

District of Central Saanich

Facility Long-term Asset Management Plan (F-LAMP)

Report No.0 – Master Report

Submitted by: **LEVELTON CONSULTANTS LTD.**

June 11, 2015 Levelton File # R514-1802-00

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EXECUTIVE SUMMARY

In September of 2014 the District of Central Saanich ("The District") retained Levelton Consultants Ltd. ("Levelton") to develop a facility long-term asset management (F-LAMP) plan for 46 District-owned buildings. This report presents a higher integrated view of four Sub-Reports, each with its own group of buildings.

District-owned buildings support several critical functions of local government, public works/services, community development and emergency operations. They serve as storage for records, historic documents, and specialized vehicles/equipment. Furthermore, they provide recreation, community-based activities and programmes, and a regional cultural identity. Collectively they represent a substantial portion of District capital assets. For these reasons, the District has commissioned a facility long-term asset management plan (F-LAMP) spanning the next twenty years (2015-2035) to measure and monitor anticipated upcoming maintenance and renewal expenses. The Master Report is intended to highlight overall expenses and therefore funding needs, while the four Sub-Reports allow for categorical review of each building and its key components.

The management of all the District's facility assets over the next twenty years are summarized in Table i, where the costs are combined into five-year increments.

Table i: Summary of Group Costs every 5 years

| Report | Value | 0-5yrs | 6-10yrs | 11-15yrs | 16-20yrs | 0-20yrs | % Total |
|--------------------|---------|-------------|-----------|-----------|-------------|-------------|---------|
| 1 – Municipal | Present | \$834,095 | \$409,820 | \$508,140 | \$537,760 | \$2,289,815 | 63% |
| Buildings | Future | \$887,094 | \$484,220 | \$664,697 | \$773,944 | \$2,809,955 | 03% |
| 2 – Parks and | Present | \$166,482 | \$53,755 | \$61,360 | \$147,870 | \$429,467 | 12% |
| Recreation | Future | \$174,061 | \$63,897 | \$80,652 | \$212,741 | \$531,351 | 12% |
| 2 Horitago | Present | \$156,495 | \$120,730 | \$33,270 | \$111,900 | \$422,395 | 12% |
| 3 – Heritage | Future | \$165,070 | \$142,568 | \$42,620 | \$160,387 | \$510,645 | 12% |
| 4 External Hoors | Present | \$154,420 | \$154,418 | \$100,926 | \$74,604 | \$484,368 | 120/ |
| 4 – External Users | Future | \$163,275 | \$179,774 | \$132,544 | \$105,500 | \$581,094 | 13% |
| Total | Present | \$1,311,492 | \$738,723 | \$703,696 | \$872,134 | \$3,626,045 | 1000/ |
| Total | Future | \$1,389,499 | \$870,459 | \$920,514 | \$1,252,573 | \$4,433,045 | 100% |

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1. INTRODUCTION

1.1. TERMS OF REFERENCE

In September of 2014 the District of Central Saanich ("The District") retained Levelton Consultants Ltd. ("Levelton") to develop a facility long-term asset management plan for 46 District-owned buildings.

Levelton has prepared this report solely for the use of the client and their lessees. Levelton accepts no responsibility for damages suffered by third parties as a result of decisions or actions based on this report. Levelton does not claim to have uncovered or identified all building system deficiencies during the course of this work.

1.2. SCOPE OF SERVICES

Levelton conducted the scope of work provided as per the Levelton Consultants Ltd. proposal dated August 5, 2014. This scope of work included:

- A start-up meeting with Levelton staff and the District to confirm intentions, priorities, methodology, and district contacts for each building group.
- Site visits to each building, chaperoned by District staff or external users, gathering information on each building system condition (interior finishes, building envelope, electrical, mechanical, and miscellaneous where appropriate), apparent deficiencies, restorative maintenance, and further investigation.
- A progress meeting with Levelton staff and the District to discuss findings and garner feedback
- Development of a prioritized 20-year plan for each facility asset from estimated remaining service life, last renewal date and period of renewal.

In all cases, an asset pertaining to a particular building was included if it was a part of the building's construction secured to the structure of building. Some exceptions were made: for example, kitchen equipment at ball-diamond concessions were excluded. A more detailed list of exclusions can be found in Section 0. Levelton subcontracted electrical and mechanical services to Houle Electric Ltd. and West Bay Mechanical, respectively. Levelton coordinated the sub-contractors and incorporated their efforts into the reporting.

1.3. REPORT ORGANIZATION

This Master Report provides an overview of the four Sub-Reports (Municipal, Parks & Recreation, Heritage, and External Users) to provide a complete and contextual view of the maintenance and replacement costs for all of the Districts buildings. For specific information regarding the Sub-Reports or any particular building please refer to one of the Sub-Reports or their related appendices.

Section 1 of this report provides general information regarding the scope of work, objectives, preferences and assumptions made in the reporting.

Sections 2 and 3 provide the overall asset summary and Group reporting, respectively. The overall asset summary provides a high-level overview of the four Sub-Reports, highlighting anticipated maintenance and replacement expenses at five year increments over the next 20 years. The Group reporting gives a more specific breakdown by presenting the 20-year anticipated maintenance and replacement expenses at five year increments for each building contained within a group. Appendix I contains forecasting for the overall summary at the group level. Each of the Sub-Reports then contains further detail and forecasting for each building at a component level (cladding, roofing, etc.) and forecasting for the group of buildings at a system level (building envelope, interior finishes, etc.). We have chosen to describe the buildings by organizing the components into these categories where applicable: Interior Finishes, Building Envelope, Electrical, Mechanical, and Miscellaneous. We further list building specific components or groups of components within each system.

Table 1: Distribution Outline of Reports.

| | | Master Report | | |
|------------|---|--|--|---|
| | Report 1 | Report 2 | Report 3 | Report 4 |
| | Municipal | Parks and Recreation | Heritage | External Users |
| Buildings | 1(a,b,c) – Municipal Hall 5-9, and 45-49 | 10 – Rom Knott and 11-19, 39 and 44 | 20 – Butterfield Barn and Coop and 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, and 38 | 4 – Fire Museum and 40, 41, 42, and 43 |
| Total (46) | 11 | 12 | 18 | 5 |

Notes: Excluded: boat building storage (No. 33)

Refer to Appended 'Building Reference Table' for the complete list of buildings and their numbering

Although every effort has been made to ensure that the report is appropriate for a non-technical audience, some readers may not be familiar with the terminology used in building science. Therefore, Appendix IV contains a glossary of technical terms.

1.4. DISTRICT OBJECTIVES

District-owned buildings support several critical functions of local government, public works/services, community development and emergency operations. They serve as storage for records, historic documents, and specialized vehicles/equipment. Furthermore, they provide recreation, community-based activities and programmes, and regional cultural identity. Collectively, they represent a substantial portion of District capital assets. For these reasons, the District has commissioned a long-term asset management plan span the next twenty years (2015-2035) to measure and monitor anticipated upcoming expenses in maintenance and renewal. Expenses included in this report represent F-LAMP expenses. As a brief aside, F-LAMP expenses differ from operating expenses (janitorial, annual servicing/inspection) in that they occur less frequently (upwards of 80-year renewal periods), are financially great enough to require advance planning and funding, and their condition is fundamental to the operation, performance, health and safety of the building.

The District has outlined the following objectives for the plan:

- Maximize useful life of each facility
- Protection of assets
- Cost savings over the long term
- Enhanced public safety and health
- Reduced disruption of services and greater efficiencies

By performing the long-term asset management plan, the following benefits are also anticipated:

- Improved health and safety of all building inhabitants
- Efficient building operation and performance
- A productive environment for employees
- Preserved integrity and character of heritage facilities

Creating a 20-year plan for District building infrastructure engages a proactive roadmap to campaign and allocate funds with resultant purpose and intent. These reports are intended to assist decision makers with planning of capital and operational budgets toward future investment in District-owned buildings.

1.5. DISTRICT PREFERENCES

Within the request for proposal, and at start-up and progress meetings, the District described some preferences that were addressed within Levelton's reporting. The general intention with the building components is maintenance in perpetuity without renewal, a common example being diligent maintenance of wood board siding (cleaning, substrate prep, and painting) instead of replacing the siding. When required, renewal is prioritized by building function and operation. Health-and-safety services such as fire, police, and government are given greatest priority.

Preference towards heritage buildings is to maintain indefinitely at steady state, and to prevent deterioration while preserving heritage appeal. The District generally adheres to the Government of Canada's "Standards & Guidelines for the Conservation of Historic Places in Canada – Second Edition" in their approach to managing the maintenance of heritage buildings. These guidelines primarily deal with preserving the original form and character of heritage sites, advocating repair and stabilization more than replacement of components.

Phasing maintenance and renewal by elevation (varying exposures) was deemed too detailed for the District's intentions. Similarly, buildings with multiple roofs renewed at different times of different sizes would instead be modelled as being renewed for, say 5 years, an equal amount each year. Statistically the sensitivity of the overall model to this inaccuracy and approximation is expected to be low, and lower than the sensitivity to, say, available funding or differences between bids at tender. In all cases, the intended future use(s) of the building was considered when determining the level of renewal required to serve out the building's remaining service life.

1.6. ASSUMPTIONS

A number of reasonable assumptions were necessary to simplify the reporting process. Where architectural drawings were not available to perform quantity takeoffs, a measuring-wheel, measuring-tape and photographs



were used to estimate building dimensions. Where specific ages or previous maintenance of building components were unavailable, assumptions were made based on our visual review.

Assumptions regarding the age of mechanical and electrical equipment were made by sub-contractors where applicable. Where installation dates were not available from The District, the sub-contractor assigned an age to each respective component from assessment of physical condition, generation of technology, and technical knowledge. Estimates provided by Levelton, Houle Electric, and West Bay Mechanical are of class 4/5 nature (screening to feasibility). At the time of replacement it is expected that The District will seek a quotation from specific contractors or tendering proponents.

For newer buildings or renewal events further away from the present, there is a need to acknowledge the inability to be accurate to say, the nearest year such that a 15 20, 25 year service life approximation is applied. This creates a 'binning' effect at these years (see for example Building No.5-Fire Station #1). In actuality, renewal can and would occur around these dates. We separately applied a normal distribution curve to these dates where the likelihood changed randomly, and found that lower-funded scenarios were less able to weather unexpected earlier expenses.

2. OVERALL ASSET SUMMARY

2.1. OVERALL REPORTING

The management of assets over the next twenty years for The District is summarized in Table 2, where the costs are combined into five-year increments.

The groups of buildings from reports 2, 3 and 4 represent similar group expenses. All three of these reports are forecasted to be between \$400,000 and \$500,000 (present value) over the 20 year report period. The group of buildings associated with Report 1, the municipal buildings, represent the majority of the forecasted expenses, totalling more than the other three report groups combined and representing close to two-thirds (63%) of total projected maintenance and replacement costs.

Table 2: Summary of Group Costs every 5 years

| Report | Value | 0-5yrs | 6-10yrs | 11-15yrs | 16-20yrs | 0-20yrs | % Total |
|--------------------|---------|-------------|-----------|-----------|-------------|-------------|---------|
| 1 – Municipal | Present | \$834,095 | \$409,820 | \$508,140 | \$537,760 | \$2,289,815 | 63% |
| Buildings | Future | \$887,094 | \$484,220 | \$664,697 | \$773,944 | \$2,809,955 | 05% |
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| 3 – Heritage | Future | \$165,070 | \$142,568 | \$42,620 | \$160,387 | \$510,645 | 12% |
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| 4 – External Users | Future | \$163,275 | \$179,774 | \$132,544 | \$105,500 | \$581,094 | 13% |
| Total | Present | \$1,311,492 | \$738,723 | \$703,696 | \$872,134 | \$3,626,045 | 1000/ |
| iotai | Future | \$1,389,499 | \$870,459 | \$920,514 | \$1,252,573 | \$4,433,045 | 100% |

Figure 1 displays the combined expenses (maintenance, replacement and restorative maintenance) from all four groups of buildings over the next 20 years. The first five years signify the greatest expense years with the peak year occurring in 2020 at almost \$450,000 (future value). The majority of these expenses are replacement costs originating from the Municipal Buildings Group, most notably the aging Municipal Hall. Years 6-15 show a decrease in expenses before ramping up again for the final five years where the combination of aging systems and 10-20 year renewals from the first five years are once again up for replacement. Maintenance costs vary over the 20 years from \$10,000 (2019) to \$70,000 (2021). As previously mentioned expenses were tabulated for F-LAMP expenses only, annual operating expenses such as cleaning roofs, small building envelope repairs and janitorial work were assumed to occur internally through District staff and were not included.

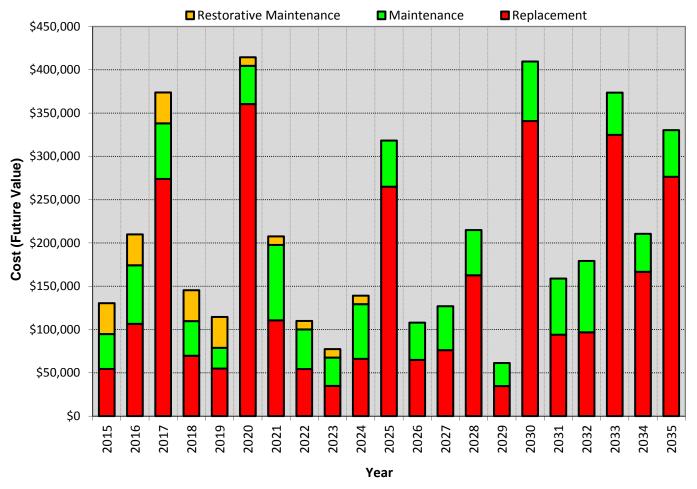


Figure 1: Projected Maintenance, Replacement and Restorative Maintenance Expenses (Future Value) For All Buildings.

