age	Event 2023 2026 2054	(30 Yr Count) 3 Yrs (10) 6 Yrs (5) 40 Yrs (0) s. 30 9	Cost \$126 \$1,260 \$0 Description Aluminum fra functioning a first floor pat Install Year:	Current Cost \$1,260 \$6,300 \$0 \$0 ume and glass s a privacy ba io and buildin	Future Cost \$1,940 \$10,100 \$0 infill panels rrier between g entrances. 2014

733								
Enc	l 07 - Guardrail Aluminun	n						
		Location			Description			
		Balcony and patio				Aluminum posts and pickets functionin as a protective barrier at the open sides of stairs, landings, balconies, or other locations to prevent accidental falls from one level to another.		
		Information						
		Service Life:		30	Install Year:		2014	
		Chronological Age	2:	9	Next Renewa	l Year:	2044	
burner i	Kana III	Effective Age:		9				
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
R01	Remove and re-install sections of g conjunction with balcony waterpro renewal, including inspect and re-o	ofing membrane	2029	15 Yrs (1)	\$22,200	\$22,200	\$27,000	
R02	Replace exterior guardrails.	· -	2044	30 Yrs (1)	\$111,000	\$111,000	\$210,000	
Enc	l 08 - Coating on Concret	e Wall	(N. A	}			
200		Location	2	or ov	Description			
No.		Exposed parkade	walls.	20	Protective coa architectural portion of the	concrete wall	. Phase 2	
	ALL MARK		5	J.	the coating a			
No		Information Service Life:	5 3	10	Install Year:		2014	
		Chronological Age	. 47	9	Next Renewa	l Voar	2014	
		Effective Age:	.0	9	Next Kellewa	1 1001.	2024	
Ref	Maintenance Description	0	Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost	
		2 2	Event	Count)	COST	Cost	Future Cost	
01	Repair of delaminated or spalled c carried out prior to recoating.	0 %	2029	10 Yrs (3)	\$13,500	\$40,500	\$67,000	
R01	Reapplication of the protective coa wall.	ating on concrete	2024	10 Yrs (3)	\$22,500	\$67,500	\$99,000	
Fnc	l 09 - Cultured Stone Wall	- Drained						
		Location			Description			
		First floor exterior	r of build	ings.	-		h mortar onto:	
	Bar Confidence	Information			stacco base (Jour.		
H	FILER TY -	Service Life:		30	Install Year:		2014	
		Chronological Age	2:	9	Next Renewa	l Year:	2044	
		Effective Age:		9				
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
J01	Clean exterior surfaces of cultured remove vegetation growth and oth staining.		2025	3 Yrs (9)	\$1,638	\$14,742	\$23,100	
R01	Replace sections of cultured stone		2044	30 Yrs (1)	\$45,500	\$45,500	\$85,000	

required, along with associated components.

Encl 10 - Fiber Cement Wall Cladding and Wood Trim

4	Location				Description		
		Exterior cladding				create a drain	alled on wood ed cavity over nbrane.
H		Information				-	
田		Service Life:		40	Install Year:		2014
1711		Chronological Age	:	9	Next Renewa	l Year:	2054
1		Effective Age:		9			
Ref	Maintenance Description		Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost
J01	Clean exterior fiber cement board remove atmospheric dirt, vegetativ other stains.		2025	Count) 3 Yrs (10)	\$4,200	Cost \$42,000	\$68,500
R01	Clean and repaint fiber cement cla	dding.	2032	10 Yrs (3)	\$105,000	\$315,000	\$570,000
R02	Replace fiber cement cladding alon trim, flashing and sealants. Consid given to replacement of vent hoods accessories that penetrated the cla of cladding replacement.	deration should be s and other	2054	40 Yrs (0)	\$0	\$0	\$0
Enc	l 11 - Wood Trim		S	~			
-1/		Location	0	20	Description		
	F	At belly bands, fas transitions, windo			Vertical and horizontal wood trim boards with coated surface for protection of the substrate and aesthetics.		
1		Information	0				
	The second second	Service Life:		20	Install Year:		2014
H		Chronological Age		9	Next Renewa	l Year:	2054
		Effective Age:		-11			
Ref	Maintenance Description	0/10 0/0	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Clean surface of wood trim, as required to the stain of the stain included with cleaning of fiber cerr asset.]	ng. [Cost to be	2025	3 Yrs (10)	\$0	\$0	\$0
J02	Touch up painting of wood trim as	required.	2024	2 Yrs (15)	\$1,800	\$27,000	\$43,500
JO3	Review exterior surfaces of wood trim for signs of distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bolt connections at exposed structural wood asset (Struct 01).		2024	2 Yrs (15)	\$1,500	\$22,500	\$36,000
J04	Locally repair wood trim, as require		2024	2 Yrs (15)	\$2,160	\$32,400	\$52,300
	1 contraction of the second		2028	6 Yrs (5)	\$45,000	\$225,000	\$387,000
R01	Clean and repaint wood trim.		2028	0113(5)	\$15,000		\$307,000

Encl 12 - Vi	inyl Framed Wind	ow					
		Location			Description		
		All elevations and building.	all levels	of the	Vinyl framed insulating gla operators.		
		Information					
	Service Life:			30	Install Year:		2014
		Chronological Age	:	9	Next Renewa	l Year:	2044
		Effective Age:		9			
Ref Maintena	nce Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr	Cost	Current	Future Cost
with cond	e to replace insulating gl lensation or misting betw ed. [Refer to manufacture e.]	veen panes of glass	2026	Count) 2 Yrs (9)	\$11,400	Cost \$102,600	\$144,000
	inyl windows and associa	ated components.	2044	30 Yrs (1)	\$617,500	\$617,500	\$1,200,000
		Location Emergency egress Information Service Life:	ی ۲	25	Description Hollow steel s glazing. Install Year:	-	2014
		Chronological Age Effective Age:	ria Fu	9 9	Next Renewa		2039
Ref Maintena	nce Description	N, CO	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cos
R01 Repaint s	teel door finish.		2023	8 Yrs (3)	\$1,200	\$3,600	\$5,100
R02 Replace s	teel swing doors and fra	mes.	2039	25 Yrs (1)	\$48,000	\$48,000	\$77,000
Encl 14 - Vi	inyl Frame Glazed	Location Balcony entrances			Description Vinyl frame s glazing units		h insulating
		Information Service Life:		25	Install Veen		2014
				25	Install Year:	Veer	
		Chronological Age		9	Next Renewa	i rear:	2044
		Effective Age:		4			

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.]	2026	2 Yrs (13)	\$1,560	\$20,280	\$33,200
R01	Replace vinyl frame swing doors.	2044	30 Yrs (1)	\$288,000	\$288,000	\$540,000

Encl 15 - Aluminum Frame Lobby and Amenity Room Door.



Location

Location

Description

Lobby entrance doors and amenity room Outswing aluminum-framed doors with fixed IGU's and low-profile thresholds patio door. with electric strike and hardware. Information

mormation			
Service Life:	20	Install Year:	2014
Chronological Age:	9	Next Renewal Year:	2034
Effective Age:	9		

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replace/upgrade door hardware.	2024	10 Yrs (2)	\$2,600	\$5,200	\$7,500
R02	Replace aluminum frame lobby and amenity room doors.	2034	20 Yrs (1)	\$15,000	\$15,000	\$21,000

Encl 16 - Exposed Vinyl Balcony Membrane



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Description .

		Balconies.	-02520 	20200000, C	surface that is use, but whic	The term rior horizontal r pedestrian	
The second	in the second	Service Life: 🔊	- K	15	Install Year:		2014
		Chronological Age	0	9	Next Renewal	Year:	2029
		Effective Age:	C .	9			
Ref	Maintenance Description	O, to	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replace vinyl balcony membrane components.	and associated	2029	15 Yrs (2)	\$212,500	\$425,000	\$650,000
Enc	l 17 - Sectional Overhea	d Door - Metal					
		Location			Description		
		Parking garage ent	trance.		Pre-manufacti sectional over Overhead gat Mechanical A	rhead gate ar e motor is in	nd hardware.
		Service Life:		25	Install Year:		2014
		Chronological Age	:	9	Next Renewal	Year:	2039
		Effective Age:		9			
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replacement of sectional overhead door and associated hardware.	2039	25 Yrs (1)	\$6,000	\$6,000	\$9,900

Encl 18 - Slab-on-Grade

	Location		Description	
	Parking garage.		Concrete slab on grade	-
the second secon	Information			
-	Service Life:	75	Install Year:	2014
./	Chronological Age:	9	Next Renewal Year:	2089
	Effective Age:	9		

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Re-apply traffic demarcation striping and directional signage. Frequency will depend on traffic volume and other factors.	2024	5 Yrs (6)	\$1,000	\$6,000	\$9,500
J02	Heavy duty cleaning on slab surface to remove oil stains, etc.	2024	5 Yrs (6)	\$437.50	\$2,625	\$4,150
R01	Prepare surface and re-apply concrete sealer as required.	2024	5 Yrs (6)	\$5,700	\$34,200	\$54,500
R02	Concrete slab is durable and not deemed a renewable asset. Maintenance of the concrete substrate is required for the asset to achieve longevity.	2089	75 Yrs (0)	\$0	\$0	\$0
Fnc	1 19 - Ceneral & Inspections	0	0			

Encl 19 - General & Inspections

Conduct leak investigation at parkade walls and



ci 19 - General & Inspectic	ons		6				
	Location	: t	5	Description			
Throughout the site			9	Miscellaneous components, penetrations a related to any Warranty and	such as servi and interface particular as	ce details, not ssembly.	t
	Service Life:		75	Install Year:		2014	
	Chronological Age	:	9	Next Renewal	Year:	2089	
A A A A A A A A A A A A A A A A A A A	Effective Age:		9				
Maintenance Description	25	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
Conduct an update to the depreci	ation report.	2026	3 Yrs (9)	\$10,000	\$90,000	\$144,000	
Perform 10-year extended warrant 2 construction in sufficient time p of warranty period for certain port Prepare list of any deficiencies for	rior to expiration tions of the work.	2025	10 Yrs (1)	\$8,500	\$8,500	\$9,000	
Perform condition assessment of as required.	enclosure systems,	2040	6 Yrs (3)	\$18,000	\$54,000	\$108,000	

2024

2089

1 x (1)

75 Yrs (0)

\$7,500

\$0

\$7,500

\$0

By: Maria Furtado of One Percent Realty on 2024/08/27 Document Uploaded and Verified: 2023/05/23 Ordered

Ref

J01

J02

J03

J04

R01

suspended slab.

This is not a renewable asset.

\$7,700

\$0

Electrical

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Elec 01 - Electrical Distribution



Location

Parkade Electrical Room

Information

Service Life:	40
Chronological Age:	9
Effective Age:	9

Description

1600A, 208V main disconnect switch; downstream switchboards, panelboards, breakers, switches, disconnects and wiring to mechanical, lighting and power loads throughout the building.

40	Install Year:	2014
9	Next Renewal Year:	2054

			-			
Ref	Maintenance Description	Next Event	Frequency (30 Vr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Conduct infrared thermography and ultrasonic scanning tests on all switchgear, distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden hazards; contractor should provide certificate for insurance purposes. To be coordinated prior to planned maintenance to identify areas that require immediate attention. Tests should be conducted on energized equipment during peak demand periods if possible.	2025	5 Yrs (6)	\$3,500	\$21,000	\$33,300
R02		2054	40 Yrs (0)	\$0	\$0	\$0

Elec 02 - Exterior Light Fixtures



	\sim	
Various locations att exterior of the buildi		ou
site.		
ST NO		
6 9		
2 2		
Information		
Service Life	20	

Description

A variety of fixture types, including wall, It pole and post mounted, street, pathway and recessed soffit pot lighting. A variety of lamp types, including fluorescent, compact fluorescent, halogen, incandescent, LED, etc. for exterior direct, indirect and accent lighting applications. A variety of light fixture controls, including switches, motion sensors, timers and photocells.

. ~	5	
う	Inf	ormation
	_	0

Location

Service Life:	20	Install Year:	2014
Chronological Age:	9	Next Renewal Year:	2034
Effective Age	9		

	Lifective Age.		9			
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replace exterior pole mounted site light fixtures, as required, for aesthetic purposes, to match ballast replacement cycles, or technological obsolescence.	2054	40 Yrs (0)	\$0	\$0	\$0
R02	Cyclical replacement of lighting controls (timers, motion sensors, etc.) as required.	2026	6 Yrs (5)	\$1,000	\$5,000	\$8,100
R03	Replace exterior bollard site light fixtures, as required, for aesthetic purposes, to match ballast replacement cycles, or technological obsolescence.	2044	30 Yrs (1)	\$20,000	\$20,000	\$37,000
R04	Replace exterior light fixtures at buildings, as required, for aesthetic purposes, to match ballast replacement cycles, or technological obsolescence.	2034	20 Yrs (1)	\$9,000	\$9,000	\$13,000

Elec	: 03 - Interior Light Fixtur	es					
		Location			Description		
		All common areas building and the p		out the	fixed surface sconce) and r cove). A varie fluorescent, c halogen, inca interior direct lighting appli fixture contro	ity of fixture types, including urface (pendant, track and and recessed (pot, troffer and A variety of lamp types, includin ccent, compact fluorescent, n, incandescent, LED, etc. for r direct, indirect and accent g applications. A variety of light controls, including switches, n sensors, timers, dimmers and cells.	
		Service Life:		20 m	Install Year:		2014
		Chronological Age	:	9	Next Renewal	Year:	2034
		Effective Age:		9 5	2		
lef	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
01	Replace interior light fixtures, as r aesthetic purposes, to match balla cycles, or technological obsolescer	st replacement	2034	20 Yrs (1)	\$3,850	\$3,850	\$5,500
lec	: 04 - Enterphone System		S	2			
-		Location	S	0	Description		
		Lobby entrances.	FUr		Mircom, surf panels with a display panels	ssociated key	
1		Service Life:		25	Install Year:		2014
1.7		Chronological Age	0	9	Next Renewal	Year:	2039
		Effective Age:		9			
lef	Maintenance Description	000	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
01	Replace enterphone panels, exclud 286 Wilfert.	ling field wiring at	2046	25 Yrs (1)	\$6,700	\$6,700	\$14,000
R02	Replace enterphone panels, exclud	ling field wiring at	2039	25 Yrs (1)	\$6,700	\$6,700	\$11,000

Fler								
	05 - Proximity Access C	ontrol						
		Location			Description			
-		common area entrances.			Local proximity access control system components include fob devices for building occupants, fob readers, RTE sensors, electric strikes and door controllers. Network level components include door control panel, communication boards, backup batteries, RTE board, conduit, cable and connectors.			
		Information Service Life:		12	Install Voor		2014	
		Chronological Age	<u>.</u>	9	Install Year: Next Renewa	l Vear	2014	
		Effective Age:		9 0	Next Renewa	r rear.	2020	
Ref	Maintenance Description		Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost	
	Replace media in recording device continuous records from proximit devices. Retain records in secure a determined by policy.	y access control	2026	Count) 6 Yrs (5)	\$550	Cost \$2,750	\$4,380	
	Modernize components of the pro control system, excluding field wi technological obsolescence.		2026	12 Yrs (3)	\$22,000	\$66,000	\$110,000	
Mec	hanical	<	$\tilde{\mathbf{y}}$,	Q				
Mec	h 01 - Gas Detection - Pa	rking Garage	.5					
		Location	K		Description			
			A		Description			
		Mounted to colum parkade.	ins throu	ighout the	Honeywell Ar sensing devic dangerous ga	tes for detect ases (carbon i vehicles and	ion of	
		Mounted to colum parkade.	ns throu	ighout the 10	Honeywell Ar sensing devic dangerous ga produced by	tes for detect ases (carbon i vehicles and	ion of monoxide	
		Mounted to colum parkade. Information Service Life: Chronological Age	10		Honeywell Ar sensing devic dangerous ga produced by exhaust fans	tes for detect ases (carbon i vehicles and accordingly.	ion of monoxide to activate the	
		Mounted to colum parkade. Information Service Life:	::	10 9 10	Honeywell Ar sensing devic dangerous ga produced by exhaust fans Install Year: Next Renewa	tes for detect ases (carbon i vehicles and accordingly. I Year:	ion of monoxide to activate the 2014 2023	
	Maintenance Description	Mounted to colum parkade. Information Service Life: Chronological Age Effective Age:	e: Next Event	10 9	Honeywell Ar sensing device dangerous ga produced by exhaust fans Install Year: Next Renewa Current Cost	tes for detect ases (carbon i vehicles and accordingly.	ion of monoxide to activate the 2014	
	Maintenance Description Cyclical replacement of gas detect	Mounted to colum parkade. Information Service Life: Chronological Age Effective Age:	e: Next	10 9 10 Frequency (30 Yr	Honeywell Ar sensing devic dangerous ga produced by exhaust fans Install Year: Next Renewa	es for detect ases (carbon i vehicles and accordingly. I Year: 30 Year Current	ion of monoxide to activate the 2014 2023 30 Year	
R01	-	Mounted to colum parkade. Information Service Life: Chronological Age Effective Age: tion sensors.	e: Next Event 2023	10 9 10 Frequency (30 Yr Count)	Honeywell Ar sensing device dangerous ga produced by exhaust fans Install Year: Next Renewa Current Cost	es for detect ases (carbon i vehicles and accordingly. I Year: 30 Year Current Cost	ion of monoxide to activate the 2014 2023 30 Year Future Cost	
R01	Cyclical replacement of gas detect	Mounted to colum parkade. Information Service Life: Chronological Age Effective Age: tion sensors.	e: Next Event 2023	10 9 10 Frequency (30 Yr Count)	Honeywell Ar sensing device dangerous ga produced by exhaust fans Install Year: Next Renewa Current Cost	es for detect ases (carbon i vehicles and accordingly. I Year: 30 Year Current Cost	ion of monoxide to activate the 2014 2023 30 Year Future Cost	
R01	Cyclical replacement of gas detect	Mounted to colum parkade. Information Service Life: Chronological Age Effective Age: tion sensors. eze Protection	e: Next Event 2023	10 9 10 Frequency (30 Yr Count) 5 Yrs (6)	Honeywell Ar sensing devic dangerous ga produced by exhaust fans Install Year: Next Renewa Current Cost \$3,000 Description Heat trace for	es for detect ases (carbon i vehicles and accordingly. I Year: 30 Year Current Cost \$18,000	ion of monoxide to activate the 2014 2023 30 Year Future Cost \$26,900 ems exposed pheater cable strip and	
R01	Cyclical replacement of gas detect	Mounted to colum parkade. Information Service Life: Chronological Age Effective Age: tion sensors. eze Protection Location Throughout the part Information Service Life:	e: Next Event 2023 arking ga	10 9 10 Frequency (30 Yr Count) 5 Yrs (6) arage.	Honeywell Ar sensing devic dangerous ga produced by exhaust fans Install Year: Next Renewa Current Cost \$3,000 Description Heat trace for to freezing (s with parallel outer thermo	es for detect ases (carbon r vehicles and accordingly. I Year: 30 Year Current Cost \$18,000 r piping syste elf regulating circuit heater plastic elasto	ion of monoxide to activate the 2014 2023 30 Year Future Cost \$26,900 ems exposed g heater cable strip and omer jacket). 2014	
R01	Cyclical replacement of gas detect	Mounted to colum parkade. Information Service Life: Chronological Age Effective Age: tion sensors. eze Protection Location Throughout the park	e: Next Event 2023 arking ga	10 9 10 Frequency (30 Yr Count) 5 Yrs (6)	Honeywell Ar sensing devic dangerous ga produced by exhaust fans Install Year: Next Renewa Current Cost \$3,000 Description Heat trace for to freezing (s with parallel outer thermo	es for detect ases (carbon r vehicles and accordingly. I Year: 30 Year Current Cost \$18,000 r piping syste elf regulating circuit heater plastic elasto	ion of monoxide to activate the 2014 2023 30 Year Future Cost \$26,900 ems exposed pheater cable strip and omer jacket).	