The five largest monetary years for both maintenance and replacement across all groups are drawn from the forecasting tables in the appendices and are summarized chronologically in Table 3. Please view the individual group reports and appendices for detail on origin of these expenses.

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Table 3: Chronological List of Top-5 Monetary years for Maintenance and Replacement in All Buildings

| | Report | Highlighted Building(s) | Cost | Year |
|-----------|-----------------------|--------------------------------|-----------|------|
| ce | R4-External Users | No.41 Centre For Active Living | \$36,285 | 2021 |
| anc | R1-Municipal Services | No.1 Municipal Hall | \$26,600 | 2032 |
| Maintenan | R4-External Users | No.40 Lions Hall | \$17,196 | 2030 |
| lain | R3-Heritage | No.22 Butterfield Residence | \$11,670 | 2028 |
| 2 | R1-Municipal Services | No.5 Fire Station 1 | \$11,850 | 2034 |
| | | | | |
| 1 | R1-Municipal Services | No.1 Municipal Hall | \$101,600 | 2017 |
| ment | R1-Municipal Services | No.6 Public Service Complex | \$89,560 | 2020 |
| Scel | R1-Municipal Services | No.1 Municipal Hall | \$102,770 | 2020 |
| Replace | R1-Municipal Services | No.1 Municipal Hall | \$115,940 | 2030 |
| Ř | R1-Municipal Services | No.5 Fire Station 1 | \$107,450 | 2033 |

'Restorative maintenance (RM)' as outlined in each Sub-Report refers to a 'one-time' non-typical investment needed to repair a defect or reinstate basic performance to a part of a building, so that regular maintenance can be effective (e.g., decayed siding must be replaced before it can be cleaned or painted). During our cursory visual review we identified areas that were in need of repair for select buildings within, we suggest, the next five to ten years. For each building group, we collectively assigned a cost for the list of RM tasks, then distributed the expenses equally over the five to ten year period. Table 4 describes the total restorative maintenance costs recommended for each report. For greater detail and to view the recommended restorative maintenance as it relates to each building please refer to section 2.3 of each respective Sub-Report and related appendices.

Table 4: Restorative Maintenance Costs per Report Group.

| Report | Total Expected Costs |
|-------------------------|----------------------|
| R1-Municipal Services | \$105,000 |
| R2-Parks and Recreation | \$16,500 |
| R3-Heritage* | \$98,000 |
| R4-External Users | \$7,700 |
| Total | \$227,200 |

Note: RM expenses for Heritage buildings was distributed over 10 years as opposed to 5 years for all other groups. The greater period for Heritage buildings was reasoned as the repairs are less urgent and the future use of most of the buildings is under review by The District.

This total of \$227,200 includes a 10% contingency, 20% overhead and 10% profit to the Contractor (consulting fees are not included). These estimates are typical for Contractors, although this work may be achieved through gifts in kind or at discounted rates given the building leases are local not-for-profit groups. However, savings may be offset by potential consulting fees on a project-specific basis, so maintaining a 40% surcharge is not unreasonable. Therefore, \$35,600 per year can anticipated for the first five years of the forecasting period to address RM items with a further \$9,800 for five additional years with the Heritage group as noted above.

2.2. EXCLUSIONS

During the reporting process, Levelton and The District confirmed on a number of areas that would be excluded from the funding model. Exclusions were either due to their age, durability, user priority, renewal date beyond 20 years, low cost, or likelihood that they would be replaced promptly from an operating budget as they must remain functional and safe. As time passes, components can be added or deleted from this list based on changing conditions or rising repair costs; some of items excluded are listed below:



- Kitchen assets such as cooking equipment (grill, fryer, exhaust).
- Assets forming part of the ground-works or site infrastructure beyond the building footprint such as perimeter fencing, roadways, parking areas, picnic tables
- Low-voltage wiring
- Washroom/change-room fixtures
- Supplemental space heaters
- IT equipment
- Interior doors
- Ceiling tile
- Counters, cabinets, tables
- Wall fixtures
- Fixtures or components not attached to the buildings

Additionally, other physical assets owned, maintained and replaced by the District that are not building related include, but are not limited to, sidewalks, roads, drive aisles, subsurface infrastructure and similar. Such items are beyond the scope of this report.

3. GROUP REPORTING

This section addresses each group report at the building level. Further breakdown of each building to the building system and component level is provided in respective Sub-Reports. Appendix III – Building Reference Table, provides information on each of the 46 buildings along with thumbnail perspective and aerial images.

3.1. OVERALL VISUAL CONDITION SUMMARY

A visual-only review was performed for this report and study. A general condition of good, average, fair, poor or concealed was used to describe the condition of each item as observed during the visual review. Please refer to each buildings visual review, within their respective Sub-Report, for reported condition of building systems. Many items observed were beyond the expected service life for the same or similar components, but they continue to function and operate effectively. For such items we have modeled the next maintenance and/or replacement to take place within the first 5 year period of the report (typically this coming fiscal year). However, items with a visual condition of average or better may not require immediate attention and may wish to be deferred.

3.2. REPORT 1 – MUNICIPAL BUILDINGS

3.2.1. Description

Municipal buildings owned and managed by The District date from 1965-present. The buildings can be split into three use/service types: public works/services, government and emergency operations, and community services. Government and emergency services include the municipal hall in Saanichton (Admin, Police and Fire Station #2) and the recently constructed Fire Station #1 near the intersection of Keating Cross Road and West Saanich Road. The municipal hall includes buildings 1a, 1b, and 1c to collectively be termed 'Building 1'. The public works and service yard houses buildings No. 6-8 and supplemental infrastructure (buildings 45-48). Environmental compliance items at the public works have been assigned building No. 49 however they were included for reference only to The District and not included within financial modelling. The final municipal building is the Cultural Centre at Brentwood Bay Village. It is a multi-purpose building for community services



and programs with the primary service being the Districts library.

3.2.2. Financial Forecast of Report 1

The management of assets over the next 20 years for Report No.1, Municipal Buildings, is summarized in Table 5 where anticipated expenses are combined in five-year increments. The costs vary with differences in age, construction, extent of utilities, size and occupancy. The aging Municipal Hall represents close to 40% of the group twenty year total costs. Fire Station #1 is a substantial building with extensive electrical and mechanical equipment, however its robust design and recent construction defer a significant portion of anticipated expenses beyond the twenty year timeframe of this report. A large portion of the identified costs for the Public Works buildings are attributed to upgrading utility services (sewer and water) at the Main Complex within the first five years.

Table 5: Summary of Present-Value Report 1 Building Costs every 5 years

| Building | 0-5yrs | 6-10yrs | 11-15yrs | 16-20yrs | 0-20yrs |
|-------------------------------|--------------|-------------|------------|--------------|--------------|
| No.1 Municipal Hall | \$348,455 | \$238,350 | \$272,515 | \$167,820 | \$1,027,140 |
| | | | | | |
| No.5 Fire Station # 1 | \$29,200 | \$33,100 | \$64,745 | \$157,150 | \$284,195 |
| No.6 PW Main Complex | \$228,470 | \$62,000 | \$83,630 | \$80,100 | \$454,200 |
| No.7 PW East Bays / Roads & | \$21,070 | \$5,400 | \$2,700 | \$56,600 | \$85,770 |
| Parks Shop | | | | | |
| No.8 PW Wood Shop | \$5,460 | \$450 | \$- | \$1,450 | \$7,360 |
| No. 45 PW Equipment Shed | \$2,150 | \$- | \$- | \$- | \$2,150 |
| No. 46 PW Equipment & | \$1,650 | \$- | \$- | \$2,280 | \$3,930 |
| Supplies Shed | | | | | |
| No. 47 PW Water/Sewer | \$- | \$10,800 | \$- | \$- | \$10,800 |
| Equipment Shed | | | | | |
| No. 48 PW Salt Shed | \$- | \$- | \$18,100 | \$- | \$18,100 |
| No.9 Cultural Centre | \$92,640 | \$59,720 | \$66,450 | \$72,360 | \$291,170 |
| Group Restorative Maintenance | \$105,000 | \$- | \$- | \$- | \$105,000 |
| Total | \$834,000 | \$409,800 | \$508,100 | \$537,800 | \$2,289,800 |
| iotai | \$139,000/yr | \$82,000/yr | 101,630/yr | \$107,600/yr | \$109,000/yr |

Figure 2 displays the maintenance and replacement expenses over the next 20 years. The largest expense years are projected within the first five years (2017 & 2020) and final five years (2030 & 2033). Within the first five years, large costs are occurring from improving the Public Works infrastructure, and replacing remaining aluminum windows, interior finishes (linoleum & paint), electrical and mechanical equipment at the Municipal Hall. The large years near the end of the twenty years (2030 and 2033) can be attributed to roofing replacement at the Municipal Hall and the beginning of electrical and mechanical equipment replacements at the highly automated Fire Station #1. Replacement expenses are more varied, while maintenance expenses are distributed fairly evenly over the twenty years.

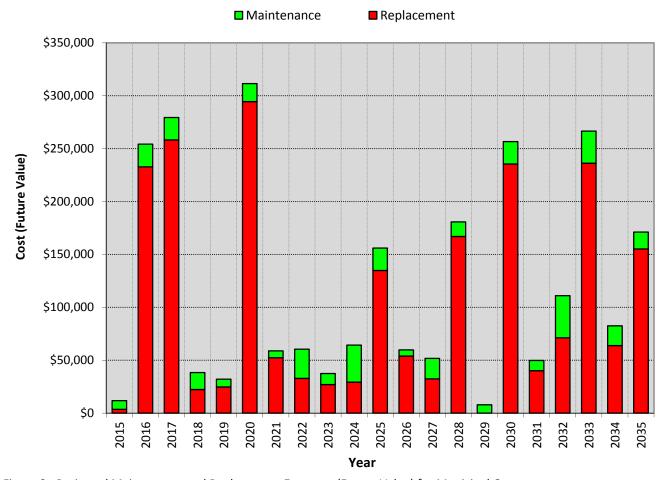


Figure 2: Projected Maintenance and Replacement Expenses (Future Value) for Municipal Group

3.3. REPORT 2 - PARKS AND RECREATION BUILDINGS

Levelton File # R514-1802-00

June 11, 2015

3.3.1. Description

Parks and Recreation buildings owned and managed by The District date from c.1967-2012. The group's buildings are located in three municipal parks: Rom Knott, Verdier and Centennial. Rom Knott and Centennial Park are used extensively as sporting facilities for various District clubs and leagues. Verdier Park offers walking paths, marine views and boating access. Centennial Park includes ten of the twelve buildings for this group and is by far the largest area with playing fields and walking trails totaling 18.42 hectares.

3.3.2. Financial Forecast of Report 2

The management of assets over the next 20 years for Report No.2: Parks and Recreation Buildings is summarized in Table 6, where anticipated expenses are combined into five-year increments. The largest expense years are found in the first and final five year increments, resulting heavily from roof renewals of the larger buildings and replacement of primary electrical/mechanical equipment. The large variation in expenses across buildings for this group are primarily attributed to differences in construction, extent of utilities, size and occupancy. The Fieldhouse represents more than one-third of the total cost, and Buildings No.17, 19 and 39 represent another third. The greater expense buildings have more extensive electrical and mechanical equipment, interior finishes and exterior paint to maintain, and larger roofing areas to replace. Greater occupancy in Buildings 11, 12 and 19 also contributes to inflated expenses by placing greater diligence on maintaining the interior and building envelope.

Table 6: Summary of Present-Value Report 2 Building Costs every 5 years

| Building | 0-5yrs | 6-10yrs | 11-15yrs | 16-20yrs | 0-20yrs |
|---------------------------------|-------------|-------------|-----------|-------------|-------------|
| No.10 Rom Knott Park Concession | \$ 16,985 | \$ 8,260 | \$ 1,000 | \$ 18,215 | \$ 44,460 |
| No.11 Verdier Park Washrooms | \$ 1,600 | \$ 2,700 | \$ 2,000 | \$ 4,140 | \$ 10,440 |
| No.12 CP Fieldhouse | \$ 59,100 | \$ 19,410 | \$ 6,500 | \$ 80,515 | \$ 165,525 |
| No.13 CP Diamond #1 Utility | \$ 1,700 | \$ 200 | \$ 500 | \$ 200 | \$ 2,600 |
| No.14 CP Diamond #1 | \$ 700 | \$ 600 | \$ 800 | \$ 600 | \$ 2,700 |
| No.15 CP Diamond #2 | \$ 2,280 | \$ - | \$ 1,500 | \$ - | \$ 3,780 |
| No.16 CP Diamond #5 | \$ 16,930 | \$ 4,100 | \$ 2,440 | \$ 6,860 | \$ 30,330 |
| No.17 CP Diamond #6 | \$ 21,080 | \$ 1,400 | \$ 18,105 | \$ 5,330 | \$ 45,915 |
| No.18 CP Lacrosse Storage | \$ 1,100 | \$ 7,100 | \$ - | \$ 1,100 | \$ 9,300 |
| No.19 CP Residence | \$ 13,315 | \$ 6,985 | \$ 21,980 | \$ 9,460 | \$ 51,740 |
| No.44 CP Garage | \$ 5,500 | \$ 1,000 | \$ 2,850 | \$ 8,500 | \$ 17,850 |
| No.39 CP Shelter#2 & Storage | \$ 9,700 | \$ 2,000 | \$ 7,450 | \$ 12,950 | \$ 32,100 |
| Group Restorative Maintenance | \$16,500 | \$- | \$- | \$- | \$16,500 |
| Total | \$166,500 | \$ 53,755 | \$ 65,125 | \$147,870 | \$ 433,200 |
| Total | \$27,750/yr | \$10,750/yr | 13,000/yr | \$29,600/yr | \$20,600/yr |

Figure 3 displays maintenance and replacement expenses over the next 20 years for Parks and Recreation buildings. The largest years of expense are projected in 2017, 2033 and 2035 where CP Fieldhouse electrical equipment and roofing membrane are respectively due for replacement. Years 2032 and 2033 represent back to back \$50,000 expense years that The District should take into consideration for long-term planning. The first and final five-year periods each represent about a third of the total 20-year costs while the middle ten years combine for the remaining third. Replacement costs are more scattered, while maintenance expenses are distributed more evenly over the twenty years

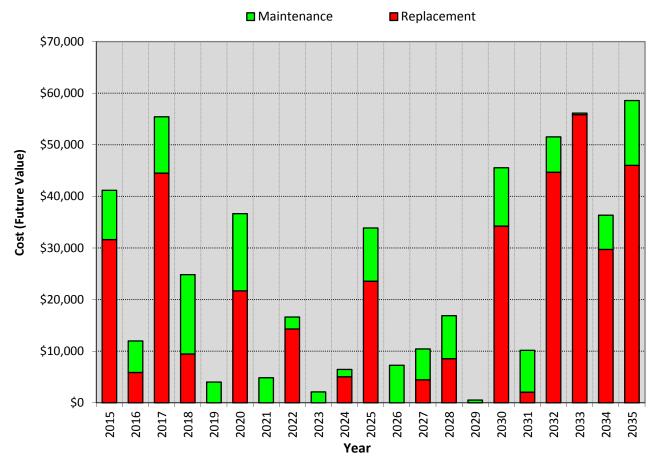


Figure 3: Projected Maintenance and Replacement Expenses (Future Value) for Parks & Recreation Group

3.4. Report 3 – Heritage Buildings

3.4.1. Description

Eighteen heritage buildings owned by The District date back to the nineteenth century and are located in three areas of the municipality: Newman Farm, Butterfield Park and Pioneer Park. Newman Farm is a 6.6-hectare municipally owned park that stretches west from the coast of the Eastern Saanich peninsula, near the Cordova Channel, to the Old V & S Road in a manner similar to the New France seigneurial system along the St. Lawrence River. The farm is divided into three areas: homestead, central farm and shoreline. Newman Farm contains fourteen heritage buildings ranging from the nineteenth-century original cabin to livestock barns and workshops. The farm was officially transferred to The District in July 2003 for use as public parkland, and two of the three land areas are located in the Agricultural Land Reserve. Butterfield Park was previously owned by Jack Butterfield who, at the time, captained the Mill Bay ferry. The 13-acre site was gifted to The District in 1989 and received heritage status and the Hallmark Society's Louis Award in 1993. A park caretaker lives in the residence providing on-site security. Brentwood Bay Village houses the final heritage building in The District inventory, West Saanich School. The school is located in Pioneer Park on West Saanich Road and is used by community clubs and groups, most notably Scouts and Girl Guides Canada. Designated in 2004, the c.1908/1916 school is currently being restored to vintage character.

3.4.2. Financial Forecast of Report 3

The management of assets over the next twenty years for the Heritage Buildings is summarized in Table 7, where the costs are combined into five-year increments. Buildings that are not energized and unoccupied are generally within the \$5,000-\$10,000 range over the 20-year period, except for the larger Newman Farm buildings (23, 24, 28, 35 and 37). The Butterfield Residence and West Saanich School represent the high-expense buildings for the group, at a combined 52% of the 20-year total cost. Their greater expenses result from having the most extensive electrical and mechanical equipment, interior finishes and exterior paint to maintain, and the two largest roofing areas to replace. As the Newman Farm buildings are not occupied and their future use has yet to be fully determined, much of their expected costs will depend on the level of emphasis The District places on them. For example, building 24 (NF Workshop) may have its roof replacement deferred if by year 2034 the farm is not an interactive heritage attraction. The occupied buildings (22 and 38) have a tighter tolerance to these projected expenses, as they are utilized publicly and must maintain a healthy and safe environment.

Table 7: Summary of Present-Value Report 3 Building Costs every 5 years

| Building | 0-5yrs | 6-10yrs | 11-15yrs | 16-20yrs | 0-20yrs |
|-------------------------------|-------------|-------------|------------|-------------|-------------|
| 20 – Butterfield Barn/Coop | \$3,700 | \$1,200 | \$1,200 | \$1,200 | \$7,300 |
| 21 – Butterfield Garage | \$1,950 | \$2,700 | \$- | \$6,020 | \$10,670 |
| 22 – Butterfield Residence* | \$20,650 | \$2,800 | \$17,370 | \$37,280 | \$78,100 |
| 23 – NF Main Farmhouse | \$7,350 | \$3,400 | \$2,800 | \$16,800 | \$30,350 |
| 24 – NF Workshop | \$11,900 | \$1,300 | \$1,300 | \$12,300 | \$26,800 |
| 25 – NF Chicken Coop | \$450 | \$450 | \$450 | \$2,550 | \$3,900 |
| 26 – NF West Shed | \$2,650 | \$650 | \$650 | \$650 | \$4,600 |
| 27 – NF Creamery | \$800 | \$500 | \$400 | \$1,700 | \$3,400 |
| 28 – NF Main Barn | \$7,400 | \$1,700 | \$1,700 | \$1,700 | \$12,500 |
| 29 – NF Original Cabin | \$3,000 | \$700 | \$700 | \$5,200 | \$9,600 |
| 30 – NF Outhouse | \$425 | \$200 | \$200 | \$200 | \$1,025 |
| 31 – NF Guest Cabin | \$4,900 | \$500 | \$500 | \$500 | \$6,400 |
| 32 – NF Milking Shed | \$3,350 | \$1,100 | \$1,100 | \$1,100 | \$6,650 |
| 34 – NF East Shed | \$3,700 | \$400 | \$400 | \$400 | \$4,900 |
| 35 – NF North Boat House | \$900 | \$900 | \$900 | \$7,700 | \$10,400 |
| 36 – NF South Boat House | \$600 | \$600 | \$600 | \$5,100 | \$6,900 |
| 37 – NF Steam Shed | \$8,550 | \$500 | \$500 | \$500 | \$10,050 |
| 38 – West Saanich School | \$27,500 | \$52,060 | \$2,850 | \$11,000 | \$93,410 |
| Group Restorative Maintenance | \$49,000 | \$49,000 | | | \$98,000 |
| Total | \$158,800 | \$120,700 | \$33,620 | \$111,900 | \$425,000 |
| Total | \$26,500/yr | \$24,100/yr | \$6,700/yr | \$22,400/yr | \$20,200/yr |

^{*}Notes: Revenue property of \$14,400 in 2015 (estimated \$288,000 over next 20 years).

Figure 4 displays the maintenance and replacement expenses over the next 20 years. Years 2016, 2024 and 2034 are the largest expense years for the group. Year 2034 is the largest replacement expense year, with roofing renewals for several larger buildings due. Years 2016 and 2031 represent the largest maintenance expense years from the need to rehydrate cladding on Newman Farm buildings as well as repaint the West Saanich School exterior (15-year renewal period). Rehydrating cladding on Newman Farm was scheduled together for multiple buildings to take advantage of economies of scale. Relative to the other groups, heritage building expenses have a greater contribution occurring from maintenance. This coincides with District preferences towards maintaining these buildings indefinitely at steady state and advocating repair and stabilization over replacement of components.



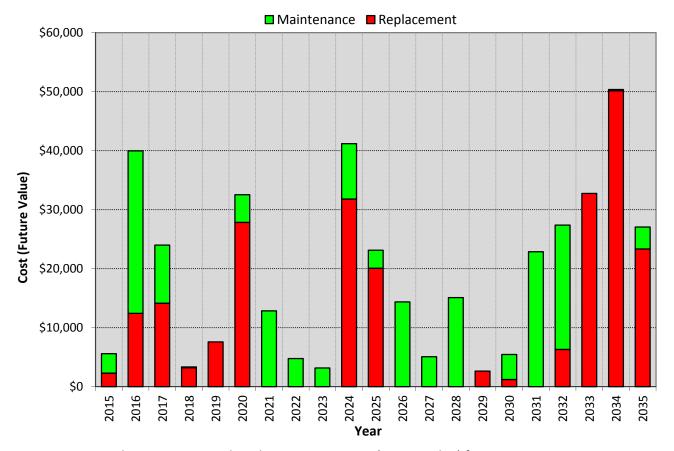


Figure 4: Projected Maintenance and Replacement Expenses (Future Value) for Heritage Group

3.5. Report 4 – External User Buildings

3.5.1. Description

External user buildings are leased by The District to clubs and associations running recreation, education and social activities. The group consists of five buildings dating from c.1894-2001. Access and building maintenance history was kindly provided by the Fire Chief, Central Saanich Lions Club, Central Saanich Lawnbowling Club and The Centre for Active Living for each of their respective buildings.

3.5.2. Financial Forecast of Report 4

The management of assets over the next twenty years for the External User group is summarized in Table 8, where the costs are combined into five-year increments. Buildings 4, 40 and 42 represent similar expenses, while buildings 41 and 43 represent the distinct high and low expenses for the group. Building 41, Centre for Active Living, represents the largest and most-trafficked building in the group. Public experience of the District's buildings is also notable which translates to a larger priority for maintenance and renewal activities for visitors more than for employees. As a result, associated maintenance and replacement costs for the Centre for Active Living represent 45% of the total group expenses over the next twenty years.

Table 8: Summary of Present-Value Report 4 Building Costs every 5 years

| Building | 0-5yrs | 6-10yrs | 11-15yrs | 16-20yrs | 0-20yrs |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|
| 4 – Fire Museum | \$2,960 | \$34,880 | \$5,800 | \$24,320 | \$67,960 |
| 40 – Lions Hall | \$33,969 | \$17,962 | \$41,054 | \$2,000 | \$94,985 |
| 41 – Centre For Active Living | \$71,394 | \$68,327 | \$48,221 | \$29,599 | \$217,541 |
| 42 – Lawnbowling Clubhouse | \$35,387 | \$33,250 | \$3,150 | \$18,685 | \$90,472 |
| 43 – Lawnbowling Storage | \$3,010 | \$- | \$2,700 | \$- | \$5,710 |
| Group Restorative Maintenance | \$7,700 | \$- | \$- | \$- | \$7,700 |
| Total | \$154,420 | \$154,420 | \$100,900 | \$74,600 | \$484,400 |
| iotai | \$25,700/yr | \$30,900/yr | \$20,200/yr | \$14,900/yr | \$23,000/yr |

Figure 5 displays the expenses for Building Group 4, maintenance and replacement, over the next 20 years. Years 2021 and 2025 represent the largest years for replacement expenses primarily resulting from respective renewal of several system components at the Fire Museum, and electrical equipment at the Lawnbowling Club buildings. Year 2021 also represents the largest maintenance expense of any year which arises from maintenance of wood and parquet floor finishes at the Centre for Active Living.