The Coho
Asset Inventory - 2023
Def. Maintenance Description

Ass	et Inventory - 2023						
	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of compone tracing cable, including control r insulation.		2029	15 Yrs (2)	\$5,500	\$11,000	\$17,800
Ме	ch 03 - Meters - Water	PLACEHOLDER]				
		Location			Description		
) 🤤		Mechanical room.			Digital dome measuring wa		
-	and a state of	Information		25	la stall Vara		2014
-9		Service Life:		25	Install Year:	1	2014
		Chronological Age	2:	9	Next Renewa	i Year:	2039
0		Effective Age:		9	$\hat{\mathbf{x}}$		
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr Count)	Cost	Current Cost	Future Cost
R01	Cyclical replacement of meters, a	is required.	2039	5 Yrs (0)	\$0	\$0	\$0
Ме	ch 04 - Controls - Door A	ctuators	~	, 0,		1	
		Location	5	· V	Description		
	-	Door Actuator at I	obby doo	ors	Electronic mo	otor-driven co	ntrol devices
K		Information		6	on valves, da heating, air-c water system	mpers, etc. to onditioning, o	o control domestic hot
		Service Life:		15	Install Year:		2014
		Chronological Age		9	Next Renewa	l Year:	2029
		Effective Age:	0	9			
Ref	Maintenance Description	27	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of electroni as required.	c actuator controls,	2029	15 Yrs (2)	\$6,000	\$12,000	\$18,200
Ме	ch 05 - Drainage - Perime	eter and Found	ation	1		1	
		Location			Description		
	0	Perimeter of build	ing.		Perforated pi surface found system arour parkade and	dation/footing d the perime	ter of the
0		Service Life:		40	Install Year:		2014
- C		Chronological Age	2:	9	Next Renewa	l Year:	2054
	A REAL PROPERTY OF	Effective Age:		9			
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	By means of pipe camera service underground piping runs. Look f and dirt fines, tree roots, and oth Look for standing water indicatir conditions or impermeable cond	or build up of silts ner obstructions. Ig saturated soil	2025	5 Yrs (6)	\$2,500	\$15,000	\$23,900

ASS	at Inventory 2022						
201	et Inventory - 2023 Repair and/replace components of drainage system, as required.	f perimeter	2054	40 Yrs (0)	\$0	\$0	\$0
Ma		Exterior Suct					
vie	ch 06 - Drainage - Storm	-	em				
200		Location			Description		
		Perimeter of build		and structure of downspour	of a drainage leter of buildi s, intended fo t drains and h . Not includii	ige system Idings, podiums d for collection d hard surface ding aluminum	
	And the second second	Service Life:		40	Install Year:		2014
	and the second					Ma a w	
		Chronological Age	2.	9	Next Renewa	rear:	2054
		Effective Age:		9	<u> </u>		
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
101	By means of pipe camera service, underground piping runs. Look fo and dirt fines, tree roots, and oth Cost carried in perimeter and fou asset.	or build up of silts er obstructions.	2025	5 Yrs (6)	\$0	\$0	\$0
R01	Repair and replace components o system, as required. It is assumed in conjunction with the perimeter	this would happen	2054	40 Yrs (0)	\$0	\$0	\$0
Me	ch 07 - Drainage - Storm ·	Internal 🧷	5 3				
	Contraction of the second	Location	4		Description		
					Trench drains, catch basins and associated piping systems for rainv runoff. Roof drains may be included the roof assets.		
	In the line	Parkade.	ello,		associated pi runoff. Roof o	ping systems drains may be	for rainwater
	man	2° 2°	ello,	40	associated pi runoff. Roof o	ping systems drains may be	for rainwater
	The second	Information		40 9	associated pi runoff. Roof o the roof asse	ping systems drains may be ts.	for rainwater e included wit
	minut	Information Service Life:			associated pi runoff. Roof o the roof asse Install Year:	ping systems drains may be ts.	for rainwater e included wit 2014
Ref	Maintenance Description	Information Service Life: Chronological Age	e: Next Event	9	associated pi runoff. Roof o the roof asse Install Year:	ping systems drains may be ts.	for rainwater e included wit 2014 2054 30 Year
	Maintenance Description Repair and/replace components of drainage distribution system, as replaced to the system of the system.	Information Service Life: Chronological Age Effective Age:	Next	9 9 Frequency (30 Yr	associated pi runoff. Roof of the roof asset Install Year: Next Renewal	ping systems drains may be ts. Year: <u>30 Year</u> Current	for rainwater e included wit 2014 2054 30 Year
R01	Repair and/replace components c drainage distribution system, as r	Information Service Life: Chronological Age Effective Age: If storm water equired.	Next Event 2054	9 9 Frequency (30 Yr Count)	associated pi runoff. Roof of the roof asset Install Year: Next Renewal Current Cost	ping systems drains may be ts. Year: 30 Year Current Cost	for rainwater e included wit 2014 2054 30 Year Future Cost
R01	Repair and/replace components c	Information Service Life: Chronological Age Effective Age: If storm water equired. Water Distribu	Next Event 2054	9 9 Frequency (30 Yr Count)	associated pi runoff. Roof of the roof asset Install Year: Next Renewal Current Cost \$0	ping systems drains may be ts. Year: 30 Year Current Cost	for rainwater e included with 2014 2054 30 Year Future Cost
Ref R01 Me	Repair and/replace components c drainage distribution system, as r	Information Service Life: Chronological Age Effective Age: If storm water equired. Water Distribut Location Connected to fixtu building.	Next Event 2054 ution	9 9 Frequency (30 Yr Count) 40 Yrs (0)	associated pi runoff. Roof of the roof asset Install Year: Next Renewal Current Cost	ping systems drains may be ts. Year: 30 Year Current Cost \$0 and L copper ontal mains a iping runout	for rainwater e included wit 2014 2054 30 Year Future Cost \$0 for and PEX s within the
R01	Repair and/replace components c drainage distribution system, as r	Information Service Life: Chronological Age Effective Age: If storm water equired. Water Distribut Location Connected to fixtu building.	Next Event 2054 ution	9 9 Frequency (30 Yr Count) 40 Yrs (0) ughout the	associated pi runoff. Roof of the roof asset Install Year: Next Renewal Current Cost \$0 Description Mixture of K vertical/horiz distribution p suites. Solder connections.	ping systems drains may be ts. Year: 30 Year Current Cost \$0 and L copper ontal mains a iping runout	for rainwater e included wit 2014 2054 30 Year Future Cost \$0 for and PEX s within the ress
R01	Repair and/replace components c drainage distribution system, as r	Information Service Life: Chronological Age Effective Age: If storm water equired. Water Distribut Location Connected to fixtu building.	Next Event 2054 Ution ures thro	9 9 Frequency (30 Yr Count) 40 Yrs (0)	associated pi runoff. Roof of the roof asset Install Year: Next Renewal Current Cost \$0 Description Mixture of K vertical/horiz distribution p suites. Solder	ping systems drains may be ts. Year: 30 Year Current Cost \$0 and L copper ontal mains a iping runout: red and propr	for rainwater e included with 2014 2054 30 Year Future Cost \$0 for and PEX s within the

Effective Age:

9

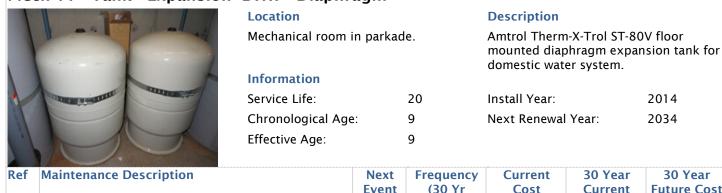
Ref	Maintenance Description	Next	Frequency	Current	30 Year	30 Year
		Event	(30 Yr Count)	Cost	Current Cost	Future Cost
J01	Comprehensive third party testing and inspection of the copper domestic water distribution system.	2044	30 Yrs (1)	\$10,000	\$10,000	\$19,000
R01	Replace components of domestic plumbing distribution system, including domestic valves.[Extent and timing of renewal will be dependent on the third-party testing of the domestic water distribution piping recommended in tactical plan.	2049	35 Yrs (1)	\$1,023,000	\$1,023,000	\$2,300,000

Mech 09 - Piping - Gas Distribution

		Location			Description				
		In the parkade and	d up to th	ne rooftop.	Gas distributi				
	1. 12	Information		$\tilde{\mathcal{O}}$	steel piping f	rom meter to	appliance.		
		Service Life:		50	Install Year:		2014		
1		Chronological Age	2:	98	Next Renewa	Year:	appliance. 2014 2044		
-		Effective Age:	0	29)				
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year		
			Event	(30 Yr Count)	Cost	Current Cost	Future Cost		
R01	Cyclical replacement of fittings required.	s and valves, as	2044	20 Yrs (1)	\$20,400	\$20,400	\$38,000		
Me	ch 10 - Tank - DHW - He	eating - Gas Fired	E E			-	-		
		Location	L'		Description				
M		Mechanical room i	Mechanical room in parkade.			A.O. Smith 199900 BTU natural gas fired domestic water heaters, model BTH 199 100, for domestic hot water for plumbing fixtures in the suites.			
		Information	0						
		Information Service Life:	0	8					
Ţ				8 9	plumbing fix	tures in the s	uites.		
Ţ		Service Life:	2:	-	plumbing fixt	tures in the s	uites. 2014		
Ref	Maintenance Description	Service Life: Chronological Age	Next	9 8 Frequency	plumbing fixt Install Year: Next Renewal Current	tures in the st Year: 30 Year	uites. 2014 2023 30 Year		
Ref	Maintenance Description	Service Life: Chronological Age		9 8 Frequency (30 Yr	plumbing fixt Install Year: Next Renewal	tures in the st Year: 30 Year Current	uites. 2014 2023		
Ref R01	Cyclical replacement of variou domestic hot water storage ta	Service Life: Chronological Age Effective Age: s components of	Next	9 8 Frequency	plumbing fixt Install Year: Next Renewal Current	tures in the st Year: 30 Year	uites. 2014 2023 30 Year		
	Cyclical replacement of variou	Service Life: Chronological Age Effective Age: s components of nks, such as burners,	Next Event	9 8 Frequency (30 Yr Count)	plumbing fixt Install Year: Next Renewal Current Cost	tures in the st Year: 30 Year Current Cost	uites. 2014 2023 30 Year Future Cost		

The C	Coho	
Asset	Inventory -	2023

Mech 11 - Tank - Expansion -DHW - Diaphragm



Ref	Maintenance Description	Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost
			Count)		Cost	
R01	Cyclical replacement of buffer tanks, as required.	2034	20 Yrs (1)	\$2,200	\$2,200	\$3,100

Mech 12 - Valves - Cross Connection & Backflow Prevention



and the second s	Location		0.0	Description			
	Mechanical room.			Various types prevention va breakers, dou pressure valve	ng vacuum educed		
	Information	V	(V	•	,		
	Service Life:	S	20	Install Year:		2014	
	Chronological Age	0	9	Next Renewal	Year:	2034	
	Effective Age:	くさ	9				
otion	2 2	Next	Frequency	Current	30 Year	30 Year	

Ref Maint	itenance Description 💦 🔪	Next	Frequency	Current	30 Year	30 Year
	LO.	Event	(30 Yr	Cost	Current	Future Cost
		\mathbf{n}	Count)		Cost	
R01 Cyclic	cal replacement of cross connection & back flow	2034	20 Yrs (1)	\$6,700	\$6,700	\$9,600
preve	ention valves, as required.					

Mech 13 - Valves - Plumbing Flow Control and Directional

		Location Mechanical room.			Description Various types and sizes of valves, including pressure reducing valves, isolation valves, two-way and three way valves, circuit flow control valves and check valves to regulate the flow of water through domestic plumbing systems.		
6		Service Life:		20	Install Year:		2014
		Chronological Age	:	9	Next Renewa	Year:	2034
		Effective Age:		9			
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of valves, as	s required.	2034	20 Yrs (1)	\$6,700	\$6,700	\$9,300

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Mech 14 - Drainage - Sanitary

	Location Connected to waste fixture the building. Information	s throughout	Description PVC DWV piping, p-traps, a with glued joints.	nd fittings,
	Service Life:	50	Install Year:	2014
9 1 2 1 9	Chronological Age:	9	Next Renewal Year:	2064
A CA	Effective Age:	9		

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Insert video cameras into main lines to conduct pipe inspection.	2025	5 Yrs (6)	\$3,300	\$19,800	\$31,400
J02	Auger lateral drain lines.	2024	10 Yrs (3)	\$4,400	\$13,200	\$19,400
R01	Repair components of sanitary drainage distribution system, as required.	2064	50 Yrs (0)	\$0	\$0	\$0

Mech 15 - Pump - DHW - Circulation and Recirculation

Location

Location

Mechanical Room



Information Service Life: Chronological Age: \mathcal{O} Effective Age

Description

Description

B&G PL30, 1/12 HP, pipe-mounted domestic hot water circulation pumps. Circulating hot water from boilers to tanks and recirculating hot water from system.

Install Year:	2014
Next Renewal Year:	2024

	Effective Age:	5	9			
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Inspect brushes and remove brush dust from motor.	2023	2 Yrs (15)	\$100	\$1,500	\$2,340
R01	Cyclical replacement of recirculating pumps, as required.	2024	8 Yrs (4)	\$3,400	\$13,600	\$21,300

10

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Mech 16 - Pumps - Storm Lift and Control Panel



Parkade Informat	ion		A Liberty Pun Rhombus per and control p and sub-surfa	imeter drain anel for storr	-
Pumps Service Li	fe:	15	Install Year:		2014
Chronolo	gical Age:	9	Next Renewa	Year:	2029
Effective	Age:	9			
Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
Coat exposed shaft of impeller with anti-seiz compound.	e 2023	2 Yrs (15)	\$100	\$1,500	\$2,340
Cyclic replacement of sump pump storm lift control panels.	and 2029	15 Yrs (2)	\$9,000	\$18,000	\$28,000

Ref

101

R01 C

Me	ch 17 - Interceptor - Oil						
0	and the second second	Location			Description		
		Parkade.			A.E. concrete Interceptor.	24x54 API 1	50 GPM Oil
		Information					
-		Service Life:		50	Install Year:		2014
	CORDER NO.	Chronological Age	2:	9	Next Renewal	l Year:	2064
3		Effective Age:		9			
Ref	Maintenance Description		Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost
R01	Cyclic replacement of oil intercept	tor, as required.	2064	Count) 50 Yrs (0)	\$0	Cost \$0	\$0
Me	ch 18 - Baseboard - Electr	ic	1	-22	N. N	1	
		Location		0, 0	Description		
		Elevator landings, parkade service ro		s landings,	Standard grad convector bas electrical fins and integral t	seboard heat for localized	ers with I space heating
		Information		í V	-		
		Service Life:	Č	40	Install Year:		2014
		Chronological Age	2:0	9	Next Renewal	l Year:	2054
		Effective Age:	7 3	9			
Ref	Maintenance Description	a la	Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost
R01	Cyclical replacement of electric ba	seboard heaters	2054	Count) 40 Yrs (0)	\$0	Cost \$0	\$0
	as required.		2034	40 113 (0)	40	ΨŪ	40
Me	ch 19 - Outdoor Air Hand	ler - Makeup A	ir - Ga	S			
		Location			Description		
		Rooftop on both b	ouildings		Greenheck 30 unit. Belt-driv natural gas fi tempered ma spaces. Capae MBH output.	en, fan with red heating t ke-up air to t	indirect o supply he interior
		Service Life:		20	Install Year:		2014
		Chronological Age	e:	9	Next Renewal	l Year:	2034

	Effective Age:		9			
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of pulleys and motors and vibration isolation, as required.	2029	8 Yrs (3)	\$10,000	\$30,000	\$48,000
R02	Cyclical rebuild or replacement of make-up air units.	2034	20 Yrs (1)	\$66,000	\$66,000	\$94,000

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Me	ch 20 - Exhaust Fan - Park	ade - Propello	or				
2.e-		Location			Description		
		Parkade exhaust s	shafts.		Cook 3 HP 15 propellor ext exterior wall	naust fans mo	ounted in
		Service Life:		20	Install Year:		2014
		Chronological Age		9	Next Renewa	l Voar	2014
1		Effective Age:		9	Next Renewa	i icai.	2034
		Effective Age.		5			
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr Count)	Cost	Current Cost	Future Cost
R01	Cyclical replacement of motors, fa		2024	3 Yrs (10)	\$500	\$5,000	\$7,830 \$3,100
P 02	bearings on supply and exhaust far Rebuild of fan, as required.	ans, as required.	2034	20 Yrs (1)	\$2,200	\$2,200	\$3,100
			2034	20 113 (1)	\$2,200	\$2,200	\$3,100
Me	ch 21 - Fire Damper			~ ~)		
		Location	(Description		
		Parkade	~	0° 0	Parkade fire o transfer oper	damper in vei	ntilation
	TE E	Information	· V	\sim	transfer oper	ing.	ntilation 2014 2026
		Service Life:	3	120	Install Year:		2014
		Chronological Age	<u>.</u> 0	9	Next Renewa	l Year:	2026
		Effective Age:	FUr	9			30 Year Future Cost \$8,500
Ref	Maintenance Description	22	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of failed or c damper, as required.	lamaged fire	2026	12 Yrs (3)	\$1,700	\$5,100	\$8,500
Me	ch 22 - Coil - Electric - Du	ct Heater	1				
		Location			Description		
		Amenity rooms, ir	ı bulkhea	ıds.	-	heaters, 5KW	uuct-mounteu
	00	Information			with stainles	s steel elemei	nts. 2014
		Service Life:		17	Install Year:		2014
		Chronological Age	e:	9	Next Renewa	l Year:	2031
1		Effective Age:		9			
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr	Cost	Current	Future Cost
R01	Cyclical replacement of electric du	ict heaters	2031	Count) 17 Yrs (2)	\$2,200	Cost \$4,400	\$7,600
NUT	Cyclical replacement of electric di	ici ilealeis.	2031	17 115 (2)	\$2,200	¥4,400	٥٠٥, ٢

Mech 23 - Parkade Transfer Fan - Inline

	Location		Description	
THE PARTY	Parkade.		Greenheck 0.5 HP belt fans suspended from si	
	Information		Turis suspended from s	
11 1 1	Service Life:	20	Install Year:	2014
Telen a stor a la	Chronological Age:	9	Next Renewal Year:	2034
	Effective Age:	9		

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.	2024	3 Yrs (10)	\$500	\$5,000	\$7,830
R02	Rebuild of supply and exhaust fans, as required.	2034	20 Yrs (1)	\$11,000	\$11,000	\$16,000

Parkade service and storage rooms,

common washrooms. (

Description

Install Year:

Next Renewal Year:

Cabinet fans of varying speed and

airflow suspended from structure.

Mech 24 - Exhaust Fan - Small Service - Cabinet

Location

Information Service Life:

Effective Age:

Chronological Age



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Ref	Maintenance Description	 Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of failed or damaged general 202 purpose exhaust fans, as required.	 \$14,850	\$44,550	\$75,000

Mech 25 - Overhead Gate Motor 🧭 📿 🔿

Replace motor and drive unit.

	Location Parking garage. Information			Description Liftmaster, 1/2 HP AC motor and operator mechanism. Gate include Enclosure Assets.		
	Service Life:		7	Install Year:		2014
	Chronological Age	:	9	Next Renewal	Year:	2023
	Effective Age:		7			
Ref Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost

2023

7 Yrs (5)

\$2,500

\$12,500

2014

2026

R01

\$20,300

Elevator

Elev 01 - Geared Traction, Overhead



Location One in each building.

Information Service Life: Description

Install Year:

One TyssenKrupp Elevator (TKE Synergy 85S) with TAC-50/04 controls, 2500 lbs capacity, 150 fpm rated speed. One KONE EcoSpace with KCM831 LCE controls, KDL16L drives, 2000-4000 lb capacity, 150 fpm rated speed.