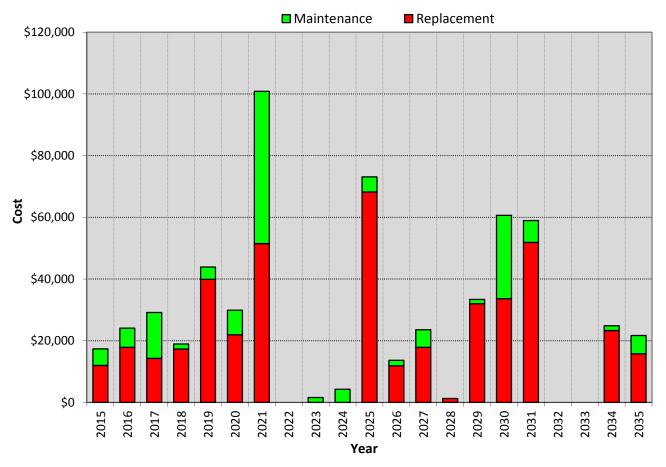


Figure 5: Projected Maintenance and Replacement Expenses (Future Value) for External User Group

June 11, 2015

APPENDIX I 20-YEAR OVERALL PLAN

Central Saanich Summary



| Component Name | Task | | | | | | | | | | | Cost | | | | | | | | | | |
|---|--------------------------|---------|---------|----------|--------|--------------|---------|--------|---------------------------|--------|-------------------------|---------------------------|--------|-------------------------|--------------------------|--------|---------------------------|-------------------------|---------------------------|--|---|---------------------------|
| • | | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| R1-Municipal Services | 8 | | | | | | | | | | | | | | | | | | | | | |
| No.1 Municipal Hall | Maintenance | 9.700 | 23,300 | 12,700 | 9,900 | 9,400 | 10,200 | 9,700 | 19,350 | 10,000 | 23,600 | 9,400 | 9,000 | 13,000 | 9,600 | 9,400 | 9,300 | 9,400 | 26,600 | 10,300 | 9,000 | 10,600 |
| | Replacement | -, | 65,185 | 101,600 | 300 | 3,400 | 102,770 | 52,480 | 28,300 | 11,000 | 2,500 | 72,020 | 42,155 | 25,500 | 38,620 | -, | 115,940 | 9,900 | 7,500 | 3,500 | 3,400 | 77,620 |
| No.5 Fire Station #1 | Maintenance | 3,950 | 5,450 | 3,950 | 6,450 | 5,950 | 3,450 | 3,950 | 6,250 | 6,950 | 9,850 | 5,950 | 3,450 | 3,950 | 8,450 | 5,150 | 4,250 | 5,950 | 3,450 | 6,950 | 11,850 | 3,950 |
| | Replacement | | | | | | | | | 150 | | | | | 39,495 | - | | | | 107,450 | 17,550 | |
| No.6 PW Main Complex | Maintenance | 7,000 | 2,500 | 3,400 | 2,500 | 3,400 | 4,500 | 3,400 | 2,500 | 3,400 | 6,000 | 5,400 | 2,500 | 3,400 | 2,500 | 3,400 | 4,500 | 3,400 | 2,500 | 3,400 | 2,500 | 5,400 |
| • | Replacement | 5,000 | 3,880 | 85,000 | 21,730 | | 89,560 | | 6,600 | 18,600 | | 16,100 | 500 | | 19,750 | | 47,080 | 19,300 | | 19,300 | | 24,300 |
| No.7 PW E. Bays, Roads & | Maintenance | 600 | | 2,000 | 5,800 | | 600 | | 2,000 | | | 600 | | 2,000 | | | 600 | | 2,000 | 5,800 | | 600 |
| Parks | Replacement | | | 3,110 | 3,460 | 2,500 | 3,000 | | | | | 2,800 | | | | | 100 | | | | 22,600 | 25,600 |
| No.8 PW Wood Shop | Maintenance | | | | | | | | 250 | | | | | | | | | | | | 250 | |
| | Replacement | | | 2,940 | | | 2,520 | | | | | 200 | | | | | | | | | | 1,200 |
| No.45 PW Equpment Shed | Maintenance | | | | | | 350 | | | | | | | | | | | | | | | |
| | Replacement | | | | | | 1,800 | | | | | | | | | | | | | | | |
| No.46 PW Equip. & | Maintenance | | | 1,100 | | | | | | | | | | | | | | | 1,100 | | | <u> </u> |
| Supplies Shed | Replacement | | | 550 | | | | | | | | | | | | | | | 1,180 | | | |
| No.47 PW Water-Sewer | Maintenance | | | | | | | | | | | 800 | 1 | | | | | | | | ļ | |
| Equip Shed | Replacement | | | ļ | | | | | | | | 10,000 | | 1 | | | | | | | ' | |
| No.48 PW Salt Shed | Maintenance | | | ļ | | ļ | | | | | | | 1 | 1,100 | | | | _ | 1 | | | |
| N 00 11 10 | Replacement | | | | | | | | 0.51 | . = | | | | 17,000 | | | | | | | | |
| No.9 Cultural Centre | Maintenance | 800 | 800 | 9,120 | 1,700 | 800 | 800 | 800 | 3,300 | 1,700 | 800 | 6,620 | 800 | 3,300 | 1,700 | 800 | 800 | 800 | 3,300 | 7,520 | 800 | 800 |
| | Replacement | 3,570 | 24.222 | 04.000 | 12,000 | 1,000 | 62,050 | | | | 22,000 | 24,500 | | | 20,250 | | 38,800 | | 24,000 | 35,140 | | |
| Restorative Maintenance | | | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | | | | | | _ | | | | | | | | | |
| Report Summary | Maintenance | 22,050 | 32,050 | 32,270 | 26,350 | 19,550 | 19,900 | 17,850 | 33,650 | 22,050 | 40,250 | 28,770 | 15,750 | 26,750 | 22,250 | 18,750 | 19,450 | 19,550 | 38,950 | 33,970 | 24,400 | 21,350 |
| Present Value | Replacement | 8,570 | 69,065 | 193,200 | 37,490 | 6,900 | 261,700 | 52,480 | 34,900 | 29,750 | 24,500 | 125,620 | 42,655 | 42,500 | 118,115 | | 201,920 | 29,200 | 32,680 | 165,390 | 43,550 | 128,720 |
| | Yearly Totals | 30,620 | 122,115 | 246,470 | 84,840 | 47,450 | 302,600 | 70,330 | 68,550 | 51,800 | 64,750 | 154,390 | 58,405 | 69,250 | 140,365 | 18,750 | 221,370 | 48,750 | 71,630 | 199,360 | 67,950 | 150,070 |
| R1-Reference Only | | | | | | | | | | | | | | | | | | | | | | |
| No.49 PW Enviro | Maintenance | | | | | | | | | l | | | | | | | | | | | ı — — — — — — — — — — — — — — — — — — — | 1 |
| Compliance | Replacement | 120,000 | 50,000 | 190,000 | 50,000 | 60,000 | | | | | | | | | | | | | | | | |
| R2-Parks and Recreat | | 120,000 | 30,000 | 190,000 | 30,000 | 00,000 | | | | | | | | | | | | | | | | |
| No.10 Rom Knott Park | Maintenance | 1,000 | | 1 | | T T | 1,000 | 1 | 1.000 | | 600 | 1,000 | т — | T | | | 1,000 | T T | 1,000 | | $\overline{}$ | 1,000 |
| Concession | Replacement | 14,985 | | | | | 1,000 | | 1,000 | | 4,210 | 1,450 | + | | | | 1,000 | | 1,000 | + | 1,600 | 14,615 |
| No.11 Verdier Park | Maintenance | 14,900 | | 1.000 | | | | | 1,000 | 500 | 4,210 | 1,400 | | 1,400 | | | | 500 | 1,000 | + | 1,000 | 14,013 |
| Washrooms | Replacement | | | 600 | | | | | 1,200 | 300 | | | | 600 | | | | 300 | 2,640 | | | |
| No.12 CP Fieldhouse | Maintenance | 2,650 | | 2,875 | 3,000 | | 1,000 | | 1,200 | | | 2,650 | 3,000 | 000 | | | 1,000 | | 1,200 | + | 3,000 | 2,650 |
| No. 12 Of Ticianouse | Replacement | 6,295 | | 41,180 | 0,000 | | 2,100 | | 10,260 | | | 6,500 | 0,000 | 400 | | | 2,100 | | 28,270 | 39,100 | 0,000 | 6,295 |
| No.13 CP Diamond #1 | Maintenance | 0,200 | | 11,100 | | 200 | 300 | | 10,200 | | 200 | 0,000 | + | 100 | | 200 | 300 | | 20,270 | 00,100 | 200 | 0,200 |
| Utility | Replacement | 1,200 | | | | 200 | 000 | | | | 200 | | | | | 200 | 000 | | | | | <u> </u> |
| No.14 CP Diamond #1 | Maintenance | 600 | | | | | 100 | | | | | 600 | | | | | 100 | | | | | 600 |
| | Replacement | | | | | | | | | | | | | | | | 700 | | | | | |
| No.15 CP Diamond #2 | Maintenance | | | | | | 600 | | | | | | | | | | 600 | | | | 1 | 1 |
| | Replacement | | | | | | 1,680 | | | | | | | | | | 900 | | | | | |
| No.16 CP Diamond #5 | Maintenance | 1,000 | | | | | 1,880 | 3,100 | | | | 1,000 | | | | | 1,000 | 3,100 | | | | 1,000 |
| | Replacement | 1,260 | 2,700 | 1,000 | 5,200 | | 3,890 | | | | | | | 1,000 | | | 440 | 1,500 | | | | 1,260 |
| No.17 CP Diamond #6 | Maintenance | 1,000 | | 3,120 | | | 1,000 | | | | | 1,000 | | 3,120 | | | 2,400 | | | | | 1,000 |
| | Replacement | 4,330 | | | 3,700 | | 7,930 | | | | | 400 | | 1,500 | 1,000 | | 6,320 | | | | | 4,330 |
| No.18 CP Lacrosse | Maintenance | 1,100 | | | | | | | | 1,100 | | | | | | | | 1,100 | | | | |
| Storage | Replacement | | | | | | | | | | | 6,000 | | | | | | | | | | |
| No.19 CP Residence | Maintenance | 1,200 | 1,690 | 200 | | 200 | 3,375 | 200 | | 200 | 400 | 1,200 | | 200 | | 200 | 1,000 | 200 | 1,690 | 200 | | 1,200 |
| | Replacement | | 3,060 | | | | 3,590 | | 1,000 | | | 3,985 | | | 5,600 | | 14,980 | | 1,000 | | 2,400 | 2,770 |
| No.44 CP Garage | Maintenance | | 1,000 | | 1,750 | | | 1,000 | | | | | 2,850 | | | | | 1,000 | | | 1,350 | |
| l | Replacement | 2,300 | | | | | 450 | | | | | | | | | | | | | | 5,700 | 450 |
| | Maintenance | 1,000 | | | 6,450 | | 1,000 | | | | | 1,000 | | | 6,450 | | 1,000 | | | | <u> </u> | 1,000 |
| | | | | | | 1 | Ī | | | | | 1,000 | | | | | | | |] | 10,700 | 1,250 |
| Storage | Replacement | 1,250 | | | | | | ł | | | • | | | | | | | | | _ | | |
| Storage Restorative Maintenance | Replacement | | 3,298 | 3,298 | 3,298 | 3,298 | 3,298 | | | | | _ | | | | | | | | | | |
| Storage Restorative Maintenance Report Summary | Replacement Maintenance | 9,550 | 2,690 | 7,195 | 11,200 | 3,298 400 | 10,255 | 4,300 | 2,000 | 1,800 | 1,200 | 8,450 | 5,850 | 4,720 | 6,450 | 400 | 8,400 | 5,900 | 4,890 | 200 | 4,550 | 8,450 |
| No.39 CP Shelter#2 & Storage Restorative Maintenance Report Summary Present Value | Replacement | | | <u> </u> | | | | 4,300 | 2,000 12,460 14,460 | 1,800 | 1,200 4,210 5,410 | 8,450 19,335 27,785 | 5,850 | 4,720 3,500 8,220 | 6,450 6,600 13,050 | 400 | 8,400 25,440 33,840 | 5,900 1,500 7,400 | 4,890 31,910 36,800 | 200 39,100 39,300 | 4,550 20,400 24,950 | 8,450 30,970 39,420 |