2014

		Chronological Age	2:	9	Next Renewal	Year:	2064
		Effective Age:		9 m	\wedge		
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Check and test the overload de	vices.	2023	2 Yrs (15)	\$1,000	\$15,000	\$23,400
J02	Conduct full load performance	test.	2023	2 Yrs (15)	\$1,000	\$15,000	\$23,400
J03	Obtain a comprehensive elevate elevating device engineer to co service life of controllers and so	nfirm the remaining	2039	25 Yrs (1)	\$7,000	\$7,000	\$11,000
R01	Replace elevator hoist ropes.		2029	15 Yrs (2)	\$56,000	\$112,000	\$167,000
R02	Replace elevator controls and c	frive.	2034	20 Yrs (1)	\$670,000	\$670,000	\$930,000
R03	Replace elevator geared machin	nes and roller guides.	2064	50 Yrs (0)	\$0	\$0	\$0
Elev	02 - Elevator Cabs & H	Location Phase I and II Build Information	dings		Description Single openin flooring, woo steel handrail	d paneling wi	ith stainless
		Service Life:		50	Install Year:		2014
	and the second division of the second divisio	Chronological Age	2:	9	Next Renewal	Year:	2064
		Effective Age:		9			
Ref	Maintenance Description	S July	Next Event	Frequency (30 Yr	Current Cost	30 Year Current Cost	30 Year Future Cost

50

Maintenance Description Ref Next Frequency Current 30 Year 30 Year **Event** (30 Yr Cost Current **Future Cost** Count) Cost R01 Replace elevator cylinder. 2064 50 Yrs (0) \$0 \$0 \$0 R02 Replace door operators and door detectors. \$56,000 2034 20 Yrs (1) \$56,000 \$78,000 R03 Replace elevator operating and signal fixtures, \$0 2064 50 Yrs (0) \$0 \$0 including cab phones.

Asset Inventory - 2023

Fire Safety

Fire 01 - Fire Alarm Panel - Addressable



Location		Descriptio
Electrical room.	General Ele panel and a display.	
Information		. ,
Service Life:	20	Install Year
Chronological Age:	9	Next Renew
Effective Age:	9	

on

ectric EST QuickStart control annunciator panel with

Install Year:	2014
Next Renewal Year:	2034

	and the second se					
Ref	Maintenance Description	Next	Frequency	Current	30 Year	30 Year
		Event	(30 Yr	Cost	Current	Future Cost
			Count)	Ω	Cost	
J01	Replace battery packs for fire alarm control panels.	2025	5 Yrs (6)	\$800	\$4,800	\$7,530
R01	Replace battery packs.	2025	5 Yrs (6)	\$560	\$3,360	\$5,310
R02	Replace fire alarm annunciator panels and control panel, excluding field wiring and field devices.	2034	20 Yrs (1)	\$44,000	\$44,000	\$63,000

Fire 02 - Fire Detection & Alarm



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Location

Throughout the buildings.

Information Service Life Chronological Age

Description

Smoke detectors, heat detectors, flow switches, tamper switches, horns, pull stations and other fixed apparatus field devices to detect fire and smoke conditions and initiate timely response.

Install Year:	2014
Next Renewal Year:	2024

	Effective Age: 9							
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost		
R01	Cyclical replacement of speakers, heat detectors, smoke detectors and related modules, excluding field wiring. Ongoing replacements, as required, are assumed to be covered by annual maintenance budget.	2024	10 Yrs (3)	\$0	\$0	\$0		
R02	Replacement of heat and smoke detectors, wiring, and other field devices.	2044	30 Yrs (1)	\$96,000	\$96,000	\$180,000		

10

9

Fire 03 - Dry Sprinkler Compressor

Ref	Maintenance Description

Location	
Mechanical room.	

Information

14
9
9

Next

Event

Description

Current

Cost

Swan FP1011ASB-0 dry pipe sprinkler compressor with 1 HP motor to maintain the pressure of air in the dry fire sprinkler lines. Install Year: 2014

30 Year

Current

Cost

30 Year

Frequency

(30 Yr

Count)

R01	set Inventory - 2023 Replace fire sprinkler compressor		2028	14 Yrs (2)	\$2,300	\$4,600	\$6,900
г:							
FIL	e 04 - Fire Hydrant	Le continue			Description		
-		Location			Description		
Priz .		At top of the drive and parking stall a enclosure near bu stall 12. Information	29 and at	garbage	from the mur	nicipal water :	supply by fire
	Care and a second	Service Life:		40	Install Year:		2014
		Chronological Age	e:	9	Next Renewa	l Year:	2054
3		Effective Age:		9			
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr	Cost	Current	Future Cost
101	Repaint exterior hydrant cap, bon	net and body for	2023	Count) 8 Yrs (4)	\$400	Cost \$1,600	\$2,360
	sufficient identification.			5			-
J02	Lubricate cap threads with light w	hite grease.	2023	8 Yrs (4)	\$100	\$400	\$590
R01	Replace fire hydrants.		2054	40 Yrs (0)	\$0	\$0	\$0
Fire	e 05 - Portable Fire Exting	uisher	Ċ				
11		Location	\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Description		
1		Throughout the b	uilding.		Wall mounted	l, manually o	perated, 5lbs
				90		l discharge o	urized vessels f chemicals to
		Information \mathcal{N}	5 5		extinguish si	nan mes.	
		Information Service Life:		12	Install Year:	nan mes.	2014
				12 9	-		2014 2026
		Service Life: 🔗			Install Year:		
Ref	Maintenance Description	Service Life: Chronological Age	e C Next	9	Install Year:		
Ref	Maintenance Description	Service Life: Chronological Age	Ľ,	9 9 Frequency (30 Yr	Install Year: Next Renewa	Year: 30 Year Current	2026
		Service Life: Chronological Age Effective Age:	Next	9 9 Frequency	Install Year: Next Renewa Current	Year: 30 Year	2026 30 Year
	Cyclical replacement of fire exting replacements assumed to be cove	Service Life: Chronological Age Effective Age: Juishers. Ongoing	Next Event	9 9 Frequency (30 Yr Count)	Install Year: Next Renewa Current Cost	I Year: 30 Year Current Cost	2026 30 Year Future Cost
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: Juishers. Ongoing red by annual	Next Event	9 9 Frequency (30 Yr Count)	Install Year: Next Renewa Current Cost	I Year: 30 Year Current Cost	2026 30 Year Future Cost
R01	Cyclical replacement of fire exting replacements assumed to be cove	Service Life: Chronological Age Effective Age: Juishers. Ongoing red by annual pe - Wet	Next Event	9 9 Frequency (30 Yr Count)	Install Year: Next Renewa Current Cost \$0	I Year: 30 Year Current Cost	2026 30 Year Future Cost
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: puishers. Ongoing red by annual pe - Wet Location	Next Event 2026	9 9 Frequency (30 Yr Count) 12 Yrs (3)	Install Year: Next Renewa Current Cost \$0 Description	I Year: 30 Year Current Cost \$0	2026 30 Year Future Cost \$0
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: Juishers. Ongoing red by annual pe - Wet	Next Event 2026	9 9 Frequency (30 Yr Count) 12 Yrs (3)	Install Year: Next Renewa Current Cost \$0	I Year: 30 Year Current Cost \$0 hkler heads, f g devices, ga	2026 30 Year Future Cost \$0 Tow switches
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: Juishers. Ongoing red by annual pe - Wet Location Throughout the h	Next Event 2026	9 9 Frequency (30 Yr Count) 12 Yrs (3)	Install Year: Next Renewa Current Cost \$0 Description Pendant sprin and indicatin	I Year: 30 Year Current Cost \$0 hkler heads, f g devices, ga	2026 30 Year Future Cost \$0 Tow switches
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: uishers. Ongoing red by annual pe - Wet Location Throughout the h buildings.	Next Event 2026	9 9 Frequency (30 Yr Count) 12 Yrs (3)	Install Year: Next Renewa Current Cost \$0 Description Pendant sprin and indicatin	I Year: 30 Year Current Cost \$0 hkler heads, f g devices, ga	2026 30 Year Future Cost \$0 Tow switches
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: Juishers. Ongoing red by annual pe - Wet Location Throughout the h buildings. Information	Next Event 2026 eated spa	9 9 Frequency (30 Yr Count) 12 Yrs (3)	Install Year: Next Renewa Current Cost \$0 Description Pendant sprin and indicatin distribution I	I Year: 30 Year Current Cost \$0 hkler heads, f g devices, ga ines.	2026 30 Year Future Cost \$0 Tow switches uges, steel
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: uishers. Ongoing red by annual pe - Wet Location Throughout the h buildings. Information Service Life:	Next Event 2026 eated spa	9 9 Frequency (30 Yr Count) 12 Yrs (3) acces of the 100	Install Year: Next Renewa Current Cost \$0 Description Pendant sprin and indicatin distribution I Install Year:	I Year: 30 Year Current Cost \$0 hkler heads, f g devices, ga ines.	2026 30 Year Future Cost \$0 Slow switches uges, steel 2014
R01	Cyclical replacement of fire exting replacements assumed to be cove maintenance budget.	Service Life: Chronological Age Effective Age: uishers. Ongoing red by annual pe - Wet Location Throughout the h buildings. Information Service Life: Chronological Age	Next Event 2026 eated spa	9 9 Frequency (30 Yr Count) 12 Yrs (3) aces of the 100 9 9 Frequency (30 Yr	Install Year: Next Renewa Current Cost \$0 Description Pendant sprin and indicatin distribution I Install Year:	I Year: 30 Year Current Cost \$0 hkler heads, f g devices, ga ines. I Year: 30 Year Current	2026 30 Year Future Cost \$0 Slow switches uges, steel 2014
Ref R01 Fire Ref	Cyclical replacement of fire exting replacements assumed to be cover maintenance budget. e OG - Sprinkler & Standpi	Service Life: Chronological Age Effective Age: uishers. Ongoing red by annual pe - Wet Location Throughout the he buildings. Information Service Life: Chronological Age Effective Age:	Next Event 2026 eated spa	9 9 Frequency (30 Yr Count) 12 Yrs (3) aces of the 100 9 9 Frequency	Install Year: Next Renewa Current Cost \$0 Description Pendant sprir and indicatin distribution I Install Year: Next Renewa Current	I Year: 30 Year Current Cost \$0 hkler heads, f g devices, ga ines. I Year: 30 Year	2026 30 Year Future Cost \$0 Flow switches uges, steel 2014 2114 30 Year

~>>						
R01	Phased replacement of sprinkler zone control valves, as required.	2034	20 Yrs (1)	\$2,500	\$2,500	\$3,600
R02	Renew compromised portions of piping, gaskets, connections, valves, devices and trim to maintain required function.	2039	5 Yrs (3)	\$16,065.50	\$48,196.50	\$94,000
R03	Replace all heads, or submit representative sample of heads for testing by recognised testing agency at the 50th anniversary, to the satisfaction of the authority having jurisdiction at the 50th anniversary, in accordance with NFPA 25.	2064	10 Yrs (0)	\$0	\$0	\$0
R04	Replace entire system including risers, branch piping, valves, heads, swaybracing, and all related trim, back to Sprinkler Room.	2114	100 Yrs (0)	\$0	\$0	\$0

Fire 07 - Sprinkler System - Dry



Location

Throughout the parkade.

Description

Exposed dry sprinklers, upright and sidewall sprinkler heads, steel piping.

Information	sidewall sprinkler he	aus, steer piping
Service Life:	60 Install Year:	2014
Chronological Age:	9 Next Renewal Year:	2074
Effective Age:	S N	

		10	V			
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
101	Sprinkler Piping - Conduct flow test on piping, both exposed and underground.	2025	5 Yrs (6)	\$500	\$3,000	\$4,740
02	Sprinkler Heads - Test extra high temperature on sprinkler heads.	2025	5 Yrs (6)	\$500	\$3,000	\$4,740
R01	Replace all heads, or submit representative sample of heads for testing by recognized testing agency at the 50th anniversary, to the satisfaction of the authority having jurisdiction, in accordance with NFPA 25.	2064	10 Yrs (0)	\$0	\$0	\$0
R02	Replace damaged sprinkler heads, hangers and leaking gaskets, cages, sway-braces, drains etc as required.	2025	5 Yrs (6)	\$1,231.50	\$7,389	\$11,700
R03	Replace entire system including risers, branch piping, valves, heads, swaybracing, and all related trim, back to Sprinkler Room.	2074	60 Yrs (0)	\$0	\$0	\$0

Fire 08 - Sprinkler Valve Assembly - Dry



Schibly Dry			
Location		Description	
Mechanical Room		Firelock NXT S/768 dry trim and gauges, steel	
Information			
Service Life:	40	Install Year:	2014
Chronological Age:	9	Next Renewal Year:	2054
Effective Age:	9		

Ref	Maintenance Description	Next	Frequency	Current	30 Year	30 Year
		Event	(30 Yr Count)	Cost	Current Cost	Future Cost
R01	Phased replacement of sprinkler zone control valves, as required.	2034	20 Yrs (1)	\$2,800	\$2,800	\$4,000

intenance Description The carpet. O2 - Tile Floor The	Location Lobby entrances an washroom. Information Service Life: Chronological Age Effective Age:	-	Frequency (30 Yr Count) 10 Yrs (3) suite 40 9 9 Frequency	Current Cost \$72,000 Description Cut floor tile grout. Install Year: Next Renewal Current		30 Year Future Cost \$329,000 ortar with 2014 2054 30 Year
new carpet.	Lobby entrances an washroom. Information Service Life: Chronological Age	Event 2026 nd guest	(30 Yr Count) 10 Yrs (3) suite 40 9	Cost \$72,000 Description Cut floor tile grout. Install Year:	Current Cost \$216,000	Future Cost \$329,000 ortar with 2014
new carpet.	Lobby entrances an washroom. Information Service Life:	Event 2026 nd guest	(30 Yr Count) 10 Yrs (3) suite	Cost \$72,000 Description Cut floor tile grout. Install Year:	Current Cost \$216,000	Future Cost \$329,000 ortar with 2014
new carpet.	Lobby entrances an washroom. Information	Event 2026	(30 Yr Count) 10 Yrs (3) suite	Cost \$72,000 Description Cut floor tile grout.	Current Cost \$216,000	Future Cost \$329,000 ortar with
new carpet.	Lobby entrances a washroom.	Event 2026	(30 Yr Count) 10 Yrs (3)	Cost \$72,000 Description Cut floor tile	Current Cost \$216,000	Future Cost \$329,000
new carpet.		Event 2026	(30 Yr Count) 10 Yrs (3)	Cost \$72,000 Description	Current Cost \$216,000	Future Cost \$329,000
new carpet.		Event	(30 Yr Count)	Cost	Current Cost	Future Cost
new carpet.		Event	(30 Yr Count)	Cost	Current Cost	Future Cost
 	9	Event	(30 Yr Count)	Cost	Current Cost	Future Cost
Intenance Description						
						20.11
	\sim			C		
	Effective Age:		7			
	Chronological Age	:	9	Next Renewal	Year:	2026
	Service Life:	0	10	Install Year:		2014
Sector and Descention of	Information	K I				
	buildings.	5			g glued over f	loor
		in Phas	e I and II			
	Location		~	Description		
01 - Sheet Carpet - Glu	ued Down 📿	5 .	9			
r Finishes		C	2			
luded in operating budget.		· V				
lical replacement of LED exit s	igns. Cost typically	2034	15 Yrs (2)	\$0	\$0	\$0
tery packs. Cost typically inclue		(2		, -	
lical replacement of batteries a	and lamps in DC	2025	5 Yrs (6)	\$0	\$0	\$0
		Event	(30 Yr	Cost	Current	Future Cost
intenance Description		Next	Frequency	Current	30 Year	30 Year
			3			
F 1 0 - 1 - 1 /	Effective Age:		9			
		:	9	Next Renewal	Year:	2034
X S >	Service Life:		20	Install Year:		2014
-	Information			LEB CAR Sign		
· ·	Throughout buildi	ngs.				attery packs;
				-		
) - Emergency Egress I						
• • •		2034	40 115 (0)	\$0	\$0	\$ 0
, .	rad					\$5,700 \$0
	aives.					\$930
	a hua a	2024	20 Vra (1)	¢CEO	¢cro	¢020
	puild dry sprinkler valves. place sprinkler valves, as require D - Emergency Egress I O - Emergency Egress I O - Emergency Egress I O - Emergency Egress I O - Emergency Egress I - Sheet Carpet - Gle I - Sheet Carpet - Gle	nventory - 2023 place gaskets in dry sprinkler valves. puild dry sprinkler valves, as required. 7 - Emergency Egress Equipment 1 - Cocation Service Life: Chronological Age Effective Age: 1 - Emergency Egress 1 - Cocation 1 - Sheet Carpet - Glued Down 1 - Sheet Carpet - Glued Down 1 - Sheet Carpet - Glued Down 1 - Steet Carpet - Steet - Ste	nventory - 2023 2034 place gaskets in dry sprinkler valves. 2034 place sprinkler valves, as required. 2054 2 - Emergency Egress Equipment Location Throughout buildings. Information Service Life: Chronological Age: Effective Age: Effective Age: Lical replacement of batteries and lamps in DC tery packs. Cost typically included in operating budget. 2034 O1 - Sheet Carpet - Glued Down Cormon corridors in Phase buildings. Information Service Life: Chronological Age: Effective Age: Effective Age: Costion Chronological Pacement of LED exit signs. Cost typically 2034 Dide in operating budget. Costion Common corridors in Phase buildings. Information Service Life: Chronological Age: Effective Age: Effective Age:	nventory - 2023 pace gaskets in dry sprinkler valves. 2034 20 Yrs (1) paulid dry sprinkler valves, as required. 2034 20 Yrs (0) December Sequipment 2054 40 Yrs (0) December Sequipment Location Throughout buildings. Information Service Life: 20 Service Life: 20 Chronological Age: 9 Effective Age: 9 Effective Age: 9 Intenance Description Next Frequency (30) Frequency (30) Chronological Age: 9 Effective Age: 9 Intenance Description Next Frequency (30) Yrs (6) Icital replacement of batteries and lamps in DC tery packs. Cost typically included in operating budget. 2034 15 Yrs (2) Icital replacement of LED exit signs. Cost typically 2034 15 Yrs (2) Udded in operating budget. Common corridors in Phase I and II buildings. Information Service Life: 10 Chronological Age: 9 Effective Age: 7	Nventory - 2023 bace gaskets in dry sprinkler valves. 2034 20 Yrs (1) \$650 balace gaskets in dry sprinkler valves. 2034 20 Yrs (1) \$4,000 balace sprinkler valves, as required. 2054 40 Yrs (0) \$0 Description Throughout buildings. Emergency Egress Equipment Emergency lig Description Throughout buildings. Emergency lig Emergency lig Information Service Life: 20 Install Year: Chronological Age: 9 Next Renewal S0 Effective Age: 9 Next Renewal Cost Count Clical replacement of batteries and lamps in DC rep cast. Cost typically included in operating log et. 2034 15 Yrs (2) \$0 Itical replacement of LED exit signs. Cost typically 2034 15 Yrs (2) \$0 S0 Divert Finishes O1 - Sheet Carpet - Glued Down Cortion Cortion Synthetic, low floor covering substrate. Information Service Life: 10 Install Year: Next Renewal Effective Age: 9 Next Renewal Effective Age: 9 Next Renewal <td< td=""><td>Next ory - 2023 place gaskets in dry sprinkler valves. 2034 20 Yrs (1) \$650 \$650 puild dry sprinkler valves. 2034 20 Yrs (1) \$4,000 \$4,000 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. Location Emergency lighting; Unit b LED exit signs. Effective Age: 9 Next Renewal Year: clical replacement of LED exit signs. Cost typically 2025 5 Yrs (6) \$0 \$0 place sprinkler Guerd in ope</td></td<>	Next ory - 2023 place gaskets in dry sprinkler valves. 2034 20 Yrs (1) \$650 \$650 puild dry sprinkler valves. 2034 20 Yrs (1) \$4,000 \$4,000 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. 2054 40 Yrs (0) \$0 \$0 place sprinkler valves, as required. Location Emergency lighting; Unit b LED exit signs. Effective Age: 9 Next Renewal Year: clical replacement of LED exit signs. Cost typically 2025 5 Yrs (6) \$0 \$0 place sprinkler Guerd in ope

Count)

2 Yrs (15)

2024

\$31,900

Cost

\$19,912.50

\$1,327.50

floor buffing equipment. Appendix B |

J01

Re-polish the floor with polishing compounds using

T I							
	e Coho et Inventory - 2023						
J02	Recolour or replace tile grout as i	equired.	2026	12 Yrs (3)	\$2,655	\$7,965	\$13,400
R01	Renew tile floor.		2054	40 Yrs (0)	\$0	\$0	\$0
Fini	ish 03 - Wood Flooring						
14		Location			Description		
	A STATISTICS AND A STAT	Amenity and gues	st rooms		Wood laminat	te flooring	
	and the second s	Information				te nooring.	
		Service Life:		20	Install Year:		2014
		Chronological Age	e:	9	Next Renewa	l Year:	2034
		Effective Age:		9			
				-			
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Vear
Ker	Maintenance Description		Event	(30 Yr	Cost	Current	Future Cos
DO 1	Deplete wood flooring of require		2024	Count)	¢5.625	Cost	¢ 0 0 0
R01	Replace wood flooring, as require	d.	2034	20 Yrs (1)	\$5,625	\$5,625	30 Year Future Cos \$8,000
Fini	ish 04 - Mirror			3	,		
		Location		VV	Description		
		Phase I building a	menity ro	oom	Mirrored glas	s with structu	ıral fasteners
		Information	\mathcal{S}	.0			
		Service Life:	0	25	Install Year:		2014
		Chronological Ag	e: 🗡	9	Next Renewa	l Year:	2039
		Effective Age: 🏑	2.3	9			
		J.	K				
Ref	Maintenance Description	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Next	Frequency	Current	30 Year	30 Year
Ker	Maintenance Description		Event	(30 Yr	Cost	Current	Future Cos
DO 1	Develope minutered well on require		2020	Count)	¢2.000	Cost	¢c 000
R01	Replace mirrored wall, as require	u.	2039	25 Yrs (1)	\$3,600	\$3,600	\$6,000
Fini	ish 05 - Paint	Q 10					
		Location			Description		
	The second second	Hallways through	out the b	uildings.		multiple pigm	
						ied to interior ill work trim d	
		Information					
		Service Life:		10	Install Year:		2021
		Chronological Age	e:	2	Next Renewa	l Year:	2031
		Effective Age:		2			
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
	-		Event	(30 Yr	Cost	Current	Future Cos
R01	Repaint interior wall in high traffi	c area. as required	2026	Count) 5 Yrs (3)	\$5,637.50	Cost \$16,912.50	\$25,500
R02	Repaint wall surface including pre		2020	10 Yrs (3)	\$38,335	\$115,005	\$202,000
	substrate		2051			÷ · · 5,005	<i>\$202,000</i>

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Finish 06 - Baseboard, Molding and Casing

		Location			Description		
		Hallways throughout the bui		uildings.	Linear compo painted or fin		ucted out of
		Information					
		Service Life:		40	Install Year:		2014
		Chronological Age:		9	Next Renewal	Year:	2054
		Effective Age:		9			
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replace sections of damaged bas and casing.	eboard, molding,	2054	40 Yrs (0)	\$0	\$0	\$0
Fin	ish 07 - Interior Swing D	oor - General		5	0		
		Location		2 6	Description		
		Common areas of b	ooth bui	ildings.	Solid core wo door hung in hardware.		w metal swing ing including
	3	Information	_ (V	\sim			
		Service Life:	S	300	Install Year:		2014
		Chronological Age:	Õ	90	Next Renewal	Year:	2044
		Effective Age:		9			
Ref	Maintenance Description	L'A	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replace interior swing door as re	quired.	2044	30 Yrs (1)	\$74,800	\$74,800	\$140,000
Am	enities	N C	<u> </u>				
Am	en 01 - Domestic Applia						
	1.	Location			Description		
		Phase I Amenity ro	om.		Refrigerator, dishwasher o		
		Information					
	Mar 6:	Service Life:		15	Install Year:		2014
		Chronological Age:		9	Next Renewal	Year:	2029
		Effective Age:		9			
			Next	Frequency		30 Year	30 Year
Ref	Maintenance Description					•	
Ref	Maintenance Description		Event	(30 Yr Count)	Cost	Current Cost	Future Cost

Amen 02 - Metal Screen Storage Locker

	•					
	Location			Description		
	All throughout parkade			Painted metal screen storage lockers with steel framing and hardware.		
	Information					
	Service Life:		25	Install Year:		2014
	Chronological Age:		9	Next Renewal	Year:	2039
	Effective Age:		9			
Ref Maintenance Description		Next	Frequency	Current	30 Year	30 Year

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
R01	Replace metal storage lockers, as required.	2039	25 Yrs (1)	\$5,580	\$5,580	\$9,200	
Am	en 03 - Bicycle Rack Location Outside of main e converted storag Information			Description Steel frame b	icycle rack.		
	Service Life:	\sim	30	Install Year:		2014	
	Chronological Ag	e: 🔗	9	Next Renewa	l Year:	2044	
	Effective Age:		90				
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
01	Remove rust and touch up painting of bike racks, as required.	2023	5 Yrs (1)	\$300	\$300	\$300	
R01	Replace bicycle racks in parkade bike storage room, as required.	2079	35 Yrs (0)	\$0	\$0	\$0	
R02	Replace bicycle racks at main entrances, as required.	2044	30 Yrs (1)	\$5,200	\$5,200	\$9,700	
Rol Replace Dicycle racks in parkade Dike storage room, 2079 35 Yrs (0) 30 30 30 30 Ro2 Replace Dicycle racks at main entrances, as required. 2044 30 Yrs (1) \$5,200 \$9,700 Amen 04 - Central Mailboxes Location Description Flush or surface mounted, front or rear loading, brushed aluminum finish, extruded aluminum trim.							

	EL .					
Ref	Maintenance Description	Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost
		$\overline{\mathbf{O}}$	Count)		Cost	
J01	Remove rust and touch up painting of bike racks, as required.	2023	5 Yrs (1)	\$300	\$300	\$300
R01	Replace bicycle racks in parkade bike storage room, as required.	2079	35 Yrs (0)	\$0	\$0	\$0
R02	Replace bicycle racks at main entrances, as required.	2044	30 Yrs (1)	\$5,200	\$5,200	\$9,700

Amen 04 - Central Mailboxes



Location	
Main lobby of both	buildings.

Information	
Service Life:	30
Chronological Age:	9
Effective Age:	9

Description

Install Year:	2014
Next Renewal Year:	2044

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Rekey cylinder on master lock.	2024	5 Yrs (5)	\$600	\$3,000	\$4,430
R01	Replace central mail boxes as required.	2044	30 Yrs (1)	\$6,600	\$6,600	\$13,000

Amen 05 - Exterior Furniture & Accessories

Am	en 05 - Exterior Furniture	e & Accessorie	S					
		Location			Description			
No. Con		Various site location	ons		Metal benches and miscellaneous accessories.			
1		Information						
	T CONTRACTOR	Service Life:		15	Install Year:		2014	
打		Chronological Age	::	9	Next Renewa	l Year:	2029	
1		Effective Age:		9				
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year	
			Event	(30 Yr Count)	Cost	Current Cost	Future Cost	
R01	Replace furnishings in common ar	eas, as required.	2029	15 Yrs (2)	\$2,125	\$4,250	\$6,700	
٩m	en 06 - Public Signage			5	· V			
F		Location		0,0	Description			
		Front entrances ar locations.	nd variou	s site	Variety of per information p			
	286	Information	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		areas of the l	ouilding.		
	WILFERT	Service Life:	S	25	Install Year:		2014	
10	The second secon	Chronological Age		9	Next Renewa	l Year:	2039	
F	The second second	Effective Age:	2 2	9				
Ref	Maintenance Description	2	Next	Frequency	Current	30 Year	30 Year	
		0	Event	(30 Yr	Cost	Current	Future Cost	
R01	Replace damaged and outdated si	gnage, as required.	2039	Count) 25 Yrs (1)	\$2,000	Cost \$2,000	\$3,300	
٩m	en 07 - Furniture & Acces		0					
		Location	~		Description			
		Building lobbies.			Lobby chairs accessories a room and gu in the individ	ssociated wit	h amenity accounted for	
		Service Life:		15	Install Year:		2014	
	P	Chronological Age	:	9	Next Renewa	l Year:	2029	
	Commission of the local division of the loca	Effective Age:		9				
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
R01	Cyclical replacement/updating of required.	accessories, as	2029	15 Yrs (2)	\$4,000	\$8,000	\$12,200	

Amen 08 - Amenity Room Furniture & Accessories



Phase I amenity room.

-		
Information		
Service Life:	15	
Chronological Age:	9	
Effective Age:	9	

Description

Couch, chairs, tables and other miscellaneous accessories.

Install Year:	2014
Next Renewal Year:	2029

Ref	Maintenance Description		Next	Frequency		30 Year	30 Year
			Event	(30 Yr Count)	Cost	Current Cost	Future Cost
R01	Cyclical replacement/updating of acce required.	ssories, as	2029	15 Yrs (2)	\$4,000	\$8,000	\$12,200
Am	en 09 - Guest Suite			5	2		
	Lo	ation		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Description		
First level of Phase II building. Guest suite including washroom wit plumbing fixtures, furnishings, ligh fixtures, and other accessories. Ren for flooring and wall covering are included in the interior finishes asse						ings, light ories. Renewal 'ing are	
	A REAL PROPERTY AND A REAL	ormation vice Life:	0	20	Install Year:		2014
/		ronological Ag	e; (9	Next Renewa	l Year:	2034
	Eff	ective Age: 📯		9			
Ref	Maintenance Description	S	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of toilet, sink, she associated components such as fauce suite washroom.		2039	25 Yrs (1)	\$3,500	\$3,500	\$5,800
R02	Cyclical replacement/updating of furni millwork, cabinetry, appliances, lightir accessories.		2034 I	20 Yrs (1)	\$4,000	\$4,000	\$5,700
Site	work	U U					
Site	01 - Asphalt Paving	8					
		ation			Description		

Amen 09 - Guest Suite



Location

Description

	Effective Age:		9			
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Cyclical replacement of toilet, sink, shower and associated components such as faucets etc. in guest suite washroom.	2039	25 Yrs (1)	\$3,500	\$3,500	\$5,800
R02	Cyclical replacement/updating of furnishings, millwork, cabinetry, appliances, lighting fixtures, and accessories.	2034	20 Yrs (1)	\$4,000	\$4,000	\$5,700

Sitework

Site 01 - Asphalt Paving



Location		E.
Access road and parkin	ig lot.	F
Information		C
Service Life:	40	I
Chronological Age:	9	1
Effective Age:	9	

Description

Flexible asphalt paving with curbs, onto compacted gravel base.

Install Year:	2014
Next Renewal Year:	2054

1 40	/ #K 15					
Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Reapply traffic markings in parking area (the main roadway and upper driveway are bare and not included here).	2027	5 Yrs (6)	\$1,207.50	\$7,245	\$12,200

R01	Reseal asphalt paving and localized crack repairs to mitigate sub-grade softening.	2023	10 Yrs (3)	\$8,680	\$26,040	\$36,700
R02	Repave sections of asphalt paving, including sub- grade as required.	2033	10 Yrs (2)	\$39,060	\$78,120	\$123,000
R03	Asphalt paving is not deemed to be a renewable	2054	40 Yrs (0)	\$0	\$0	\$0
	asset.					

Site 02 - Concrete Walkways



Location

Information

Access road and walkways.

Description

Architectural concrete walkways, cast with control and construction joints, onto compacted gravel base. Concrete finish consists of combination of exposed aggregate, stamped, and broom finish.

/		Service Life: Chronological Age		40 9	Install Year: Next Renewal	Year:	2014 2054
		Effective Age:		9.0			
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Replace sections of concrete wall (2/4)	way, as required.	2064	40 Yrs (0)	\$0	\$0	\$0
R02	Replace sections of concrete wall (3/4)	way, as required.	2074	40 Yrs (0)	\$0	\$0	\$0
R03	Replace sections of concrete wall (4/4)	way, as required.	2084	40 Yrs (0)	\$0	\$0	\$0
R04	Replace sections of concrete wall (1/4)	way, as required.	2054	40 Yrs (0)	\$0	\$0	\$0

Site 03 - Interlocking Unit Paving Driveway/Walkway

Location



Landscaping	feature	between	the	two
buildings.	Z			

Description

Precast concrete unit pavers, combination of chip seal joint filler and jointing sand, bedding sand, and onto compacted gravel base.

	Information			
	Service Life:	40	Install Year:	2014
2	Chronological Age:	9	Next Renewal Year:	2054
	Effective Age:	9		
				20.1/

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
R01	Rebuild sections of interlocking paving, including sub-grade, as required.	2054	10 Yrs (0)	\$0	\$0	\$0
R02	Interlocking paving is not deemed to be a renewable asset.	2054	40 Yrs (0)	\$0	\$0	\$0

	e 04 - Metal Fencing							
Site		Location			Description			
		Perimeter of site walkways, stairs, on top of parkade and carious retaining walls.			Aluminum post and pickets functioning as a protective barrier to prevent accidental falls from one level to another.			
		Information		10	la stall Vara		2014	
in the second		Service Life:		40	Install Year:		2014	
a fair		Chronological Age Effective Age:	2:	9	Next Renewa	rear:	2054	
	Maintonance Description	Effective Age.	Novt		Current	20 Voor	30 Year	
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	Future Cost	
J01	Repaint metal fencing as required.		2024	10 Yrs (3)	\$9,800	\$29,400	\$43,000	
R01	Replace metal fencing.		2054	40 Yrs (0)	\$0	\$0	\$0	
Site	e 05 - Playground Equipme	ent		0,0	0.			
and a		Location		3	Description			
The second		Between building	phase I a	nd II.	Modular woo playground a rubber safety area.	pparatus. Re	constituted	
1		Information	G	8				
		Service Life:	5 ~	20	Install Year:		2014	
	The second second	Chronological Age		9	Next Renewa	Year:	2034	
		Effective Age:	4	9				
Ref	Maintenance Description	S	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	
R01	Replace outdoor playground equip	ment. O	2034	20 Yrs (1)	\$12,000	\$12,000	\$17,000	
Site	e 06 - Wood Fence	Location Pathway along rea	r of phas	e 1 huilding	Description Stacked wood	l fence on co	ncrata	
		Information		e i bunung	footings.			
		Service Life:		20	Install Year:		2014	
	A DIVERSION	Chronological Age	:	9	Next Renewa	Year:	2034	
1 Sal	A A A A A A A A A A A A A A A A A A A	Effective Age:		9				
					~ .	30 Year	30 Year	
Ref	Maintenance Description		Next Event	Frequency (30 Yr Count)	Current Cost	Current	Future Cost	

Site 07 - Garbage Enclosure



Location

Timber framed with decorative wood Within parking area near the centre of the site, opposite buildings 286 and 290 roof, painted wood trim, gates & respectively. concrete board lap siding Information

Description

Service Life:	40	Install Year:	2014
Chronological Age:	9	Next Renewal Year:	2054
Effective Age:	9		

Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr Count)	Cost	Current Cost	Future Cost
R01	Repaint/recoat wood trellis/garba	ige enclosure as	2028	6 Yrs (5)	\$6,000	\$30,000	\$51,200
	required.						
R02	Replace gate hardware.		2024	10 Yrs (3)	\$200	\$600	\$860
R03	Replace components of trellis/gaz	zebo structures.	2027	5 Yrs (6)	\$800	\$4,800	\$8,000
R04	Replace Garbage Enclosure		2054	40 Yrs (0)	\$0	\$0	\$0
Site	08 - Irrigation System		ć				
		Location	\sim	N	Description		
	HE BEALINE	Parkade and arour	nd buildir	ngs	Controller wi		
			pipes, valves, and irrigation heads distributed around the soft landscapin				
00		Information	0	distributed a	round the sof	t landscaping.	
6		Service Life:	5 5	15	Install Year:		2014
0	1		5				
0		Chronological Age		9	Next Renewa	i Year:	2029
0	11	Effective Age:	20	9			
Def	Maintenan Description		D.	F	Comment	20 1/2	20 1/2
Ref	Maintenance Description	5 2	Next Event	Frequency (30 Yr	Current Cost	30 Year Current	30 Year Future Cost
		6	Lvent	Count)	COST	Cost	Tuture Cost
R01	Cyclical replacement of component	nts of irrigation	2029	15 Yrs (2)	\$5,500	\$11,000	\$17,800
	sprinkler system, as required.						
Site	09 - Soft Landscaping	2 0					
10		Location			Description		
	and the second	Perimeter of build	ings and	various site	Lawn, ground		
Re de		locations.			and small tre	es (up to 30')	

Site 08 - Irrigation System



Location	V O
Parkade and around buil	dings
0	0
Information	X
Service Life:	15
Chronological Age:	9
Effective Age:	9

Description

Install Year:	2014
Next Renewal Year:	2029

- U								
	Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost	L
Ī	R01	Cyclical replacement of components of irrigation sprinkler system, as required.	2029	15 Yrs (2)	\$5,500	\$11,000	\$17,800	
ŀ		sprinkier system, as required.						

Site 09 - Soft Landscaping



2 0		
Location		Descr
Perimeter of buildings locations. Information	and various site	Lawn, and sr
Service Life:	15	Install
Chronological Age:	9	Next F
Effective Age:	9	

ription

ground cover, shrubs, perennials mall trees (up to 30').

Install Year:	2014
Next Renewal Year:	2029

Ref	Maintenance Description	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Clearance and pruning of trees and large shrubs as required.	2026	3 Yrs (1)	\$5,000	\$5,000	\$5,600
J02	Clearance or pruning of trees and large shrubs. [Cost is included in the Owner's Contingency Reserve Fund Budget for 2023]	2023	1 x (1)	\$28,000	\$28,000	\$29,000

The	e Coho						
Ass	et Inventory - 2023						
R01	Renovate sections of the soft lar required. It is assumed that regu completed as part of the annual and funded from the operating l landscape replacements/redesig involve a design development por renewal costs are not included a	ular replacements are landscaping contract oudget. Significant In would likely rocess therefore	2029	15 Yrs (2)	\$0	\$0	\$0
Site	e 10 - Electrical Site Serv	ices [PLACEHC	DLDER]				
		Location			Description		
		Below grade with t of parking lot. Information	ransform	ner on edge	Underground conduits and pad mounted electrical root	services from transformer	n individual
		Service Life:		50 m	Install Year:		2014
		Chronological Age	:	9	Next Renewa	l Year:	2064
17	The second second	Effective Age:		9 5	2		2014 2064 30 Year
Ref	Maintenance Description		Next	Frequency	Current	30 Year	30 Year
			Event	(30 Yr Count)	Cost	Current Cost	Future Cost
R01	Replace components of undergr services from transformer to ele to be coordinated, completed ar Hydro, at their discretion.	ctrical rooms. Work	2064	50 Yrs (0)	\$0	\$0	\$0
Site	e 11 - Underground Drai	nage Services -	Storm	0			
		Location	2 2		Description		
*		Below grade betwe connection at base Information			Concealed as buildings and line.		
		Service Life:	7	80	Install Year:		2014
		Chronological Age		9	Next Renewa	l Year:	2094
		Effective Age:		9			
Ref	Maintenance Description	100 100 100	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
J01	Review underground drainage p camera for condition and perfor		2025	5 Yrs (6)	\$1,100	\$6,600	\$10,500
J02	Powerflush underground drainag		2024	10 Yrs (3)	\$2,200	\$6,600	\$9,600

수			5 5		Count)	
rom	J01	Review underground drainage pip camera for condition and perform		2025	5 Yrs (6)	\$1,100
obtained from	J02	Powerflush underground drainage and remove any buildup of debris		2024	10 Yrs (3)	\$2,200
btair	R01	Replace components of undergrous services.	ind drainage	2094	80 Yrs (0)	\$0
was c	Site	e 12 - Underground Sewei	Services - Sev	ver		Description
	1000		Location			Description
document			Below grade betwee connection at base Information			Concealed as from the build including all a
This (Service Life:		80	Install Year:
È			Chronological Age	:	9	Next Renewal



Location

Information

Service Life:	80
Chronological Age:	9
Effective Age:	9

Description

Concealed asset. Sanitary sewer system from the buildings to the property line, including all appurtenances.