Central Saanich Summary



| Component Name | Task | | J | | | | | | | | | Cost | | | | | | | | | LLVL | ELION |
|--------------------------------|----------------------------|--------------|----------------------|--------------------------|-------------------------|--------|-----------------------------|-----------|----------|----------|-----------|-----------------------------------|----------|----------|-----------|----------|-----------------------------------|-----------|----------|-----------|--|--------------|
| Component Name | Tusk | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| R3-Heritage | | | | | | | | | | | | | | | | | | | | | | |
| No.20 Butterfield Barn- | Maintenance | | 1,200 | | | | | 1,200 | | | | | 1,200 | | | | | 1,200 | | | | |
| Соор | Replacement | | | | | | 2,500 | | | | | | | | | | | | | | | |
| No.21 Butterfield Garage | Maintenance | 4 | | | | | 1,100 | | | 2,700 | | | | | | | | | | | | |
| | Replacement | | 150 | | 4=0 | | 850 | | 4=0 | | 1=0 | | 1.50 | | 44.0=0 | | | 0.050 | 1-0 | | 6,020 | |
| No.22 Butterfield | Maintenance | 2,500 | 150 | 3,300 | 150 | | 2,650 | | 150 | | 150 | 2,500 | 150 | | 11,670 | | 2,650 | 3,250 | 3,450 | | 150 | 2,500 |
| Residence | Replacement | | | | | 7,000 | 4,900 | | | | | | | | | 2,000 | 900 | 4.000 | | 22,930 | 2,000 | 3,000 |
| No.23 NF Main Farmhouse | | 1 | 5,550 | | | | | 2,800 | | | 000 | | 2,800 | 1 | | | | 4,800 | 1 | | 10.000 | + |
| N. CANEWALL | Replacement | 1 | 1,800 | | | | | 4.000 | | | 600 | | 4.000 | 1 | | | | 4.000 | 1 | | 12,000 | + |
| No.24 NF Workshop | Maintenance | 1 | 2,900 | 5.000 | | 1 | 4.500 | 1,300 | | | | | 1,300 | + | | | | 1,300 | + | | 11.000 | + |
| N. OF NEOLY I | Replacement | 1 | 2,500 | 5,000 | | | 1,500 | 450 | | ļ | | | 450 | <u> </u> | | | | 450 | <u> </u> | ļ | 11,000 | + |
| No.25 NF Chicken Coop | Maintenance | | 450 | | | | | 450 | | | | | 450 | | | | | 450 | | | 0.400 | |
| No OC NE Wood Chad | Replacement | + | 050 | | | | | 050 | | | | | 050 | | | | | 050 | | | 2,100 | + |
| No.26 NF West Shed | Maintenance | 1 | 650 | | | | | 650 | | | | | 650 | + | | | | 650 | | | | + |
| No.27 NF Creamery | Replacement | | 400 | | | | | 400 | | | 100 | | 400 | <u> </u> | | | | 400 | <u> </u> | | | + |
| No.27 NF Creamery | Maintenance | | 400 400 | | | | | 400 | | | 100 | | 400 | - | | | | 400 | _ | | 1 200 | + |
| No.28 NF Main Barn | Replacement | + | 1,700 | | | | | 1,700 | | | | | 1 700 | - | | | | 1,700 | | | 1,300 | + |
| NO.28 NF Main Barn | Maintenance | | 4,500 | | 1,200 | | | 1,700 | | | | | 1,700 | | | | | 1,700 | | | | + |
| No.29 NF Original Cabin | Replacement Maintenance | + | 700 | | 1,200 | | | 700 | | <u> </u> | | | 700 | + | | | | 700 | + | - | | + |
| No.29 NF Original Cabin | Replacement | 1 | 500 | | 1,800 | | | 700 | | | | | 700 | + | | | | 700 | 4,500 | | | + |
| No.30 NF Outhouse | Maintenance | 1 | 200 | | 1,800 | | | 200 | | | | | 200 | 1 | | | | 200 | 4,500 | | $\overline{}$ | + |
| No.30 Ni Odinodse | Replacement | | 225 | | | | | 200 | | | | | 200 | + | | | | 200 | + | | \vdash | + |
| No.31 NF Guest Cabin | Maintenance | 1 | 223 | 900 | | | | | 500 | | | | | 500 | | | | | 500 | | $\overline{}$ | + |
| No.51 NF Guest Cabiii | Replacement | | | 4,000 | | | | | 300 | | | | | 300 | | | | | 300 | | | + |
| No.32 NF Milking Shed | Maintenance | + | | 2,850 | | | | | 1,100 | | | | | 1,100 | | | | | 1,100 | | | + |
| No.32 Ni Wilking Shed | Replacement | 1 | | 500 | | | | | 1,100 | | | | | 1,100 | | | | | 1,100 | | | + |
| No.34 NF Boatbuilding | Maintenance | + | | 400 | | | | | 400 | | | | | 400 | | | | | 400 | | \vdash | + |
| Storage | Replacement | | | 1,800 | | | 1,500 | | 400 | | | | | +00 | | | | | +00 | | — | + |
| No.35 NF North Boat | Maintenance | | | 900 | | | 1,000 | | 900 | | | | | 900 | | | | | 900 | | \vdash | + |
| House | Replacement | | | - 555 | | | | | 300 | | | | | 1 300 | | | | | 1 300 | | | 6,800 |
| No.36 NF South Boat | Maintenance | | | 600 | | | | | 600 | | | | | 600 | | | | | 600 | | | 0,000 |
| House | Replacement | | | 000 | | | | | 000 | | | | | | | | | | | | | 4,500 |
| No.37 NF Steam Shed | Maintenance | 1 | 3,500 | 500 | | † | | | 500 | | | | | 500 | | | | | 500 | | | .,000 |
| | Replacement | | 2,250 | 2,300 | | | | | | | | | | | | | | | | | | 1 |
| No.38 West Saanich | Maintenance | 800 | 9,600 | , | | | 500 | 2,000 | | | 7,600 | | 2,000 | | | | 500 | 2,000 | 7,600 | | | † |
| School | Replacement | 2,290 | , | | | | 13,960 | , | | | 26,000 | 16,460 | , | | | | | <i>'</i> | , | | | 1,400 |
| Restorative Maintenance | | ĺ | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | | | | | | | | | | |
| Report Summary | Maintenance | 3,300 | 27,000 | 9,450 | 150 | - , - | 4,250 | 11,400 | 4,150 | 2,700 | 7,850 | 2,500 | 11,550 | 4,000 | 11,670 | | 3,150 | 16,650 | 15,050 | | 150 | 2,500 |
| Present Value | Replacement | 2,290 | 12,175 | 13,600 | 3,000 | 7,000 | 25,210 | , | , | Í | 26,600 | 16,460 | , | ĺ | | 2,000 | 900 | | 4,500 | 22,930 | 34,420 | 15,700 |
| | Yearly Totals | 5,590 | 48,989 | 32,864 | 12,964 | 16,814 | 39,274 | 21,214 | 13,964 | 12,514 | 44,264 | 28,774 | 11,550 | 4,000 | 11,670 | 2,000 | 4,050 | 16,650 | 19,550 | 22,930 | 34,570 | 18,200 |
| R4-External Users | | | | | | | | | | | | | | | | | | | | | | |
| No.4 Fire Museum | Maintenance | 1,360 | 1,600 | | | | | 7,520 | | 1,360 | | | 1,300 | | | | | 2,660 | | | | |
| | Replacement | | | | | | | 26,000 | | | | | 4,500 | | | | | 21,660 | | | | |
| No.40 Lions Hall | Maintenance | 2,000 | | 4,328 | | 1,085 | 2,000 | | | | | 2,000 | | 4,499 | | | 17,196 | | | | | 2,000 |
| | Replacement | | | 9,500 | 1,000 | 8,000 | 6,055 | | | | | 15,962 | | | 1,000 | | 18,360 | | | | | |
| No.41 Centre For Active | Maintenance | | | 8,428 | | 1,060 | 900 | 36,285 | | | 3,564 | | | | | 1,060 | 900 | 2,504 | | | 1,060 | |
| Living | Replacement | 2,000 | 5,035 | 4,225 | 15,300 | 27,447 | 7,000 | 3,563 | | | | 24,915 | 5,035 | 14,080 | | 24,247 | 2,900 | 3,035 | | | 16,000 | 7,000 |
| No.42 Lawnbowling | Maintenance | 2,000 | 2,949 | | | | 2,000 | | | | | 2,000 | 150 | | | | 2,000 | | | | | 2,000 |
| Clubhouse | Replacement | 10,000 | 12,471 | | | 1,418 | 4,550 | 16,160 | | | | 15,090 | | | | | 1,000 | 13,085 | | | <u> </u> | 3,600 |
| No.43 Lawnbowling | Maintenance | | | | | | 770 | | | | | | | | | | | | | | | |
| Storage | Replacement | | | | | | 2,240 | | | | | | | | | | 2,700 | | | | <u> </u> | |
| Restorative Maintenance | | | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | | | | | | | | | | | | | | <u> </u> | |
| Report Summary | Maintenance | 5,360 | 4,549 | 12,756 | | 2,145 | 5,670 | 43,805 | | 1,360 | 3,564 | 4,000 | 1,450 | 4,499 | | 1,060 | 20,096 | 5,164 | | | 1,060 | 4,000 |
| Present Value | Replacement | 12,000 | 17,505 | 13,725 | 16,300 | 36,864 | 19,845 | 45,723 | | | | 55,967 | 9,535 | 14,080 | 1,000 | 24,247 | 24,960 | 37,780 | | | 16,000 | 10,600 |
| | Yearly Totals | 17,360 | 23,594 | 28,021 | 17,840 | 40,550 | 27,055 | 89,527 | | 1,360 | 3,564 | 59,967 | 10,985 | 18,579 | 1,000 | 25,307 | 45,056 | 42,944 | | | 17,060 | 14,600 |
| Total Drag and Mai | | | | | | | | | | | | , , , | | | | | | | | | | |
| Total Present Value | Maintenance | 40,260 | 66,289 | 61,671 | 37,700 | 22,095 | 40,075 | 77,355 | 39,800 | 27,910 | 52,864 | 43,720 | 34,600 | 39,969 | 40,370 | 20,210 | 51,096 | 47,264 | 58,890 | 34,170 | 30,160 | 36,300 |
| T | Replacement | 54,480 | 104,505 | 263,305 | 65,690 | 50,764 | 326,395 | 98,203 | 47,360 | 29,750 | 55,310 | 217,382 | 52,190 | 60,080 | 125,715 | 26,247 | 253,220 | 68,480 | 69,090 | 227,420 | 114,370 | 185,990 |
| Expenses | | 40 000 | 07.045 | 64 460 | 40,008 | 23,917 | 44,246 | 87,114 | 45,718 | 32,701 | 63,177 | 53,294 | 43,021 | 50,690 | 52,223 | 26,667 | 68,768 | 64,883 | 82,460 | 48,803 | 43,937 | 53,940 |
| Total Future Value | Maintenance | 40,260 | 67,615 | 64,163 | | | | | | | | | | | | | | | | | | |
| Total Future Value Expenses | Maintenance Replacement | 54,480 | 106,595 | 273,943 | 69,711 | 54,949 | 360,366 | 110,592 | 54,402 | 34,857 | 66,101 | 264,987 | 64,891 | 76,196 | 162,626 | 34,632 | 340,801 | 94,008 | 96,743 | 324,812 | 166,615 | 276,371 |
| Total Future Value | Replacement | | 106,595 \$206,447 | 273,943 \$360,629 | 69,711 \$139,042 | | 360,366 \$402,122 | \$185,371 | \$96,974 | \$67,474 | \$117,988 | 264,987 \$270,916 \$330,245 | \$86,790 | | \$166,085 | \$46,457 | 340,801 \$304,316 \$409,569 | \$115,744 | | \$261,590 | \$144,530 | \$222,290 |

APPENDIX II 20-YEAR GROUP PLANS

R1-Municipal Services Report 1 Forecasting Table



| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
|-----------------------|-----------------|-------|--------|---------|--------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|--------|--------|---------|--------|--------|
| No.1 Municipal Hall | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | 48,100 | | | 37,300 | | 20,800 | | | | | | | | | | | | | |
| Building Envelope | Maintenance | 1,100 | 15,400 | 1,100 | 1,100 | 1,100 | 2,300 | 1,100 | 8,150 | 1,100 | 15,400 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 | 15,400 | 1,100 | 1,100 | 2,300 |
| Summary | Replacement | | | 46,000 | | 3,400 | | | | | | 64,120 | | 2,000 | | | 64,120 | | | | 3,400 | 64,120 |
| Mechanical | Maintenance | 8,100 | 7,400 | 11,100 | 8,300 | 7,800 | 7,400 | 8,100 | 10,700 | 8,400 | 7,700 | 7,800 | 7,400 | 11,400 | 8,000 | 7,800 | 7,700 | 7,800 | 10,700 | 8,700 | 7,400 | 7,800 |
| Summary | Replacement | | | 7,500 | | | 31,000 | 6,000 | 7,500 | 11,000 | 2,500 | 7,900 | | 7,500 | | | 42,000 | 6,500 | 7,500 | 3,500 | | |
| Electrical | Maintenance | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| Summary | Replacement | | 65,185 | | 300 | | 34,470 | 46,480 | | | | | 42,155 | 16,000 | 38,620 | | 9,820 | 3,400 | | | | 13,500 |
| Miscellaneous | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | 9,700 | 23,300 | 12,700 | 9,900 | 9,400 | 10,200 | 9,700 | 19,350 | 10,000 | 23,600 | 9,400 | 9,000 | 13,000 | 9,600 | 9,400 | 9,300 | 9,400 | 26,600 | 10,300 | 9,000 | 10,600 |
| | Replacement | | 65,185 | 101,600 | 300 | 3,400 | 102,770 | 52,480 | 28,300 | 11,000 | 2,500 | 72,020 | 42,155 | 25,500 | 38,620 | | 115,940 | 9,900 | 7,500 | 3,500 | 3,400 | 77,620 |
| No.5 Fire Station #1 | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | 17,550 | |
| Building Envelope | Maintenance | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,800 | 2,000 | 8,400 | 2,000 | 2,000 | 2,000 | 2,000 | 3,200 | 2,800 | 2,000 | 2,000 | 2,000 | 8,400 | 2,000 |
| Summary | Replacement | | | - | | | | | | | | - | | | | | - | - | | | | |
| Mechanical | Maintenance | 1,700 | 3,200 | 1,700 | 4,200 | 3,700 | 1,200 | 1,700 | 3,200 | 4,700 | 1,200 | 3,700 | 1,200 | 1,700 | 6,200 | 1,700 | 1,200 | 3,700 | 1,200 | 4,700 | 3,200 | 1,700 |
| Summary | Replacement | | | - | | | | | | | | - | | | 20,400 | | | - | | 21,650 | | |
| Electrical | Maintenance | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| Summary | Replacement | | | | | | | | | 150 | | | | | 19,095 | | | | | 85,800 | | |
| Miscellaneous | Maintenance | | | | | | | | | | | | | | · | | | | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | 3,950 | 5,450 | 3,950 | 6,450 | 5,950 | 3,450 | 3,950 | 6,250 | 6,950 | 9,850 | 5,950 | 3,450 | 3,950 | 8,450 | 5,150 | 4,250 | 5,950 | 3,450 | 6,950 | 11,850 | 3,950 |
| , | Replacement | | | | | | | | | 150 | | · | | | 39,495 | · | | | | 107,450 | 17,550 | |
| No.6 PW Main Complex | (| | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | 5,000 | | | 1,980 | | | | | | | 5,000 | | | | | | | | | | 5,000 |
| Building Envelope | Maintenance | 5,100 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 5,000 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| Summary | Replacement | | · | , | , | , | 6,600 | , | 6,600 | , | | , | | , | · | | 13,900 | 19,300 | , | 19,300 | · | 19,300 |
| Mechanical | Maintenance | 900 | | 900 | | 900 | 2,000 | 900 | | 900 | | 2,900 | | 900 | | 900 | 2,000 | 900 | | 900 | | 2,900 |
| Summary | Replacement | | 500 | | | | 8,800 | | | 9,000 | | 11,100 | 500 | | | | 9,200 | | | | | · |
| Electrical | Maintenance | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Summary | Replacement | · | 3,380 | - | 19,750 | | 9,160 | | | 9,600 | | - | | · | 19,750 | | 23,980 | - | | | · | · |
| Miscellaneous | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | 85,000 | | | 65,000 | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | 7,000 | 2,500 | 3,400 | 2,500 | 3,400 | 4,500 | 3,400 | 2,500 | 3,400 | 6,000 | 5,400 | 2,500 | 3,400 | 2,500 | 3,400 | 4,500 | 3,400 | 2,500 | 3,400 | 2,500 | 5,400 |
| | Replacement | 5,000 | 3,880 | 85,000 | 21,730 | | 89,560 | | 6,600 | 18,600 | | 16,100 | 500 | | 19,750 | | 47,080 | 19,300 | | 19,300 | | 24,300 |
| No.7 PW E. Bays, Road | s & Parks | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | 2,500 | | | | | | | | | | | | | | | | |
| Building Envelope | Maintenance | 600 | | | 5,800 | | 600 | | | | | 600 | | | | | 600 | | | 5,800 | | 600 |
| Summary | Replacement | | | | | | | | | | | 2,200 | | | | | | | | | 22,600 | 22,600 |
| Mechanical | Maintenance | | | 2,000 | | | | | 2,000 | | | • | | 2,000 | | | | | 2,000 | | · | · |
| Summary | Replacement | | | | | | | | | | | 600 | | | | | | | | | | |
| Electrical | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | 1 | 3,110 | 3,460 | | 3,000 | | | | | | 1 | | | | 100 | | | | | 3,000 |
| Building Summary | Maintenance | 600 | | 2,000 | 5,800 | | 600 | | 2,000 | | | 600 | | 2,000 | | | 600 | | 2,000 | 5,800 | | 600 |
| . <u> </u> | Replacement | | | 3,110 | 3,460 | 2,500 | 3,000 | | , | | | 2,800 | | , | | | 100 | | , | , | 22,600 | 25,600 |
| | 1.57.000.110110 | | | -, | -, | _,000 | 2,000 | | | | | _,000 | | | | | .00 | | | | ,000 | _5,556 |