\$0

Install Year:	2014
Next Renewal Year:	2094

\$0

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The Coho Asset Inventory - 2023

Ref	Maintenance Description	Next	Frequency	Current	30 Year	30 Year
		Event	(30 Yr Count)	Cost	Current Cost	Future Cost
J01	CCTV length of services for inspection of condition and function.	2025	5 Yrs (6)	\$600	\$3,600	\$5,630
J02	Powerflush underground sanitary drains to remove buildup and debris.	2024	10 Yrs (3)	\$600	\$1,800	\$2,600
R01	Replace portions of underground sewer services, including all appurtenances. Includes temporary services during construction (assumes no room to abandon old services in place), trench backfill and asphalt patching. (1/5)	2074	10 Yrs (0)	\$0	\$0	\$0
R02	Replace portions of underground sewer services, including all appurtenances. Includes temporary services during construction (assumes no room to abandon old services in place), trench backfill and asphalt patching. (3/5)	2094	80 Yrs (0)	\$0	\$0	\$0

connection at base of service road.

Site 13 - Underground Water Services with PVC/Copper and Ductile Piping

Location



1:CU	Information		, 0,			
12°	Service Life:	· V	50 🔨	Install Year:		2014
Lined	Chronological Age	: 8	9 0	Next Renewal	Year:	2064
	Effective Age:		90			
Maintenance Description	on	Next Event	Frequency (30 Yr Count)	Current Cost	30 Year Current Cost	30 Year Future Cost
	erground water services with piping, hydrants, valves and	2064	10 Yrs (0)	\$0	\$0	\$0
Replace underground wa PVC/copper piping, hyd connections. (1/5)		2064	50 Yrs (0)	\$0	\$0	\$0
	Dradered b		,		,	

Description

hydrant.

the property line to the buildings and

Below grade between buildings and city Fire and domestic water supplies, from

R01

R02

Ordered By: Maria Furtado of One Percent Realty on 2024/08/27 Document Uploaded and Verified: 2023/05/23

Appendix C Tactical Plan

Subjective of the second secon

This document was obtained from the VREB StrataDocs System. Its use is subject to agreed upon terms and disclaimers.

Solution of the solution of th

	tical Plan 10 Year Costing - 2023	through 2052				
	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Yea	r 2023					
Enc	losure					
Encl	05 - Wood Soffit					
J01	Clean exterior soffit surfaces to remove atmospheric dirt, vegetative growth, and other stains.	Maintenance Level 1	3 Yrs	2023	\$126	\$130
Encl	13 - Steel Swing Door					
R01	Repaint steel door finish.	Renew Component	8 Yrs	2023	\$1,200	\$1,200
Mec	hanical					
Mech	1 01 - Gas Detection - Parking Garage		0			
R01	Cyclical replacement of gas detection sensors.	Renew Assembly	5 Yrs	2023	\$3,000	\$3,000
Mech	10 - Tank - DHW - Heating - Gas Fired					
R03	Replace domestic hot water heater.	Renew Assembly	8 Yrs	2023	\$17,000	\$17,000
Mech	15 - Pump - DHW - Circulation and Recirc	culation	N			
J01	Inspect brushes and remove brush dust from motor.	Maintenance Level 3	2 Yrs	2023	\$100	\$100
Mech	16 - Pumps - Storm Lift and Control Pane		$\tilde{\mathbf{v}}$			
J01	Coat exposed shaft of impeller with anti-seize compound.	Maintenance Level 3	2 Yrs	2023	\$100	\$100
Mech	25 - Overhead Gate Motor					
R01	Replace motor and drive unit.	Renew Assembly	7 Yrs	2023	\$2,500	\$2,500
Elev	vator	L' J'				
Elev	01 - Geared Traction, Overhead	A G				
J01	Check and test the overload devices.	Maintenance Level 3	2 Yrs	2023	\$1,000	\$1,000
J02	Conduct full load performance test.	Maintenance Level 3	2 Yrs	2023	\$1,000	\$1,000
Fire	Safety	, Z				
Fire (04 - Fire Hydrant	0				
J01	Repaint exterior hydrant cap, bonnet and body for sufficient identification.	Maintenance Level 2	8 Yrs	2023	\$400	\$400
J02	Lubricate cap threads with light white grease.	Maintenance Level 3	8 Yrs	2023	\$100	\$100
Ame	enities					
Ame	n 03 - Bicycle Rack					
J01	Remove rust and touch up painting of bike racks, as required.	Maintenance Level 3	5 Yrs	2023	\$300	\$300
Site	work					
Site (01 - Asphalt Paving					
R01	Reseal asphalt paving and localized crack repairs to mitigate sub-grade softening.	Renew Component	10 Yrs	2023	\$8,680	\$8,700
Site (09 - Soft Landscaping					
J02	Clearance or pruning of trees and large shrubs. [Cost is included in the Owner's Contingency	Maintenance Level 3	1 x	2023	\$28,000	\$29,000

The Coho Tactical Plan

This document was obtained from the VREB StrataDocs System. Its use is subject to agreed upon terms and disclaimers.

10 Year Costing - 2023 through 2032

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Yea	r 2024					
Enc	losure					
Encl	08 - Coating on Concrete Wall					
R01	Reapplication of the protective coating on concrete wall.	Renew Assembly	10 Yrs	2024	\$22,500	\$24,000
Encl	11 - Wood Trim			1		
J02	Touch up painting of wood trim as required.	Maintenance Level 1	2 Yrs	2024	\$1,800	\$1,900
JO3	Review exterior surfaces of wood trim for signs of distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bolt connections at exposed structural wood asset (Struct 01).	Maintenance Level 2	2 Yrs	2024	\$1,500	\$1,500
J04	Locally repair wood trim, as required.	Maintenance Level 2	2 Yrs	2024	\$2,160	\$2,200
Encl	15 - Aluminum Frame Lobby and Amenity	Room Door.	, 0			
R01	Replace/upgrade door hardware.	Renew Component	10 Yrs	2024	\$2,600	\$2,700
Encl	18 - Slab-on-Grade	0	óv			
J01	Re-apply traffic demarcation striping and directional signage. Frequency will depend on traffic volume and other factors.	Maintenance Level 1	5 Yrs	2024	\$1,000	\$1,100
J02	Heavy duty cleaning on slab surface to remove oil stains, etc.	Maintenance Level 2	5 Yrs	2024	\$437.50	\$460
R01	Prepare surface and re-apply concrete sealer as required.	Renew Component	5 Yrs	2024	\$5,700	\$6,000
Encl	19 - General & Inspections	22				
J04	Conduct leak and crack investigation at parkade walls and suspended slab.	Assessment	1 x	2024	\$7,500	\$7,700
Mec	hanical					
Mech	n 14 - Drainage - Sanitary	S.				
J02	Auger lateral drain lines.	Maintenance Level 3	10 Yrs	2024	\$4,400	\$4,700
Mech	15 - Pump - DHW - Circulation and Recirc	ulation		1		
R01	Cyclical replacement of recirculating pumps, as required.	Renew Assembly	8 Yrs	2024	\$3,400	\$3,600
Mecł	n 20 - Exhaust Fan - Parkade - Propellor					
R01	Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.	Renew Component	3 Yrs	2024	\$500	\$520
Mech	n 23 - Parkade Transfer Fan - Inline					
R01	Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.	Renew Component	3 Yrs	2024	\$500	\$520
Inte	rior Finishes					
Finis	h 02 - Tile Floor					
J01	Re-polish the floor with polishing compounds using floor buffing equipment.	Maintenance Level 2	2 Yrs	2024	\$1,327.50	\$1,400
Amo	enities					
Ame	n 04 - Central Mailboxes					
	Rekey cylinder on master lock.	Maintenance Level 2	5 Yrs	2024	\$600	\$620

uct	ical Plan 10 Year Costing - 2023 Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Site	work					
Site (04 - Metal Fencing					
J01	Repaint metal fencing as required.	Maintenance Level 2	10 Yrs	2024	\$9,800	\$10,000
Site (07 - Garbage Enclosure					
R02	Replace gate hardware.	Renew Component	10 Yrs	2024	\$200	\$210
Site	1 - Underground Drainage Services - Stor	m				
J02	Powerflush underground drainage piping to clear and remove any buildup of debris.	Maintenance Level 3	10 Yrs	2024	\$2,200	\$2,300
Site 1	2 - Underground Sewer Services - Sewer	1				1
J02	Powerflush underground sanitary drains to remove buildup and debris.	Maintenance Level 3	10 Yrs	2024	\$600	\$640
		Namenance Level S	000			

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Vaa	r 2025	TUSK	requercy	Next Event	cost (CTD)	COSt (ITD)
rea	1 2023					
Encl	losure					
Encl	03 - Aluminum Panel Soffit					
J01	Clean exterior soffit surfaces to remove atmospheric dirt, vegetative growth, and other stains.	Maintenance Level 1	3 Yrs	2025	\$1,848	\$2,000
Encl	09 - Cultured Stone Wall - Drained					
J01	Clean exterior surfaces of cultured stone cladding to remove vegetation growth and other atmospheric staining.	Maintenance Level 1	3 Yrs	2025	\$1,638	\$1,700
Encl	10 - Fiber Cement Wall Cladding and Wood	d Trim	\mathcal{O}			
J01	Clean exterior fiber cement board surfaces to remove atmospheric dirt, vegetative growth and other stains.	Maintenance Level 1	3 Yrs	2025	\$4,200	\$4,300
Encl	19 - General & Inspections	2,	0			
J02	Perform 10-year extended warranty review for phase 2 construction in sufficient time prior to expiration of warranty period for certain portions of the work. Prepare list of any deficiencies for correction.	Warranty Review	10 Yrs	2025	\$8,500	\$9,000
Elec	trical	5.0	V)			
Elec (01 - Electrical Distribution	000	/			
R01	Conduct infrared thermography and ultrasonic scanning tests on all switchgear, distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden hazards; contractor should provide certificate for insurance purposes. To be coordinated prior to planned maintenance to identify areas that require immediate attention. Tests should be conducted on energized equipment during peak demand periods if possible.	Renew Component	5 Yrs	2025	\$3,500	\$3,700
Mec	hanical	3				
Mech	05 - Drainage - Perimeter and Foundatior	1				
JO1	By means of pipe camera service, visually inspect underground piping runs. Look for build up of silts and dirt fines, tree roots, and other obstructions. Look for standing water indicating saturated soil conditions or impermeable conditions.	Maintenance Level 3	5 Yrs	2025	\$2,500	\$2,700
Mech	14 - Drainage - Sanitary					
J01	Insert video cameras into main lines to conduct pipe inspection.	Maintenance Level 3	5 Yrs	2025	\$3,300	\$3,500
Mech	15 - Pump - DHW - Circulation and Recirc	ulation				
J01	Inspect brushes and remove brush dust from motor.	Maintenance Level 3	2 Yrs	2025	\$100	\$110
Mech	n 16 - Pumps - Storm Lift and Control Pane	I				
JO 1	Coat exposed shaft of impeller with anti-seize compound.	Maintenance Level 3	2 Yrs	2025	\$100	\$110
Elev	vator					
Elev (01 - Geared Traction, Overhead					
J01	Check and test the overload devices.	Maintenance Level 3	2 Yrs	2025	\$1,000	\$1,100
J02	Conduct full load performance test.	Maintenance Level 3	2 Yrs	2025	\$1,000	\$1,100

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Fire	e Safety					
Fire	01 - Fire Alarm Panel - Addressable					
J01	Replace battery packs for fire alarm control panels.	Maintenance Level 3	5 Yrs	2025	\$800	\$850
R01	Replace battery packs.	Renew Component	5 Yrs	2025	\$560	\$590
Fire	06 - Sprinkler & Standpipe - Wet					
J01	Sprinkler Piping - Conduct flow test on piping, both exposed and underground.	Maintenance Level 3	5 Yrs	2025	\$500	\$530
J02	Sprinkler Heads - Test extra high temperature on sprinkler heads.	Maintenance Level 3	5 Yrs	2025	\$500	\$530
Fire	07 - Sprinkler System - Dry					
J01	Sprinkler Piping - Conduct flow test on piping, both exposed and underground.	Maintenance Level 3	5 Yrs	2025	\$500	\$530
J02	Sprinkler Heads - Test extra high temperature on sprinkler heads.	Maintenance Level 3	5 Yrs	2025	\$500	\$530
R02	Replace damaged sprinkler heads, hangers and leaking gaskets, cages, sway-braces, drains etc as required.	Renew Component	5 Yrs	2025	\$1,231.50	\$1,300
Site	work	3	De			
	11 - Underground Drainage Services - Stor	m	Ň			
J01	Review underground drainage piping by video camera for condition and performance.	Maintenance Level 3	5 Yrs	2025	\$1,100	\$1,200
Site	12 - Underground Sewer Services - Sewer					
J01	CCTV length of services for inspection of condition and function.	Maintenance Level 3	5 Yrs	2025	\$600	\$640
	Ordered to	by Maria Fun				

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Yea	r 2026					
Stru	ıctural					
Strue	ct 01 - Exposed Structural Wood					
R01	Re-coat or re-finish exposed structural wood as required.	Renew Component	6 Yrs	2026	\$5,500	\$6,000
Enc	losure					
Encl	01 - Laminated Asphalt Shingle Roof					
J01	Roof maintenance and repair of damaged roof areas as required.	Maintenance Level 3	5 Yrs	2026	\$16,000	\$17,000
Encl	05 - Wood Soffit		m A			
J01	Clean exterior soffit surfaces to remove atmospheric dirt, vegetative growth, and other stains.	Maintenance Level 1	3 Yrs	2026	\$126	\$140
R01	Recoat wood soffit as required.	Renew Component 🤇	6 Yrs	2026	\$1,260	\$1,400
Encl	11 - Wood Trim	3	R			
J02	Touch up painting of wood trim as required.	Maintenance Level 1	2 Yrs	2026	\$1,800	\$2,000
JO3	Review exterior surfaces of wood trim for signs of distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bolt connections at exposed structural wood asset (Struct 01).	Maintenance Level 2	2 Yrs	2026	\$1,500	\$1,600
J04	Locally repair wood trim, as required.	Maintenance Level 2	2 Yrs	2026	\$2,160	\$2,400
Encl	12 - Vinyl Framed Window	L' L'				
J01	Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.]	Maintenance Level 3	2 Yrs	2026	\$11,400	\$12,000
Encl	14 - Vinyl Frame Glazed Swing Door	L'				
J01	Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.]	Maintenance Level 3	2 Yrs	2026	\$1,560	\$1,700
Encl	19 - General & Inspections	<u>)</u>				
J01	Conduct an update to the depreciation report.	Maintenance Level 3	3 Yrs	2026	\$10,000	\$11,000
Elec	trical					
Elec	02 - Exterior Light Fixtures					
R02	Cyclical replacement of lighting controls (timers, motion sensors, etc.) as required.	Renew Component	6 Yrs	2026	\$1,000	\$1,100
Elec	05 - Proximity Access Control			11		
R01	Replace media in recording device to maintain continuous records from proximity access control devices. Retain records in secure archive for period determined by policy.	Renew Component	6 Yrs	2026	\$550	\$600
R02	Modernize components of the proximity access	Renew Assembly	12 Yrs	2026	\$22,000	\$25,000
Med	chanical					
Mecl	n 10 - Tank - DHW - Heating - Gas Fired					
R01	Cyclical replacement of various components of domestic hot water storage tanks, such as burners, controls, etc.	Renew Component	5 Yrs	2026	\$2,200	\$2,400
۸.	opendix C	1	1	1		Page 6 of

	e Coho					
lac	tical Plan 10 Year Costing - 2023		-			
N 41	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Mecr R01	n 21 - Fire Damper Cyclical replacement of failed or damaged fire damper, as required.	Renew Assembly	12 Yrs	2026	\$1,700	\$1,900
Mecł	1 24 - Exhaust Fan - Small Service - Cabine	t				
R01	Cyclical replacement of failed or damaged general purpose exhaust fans, as required.	Renew Assembly	12 Yrs	2026	\$14,850	\$17,000
Inte	rior Finishes					
Finis	h 01 - Sheet Carpet - Glued Down					
R01	Renew carpet.	Renew Assembly	10 Yrs	2026	\$72,000	\$79,000
Finis	h 02 - Tile Floor					
J01	Re-polish the floor with polishing compounds using floor buffing equipment.	Maintenance Level 2	2 Yrs	2026	\$1,327.50	\$1,500
J02	Recolour or replace tile grout as required.	Maintenance Level 3	12 Yrs	2026	\$2,655	\$3,000
Finis	h 05 - Paint					
R01	Repaint interior wall in high traffic area, as required.	Renew Component	5 Yrs	2026	\$5,637.50	\$6,200
Site	work	No.	(K)			
Site	09 - Soft Landscaping	0.	0			
J01	Clearance and pruning of trees and large shrubs as required.		3 Yrs	2026	\$5,000	\$5,600
	Controllies to the total of total	Maintenance Level 2				

	Description	T = -1.	F	Next Event		
	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Yea	ır 2027					
Med	chanical					
Mec	h 15 - Pump - DHW - Circulation and Recirc	culation				
J01	Inspect brushes and remove brush dust from motor.	Maintenance Level 3	2 Yrs	2027	\$100	\$110
Mec	h 16 - Pumps - Storm Lift and Control Pane					
J01	Coat exposed shaft of impeller with anti-seize compound.	Maintenance Level 3	2 Yrs	2027	\$100	\$110
Mecl	h 20 - Exhaust Fan - Parkade - Propellor					
R01	Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.	Renew Component	3 Yrs	2027	\$500	\$560
Mecl	h 23 - Parkade Transfer Fan - Inline		N O			
R01	Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.	Renew Component	3 Yrs	2027	\$500	\$560
Elev	vator	m				
Elev	01 - Geared Traction, Overhead	Ň	γ			
J01	Check and test the overload devices.	Maintenance Level 3	2 Yrs	2027	\$1,000	\$1,100
J02	Conduct full load performance test.	Maintenance Level 3	2 Yrs	2027	\$1,000	\$1,100
Site	work)			
Site	01 - Asphalt Paving	0 2				
J01	Reapply traffic markings in parking area (the main roadway and upper driveway are bare and not included here).	Maintenance Level 2	5 Yrs	2027	\$1,207.50	\$1,400
Site	07 - Garbage Enclosure	2.0	-			
R03	Replace components of trellis/gazebo structures.	Renew Component	5 Yrs	2027	\$800	\$900
	Replace components of trellis/gazebo structures.	N 19 D.				