R1-Municipal Services Report 1 Forecasting Table



| Report in | rccastii | ig rac | | | | | | | | | | | | | | | | | | | LEVE | LTON |
|----------------------------|----------------|-----------|----------------------|-----------|---------------------|------------|----------------------|----------------------|---------------------|----------------|-----------------------|-------------------------|--|----------|-----------|-----------------------|-----------------------|---------------------|----------|-----------------------|----------|--------------|
| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| No.8 PW Wood Shop | | | | | | | | | - | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | I | | I | I | T T | T T | I | | | <u> </u> | I | | | | T T | ı | | | |
| | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope | Maintenance | | | | | | | | 250 | | | | | | | | | | | | 250 | 1 |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Mechanical | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | 1,200 | | | | | 200 | | | | | | | | | | 1,200 |
| Electrical | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | 2,940 | | | 1,320 | | | | | | | | | | | | | | | 1 |
| Building Summary | Maintenance | | | , | | | , | | 250 | | | | | | | | | | | | 250 | |
| zamanig Cammany | Replacement | | | 2,940 | | | 2,520 | | | | | 200 | | | | | | | | | | 1,200 |
| No.45 PW Equpment Sh | | | | 2,010 | | | 2,020 | | | | | 200 | _ | | | | | | | | | 1,200 |
| Building Envelope | Maintenance | | | 1 | | I | 350 | Г | T | l | | | Т | 1 | | | | | | | | |
| • | | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | 1,800 | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | | | | | | 350 | | | | | | | | | | | | | | | |
| | Replacement | | | | | | 1,800 | | | | | | | | | | | | | | | |
| No.46 PW Equip. & Sup | | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope | Maintenance | | | 1,100 | | | | | | | | | | | | | | | 1,100 | | | 4 |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Electrical | Maintenance | | | | | | | | | | | | | | | | | | | | | 1 |
| Summary | Replacement | | | 550 | | | | | | | | | | | | | | | 1,180 | | | 1 |
| Building Summary | Maintenance | | | 1,100 | | | | | | | | | | | | | | | 1,100 | | | |
| | Replacement | | | 550 | | | | | | | | | | | | | | | 1,180 | | | |
| No.47 PW Water-Sewer | | | | 000 | | | | | | | | | | | | | | | 1,100 | | | |
| Building Envelope | Maintenance | | | ı | | Ι | T T | | T | | | 800 | Т | T I | | | | Г | ı | | | |
| - · | | | | | | | | + | | | | 10,000 | | | | | | | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | | | | | | | | | | | 800 | | | | | | | | | | |
| | Replacement | | | | | | | | | | | 10,000 | | | | | | | | | | |
| No.48 PW Salt Shed | | | | T | | 1 | 1 | | 1 | ı | | | <u>. </u> | | | | | _ | 1 | | | |
| Building Envelope | Maintenance | | | | | | | | | | | | | 1,100 | | | | | | | | |
| Summary | Replacement | | | | | | | | | | | | | 17,000 | | | | | | | | |
| Building Summary | Maintenance | | | | | | | | | | | | | 1,100 | | | | | | | | |
| | Replacement | | | | | | | | | | | | | 17,000 | | | | | | | | |
| No.9 Cultural Centre | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | 12,000 | | 11,880 | | | | | | | | 20,250 | | 11,880 | | | | | 1 |
| Building Envelope | Maintenance | 550 | 550 | 6,370 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 6,370 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 6,370 | 550 | 550 |
| Summary | Replacement | 3,570 | 000 | 0,070 | 000 | 000 | 000 | 000 | 000 | 000 | 22,000 | 0,070 | - 000 | 000 | 000 | 000 | 000 | 000 | 000 | 35,140 | 000 | |
| Mechanical | Maintenance | 3,370 | | 2,500 | 900 | | | | 2,500 | 900 | 22,000 | | | 2,500 | 900 | | | | 2,500 | 900 | | |
| | | + | | 2,300 | 900 | 1,000 | | | 2,300 | 900 | | 9,650 | + | 2,300 | 900 | | 4,450 | | 24,000 | 900 | | 1 |
| Summary Electrical | Replacement | 050 | 050 | 050 | 050 | | 050 | 050 | 050 | 050 | 050 | | 050 | 050 | 050 | 050 | | 050 | | 050 | 050 | 050 |
| | Maintenance | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| Summary | Replacement | 225 | 000 | 0.10- | 4 = 2 - | 225 | 50,170 | 200 | 0.00= | 4 = 6 = | 226 | 14,850 | 222 | 0.00 | 4 = 0 = | 000 | 22,470 | 225 | 0.000 | 7 -0- | | 202 |
| Building Summary | Maintenance | 800 | 800 | 9,120 | 1,700 | 800 | 800 | 800 | 3,300 | 1,700 | 800 | 6,620 | 800 | 3,300 | 1,700 | 800 | 800 | 800 | 3,300 | 7,520 | 800 | 800 |
| | Replacement | 3,570 | | | 12,000 | 1,000 | 62,050 | | | | 22,000 | 24,500 | | | 20,250 | | 38,800 | | 24,000 | 35,140 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Restorative Maintenance | | | 21,000 | 21,000 | 21,000 | 21,000 | 21,000 | | | | | | | | | | | | | | | <u> </u> |
| | | | | | | | | | | | | | | | | | | | | | | |
| Report Summary | Maintenance | 22,050 | 32,050 | 32,270 | 26,350 | 19,550 | 19,900 | 17,850 | 33,650 | 22,050 | 40,250 | 28,770 | 15,750 | 26,750 | 22,250 | 18,750 | 19,450 | 19,550 | 38,950 | 33,970 | 24,400 | 21,350 |
| Present | Replacement | 8,570 | 69,065 | 193,200 | 37,490 | 6,900 | 261,700 | 52,480 | 34,900 | 29,750 | 24,500 | 125,620 | 42,655 | 42,500 | 118,115 | | 201,920 | 29,200 | 32,680 | 165,390 | 43,550 | 128,720 |
| Report Summary | Maintenance | 22,050 | 32,691 | 33,574 | 27,963 | 21,162 | 21,971 | 20,102 | 38,653 | 25,835 | 48,102 | 35,070 | 19,583 | 33,925 | 28,783 | 24,740 | 26,177 | 26,838 | 54,539 | 48,518 | 35,546 | 31,725 |
| Inflated | Replacement | 8,570 | 70,446 | 201,005 | 39,785 | 7,469 | 288,938 | 59,101 | 40,089 | 34,857 | 29,280 | 153,130 | 53,036 | 53,900 | 152,794 | ,. 10 | 271,758 | 40,085 | 45,760 | 236,218 | 63,444 | 191,271 |
| Yearly Totals | . top.accinont | \$30,620 | \$122,115 | \$246,470 | \$84,840 | \$47,450 | | | \$68,550 | | | \$154,390 | | | \$140,365 | \$18,750 | \$221,370 | \$48,750 | | \$199,360 | \$67,950 | \$150,070 |
| Totals Inflated at 2% per | Vear | \$30,620 | \$124,557 | | \$90,033 | \$51,361 | | | \$78,742 | | | \$188,201 | | | \$181,577 | | \$297,935 | | | \$284,735 | \$98,990 | \$222,996 |
| rotais iriliateu at 2% per | Teal | - ψ30,020 | Ψ124, 337 | Ψ230,427 | Ψου,υ οο | - ψυ 1,501 | Ψυυπ,υυ υ | Ψτ 3,20 3 | Ψτο,τ4 Ζ | $-\psi 00,092$ | - ψ11,30 2 | - \$100,20 1 | Ψ12,019 | ψοι, σΖο | Ψ101,311 | - Ψ24,74 0 | - ψ231,333 | ΨΟ Ο,3Ζ3 | Ψ100,299 | -ψ204,1 33 | Ψ30,330 | ΨΖΖΖ,990 |
| DEEEDENGE ON V | | | | | | | | | | | | | | | | | | | | | | |
| REFERENCE ONLY | | | | | | | | | | | | | | | | | | | | | | |
| No.49 PW Enviro Comp | | | | | | | | | | 1 | | | _ | | | | | | | | | |
| Miscellaneous | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | 120,000 | 50,000 | 190,000 | 50,000 | 60,000 | | | | | | | | | | | | <u> </u> | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

R2-Parks and Recreation Report 2 Forecasting Table



| | - | <u></u> | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|---------|------|--------|-------|------|-------|------|--------|------|-------|-------|-------|-------|------|------|-------|------|--|--|-----------|----------|
| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| No.10 Rom Knott Parl | Concession | 1 | | | 1 | | | 1 | | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | 1 | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | 1,600 | |
| Building Envelope | Maintenance | | | | | | | | 1,000 | | 600 | | | | | | | | 1,000 | | 1 | |
| Summary | Replacement | 8,220 | | | | | | | | | 1,100 | | | | | | | | | | <u> </u> | 8,220 |
| Mechanical Summary | Maintenance | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | ļ | 1,000 |
| | Replacement | 2,200 | | | | | | | | | | 1,450 | | | | | | | | | ļ | 2,200 |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | <u> </u> | ' | |
| | Replacement | 4,565 | | | | | | | | | 3,110 | | | | | | | | | <u> </u> | ļ | 4,195 |
| Miscellaneous Summary | Maintenance | | | | | | | 1 | | | | | | | | | | | 1 | <u> </u> | ' | |
| | Replacement | | | | | | | | | | | | | | | | | | | <u> </u> | L | |
| Building Summary Present Value | Maintenance | 1,000 | | | | | 1,000 | | 1,000 | | 600 | 1,000 | | | | | 1,000 | | 1,000 | | | 1,000 |
| | Replacement | 14,985 | | | | | | | | | 4,210 | 1,450 | | | | | | | | | 1,600 | 14,615 |
| No.11 Verdier Park W | | | | 1 | | 1 | 1 | 1 | 1 | 1 | ı | | | 1 | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | _ | | | | | | | <u> </u> | ' | |
| Summary | Replacement | | | 600 | | | | | 600 | | | | | 600 | | | | | 600 | <u> </u> | ' | <u> </u> |
| Building Envelope | Maintenance | | | | | | | | | 500 | | | | 400 | | | | 500 | <u> </u> | <u> </u> | ' | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | <u> </u> | ' | |
| Mechanical Summary | Maintenance | | | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | | 1,000 | <u> </u> | ' | |
| FI | Replacement | | | | | | | | 450 | | | | | | | | | | 450 | ' | ' | |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | <u> </u> | <u> </u> | |
| 1.6 | Replacement | | | | | | | | 150 | | | | | | | | | | 1,590 | ' | <u> </u> | |
| Miscellaneous Summary | Maintenance | | | | - | | | 1 | | | | | - | | | | | | | ' | <u> </u> | |
| D. T.F O | Replacement | | | 4 000 | | | | | 4.000 | 500 | | | | 4 400 | | | | 500 | 4.000 | + | | |
| Building Summary Present Value | Maintenance | | | 1,000 | | | | | 1,000 | 500 | | | | 1,400 | | | | 500 | 1,000 | | | |
| | Replacement | | | 600 | | | | | 1,200 | | | | | 600 | | | | | 2,640 | - | | |
| No.12 CP Fieldhouse Interior Finishes | Maintanana | | ı | T | 1 | l | 1 | 1 | T | l | 1 | | 1 | T | | | | T | - | - | | |
| Summary | Maintenance Replacement | | | | + | | 2,100 | + | 3,460 | | | | | | | | 2,100 | | + | <u> </u> | <u> </u> | 1 |
| Building Envelope | • | 1,500 | | 2,875 | 3,000 | | 2,100 | + | 3,460 | | | 1,500 | 3,000 | | | | 2,100 | | + | | 3,000 | 4.500 |
| Summary | Maintenance Replacement | 1,500 | | 2,875 | 3,000 | | | | | | | 1,500 | 3,000 | | | | | | 5,200 | 39,100 | 3,000 | 1,500 |
| Mechanical Summary | Maintenance | 1,000 | | | + | | 1,000 | | | | | 1,000 | + | | | | 1,000 | | 5,200 | 39,100 | | 1,000 |
| Wechanical Summary | + | 1,000 | | 18,400 | | | 1,000 | | | | | 6,500 | | 400 | | | 1,000 | | 450 | | | 1,000 |
| Electrical Summary | Replacement Maintenance | 150 | | 10,400 | | | + | + | | | | 150 | | 400 | | | | | 1,200 | + | <u> </u> | 150 |
| Electrical Summary | Replacement | 6,295 | | 22,780 | + | | | | 6,800 | | | 130 | + | | | | | | 22,620 | | | 6,295 |
| Miscellaneous Summary | Maintenance | 0,295 | | 22,700 | + | | | + | 6,600 | | | | + | | | | | | 22,020 | + | | 6,293 |
| Wilderian Cods Garrinary | Replacement | | | | | | | 1 | | | | | | | | | | | + | + | | |
| Building Summary | Maintenance | 2,650 | | 2,875 | 3,000 | | 1,000 | | | | | 2,650 | 3,000 | | | | 1,000 | | 1,200 | | 3,000 | 2,650 |
| Building Summary Present Value | Replacement | 6,295 | | 41,180 | 3,000 | | 2,100 | | 10,260 | | | 6,500 | 3,000 | 400 | | | 2,100 | | 28,270 | 39,100 | 3,000 | 6,295 |
| No.13 CP Diamond #1 | | 0,293 | | 41,100 | | | 2,100 | | 10,200 | | | 0,500 | | 400 | | | 2,100 | | 20,210 | 39,100 | | 0,293 |
| Interior Finishes | Maintenance | | | T | T | I | 1 | 1 | T | T T | | | 1 | T | | | | T | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | + | + | | |
| Building Envelope | Maintenance | | | | | 200 | 300 | | | | 200 | | | | | 200 | 300 | | + | + | 200 | |
| Summary | Replacement | 1,200 | | | | 200 | - 000 | | | | 200 | | | | | 200 | 000 | | + | + | | |
| Mechanical Summary | Maintenance | .,200 | | | † | | | 1 | | | | | 1 | | | | | | | + | í | |
| 2 3.1.2 | Replacement | İ | 1 | | 1 | | | | | | 1 | | | | | | | | | + | í | |
| Electrical Summary | Maintenance | | 1 | | 1 | | | 1 | | | | | 1 | | | | | | | + | ĺ | |
| | Replacement | 1 | 1 | 1 | 1 | | | | 1 | | 1 | | 1 | | 1 | | | | † | + | [| |
| Miscellaneous Summary | Maintenance | | 1 | | 1 | | | 1 | | | | | † | | | | | | | + | ĺ | † |
| | Replacement | | | | 1 | | | | | | | | 1 | | | | | | + | + | [| |
| Building Summary | Maintenance | | | | | 200 | 300 | | | | 200 | | | | | 200 | 300 | | | | 200 | |
| Present Value | Replacement | 1,200 | | | | | 300 | | | | | | | | | | | | | | | |
| | op.acomont | .,_00 | | | | | | | | | | | | | | | | | | 4 | | |

R2-Parks and Recreation Report 2 Forecasting Table



| rtoport 2 i t | noodot | <u> </u> | abio | | | | | | | | | | | | | | | | | | LEVE | LION |
|-----------------------------------|----------------------------|----------|--------------|--------|-------|------|----------|-------|------|------|------|-------|------|-------|----------|------|-------|----------|------|------|------|--|
| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| No.14 CP Diamond #1 | | | | | 1 | | | | · | | | | · | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | T | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | <u> </u> | | | | | | | | | | | | | | | |
| Building Envelope | Maintenance | 600 | | | | | 100 | | | | | 600 | | | | | 100 | | | | | 600 |
| Summary | Replacement | 000 | | | | | 100 | | | | | 000 | | | | | 700 | | | | | 000 |
| Mechanical Summary | Maintenance | | | | | | | | | | | | | | | | 700 | | | | | |
| Wechanical Summary | | | | | | | - | | + | | | | | | | | | | + | | | |
| Electrical Summary | Replacement Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Electrical Summary | | | | | + | | | | | | | | + | | | | | | | | | |
| Missallanaana Commana | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Miscellaneous Summary | Maintenance | | | | 1 | | | | | | | | 1 | | | | | | | | | - |
| D :: 0 | Replacement | | | | | | 100 | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | 600 | | | | | 100 | | | | | 600 | | | | | 100 | | | | | 600 |
| | Replacement | | | | | | | | | | | | | | | | 700 | | | | | |
| No.15 CP Diamond #2 | | | | | 1 | | | 1 | | ı | | | 1 | | 1 | | | 1 | 1 | | | |
| Interior Finishes | Maintenance | | | | 1 | | 1 | | 1 | | | | 1 | | | | | | | | | ' |
| Summary | Replacement | | | | | | | | | | | | 1 | | | | | | | | | |
| Building Envelope | Maintenance | | | | | | 600 | | | | | | | | | | 600 | | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | 900 | | | | | |
| Mechanical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| - | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| , | Replacement | | | | | | 1,680 | | | | | | | | | | | | | | | |
| Miscellaneous Summary | Maintenance | | | | | | .,000 | | | | | | 1 | | | | | | | | | |
| meeenaneeue eummary | Replacement | | | | | | | | | | | | | | | | | | | | | <u> </u> |
| Building Summary | Maintenance | | | | | | 600 | | | | | | | | | | 600 | | | | | |
| Building Summary Present Value | Replacement | | | | | | 1,680 | | | | | | | | | | 900 | | | | | |
| No.16 CP Diamond #5 | Replacement | | | | | | 1,000 | | | | | | | | | | 300 | | | | | |
| Interior Finishes | Maintenance | | | | 1 | | ı | ı | 1 | ı | | | 1 | 1 | | | | | 1 1 | | | |
| Summary | | | - | | 5,200 | | | | | | | | + | | | | | 1,500 | | | | |
| | Replacement | | | | 5,200 | | 000 | 0.400 | | | | | | | | | | | | | | ļ |
| Building Envelope | Maintenance | | 0.700 | | | | 880 | 3,100 | | | | | | | | | | 3,100 | | | | ļ |
| Summary | Replacement | | 2,700 | | | | | | | | | | | | | | | | | | | |
| Mechanical Summary | Maintenance | 1,000 | | | | | 1,000 | | | | | 1,000 | 1 | | | | 1,000 | | | | | 1,000 |
| | Replacement | | | 1,000 | | | 1,750 | | | | | | | 1,000 | | | | | | | | |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| | Replacement | 1,260 | | | | | 2,140 | | | | | | | | | | 440 | | | | | 1,260 |
| Miscellaneous Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | 1,000 | | | | | 1,880 | 3,100 | | | | 1,000 | | | | | 1,000 | 3,100 | | | | 1,000 |
| | Replacement | 1,260 | 2,700 | 1,000 | 5,200 | | 3,890 | | | | | · | | 1,000 | | | 440 | 1,500 | | | | 1,260 |
| No.17 CP Diamond #6 | | , | , | | • | | · | • | * | • | | | • | | ' | | | <u> </u> | • | | | |
| Interior Finishes | Maintenance | | | | | | | | T T | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | 4,800 | | | | | | | 1,500 | | | | | | | | |
| Building Envelope | Maintenance | | | 3,120 | 1 | | 1,500 | | 1 | | | | 1 | 3,120 | | | 1,400 | | | | | |
| Summary | Replacement | | | 5,120 | 2,700 | | | | 1 | | | | 1 | 5,120 | | | 6,100 | | | | | |
| Mechanical Summary | Maintenance | 1,000 | 1 | | 2,700 | | 1,000 | | + | | | 1,000 | + | 1 | | | 1,000 | | 1 | | | 1,000 |
| wechanical Summary | | | <u> </u> | | 1.000 | | 450 | | + | | | 1,000 | 1 | 1 | 1.000 | | 1,000 | | 1 | | | |
| Floatrical Cummani | Replacement | 1,000 | | | 1,000 | | 400 | | + | | | | + | + | 1,000 | | | | + - | | | 1,000 |
| Electrical Summary | Maintenance | 0.000 | - | | 1 | | 0.555 | | + | | | 100 | 1 | ļ | | | 000 | 1 | 1 | | | 0.555 |
| | Replacement | 3,330 | | 2 / 22 | | | 2,680 | | | | | 400 | ļ | | | | 220 | | | | | 3,330 |
| Building Summary | Maintenance | 1,000 | | 3,120 | | | 1,000 | | | | | 1,000 | | 3,120 | | | 2,400 | | | | | 1,000 |
| Present Value | Replacement | 4,330 | | | 3,700 | | 7,930 | | | | | 400 | | 1,500 | 1,000 | | 6,320 | | | | | 4,330 |