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Var			- requency	NEXT EVENT		
real	r 2028					
Encl	osure					
Encl	03 - Aluminum Panel Soffit					
J01	Clean exterior soffit surfaces to remove atmospheric dirt, vegetative growth, and other stains.	Maintenance Level 1	3 Yrs	2028	\$1,848	\$2,100
Encl	09 - Cultured Stone Wall - Drained					
J01	Clean exterior surfaces of cultured stone cladding to remove vegetation growth and other atmospheric staining.	Maintenance Level 1	3 Yrs	2028	\$1,638	\$1,900
Encl	10 - Fiber Cement Wall Cladding and Wood	d Trim	$^{\circ}$			
J01	Clean exterior fiber cement board surfaces to remove atmospheric dirt, vegetative growth and other stains.	Maintenance Level 1	3 Yrs	2028	\$4,200	\$4,900
Encl	11 - Wood Trim	2,	0			
J02	Touch up painting of wood trim as required.	Maintenance Level 1	2 Yrs	2028	\$1,800	\$2,100
JO3	Review exterior surfaces of wood trim for signs of distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bolt connections at exposed structural wood asset (Struct 01).	Maintenance Level 2	2 Yrs	2028	\$1,500	\$1,700
J04	Locally repair wood trim, as required.	Maintenance Level 2	2 Yrs	2028	\$2,160	\$2,500
R01	Clean and repaint wood trim.	Renew Component	6 Yrs	2028	\$45,000	\$52,000
Encl	12 - Vinyl Framed Window	2,5				
J01	Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.]	Maintenance Level 3	2 Yrs	2028	\$11,400	\$13,000
Encl	14 - Vinyl Frame Glazed Swing Door 🛛 💎	20				
J01	Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.]	Maintenance Level 3	2 Yrs	2028	\$1,560	\$1,800
Mec	hanical					
Mech	01 - Gas Detection - Parking Garage					
R01	Cyclical replacement of gas detection sensors.	Renew Assembly	5 Yrs	2028	\$3,000	\$3,500
	Safety	,			,	,
	03 - Dry Sprinkler Compressor					
R01	Replace fire sprinkler compressor.	Renew Assembly	14 Yrs	2028	\$2,300	\$2,700
	rior Finishes	Action Association		2020	<i>42,300</i>	<i>42,100</i>
Finis	h 02 - Tile Floor					
J01	Re-polish the floor with polishing compounds using floor buffing equipment.	Maintenance Level 2	2 Yrs	2028	\$1,327.50	\$1,500
Site	work					
Site (07 - Garbage Enclosure					
R01	Repaint/recoat wood trellis/garbage enclosure as required.	Renew Component	6 Yrs	2028	\$6,000	\$7,000

The Coho Tactical Plan

10 Year Costing - 2023 through 2032

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Yea	r 2029					
Enc	losure					
	05 - Wood Soffit					
J01	Clean exterior soffit surfaces to remove atmospheric dirt, vegetative growth, and other stains.	Maintenance Level 1	3 Yrs	2029	\$126	\$150
Encl	07 - Guardrail Aluminum					
R01	Remove and re-install sections of guardrail in conjunction with balcony waterproofing membrane renewal, including inspect and re-certify guardrail.	Renew Component	15 Yrs	2029	\$22,200	\$27,000
Encl	08 - Coating on Concrete Wall		\mathcal{O}			
J01	Repair of delaminated or spalled concrete should be carried out prior to recoating.	Maintenance Level 3	10 Yrs	2029	\$13,500	\$16,000
Encl	16 - Exposed Vinyl Balcony Membrane		$)$ ϕ			
R01	Replace vinyl balcony membrane and associated components.	Renew Assembly	15 Yrs	2029	\$212,500	\$250,000
Encl	18 - Slab-on-Grade	N.				
J01	Re-apply traffic demarcation striping and directional signage. Frequency will depend on traffic volume and other factors.	Maintenance Level 1	5 Yrs	2029	\$1,000	\$1,200
J02	Heavy duty cleaning on slab surface to remove oil stains, etc.	Maintenance Level 2	5 Yrs	2029	\$437.50	\$540
R01	Prepare surface and re-apply concrete sealer as required.	Renew Component	5 Yrs	2029	\$5,700	\$7,000
Encl	19 - General & Inspections	2 2				
J01	Conduct an update to the depreciation report.	Maintenance Level 3	3 Yrs	2029	\$10,000	\$12,000
Med	chanical	Q. C.				
Mecł	n 02 - Heat Tracing - Freeze Protection					
R01	Cyclical replacement of components of electric heat tracing cable, including control module and pipe insulation.	Renew Assembly	15 Yrs	2029	\$5,500	\$6,800
Mecł	n 04 - Controls - Door Actuators	0				
R01	Cyclical replacement of electronic actuator controls, as required.	Renew Assembly	15 Yrs	2029	\$6,000	\$7,200
Mecł	n 10 - Tank - DHW - Heating - Gas Fired	/				
R02	Replace domestic hot water heater.	Renew Component	8 Yrs	2029	\$51,000	\$61,000
Mecł	n 15 - Pump - DHW - Circulation and Recirc	ulation				
J01	Inspect brushes and remove brush dust from motor.	Maintenance Level 3	2 Yrs	2029	\$100	\$120
Mecł	n 16 - Pumps - Storm Lift and Control Pane	el l				
JO 1	Coat exposed shaft of impeller with anti-seize compound.	Maintenance Level 3	2 Yrs	2029	\$100	\$120
R01	Cyclic replacement of sump pump storm lift and control panels.	Renew Assembly	15 Yrs	2029	\$9,000	\$11,000
Mecł	n 19 - Outdoor Air Handler - Makeup Air - (Gas				
R01	Cyclical replacement of pulleys and motors and vibration isolation, as required.	Renew Component	8 Yrs	2029	\$10,000	\$12,000
Elev	vator					
Elev	01 - Geared Traction, Overhead					
J01	Check and test the overload devices.	Maintenance Level 3	2 Yrs	2029	\$1,000	\$1,200
J02	Conduct full load performance test.	Maintenance Level 3	2 Yrs	2029	\$1,000	\$1,200

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
R01	Replace elevator hoist ropes.	Renew Component	15 Yrs	2029	\$56,000	\$67,000
Am	enities					
Ame	en 01 - Domestic Appliances					
R01	Replace domestic appliances.	Renew Assembly	15 Yrs	2029	\$3,400	\$4,200
Ame	en 04 - Central Mailboxes					
J01	Rekey cylinder on master lock.	Maintenance Level 2	5 Yrs	2029	\$600	\$720
Ame	en 05 - Exterior Furniture & Accessories					
R01	Replace furnishings in common areas, as required.	Renew Assembly	15 Yrs	2029	\$2,125	\$2,600
Ame	en 07 - Furniture & Accessories					
R01	Cyclical replacement/updating of accessories, as required.	Renew Assembly	15 Yrs	2029	\$4,000	\$4,800
Ame	en 08 - Amenity Room Furniture & Accesso	ries	V V	Ÿ		
R01	Cyclical replacement/updating of accessories, as required.	Renew Assembly	15 Yrs	2029	\$4,000	\$4,800
	ework	m	A			
Site	08 - Irrigation System Cyclical replacement of components of irrigation	V	ÓV			
R01	sprinkler system, as required.	Renew Assembly	15 Yrs	2029	\$5,500	\$6,800
		Renew Assembly				

The Coho Tactical Plan

10 Year Costing - 2023 through 2032

Year 2030 Enclosure Encl 11 - Wood Trim 102 Touch up painting of wood trim for signs of distress, such as warping, water damage, loose trim board and discoloration, condition of coating and sealant. Review includes exposed boit connections at exposed structural wood asset (Struct 01). Maintenance Level 2 2 Yrs 2030 \$1,800 \$2,700 Intermediate the includes exposed boit connections at exposed structural wood asset (Struct 01). Maintenance Level 2 2 Yrs 2030 \$2,160 \$2,700 Encl 12 - Vinyl Frame Window Allowance to replace insulating glazing units (IGUs) glass as required. [Refer to manufacturer's warrany if applicable.] Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 Elect 11 - Electrical plans as required. [Refer to manufacturer's warrany if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Elect 01 - Electrical plans de required and thermography and ultrasonic contricial equipment. Results may diagnose hidden tharazed; contractor should provide certificate for inmediate attention. Tests should be conduced on energized equipment Look for Stafful op of alts and dirt fines, tree roots, and other obstructions. Look for standing water industing glazing of alts and dirt fines, tree roots, and other obstructions. Look for standing water industing stand glase and previde if possible. S Yrs 2030 \$2,500 \$3,100 Mech 14 - Drainage - Perimeter and FOundat		-	 				
Enclosure Encl 11 - Wood Trim 102 Touch up painting of wood trim as required. Maintenance Level 1 2 Yrs 2030 \$1,800 \$2,200 103 tim board and discloburation, condition of coating distress, such as warping, water damage, loose connections at exposed structural wood asset Maintenance Level 2 2 Yrs 2030 \$1,500 \$1,800 104 Locally repair wood trim, as required. Maintenance Level 2 2 Yrs 2030 \$2,160 \$2,700 1051 Locally repair wood trim, as required. Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 1061 Locally repair wood trim, as required. Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 103 Biosas required. Refer to manufacturer's warrancy if applicable.] Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 103 Biosas arequired. Refer to manufacturer's warrancy if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 104 Vint Prame Clazed Swing Door Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 \$1,800 \$1,400 \$14,000 <td></td> <td>Description</td> <td>Task</td> <td>Frequency</td> <td>Next Event</td> <td>Cost (CYD)</td> <td>Cost (FYD)</td>		Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Encl 11 - Wood Trim Maintenance Level 1 2 Yrs 2030 \$1,800 \$2,200 Review exteriors surfaces of wood trim for signs of disress, such as warping, water damage, losse. Maintenance Level 2 2 Yrs 2030 \$1,500 \$2,200 103 and sealant. Review includes exposed bott connections at exposed structural wood asset (Struct 01). Maintenance Level 2 2 Yrs 2030 \$2,160 \$2,700 104 Locally repair wood trim, as required. Maintenance Level 2 2 Yrs 2030 \$1,500 \$1,800 104 Locally repair wood trim, as required. Maintenance Level 2 2 Yrs 2030 \$1,1400 \$14,000 104 Locally repair wood trim, as required. Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 105 Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 105 With condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 100 Telectrical Distribution Conduct infrared thermography and ultrasonic scamming tests on all switchgear, distribution participate attention. Tests should be condicated prior to partinage reprice	Yea	r 2030					
102 Touch up painting of wood trim as required. Maintenance Level 1 2 Yrs 2030 \$1,800 \$2,200 Review exterior surfaces of wood trim for signs of distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bott connections at exposed structural wood asset (Struct 01). Maintenance Level 2 2 Yrs 2030 \$1,500 \$1,800 104 Locally repair wood trim, as required. Maintenance Level 2 2 Yrs 2030 \$2,160 \$2,700 Encl 12 - Vinyl Framed Window Allowance to replace insulating glazing units (ICUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable]. Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Electrical Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Electrical Structurer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Bir equired. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Bir end of thermography and ultrasonic scanning tests on all switchgar, distribution panels, cable and bus connections, and other distribution panels, cable and bus connetotrify ares than torequire mineduate to lear	Enc	losure					
Review exteriors surfaces of wood trim for signs of distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bot connections at exposed structural wood asset (Struct 01). Maintenance Level 2 2 Yrs 2030 \$1,500 \$1,800 104 Locally repair wood trim, as required. Maintenance Level 2 2 Yrs 2030 \$2,160 \$2,700 104 Locally repair wood trim, as required. Maintenance Level 2 2 Yrs 2030 \$11,400 \$2,700 105 Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 105 glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$19,900 Elect 01 - Electrical Distribution panels, cable and bus connections, and duter critical equipment. Resulting and ultrasonic scanning tests on all switchgaer, distribution panels, cable and bus connections, and other or insurance to identify areas that require memory and equipment. Resulting saturates build periods if possible. \$17,500 \$3,500 \$4,300 Mech 05 - Drainage - Perimeter and Foundation panels cable and bus connections. \$17,500 \$17,500 \$2,500 \$3,100 Motor for standing water indicating saturates osill underground piping runs. Look for build in yoi faits and dift thes, ther erosts, and	Encl	11 - Wood Trim					
olistress, such as warping, water damage, losse trim board and discoluration, condition of coating connections at exposed structural wood asset (Struct 01).Maintenance Level 22 Yrs2030\$1,500\$1,800(Connections at exposed structural wood asset (Struct 01).Locally repair wood trim, as required.Maintenance Level 22 Yrs2030\$2,160\$2,700Encl 1 2 - Vinyl Framed WindowMaintenance Level 32 Yrs2030\$11,400\$14,000(Mith condensation or misting between panes of glass as required. (Refer to manufacturer's warranty if applicable.]Maintenance Level 32 Yrs2030\$11,400\$14,000(Mith condensation or misting between panes of glass as required. (Refer to manufacturer's warranty if applicable.]Maintenance Level 32 Yrs2030\$1,560\$1,900(Mith condensation or insting between panes of glass as required. (Refer to manufacturer's warranty if applicable.]Maintenance Level 32 Yrs2030\$1,560\$1,900(Conduct infrared thermography and ultrasonic scanning tests on all switchgear, distribution panels, contractor should provide certificate for nemediate attention. Tests should be conducted on energized equipment. Results may diagnose hidden periods if possible.\$ Yrs2030\$3,500\$4,300Meth OS - Drainage - Perimeter and Foundation condict dist means of pipe camera service, visally inspect. underground piping runs. Look for Structing saturated soil condict wide cameras intomain lines to conduct pipi inspection.S Yrs2030\$2,500\$3,100Lock for standing water indicating saturated soil co	J02	Touch up painting of wood trim as required.	Maintenance Level 1	2 Yrs	2030	\$1,800	\$2,200
Encl 12 - Vinyl Framed Window Allowance to replace insulating glazing units (ICUs) with condensation or misting between panes of yearanty if applicable.] Encl 14 - Vinyl Frame Glazed Swing Door Allowance to replace insulating glazing units (ICUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.] Electrical Elector 1 - Electrical Distribution Conduct infrared thermography and ultrasonic scanning tests on all switchgear, distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden maards; contractor should provide certificate for insurance purposes. To be coordinated prior to planned maintenance to identify areas that require or energized equipment. Resits biolub e conducted on energized equipment during peak demand periods if possible. Meintenance Level 3 S Yrs 2030 S 3,500 S 4,300 S 4,300 S 4,300 S 4,300 S 4,300 S 5 Yrs 2030 S 2,500 S 3,500 S 4,300 S 4,300 S 4,300 S 4,300 S 5 Yrs 2030 S 2,500 S 3,100 Look for standing water indicating saturated soil conditions or impermeable conducted on difference and ther obstructions. Look for standing water indicating saturated soil conditions or impermeable conducted P 14 - Drainage - Sanitary P 1 Insert video cameras into main lines to conduct Maintenance Level 3 S Yrs 2030 S 2,500 S 3,300 S 4,100 Mech 23 - Exhaust Fan - Parkade - Propellor CVclical replacement of motors, fan blades and Dearings on supply and exhaust fans, as required. Renew Component 3 Yrs 2030 S 500 S 610 Mech 25 - Overhead Gate Motor	JO3	distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bolt connections at exposed structural wood asset	Maintenance Level 2	2 Yrs	2030	\$1,500	\$1,800
Interval Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 Encl 14 - Vinyl Frame Glazed Swing Door glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 Electrical Sile of the part of the part of the part of the part of glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Electorical Conduct infrared thermography and ultrasonic scanning tests on all switchgear, distribution panels, collectoring the stop and warranty diagnose hidden hazards; contractor should provide certificate for planned maintenance to identify area that require mediate attention. Tests should be conducted on energized equipment during peak demand periods if possible. S Yrs 2030 \$3,500 \$4,300 Mech 05 - Drainage - Perimeter and Foundation By means of pipe camera service, visually inspect. underground piping runs. Look for build up of slits. and difting sturated soil conditions or impermeable conditions for build up of slits. and dift fines, tree orbs, and other orbs, as arequired. Maintenance Level 3 \$ Yrs 2030 \$3,300 <td>J04</td> <td>Locally repair wood trim, as required.</td> <td>Maintenance Level 2</td> <td>2 Yrs</td> <td>2030</td> <td>\$2,160</td> <td>\$2,700</td>	J04	Locally repair wood trim, as required.	Maintenance Level 2	2 Yrs	2030	\$2,160	\$2,700
Mith condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$11,400 \$14,000 Allowance to replace insulating glazing units (ICUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Electrical Electrical Distribution Conduct infrared thernography and ultrasonic scanning tests on all switchear, distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden panels, cable and bus connections, and other dense purposes. To be coordinated prior to be conducted prior to be cond	Encl			N O			
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Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 glass as required. [Refer to manufacturer's warranty if applicable.] Maintenance Level 3 2 Yrs 2030 \$1,560 \$1,900 Electrical Electrical Distribution Conduct infrared thermography and ultrasonic scanning tests on all switchgear (distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden hazards; contractor should provide certificate for insurance purposes. To be coordinated prior to planend maintenance to identify areas that require immediate attention. Tests should be conducted on energized equipment during peak demand periods if possible. Fenew Component 5 Yrs 2030 \$3,500 \$4,300 Mech 05 - Drainage - Perimeter and Foundation By means of pipe camera service, visually inspect underground piping runs. Look for build up of bills quarter indicating saturate/soil Maintenance Level 3 5 Yrs 2030 \$2,500 \$3,100 Other Standing water indicating saturate/soil Mech 14 - Drainage - Sanitary Maintenance Level 3 5 Yrs 2030 \$3,300 \$4,100 Mech 20 - Exhaust Fan - Parkade - Propellor Maintenance Level 3 5 Yrs 2030 \$3,300 \$4,100 Mech 21 - Exhaust Fan - Parkade - Propellor Kenew Component <td>Encl</td> <td>14 - Vinyl Frame Glazed Swing Door</td> <td>\sim</td> <td>X.</td> <td></td> <td></td> <td></td>	Encl	14 - Vinyl Frame Glazed Swing Door	\sim	X.			
Elec 01 - Electrical Distribution Conduct infrared thermography and ultrasonic scanning tests on all switchgear, distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden hazards; contractor should provide certificate for insurance purposes. To be coordinated prior to planned maintenance to identify areas that require immediate attention. Tests should be conducted on energized equipment during peak demand periods if possible. Renew Component 5 Yrs 2030 \$3,500 \$4,300 Mech 05 - Drainage - Perimeter and Foundation By means of pipe camera service, visually inspect underground piping runs. Look for build up of silts and dirt fines, tree roots, and other obstructions. Look for standing water indicating saturated soil conditions or impermeable conditions. Maintenance Level 3 5 Yrs 2030 \$2,500 \$3,100 Mech 14 - Drainage - Sanitary Insert video cameras into main lines to conduct pipie inspection. Maintenance Level 3 5 Yrs 2030 \$3,300 \$4,100 Mech 20 - Exhaust Fan - Parkade - Propellor Maintenance Level 3 5 Yrs 2030 \$3,300 \$4,100 Mech 23 - Parkade Transfer Fan - Inline Renew Component 3 Yrs 2030 \$500 \$610 Mech 25 - Overhead Gate Motor Kenew Component 3 Yrs 2030 \$500 \$610	J01	with condensation or misting between panes of glass as required. [Refer to manufacturer's		2 Yrs	2030	\$1,560	\$1,900
Conduct infrared thermography and ultrasonic scanning tests on all switchgear, distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden hazards; contractor should provide certificate for insurance purposes. To be coordinated prior to planned maintenance to identify areas that require immediate attention. Tests should be conducted on energized equipment during peak demand periods if possible.Renew Component5 Yrs2030\$3,500\$4,300MechanicalMech 05 - Drainage - Perimeter and Foundation By means of pipe camera service, visually inspect underground piping runs. Look for build up of silts Look for standing water indicating saturated soil conditions or impermeable conditions.Maintenance Level 35 Yrs2030\$2,500\$3,100Mech 14 - Drainage - Sanitary JoinInsert video cameras into main lines to conduct pipe inspection.Maintenance Level 35 Yrs2030\$3,300\$4,100Mech 20 - Exhaust Fan - Parkade - Propellor RoitCyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$500\$610Mech 23 - Parkade Transfer Fan - Inline RoitCyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$500\$610Mech 25 - Overhead Gate MotorKenew Component3 Yrs2030\$500\$610	Elec	trical	0,00)			
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Mech 05 - Drainage - Perimeter and FoundationBy means of pipe camera service, visually inspect underground piping runs. Look for build up of silts and dirt fines, tree roots, and other obstructions. Look for standing water indicating saturated soil conditions or impermeable conditions.Maintenance Level 35 Yrs2030\$2,500\$3,100Mech 14 - Drainage - SanitaryJ01Insert video cameras into main lines to conduct pipe inspection.Maintenance Level 35 Yrs2030\$3,300\$4,100Mech 20 - Exhaust Fan - Parkade - PropellorR01Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$500\$610Mech 25 - Overhead Gate Motor	R01	scanning tests on all switchgear, distribution panels, cable and bus connections, and other critical equipment. Results may diagnose hidden hazards; contractor should provide certificate for insurance purposes. To be coordinated prior to planned maintenance to identify areas that require immediate attention. Tests should be conducted on energized equipment during peak demand		5 Yrs	2030	\$3,500	\$4,300
By means of pipe camera service, visually inspect underground piping runs. Look for build up of silts and dirt fines, tree roots, and other obstructions. Look for standing water indicating saturated soil conditions or impermeable conditions.Maintenance Level 35 Yrs2030\$2,500\$3,100Mech 14 - Drainage - SanitaryInsert video cameras into main lines to conduct pipe inspection.Maintenance Level 35 Yrs2030\$3,300\$4,100Mech 20 - Exhaust Fan - Parkade - PropellorRenew Component3 Yrs2030\$500\$610Mech 23 - Parkade Transfer Fan - InlineRenew Component3 Yrs2030\$500\$610Mech 25 - Overhead Gate MotorRenew Component3 Yrs2030\$500\$610	Mec	hanical	Q.				
By means of pipe camera service, visually inspect underground piping runs. Look for build up of silts and dirt fines, tree roots, and other obstructions. Look for standing water indicating saturated soil conditions or impermeable conditions.Maintenance Level 35 Yrs2030\$2,500\$3,100Mech 14 - Drainage - SanitaryInsert video cameras into main lines to conduct pipe inspection.Maintenance Level 35 Yrs2030\$3,300\$4,100Mech 20 - Exhaust Fan - Parkade - PropellorRenew Component3 Yrs2030\$500\$610Mech 23 - Parkade Transfer Fan - InlineRenew Component3 Yrs2030\$500\$610Mech 25 - Overhead Gate MotorRenew Component3 Yrs2030\$500\$610	Mech	05 - Drainage - Perimeter and Foundation					
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Maintenance Level 3S Yrs2030\$3,300\$4,100Mech 20 - Exhaust Fan - Parkade - PropellorR01Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$500\$610Mech 23 - Parkade Transfer Fan - InlineR01Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$500\$610Mech 23 - Overhead Gate MotorS Yrs2030S Yrs2030\$500\$610	Mech	. .					
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Rollbearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$ 500\$ 610Mech 23 - Parkade Transfer Fan - InlineR01Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$ 500\$ 610Mech 25 - Overhead Gate Motor	Mech	•					
R01Cyclical replacement of motors, fan blades and bearings on supply and exhaust fans, as required.Renew Component3 Yrs2030\$500\$610Mech 25 - Overhead Gate Motor	R01	bearings on supply and exhaust fans, as required.	Renew Component	3 Yrs	2030	\$500	\$610
Were were were were were were were were	Mech						
	R01	bearings on supply and exhaust fans, as required.	Renew Component	3 Yrs	2030	\$500	\$610
R01Replace motor and drive unit.Renew Assembly7 Yrs2030\$2,500\$3,200	Mech	1 25 - Overhead Gate Motor	1				
	R01	Replace motor and drive unit.	Renew Assembly	7 Yrs	2030	\$2,500	\$3,200

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Fire	e Safety					
Fire	01 - Fire Alarm Panel - Addressable					
J01	Replace battery packs for fire alarm control panels.	Maintenance Level 3	5 Yrs	2030	\$800	\$980
R01	Replace battery packs.	Renew Component	5 Yrs	2030	\$560	\$690
Fire	06 - Sprinkler & Standpipe - Wet					
J01	Sprinkler Piping - Conduct flow test on piping, both exposed and underground.	Maintenance Level 3	5 Yrs	2030	\$500	\$610
J02	Sprinkler Heads - Test extra high temperature on sprinkler heads.	Maintenance Level 3	5 Yrs	2030	\$500	\$610
Fire	07 - Sprinkler System - Dry	1				
J01	Sprinkler Piping - Conduct flow test on piping, both exposed and underground.	Maintenance Level 3	5 Yrs	2030	\$500	\$610
J02	Sprinkler Heads - Test extra high temperature on sprinkler heads.	Maintenance Level 3	5 Yrs	2030	\$500	\$610
R02	Replace damaged sprinkler heads, hangers and leaking gaskets, cages, sway-braces, drains etc as required.	Renew Component	5 Yrs	2030	\$1,231.50	\$1,500
Inte	erior Finishes	, N	X			
Finis	sh 02 - Tile Floor	0	6V			
J01	Re-polish the floor with polishing compounds using floor buffing equipment.	Maintenance Level 2	2/Yrs	2030	\$1,327.50	\$1,600
Site	work)			
Site	11 - Underground Drainage Services - Stor	m Q Q				
J01	Review underground drainage piping by video camera for condition and performance.	Maintenance Level 3	5 Yrs	2030	\$1,100	\$1,400
Site	12 - Underground Sewer Services - Sewer	jo v				
J01	CCTV length of services for inspection of condition and function.	Maintenance Level 3	5 Yrs	2030	\$600	\$740
	Supplied to	M TO D				

Tactical Plan 10 Year Costing - 2023 through 2032

	Description	Tack	Fraguenci	Novt Front		
	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Yea	r 2031					
Enc	losure					
Encl	01 - Laminated Asphalt Shingle Roof					
J01	Roof maintenance and repair of damaged roof areas as required.	Maintenance Level 3	5 Yrs	2031	\$16,000	\$20,000
Encl	03 - Aluminum Panel Soffit					
J01	Clean exterior soffit surfaces to remove atmospheric dirt, vegetative growth, and other stains.	Maintenance Level 1	3 Yrs	2031	\$1,848	\$2,300
Encl	09 - Cultured Stone Wall - Drained	1				
J01	Clean exterior surfaces of cultured stone cladding to remove vegetation growth and other atmospheric staining.	Maintenance Level 1	3 Yrs	2031	\$1,638	\$2,100
Encl	10 - Fiber Cement Wall Cladding and Wood	d Trim	$)$ ϕ			
J01	Clean exterior fiber cement board surfaces to remove atmospheric dirt, vegetative growth and other stains.	Maintenance Level 1	3 Yrs	2031	\$4,200	\$5,300
Encl	13 - Steel Swing Door	ÓV	N			
R01	Repaint steel door finish.	Renew Component	8 Yrs	2031	\$1,200	\$1,500
Mec	hanical	S S)			
Mech	n 10 - Tank - DHW - Heating - Gas Fired	000				
R01	Cyclical replacement of various components of domestic hot water storage tanks, such as burners, controls, etc.	Renew Component	5 Yrs	2031	\$2,200	\$2,800
R03	Replace domestic hot water heater.	Renew Assembly	8 Yrs	2031	\$17,000	\$22,000
Mech	15 - Pump - DHW - Circulation and Recirc	ulation				
J01	Inspect brushes and remove brush dust from	Maintenance Level 3	2 Yrs	2031	\$100	\$130
Mech	n 16 - Pumps - Storm Lift and Control Pane					
J01	Coat exposed shaft of impeller with anti-seize compound.	Maintenance Level 3	2 Yrs	2031	\$100	\$130
Mech	1 22 - Coil - Electric - Duct Heater 💦 💦					
R01	Cyclical replacement of electric duct heaters.	Renew Assembly	17 Yrs	2031	\$2,200	\$2,900
Elev	vator S					
Elev	01 - Geared Traction, Overhead					
J01	Check and test the overload devices.	Maintenance Level 3	2 Yrs	2031	\$1,000	\$1,300
J02	Conduct full load performance test.	Maintenance Level 3	2 Yrs	2031	\$1,000	\$1,300
	Safety					
Fire	04 - Fire Hydrant					
J01	Repaint exterior hydrant cap, bonnet and body for sufficient identification.	Maintenance Level 2	8 Yrs	2031	\$400	\$510
J02	Lubricate cap threads with light white grease.	Maintenance Level 3	8 Yrs	2031	\$100	\$130
Inte	rior Finishes					
Finis	h 05 - Paint					
R02	Repaint wall surface including preparation of substrate.	Renew Assembly	10 Yrs	2031	\$38,335	\$49,000

	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Year	r 2032					
Stru	ctural					
Struc	t 01 - Exposed Structural Wood					
R01	Re-coat or re-finish exposed structural wood as required.	Renew Component	6 Yrs	2032	\$5,500	\$7,200
Encl	osure					
Encl (05 - Wood Soffit					
J01	Clean exterior soffit surfaces to remove atmospheric dirt, vegetative growth, and other stains.	Maintenance Level 1	3 Yrs	2032	\$126	\$160
R01	Recoat wood soffit as required.	Renew Component	6 Yrs	2032	\$1,260	\$1,600
Encl	10 - Fiber Cement Wall Cladding and Wood	d Trim		· · · · · · · · · · · · · · · · · · ·		
R01	Clean and repaint fiber cement cladding.	Renew Component	10 Yrs	2032	\$105,000	\$140,000
Encl	11 - Wood Trim	n	N	-		
J02	Touch up painting of wood trim as required.	Maintenance Level 1	2 Yrs	2032	\$1,800	\$2,300
JO3	Review exterior surfaces of wood trim for signs of distress, such as warping, water damage, loose trim board and discolouration, condition of coating and sealant. Review includes exposed bolt connections at exposed structural wood asset (Struct 01).	Maintenance Level 2	2 Yrs	2032	\$1,500	\$2,000
J04	Locally repair wood trim, as required.	Maintenance Level 2	2 Yrs	2032	\$2,160	\$2,800
Encl	12 - Vinyl Framed Window	2,5				
J01	Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.]	Maintenance Level 3	2 Yrs	2032	\$11,400	\$15,000
Encl	14 - Vinyl Frame Glazed Swing Door	C C				
J01	Allowance to replace insulating glazing units (IGUs) with condensation or misting between panes of glass as required. [Refer to manufacturer's warranty if applicable.]	Maintenance Level 3	2 Yrs	2032	\$1,560	\$2,000
Encl	19 - General & Inspections 💦 🔗 💡					
J01	Conduct an update to the depreciation report.	Maintenance Level 3	3 Yrs	2032	\$10,000	\$13,000
Elec	trical					
Elec (02 - Exterior Light Fixtures					
R02	Cyclical replacement of lighting controls (timers, motion sensors, etc.) as required.	Renew Component	6 Yrs	2032	\$1,000	\$1,300
Elec (05 - Proximity Access Control					
R01	Replace media in recording device to maintain continuous records from proximity access control devices. Retain records in secure archive for period determined by policy.	Renew Component	6 Yrs	2032	\$550	\$720
Mec	hanical					
Mech	15 - Pump - DHW - Circulation and Recirc	ulation				
R01	Cyclical replacement of recirculating pumps, as required.	Renew Assembly	8 Yrs	2032	\$3,400	\$4,600

Тас						
	tical Plan 10 Year Costing - 2023	through 2032				
	Description	Task	Frequency	Next Event	Cost (CYD)	Cost (FYD)
Inte	erior Finishes					
Finis	sh 02 - Tile Floor					
J01	Re-polish the floor with polishing compounds using floor buffing equipment.	Maintenance Level 2	2 Yrs	2032	\$1,327.50	\$1,700
Site	work					
Site	01 - Asphalt Paving					
J01	Reapply traffic markings in parking area (the main roadway and upper driveway are bare and not included here).	Maintenance Level 2	5 Yrs	2032	\$1,207.50	\$1,600
Site	07 - Garbage Enclosure					
R03	Replace components of trellis/gazebo structures.	Renew Component	5 Yrs	2032	\$800	\$1,000
		Renew Component				

Appendix D Disclosures and Disclaimers

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RDH Building Science Inc. 740 Hillside Avenue #602 Victoria, BC V8T 1Z4

Ordered By: Maria Furtado of One Percent Realty on 2024/08/27 Document Uploaded and Verified: 2023/05/23

Disclosures and Disclaimers

Condition of the Assets

The method of determining the physical condition of the assets is based on a visual review of a representative sampling of the assets in readily accessible locations, discussions with facility representatives, and review of readily available reference documents. No destructive testing or exploratory openings are carried out on any of the assets and the equipment is not disassembled, operated, or subject to re-commissioning tests. The physical review is not a full "condition assessment" since operating, testing, or exploratory openings are excluded from the scope of services.

Cost Estimating for Assets

- \rightarrow All estimates of costs are provided in future year dollars.
- → All estimates of costs are Class D estimates intended for planning purposes and not for accounting or tender use. See Glossary of Terms for definition of Class D estimates.
- → Actual costs will vary depending on several factors. The estimates assume economies of scale will be achieved by bundling work tasks together into larger renewal, repair, or rehabilitation projects. Small tasks performed individually may exceed the estimates presented.
- → Soft costs, such as consulting services and contingency allowances are not included in the budget estimates. When developing cost estimates for projects in greater detail for budgeting, each project should include appropriate soft costs such as Owner contingency, permit fees, engineering fees, etc. Depending on the sizes, scope and timing of individual projects, the magnitude of the soft costs will vary.
- → Construction costs are subject to the vagaries of the marketplace. At the time of tender, costs may vary depending on the time of the year, contractor availability, and other factors.
- → The estimates must be updated over time, further developed for scope of work and confirmed by competitive tender before any contracts are awarded.
- → Detailed repair specifications are required to be prepared in order to confirm scopes of work and costs.
- → The estimates do not include allowances for site specific access requirements or environmental concerns, which should be addressed on a project-by-project basis.
- → Consideration may sometimes need to be given to costs arising from the impact of projects on occupancy use and facility operations.
- → Replacement costs are typically based on like-for-like with a similar asset unless code or other circumstances require the replacement cost to include an upgrade.



Maintenance of the Assets:

The maintenance checklists are not exhaustive and are intended as a framework for the ongoing refinement of the maintenance program.

- → Work must only be carried out by appropriately qualified personnel who have the necessary and sufficient knowledge about the maintenance tasks and maintenance intervals.
- → The manufacturers' latest printed instructions should take precedence in the event of any conflict with the maintenance checklists.
- → The Owners' maintenance staff and/or service contractors are responsible to verify what is contained in the manufacturers' documentation regarded recommended maintenance procedures and intervals.
- → The maintenance checklists and maintenance intervals should be reviewed annually and adjusted, as required, to reflect the service environment, feedback from contractors, etc.

Specialist and Non-Specialist Reviews

Our personnel collect the asset inventory data for all the different systems, including mechanical, plumbing, fire safety, elevator, electrical, interior finishes, and sitework. Our scope of services is to identify the assets within each system, determine their age and report on their reasonable service life-cycles according to accepted industry standards. RDH personnel do not make observations with regard to specialty building system conditions unless specifically addressed in our proposal.

Forecasting the Useful Service Life of Assets

The service life of assets can be affected by a variety of circumstances, including the following:

- → The quality of the maintenance conducted on an asset will affect the service life of the asset. Poor maintenance can lead to a reduced service life and may result in the premature failure of an asset.
- → Insurable losses (force majeure), such as earthquakes, fires, and floods can shorten the life of an asset. These events are not considered in a Depreciation Report.
- → Asset service life in a Depreciation Report is determined according to accepted industry standards.

Funding Models

The funding models for Depreciation Reports are based on a 30-year horizon and use "future year dollars termed" methodology. This methodology projects the costs (in future year dollars) over the planning horizon and not beyond the terminus year of the planning horizon. The current year is the starting year of the planning horizon. The term,

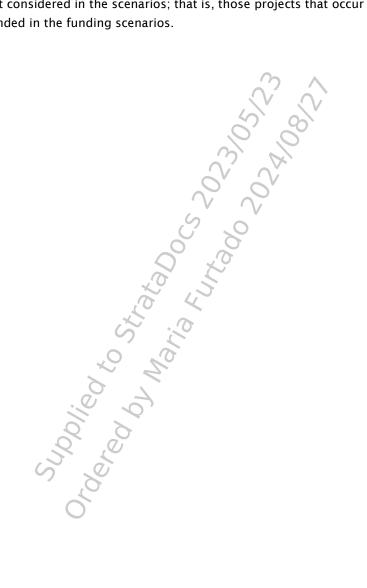


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therefore, matches the initial horizon and does not respect a shifting horizon. This means that in year 1 the funding scenarios will look forward for 30 years.

For example, in 2019 the model looks forward to 2048. In year two, it will be accurate for 29 years, as it is only looking forward to year 2048. When an update study is performed in three years, the revised funding scenarios will look forward 30 years from 2022 to 2051. Renewal and major maintenance projects that occur beyond the 30-year planning horizon are not considered in the scenarios; that is, those projects that occur beyond 30 years are unfunded in the funding scenarios.



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Appendix E

Funding Scenario Cash Flow Tables

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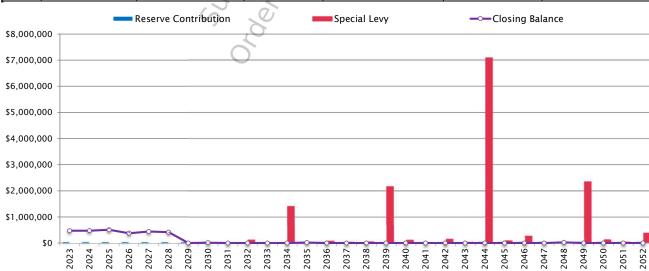
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RD	-
Making	g Buildings Better

Current Funding Model The Coho



	Making Bullui	igs Dellei			The Coho			
Fixed An	nnual Contribution of	\$65,000		Starting Reserve Balance		\$471,571		
Building			The Coho	Minimum Closing Balance \$2,000				
Interest/	/Investment Rate		2.0%	Annual Reserve Contribution \$60,500				
Planning	g Horizon		30	Reserve Contribution Increase 0.0				
Number	of Units		93	Monthly Avg. Unit Contribution \$				
Year	Opening Balance	Reserve Contribution	Special Levy	Reserve Income	Renewal Costs	Closing Balance		
2023	\$471,571	\$60,500	\$0	\$9,431	\$64,530	\$476,972		
2024	\$476,972	\$60,500	\$0	\$9,539	\$72,070	\$474,941		
2025	\$474,941	\$60,500	\$0	\$9,499	\$36,020	\$508,920		
2026	\$508,920	\$60,500	\$0	\$10,178	\$198,540	\$381,059		
2027	\$381,059	\$60,500	\$0	\$7,621	\$5,840	\$443,340		
2028	\$443,340	\$60,500	\$0	\$8,867	\$96,700	\$416,007		
2029	\$416,007	\$60,500	\$22,623	\$8,320	\$505,450	\$2,000		
2030	\$2,000	\$60,500	\$0	\$40	\$47,870	\$14,670		
2031	\$14,670	\$60,500	\$37,937	\$293	\$111,400	\$2,000		
2032	\$2,000	\$60,500	\$136,440	\$40	\$196,980	\$2,000		
2033	\$2,000	\$60,500	\$11,660	\$40	\$72,200	\$2,000		
2034	\$2,000	\$60,500	\$1,413,180	\$40	\$1,473,720	\$2,000		
2035	\$2,000	\$60,500	\$0	\$40	\$39,560	\$22,980		
2036	\$22,980	\$60,500	\$93,220	\$460	\$175,160	\$2,000		
2037	\$2,000	\$60,500	\$54,360	\$40	\$114,900	\$2,000		
2038	\$2,000	\$60,500	\$70,420	\$40	\$130,960	\$2,000		
2039	\$2,000	\$60,500	\$2,167,360	\$40	\$2,227,900	\$2,000		
2040	\$2,000	\$60,500	\$130,500	\$40	\$191,040	\$2,000		
2041	\$2,000	\$60,500	\$29,110	\$40	\$89,650	\$2,000		
2042	\$2,000	\$60,500	\$163,520	\$40	\$224,060	\$2,000		
2043	\$2,000	\$60,500	\$49,720	\$40	\$110,260	\$2,000		
2044	\$2,000	\$60,500	\$7,096,600	\$40	\$7,157,140	\$2,000		
2045	\$2,000	\$60,500	\$93,400	\$40	\$153,940	\$2,000		
2046	\$2,000	\$60,500	\$274,260	\$40	\$334,800	\$2,000		
2047	\$2,000	\$60,500	\$9,930	\$40	\$70,470	\$2,000		
2048	\$2,000	\$60,500	\$0	\$40	\$37,800	\$24,740		
2049	\$24,740	\$60,500	\$2,351,675	\$495	\$2,435,410	\$2,000		
2050	\$2,000	\$60,500	\$130,540	\$40	\$191,080	\$2,000		
2051	\$2,000	\$60,500	\$45,620	\$40	\$106,160	\$2,000		
2052	\$2,000	\$60,500	\$394,060	\$40	\$454,600	\$2,000		
		\$1,815,000	\$14,776,135	\$65,504	\$17,126,210			

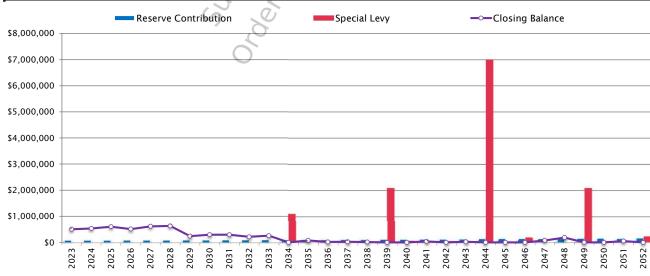


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Alternative #1 Funding Model The Coho



The cono							
Increasin	ng Annual Contributio	on, Starting at \$90,000	+ 2%	Starting Reserve Balance \$471,571			
Building			The Coho	Minimum Closing Balance \$2,000			
Interest/	Investment Rate		2.0%	Annual Reserve Contribut	tion	\$90,000	
Planning	Horizon		30	Reserve Contribution Increase 2.0%			
Number	of Units		93	Monthly Avg. Unit Contribution \$81			
Year	Opening Balance	Reserve Contribution	Special Levy	Reserve Income	e Renewal Costs	Closing Balance	
2023	\$471,571	\$90,000	\$0	\$9,43	\$64,530	\$506,472	
2024	\$506,472	\$91,800	\$0	\$10,129	\$72,070	\$536,331	
2025	\$536,331	\$93,636	\$0	\$10,727	\$36,020	\$604,674	
2026	\$604,674	\$95,509	\$0	\$12,093	\$198,540	\$513,736	
2027	\$513,736	\$97,419	\$0	\$10,275	\$5,840	\$615,590	
2028	\$615,590	\$99,367	\$0	\$12,312	\$96,700	\$630,569	
2029	\$630,569	\$101,355	\$0	\$12,611	\$505,450	\$239,085	
2030	\$239,085	\$103,382	\$0	\$4,782	\$47,870	\$299,378	
2031	\$299,378	\$105,449	\$0	\$5,988	\$111,400	\$299,415	
2032	\$299,415	\$107,558	\$0	\$5,988	\$196,980	\$215,982	
2033	\$215,982	\$109,709	\$0	\$4,320	\$72,200	\$257,811	
2034	\$257,811	\$111,904	\$1,100,849	\$5,156	\$1,473,720	\$2,000	
2035	\$2,000	\$114,142	\$0	\$40	\$39,560	\$76,622	
2036	\$76,622	\$116,425	\$0	\$1,532	\$175,160	\$19,419	
2037	\$19,419	\$118,753	\$0	\$388	\$\$114,900	\$23,660	
2038	\$23,660	\$121,128	\$0	\$473	\$130,960	\$14,302	
2039	\$14,302	\$123,551	\$2,091,762	\$286	\$2,227,900	\$2,000	
2040	\$2,000	\$126,022	\$64,978	\$40	\$191,040	\$2,000	
2041	\$2,000	\$128,542	\$0	\$40	\$89,650	\$40,932	
2042	\$40,932	\$131,113	\$53,196	\$819	\$224,060	\$2,000	
2043	\$2,000	\$133,735	\$0	\$40	\$110,260	\$25,515	
2044	\$25,515	\$136,410	\$6,996,704	\$510	\$7,157,140	\$2,000	
2045	\$2,000	\$139,138	\$14,762	\$40	\$153,940	\$2,000	
2046	\$2,000	\$141,921	\$192,839	\$40	\$334,800	\$2,000	
2047	\$2,000	\$144,759	\$0	\$40	\$70,470	\$76,329	
2048	\$76,329	\$147,655	\$0	\$1,527	\$37,800	\$187,710	
2049	\$187,710	\$150,608	\$2,095,338	\$3,754	\$2,435,410	\$2,000	
2050	\$2,000	\$153,620	\$37,420	\$40	\$191,080	\$2,000	
2051	\$2,000	\$156,692	\$0	\$40	\$106,160	\$52,572	
2052	\$52,572	\$159,826	\$243,150	\$1,05	\$454,600	\$2,000	
		\$3,651,127	\$12,890,999	\$114,514	\$17,126,210		

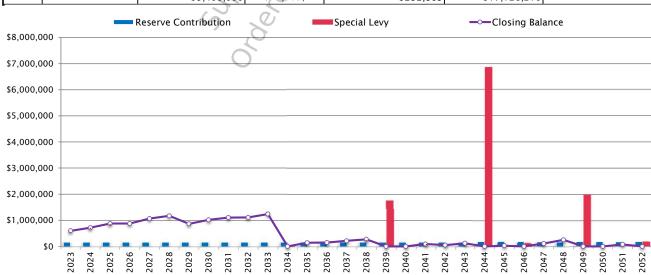


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Fixed Ar	inual Contribution of	\$180,000				
Building			The			
Interest/	Investment Rate					
Planning Horizon						
Number of Units						
Year Opening Balance		Reserve Contribution	Specia			
2023	\$471,571	\$180,000				
2024	\$596,472	\$180,000				

Alternative #2 Funding Model The Coho



Fixed Ar	nnual Contribution of	\$180,000		\$471,571				
Building			The Coho	Minimum Closing Balance \$2,000				
Interest,	/Investment Rate		2.0%	Annual Reserve Contribution \$180,000				
Planning	g Horizon		30	Reserve Contribution Increase 0.0%				
Number	of Units		93	Monthly Avg. Unit Contribution \$161				
Year	Opening Balance	Reserve Contribution	Special Levy	Reserve Income	Renewal Costs	Closing Balance		
2023	\$471,571	\$180,000	\$0	\$9,431	\$64,530	\$596,472		
2024	\$596,472	\$180,000	\$0	\$11,929	\$72,070	\$716,331		
2025	\$716,331	\$180,000	\$0	\$14,327	\$36,020	\$874,638		
2026	\$874,638	\$180,000	\$0	\$17,493	\$198,540	\$873,591		
2027	\$873,591	\$180,000	\$0	\$17,472	\$5,840	\$1,065,223		
2028	\$1,065,223	\$180,000	\$0	\$21,304	\$96,700	\$1,169,827		
2029	\$1,169,827	\$180,000	\$0	\$23,397	\$505,450	\$867,774		
2030	\$867,774	\$180,000	\$0	\$17,355	\$47,870	\$1,017,259		
2031	\$1,017,259	\$180,000	\$0	\$20,345	\$111,400	\$1,106,204		
2032	\$1,106,204	\$180,000	\$0	\$22,124	\$196,980	\$1,111,348		
2033	\$1,111,348	\$180,000	\$0	\$22,227	\$72,200	\$1,241,375		
2034	\$1,241,375	\$180,000	\$29,517	\$24,828	\$1,473,720	\$2,000		
2035	\$2,000	\$180,000	\$0	\$40	\$39,560	\$142,480		
2036	\$142,480	\$180,000	\$0	\$2,850	\$175,160	\$150,170		
2037	\$150,170	\$180,000	\$0	\$3,003	\$114,900	\$218,273		
2038	\$218,273	\$180,000	\$0	\$4,365	\$130,960	\$271,678		
2039	\$271,678	\$180,000	\$1,772,788	\$5,434	\$2,227,900	\$2,000		
2040	\$2,000	\$180,000	\$11,000	\$40	\$191,040	\$2,000		
2041	\$2,000	\$180,000	\$0	\$40	\$89,650	\$92,390		
2042	\$92,390	\$180,000	\$0	\$1,848	\$224,060	\$50,178		
2043	\$50,178	\$180,000	\$0	\$1,004	\$110,260	\$120,921		
2044	\$120,921	\$180,000	\$6,855,800	\$2,418	\$7,157,140	\$2,000		
2045	\$2,000	\$180,000	\$0	\$40	\$153,940	\$28,100		
2046	\$28,100	\$180,000	\$128,138	\$562	\$334,800	\$2,000		
2047	\$2,000	\$180,000	, O \$0	\$40	\$70,470	\$111,570		
2048	\$111,570	\$180,000	\$0	\$2,231	\$37,800	\$256,001		
2049	\$256,001	\$180,000	\$1,996,289	\$5,120	\$2,435,410	\$2,000		
2050	\$2,000	\$180,000	\$11,040	\$40	\$191,080	\$2,000		
2051	\$2,000	\$180,000	\$0	\$40	\$106,160	\$75,880		
2052	\$75,880	\$180,000	\$199,202	\$1,518	\$454,600	\$2,000		
		\$5,400,000	\$11,003,774	\$252,865				



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Progressive Funding Model The Coho



Fixed Ann	nual Contribution of	\$264,000		Starting Reserve Balance \$471,571			
Building			The Coho	Minimum Closing Balance \$2,000			
Interest/I	nvestment Rate		2.0%	Annual Reserve Contribution \$264,00			
Planning I	Horizon		30	Reserve Contribution Increase 0.0%			
Number o	of Units		93	Monthly Avg. Unit Contribution \$237			
Year	Opening Balance	Reserve Contribution	Special Levy	Reserve Income	Renewal Costs	Closing Balance	
2023	\$471,571	\$264,000	\$0	\$9,431	\$64,530	\$680,472	
2024	\$680,472	\$264,000	\$0	\$13,609	\$72,070	\$886,01	
2025	\$886,011	\$264,000	\$0	\$17,720	\$36,020	\$1,131,712	
2026	\$1,131,712	\$264,000	\$0	\$22,634	\$198,540	\$1,219,806	
2027	\$1,219,806	\$264,000	\$0	\$24,396	\$5,840	\$1,502,362	
2028	\$1,502,362	\$264,000	\$0	\$30,047	\$96,700	\$1,699,709	
2029	\$1,699,709	\$264,000	\$0	\$33,994	\$505,450	\$1,492,253	
2030	\$1,492,253	\$264,000	\$0	\$29,845	\$47,870	\$1,738,229	
2031	\$1,738,229	\$264,000	\$0	\$34,765	\$111,400	\$1,925,593	
2032	\$1,925,593	\$264,000	\$0	\$38,512	\$196,980	\$2,031,125	
2033	\$2,031,125	\$264,000	\$0	\$40,622	\$72,200	\$2,263,547	
2034	\$2,263,547	\$264,000	\$0	\$45,271	\$1,473,720	\$1,099,098	
2035	\$1,099,098	\$264,000	\$0	\$21,982	\$39,560	\$1,345,520	
2036	\$1,345,520	\$264,000	\$0	\$26,910	\$175,160	\$1,461,271	
2037	\$1,461,271	\$264,000	\$0	\$29,225	\$114,900	\$1,639,596	
2038	\$1,639,596	\$264,000	\$0	\$32,792	\$130,960	\$1,805,428	
2039	\$1,805,428	\$264,000	\$124,363	\$36,109	\$2,227,900	\$2,000	
2040	\$2,000	\$264,000	\$0	\$40	\$191,040	\$75,000	
2041	\$75,000	\$264,000	\$0	\$1,500	\$89,650	\$250,850	
2042	\$250,850	\$264,000	\$0	\$5,017	\$224,060	\$295,807	
2043	\$295,807	\$264,000	\$0	\$5,916	\$110,260	\$455,463	
2044	\$455,463	\$264,000	\$6,430,568	\$9,109	\$7,157,140	\$2,000	
2045	\$2,000	\$264,000	\$0	\$40	\$153,940	\$112,100	
2046	\$112,100	\$264,000	\$0	\$2,242	\$334,800	\$43,542	
2047	\$43,542	\$264,000	\$0	\$871	\$70,470	\$237,943	
2048	\$237,943	\$264,000	\$0	\$4,759	\$37,800	\$468,902	
2049	\$468,902	\$264,000	\$1,695,130	\$9,378	\$2,435,410	\$2,000	
2050	\$2,000	\$264,000	S0 250	\$40	\$191,080	\$74,960	
2051	\$74,960	\$264,000	\$0	\$1,499	\$106,160	\$234,299	
2052	\$234,299	\$264,000	\$0	\$4,686	\$454,600	\$48,385	
		\$7,920,000	\$8,250,061	\$532,963	\$17,126,210		



Appendix F RDH Qualifications

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Maintenance and Planning (MaP)

Our Maintenance and Planning (MaP) group works with your owner group to plan and develop strategies for the long- and short-term needs of your building—everything from roof maintenance to boiler replacement. As the acronym suggests, our services are designed so that we can provide you with a comprehensive roadMaP for the management of your assets.

RDH staff have broad practical experience assisting building owners with all aspects of planning for the long term stewardship of their building(s). Our reserve fund analysts, engineers, architects, and technologists have a wide variety of formal training—including building science, structural engineering, and mechanical engineering. We believe that by using a team approach, we can ensure an appropriate level of thoroughness and quality. We have prepared hundreds of Depreciation Reports and are recognized as industry leaders.

Depreciation Reports

A Depreciation Report is a long-range financial planning tool. It's used to identify funding requirements for costs associated with future repair, renewal, and replacement projects. The report establishes where you need to focus resources and is a good place to start developing your roadMaP.

The first step in preparing the report is to compile an inventory of all of your building's assets (roofs, boilers, carpets, etc.). Using the inventory as a foundation, we estimate the remaining life of each asset, forecast the replacement costs in future-year dollars, and display the financial analysis with graphs and cash flow tables.



RDH

About Us





Principal, Director of Corporate Operations

- \rightarrow B.A., Economics
- \rightarrow Has worked in project management since 1997
- \rightarrow Member of the Board of Directors, Condominium Home Owner's Association (CHOA)
- Member of Professional Association of Managing Agents (PAMA) \rightarrow

Jason Dunn | B.Arch.Sc., CCCA Principal, Senior Project Manager

- B.Arch.Sc., Building Science Option \rightarrow
- Certified Construction Contract Administrator, CSC \rightarrow
- \rightarrow Has worked in building science consulting since 2004



Harvey Goodman D.Eng Building Science Specialist

Robin Breuer | A.Sc.T., RRO Principal, Senior Project Manager

Registered Roof Observer, RCI, Inc.

- \rightarrow B.A.Sc., Civil Engineering
- P.Eng, Engineers and Geoscientists of BC \rightarrow
- ÷ Has worked in building science consulting since 1993



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Christy Love | P.Eng., Certified Passive House Consultant Principal, Vancouver Island Regional Manager

Has worked in building science consulting since 1998

Dipl.T., Building Engineering Technology (Building Science Option)

- \rightarrow B.A.Sc., Civil Engineering (Environmental Option)
- \rightarrow P.Eng, Engineers and Geoscientists of BC
- \rightarrow Certified Passive House Consultant, International Passive House Association
- \rightarrow Has worked in Building Science Consulting since 2003

Stephen Lowther | A.Sc.T.

Associate, Project Manager

- \rightarrow MaP Service Area Leader
- \rightarrow Dipl.T., Architectural & Building Engineering Technology
- \rightarrow Member of Applied Science Technologists and Technicians of British Columbia
- \rightarrow Member of Roof Consultants Institute, Western Canada Chapter
- Has worked in building science consulting since 2006 \rightarrow







Grant Laing | Architect AIBC

Brandon Carreira Dipl.

MaP Service Area Leader

Mechanical Specialist

Senior Project Architect

Project Manager

projects

 \rightarrow

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 \rightarrow \rightarrow

- UBC/UBCM Certified Professional program (audit only) \rightarrow
- Member of Applied Science Technologists & Technicians of British Columbia \rightarrow

Dipl.T., Architectural & Building Engineering Technology (Building Science Option)

Prepared 200+ Depreciation Reports and has been involved with 250+ MaP

Has worked in maintenance and planning consulting since 2013 and has

prepared 200+ Depreciation Reports in the Victoria office

 \rightarrow Has worked in the mechanical design field since 1978

MEDes, Architecture, University of Calgary, AB

Has worked in architecture since 1994,

 \rightarrow Technical review of asset inventories for MEFS and site assets

Member, Architectural Institute of British Columbia (AIBC)

Has worked in maintenance and planning consulting since 2011





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Nicola Alexander | B.Arch.Sc.

B.Tech., Architectural Science

- **Building Science Engineer (EIT)**
- → Dipl.T., Civil Engineering
- B.A.Sc., Civil Engineering \rightarrow
- \rightarrow Has worked in maintenance and planning consulting since 2016 and has prepared 100+ Depreciation Reports in the Victoria office



Brigitte MacKenzie Architectural Technologist AIBC Senior Architectural Technologist

- \rightarrow Member, Architectural Institute of British Columbia (AIBC)
- \rightarrow 30 years experience in architectural drafting
- \rightarrow Has worked in building science consulting since 2009
- Has worked in maintenance and planning consulting for quantity take-offs since \rightarrow 2013 and with Depreication Reports since 2020



RDH



Allan Daoust | Dipl.T., B.Eng

Building Science Engineer (EIT)

- → Dipl.T., Civil Engineering
- \rightarrow B.Eng., Civil Engineering
- \rightarrow Has worked in building science consulting since 2021



Danielle Toth | B. Eng

Building Science Engineer (EIT)

- → B.Eng., Civil Engineering
- → Has worked in maintenance and planning consulting since 2021 and has prepared 20+ Depreciation Reports in the Victoria office



Kevin Garrahan | B. Sc

- Building Science Technologist → B.Sc., Building Science
- → Has worked in the construction industry since 2019

Software Support and Programmer



Matthew Branch | P.Eng.

- Software Developer
- → B.Sc., Civil Engineering
- \rightarrow Registered professional engineer, APEGBC
- \rightarrow Has worked in engineering data analysis since 2000

Acknowledgements



Serge Desmarais | B.Arch. Architect AIBC, CP Principal (In Memoriam), Senior Building Science Specialist

RDH gratefully acknowledges the contributions of Serge Desmarais as the building science technical lead for the MaP group.

- → Registered Architect AIBC, Certified Professional
- \rightarrow 30+ years' experience in building design and construction capital renewal projects
- → RDH 2004 2017

Appendix G Insurance Certificate

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320009316542 Ref. No.

Aon Reed Stenhouse Inc. 401 West Georgia Street, Suite 1200 PO Box 3228 STN. TERMINAL Vancouver BC V6B 3X8 604-688-4442 604-682-4026 tel fax

Re: Evidence of Insurance

To Whom It May Concern Suite 400, 4333 Still Creek Drive Burnaby, BC V5C 6S6

Insurance as described herein has been arranged on behalf of the Insured named herein under the following policy(ies) and as more fully described by the terms, conditions, exclusions and provisions contained in the said policy(ies) and any endorsements attached thereto.

Insured

Coverage

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Sured RDH Building S Suite 400, 4333 Burnaby, BC V5	Still Creek Drive		23.05	
overage			2	O^*
Commercial General Liability		Insurer	Zurich Ins	surance Company Ltd
	Policy #	8850746	8	
	Effective	01-Jul-2022	Expiry	01-Jul-2023
	Limits of Liability	Products and Comp Non-Owned Automo Legal Liability for Da	bleted Operations bbile Liability \$2, amage to Hired A	ach Occurrence \$2,000,000 s, Aggregate \$2,000,000 000,000 Automobiles \$100,000 aggregate and other aggregates where applicable
Architects & Engineers Professional Liability Policy #		Insurer	Lloyd's U	nderwriters
		PSDEF2100249		
	Effective	01-Jul-2022	Expiry	01-Jul-2023
	8	Per Claim \$2,000,00 Policy Term Aggreg		

THE POLICY CONTAINS A CLAUSE THAT MAY LIMIT THE AMOUNT PAYABLE OR, IN THE CASE OF AUTOMOBILE INSURANCE, THE POLICY CONTAINS A PARTIAL PAYMENT OF LOSS CLAUSE THIS CERTIFICATE DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICY

AON

THIS CERTIFICATE CONSTITUTES A STATEMENT OF THE FACTS AS OF THE DATE OF ISSUANCE AND ARE SO REPRESENTED AND WARRANTED ONLY TO THE INSURED. OTHER PERSONS RELYING ON THIS CERTIFICATE DO SO AT THEIR OWN RISK.

Dated : 04-July-2022

Aon Reed Stenhouse Inc

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THE POLICY CONTAINS A CLAUSE THAT MAY LIMIT THE AMOUNT PAYABLE OR, IN THE CASE OF AUTOMOBILE INSURANCE, THE POLICY CONTAINS A PARTIAL PAYMENT OF LOSS CLAUSE THIS CERTIFICATE DOES NOT AMEND, EXTEND, OR ALTER THE COVERAGE AFFORDED BY THE POLICY

AON