R2-Parks and Recreation Report 2 Forecasting Table



| TOPOIT = 1 | | <u>9 .</u> | | | | | | | | | | | | | | | | | | | | LION |
|-----------------------------------|--------------|------------|-------------|----------|-----------|---------|----------|-----------|----------|---------|---------|----------|---------|---------|----------|-------|----------|-----------|--|----------|-------------------------|----------|
| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| No.18 CP Lacrosse S | | | | | | | | | | | | | | | | | • | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | | i |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | i |
| Building Envelope | Maintenance | 1,100 | | | | | | | | 1,100 | | | | | | | | 1,100 | | | | i |
| Summary | Replacement | | | | | | | | | | | 6,000 | | | | | | | | | | i |
| Mechanical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | i |
| , | Replacement | | | | | | | | | | | | | | | | | | | | | i |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | i |
| , | Replacement | | | | | | | | | | | | | | | | | | | | | i |
| Building Summary | Maintenance | 1,100 | | | | | | | | 1,100 | | | | | | | | 1,100 | | | | |
| Building Summary Present Value | Replacement | , | | | | | | | | , | | 6,000 | | | | | | , | | | | |
| No.19 CP Residence | | | | | | | | | | | | -, | | | | | | | | | | |
| Interior Finishes | Maintenance | | | T | T T | | I | | | I | I | | Τ | T | | | Τ | Τ | | | , | |
| Summary | Replacement | | 3,060 | | | | | | | | | | | | | | 2,000 | | 1 | | 2,400 | |
| Building Envelope | Maintenance | 200 | 1,690 | 200 | | 200 | 2,375 | 200 | | 200 | 400 | 200 | | 200 | | 200 | _,,,,, | 200 | 1,690 | 200 | | 200 |
| Summary | Replacement | | .,000 | | | 200 | 2,0.0 | | | | | 300 | | | 5,600 | | | | 1,555 | | | |
| Mechanical Summary | Maintenance | 1,000 | | | | | 1,000 | | | | | 1,000 | | | 0,000 | | 1,000 | | + + | | | 1,000 |
| ee.aea. eaa.y | Replacement | .,000 | | | | | 450 | | 1,000 | | | .,000 | | | | | 10,000 | | 1,000 | | | .,555 |
| Electrical Summary | Maintenance | | | | | | 100 | | 1,000 | | | | | | | | 10,000 | | 1,000 | | | |
| | Replacement | | | | | | 3,140 | | | | | 3,685 | | | | | 2,980 | | | | | 2,770 |
| Building Summary | Maintenance | 1,200 | 1,690 | 200 | | 200 | 3,375 | 200 | | 200 | 400 | 1,200 | | 200 | | 200 | 1,000 | 200 | 1,690 | 200 | | 1,200 |
| Building Summary Present Value | Replacement | 1,200 | 3,060 | | | 200 | 3,590 | 200 | 1,000 | | | 3,985 | | | 5,600 | 200 | 14,980 | | 1,000 | 200 | 2,400 | 2,770 |
| No.44 CP Garage | rtopiacomoni | | 0,000 | | | | 0,000 | | 1,000 | | | 0,000 | | | 0,000 | | 1 1,000 | | 1,000 | | 2,100 | 2,110 |
| Interior Finishes | Maintenance | | | | | | | 1 | 1 | | | | | | | | | T | | | , | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | i |
| Building Envelope | Maintenance | | | | 1,750 | | | | | | | | 1,850 | | | | | | | | 1,350 | i |
| Summary | Replacement | 2,300 | | | 1,100 | | | | | | | | 1,000 | | | | | | | | 5,700 | i |
| Mechanical Summary | Maintenance | _,,,,, | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | | 1,000 | † | | | i |
| | Replacement | | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | | 1,000 | 1 | | | |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | , | i |
| | Replacement | | | | | | 450 | | | | | | | | | | | | | | | 450 |
| Building Summary | Maintenance | | 1,000 | | 1,750 | | | 1,000 | | | | | 2,850 | | | | | 1,000 | | | 1,350 | |
| Building Summary Present Value | Replacement | 2,300 | 1,000 | | 1,1.00 | | 450 | .,000 | | | | | | | | | | 1,000 | | | 5,700 | 450 |
| No.39 CP Shelter#2 8 | | 2,000 | | | | | 100 | | | | | | | | | | | | | | 5,1.00 | .00 |
| Interior Finishes | Maintenance | | | T | Ι | | I | | | I | I | | Τ | T | | | Τ | Τ | | | , | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | † | | | i |
| Building Envelope | Maintenance | | | | 6,450 | | | | | | | | | | 6,450 | | | | | | | |
| Summary | Replacement | | | | 0,100 | | | | | | | | | | 5,100 | | | | | | 10,700 | |
| Mechanical Summary | Maintenance | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | | 1,000 | | † | | -10,100 | 1,000 |
| | Replacement | 1,250 | | | | | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | , — <u> </u> | 1,250 |
| Electrical Summary | Maintenance | 1,200 | | | | | | | | | | 1,000 | | | | | | | † | | | |
| , | Replacement | | | | | | | | | | | | | | | | | | † | | | |
| Building Summary | Maintenance | 1,000 | | | 6,450 | | 1,000 | | | | | 1,000 | | | 6,450 | | 1,000 | | | | | 1,000 |
| Building Summary Present Value | Replacement | 1,250 | | | 2,.00 | | .,,,,,, | | | | | 1,000 | | | 2, 100 | | .,000 | | | | 10,700 | 1,250 |
| | | 1,200 | | | | | | | | | | 1,000 | | | | | | | | | | 1,200 |
| Restorative Maintenance | | | 3,298 | 3,298 | 3,298 | 3,298 | 3,298 | | | | | | | | | | | | | | | |
| Report Summary | Maintenance | 9,550 | 2,690 | 7,195 | 11,200 | 400 | 10,255 | 4,300 | 2,000 | 1,800 | 1,200 | 8,450 | 5,850 | 4,720 | 6,450 | 400 | 8,400 | 5,900 | 4,890 | 200 | 4,550 | 8,450 |
| Present Value | Replacement | 31,620 | 5,760 | 42,780 | 8,900 | | 19,640 | .,500 | 12,460 | .,500 | 4,210 | 19,335 | 2,500 | 3,500 | 6,600 | .00 | 25,440 | 1,500 | 31,910 | 39,100 | 20,400 | 30,970 |
| Report Summary | Maintenance | 9,550 | 2,744 | 7,486 | 11,886 | 433 | 11,322 | 4,842 | 2,297 | 2,109 | 1,434 | 10,301 | 7,274 | 5,986 | 8,344 | 528 | 11,305 | 8,099 | 6,847 | 286 | 6,628 | 12,556 |
| Future Value | Replacement | 31,620 | 5,875 | 44,508 | 9,445 | .50 | 21,684 | .,,, | 14,313 | _, | 5,031 | 23,569 | , | 4,439 | 8,538 | | 34,239 | 2,059 | 44,682 | 55,844 | 29,719 | 46,020 |
| Yearly Totals | | \$41,170 | \$11,748 | \$53,273 | \$23,398 | \$3,698 | \$33,193 | \$4,300 | \$14,460 | \$1,800 | \$5,410 | \$27,785 | \$5,850 | \$8,220 | \$13,050 | \$400 | \$33,840 | \$7,400 | \$36,800 | \$39,300 | \$24,950 | \$39,420 |
| Totals Inflated at 2% per Yo | ear | \$41,170 | \$11,983 | \$55,426 | \$24.831 | \$4.003 | \$36.648 | \$4,842 | \$16,610 | | \$6.465 | \$33,870 | \$7,274 | | | \$528 | \$45,544 | \$10,159 | \$51,529 | \$56,130 | \$36,347 | \$58,576 |
| Totalo irmatoa at 270 pci 10 | | Ψ, | Ψ.1,000 | Ψ00, IEO | Ψ= 1,00 1 | Ψ .,σσσ | Ψου,ο 1ο | Ψ 1,10 1E | Ψ.0,010 | ΨΞ,100 | Ψο, 100 | Ψ00,010 | Ψ.,Δ. | Ψ.0,120 | Ψ.0,00E | \$3E0 | Ψ.0,011 | Ψ. υ, ιου | Ψο 1,020 | φου, 100 | φοο ί ο 11 – | ψου,στο |

R3-Heritage Report 3 Forecasting Table



| report or or | oodotii i | 9 | | | | | | | | | | | | | | | | | | | | LION |
|--|----------------------|-------|----------------|----------|--|----------|-----------------|-------|------|-------|--------------|-------|-------|------|--------|-------|-------|--|--|--------|---------------------------------------|--|
| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| No.20 Butterfield Barn-0 | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | I | | | | T T | | | | | | | 1 | | |
| interior i interior cuminary | Replacement | | | | | | 2,500 | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 1,200 | 1 | | | 2,000 | 1,200 | | | | | 1,200 | | | | | 1,200 | | | | |
| _ amaning _ marip c camminany | Replacement | | ., | | | | | 1,200 | | | | | ., | | | | | .,_55 | | | | |
| Building Summary | Maintenance | | 1,200 | | | | | 1,200 | | | | | 1,200 | | | | | 1,200 | | | | |
| , | Replacement | | 1,200 | | | | 2,500 | 1,200 | | | | | 1,200 | | | | | 1,200 | | | | |
| No.21 Butterfield Garag | | | | • | | • | , , , , , , , , | | | | | | | _ | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| , | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | | | | | 1,100 | | | 2,700 | | | | | | | | | | | | |
| | Replacement | | | | | | | | | , | | | | | | | | | | | 6,020 | |
| Mechanical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| j | Replacement | | | | | | | | | | | | | | | | | | | | - | |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| , | Replacement | | | | | | 850 | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | | | | | | 1,100 | | | 2,700 | | | | | | | | | | | | |
| · | Replacement | | | | | | 850 | | | · | | | | | | | | | | | 6,020 | |
| No.22 Butterfield Reside | ence | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | 11,520 | | | | | | · | |
| | Replacement | | | | | | | | | | | | | | | | | | | | 2,000 | |
| Building Envelope Summary | Maintenance | | | 3,300 | | | | | | | | | | | | | | 3,250 | 3,300 | | | |
| | Replacement | | | | | | | | | | | | | | | | | | | 22,930 | · | |
| Mechanical Summary | Maintenance | 2,500 | | | | | 2,500 | | | | | 2,500 | | | | | 2,500 | | | | | 2,500 |
| | Replacement | | | | | | | | | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Electrical Summary | Maintenance | | 150 | | 150 | | 150 | | 150 | | 150 | | 150 | | 150 | | 150 | | 150 | | 150 | |
| | Replacement | | | | | 7,000 | 4,900 | | | | | | | | | 2,000 | 900 | | | | | 3,000 |
| Building Summary | Maintenance | 2,500 | 150 | 3,300 | 150 | | 2,650 | | 150 | | 150 | 2,500 | 150 | | 11,670 | | 2,650 | 3,250 | 3,450 | | 150 | 2,500 |
| | Replacement | | | | | 7,000 | 4,900 | | | | | | | | | 2,000 | 900 | | | 22,930 | 2,000 | 3,000 |
| No.23 NF Main Farmhou | ise | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | <u> </u> |
| | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 5,550 | | | | | 2,800 | | | | | 2,800 | | | | | 4,800 | | | | <u> </u> |
| | Replacement | | 1,800 | | | | | | | | 600 | | | | | | | | | | 12,000 | |
| Building Summary | Maintenance | | 5,550 | | | | | 2,800 | | | | | 2,800 | | | | | 4,800 | | | | |
| | Replacement | | 1,800 | | | | | | | | 600 | | | | | | | | | | 12,000 | |
| No.24 NF Workshop | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | _ | | | | | | | | | | | | | | | | | | |
| | Replacement | | | | | | 1,500 | | | | | | | | | | | | | | | ! |
| Building Envelope Summary | Maintenance | | 2,900 | | | | | 1,300 | | | | | 1,300 | | | | | 1,300 | | | | |
| March and Commercial C | Replacement | | 2,500 | | | | | | | | | | | | | | | | | | 11,000 | |
| Mechanical Summary | Maintenance | | | 5.000 | | | | | | | | | | | | | | | | | | |
| Building Summary | Replacement | | 0.000 | 5,000 | | | | 4.000 | | | | | 4.000 | | | | | 4.000 | | | | |
| Building Summary | Maintenance | | 2,900 2,500 | 5,000 | | | 1,500 | 1,300 | | | | | 1,300 | | | | | 1,300 | | | 11,000 | |
| No 25 NE Chickon Coop | Replacement | | 2,500 | 5,000 | | | 1,500 | | | | | | | | | | | | | | 11,000 | |
| No.25 NF Chicken Coop Interior Finishes Summary | Maintenance | | | | | T | | I | 1 | I | | | 1 | | | | | T The second sec | | | | |
| Interior Finishes Summary | Replacement | | | + | | - | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 450 | + | <u> </u> | <u> </u> | | 450 | | | | | 450 | | | | | 450 | | | | |
| Building Envelope Summary | Replacement | | 450 | | | | | 430 | | | | | 430 | | | | | 430 | | | 2,100 | |
| Building Summary | Maintenance | | 450 | | | | | 450 | | | | | 450 | | | | | 450 | | | 2,100 | |
| Building Summary | Replacement | | 450 | | | | | 430 | | | | | 430 | | | | | 450 | | | 2,100 | |
| No.26 NF West Shed | Replacement | | | | | | | | | | | | | | | | | | | | 2,100 | |
| Interior Finishes Summary | Maintenance | | | T | T T | I | I | l | | l | ı | | 1 | | | | | T | | 1 | | |
| siici i iiiolioo caliiliary | Replacement | | | | | 1 | 2,000 | | | | | | | | | | | | 1 | | | † |
| Building Envelope Summary | Maintenance | | 650 | + | | 1 | 2,000 | 650 | | | | | 650 | | | | | 650 | | | | |
| | Replacement | | 000 | 1 | | | | 000 | | | | | 000 | | | | | 000 | | | | |
| Building Summary | Maintenance | | 650 | | | | | 650 | | | | | 650 | | | | | 650 | | | | |
| g carrinary | Replacement | | 000 | | | | | 000 | | | | | 000 | | | | | 550 | | | | |
| | Порисоннени | | | | | | | | | | | | | | | | | | | | | |

R3-Heritage Report 3 Forecasting Table



| Iveboir 3 i oi | CCasini | grac | 7IC | | | | | | | | | | | | | | | | | | LEVE | LTON |
|--|---|------|------------|-------|-------|------|-------|----------|-------|------|------|------|-------|-------|------|------|----------|--------------|----------|------|-------|----------------|
| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| | Tuok | 2010 | 2010 | 2017 | 2010 | 2010 | 2020 | LULI | LULL | 2020 | LULT | 2020 | 2020 | LULI | 2020 | 2020 | 2000 | 2001 | 2002 | 2000 | 200- | 2000 |
| No.27 NF Creamery | | | | 1 | 1 | 1 | T | • | 1 | 1 | | | 1 | | 1 | | <u> </u> | • | 1 | 1 | | ı |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 400 | | | | | 400 | | | 100 | | 400 | | | | | 400 | | | | |
| | Replacement | | 400 | | | | | | | | | | | | | | | | | | 1,300 | |
| Building Summary | Maintenance | | 400 | | | | | 400 | | | 100 | | 400 | | | | | 400 | | | | |
| | Replacement | | 400 | | | | | | | | | | | | | | | | | | 1,300 | |
| No.28 NF Main Barn | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| , | Replacement | | | | 1,200 | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 1,700 | | 1,200 | | | 1,700 | | | | | 1,700 | | | | | 1,700 | | | | |
| Danaing Envelope Cammary | Replacement | | 4,500 | | | | | 1,700 | | | | | 1,700 | | | | | 1,700 | | | | |
| Building Summary | | | 1,700 | | | | | 1,700 | | | | | 1,700 | | | | | 1,700 | | | | |
| Building Summary | Maintenance | | 4,500 | | 1,200 | | | 1,700 | | | | | 1,700 | | | | | 1,700 | | | | |
| No 20 NE Original Cabin | Replacement | | 4,500 | | 1,200 | | | | | | | | | | | | | | | | | |
| No.29 NF Original Cabir | | | | | | | ı | | | | | | | | ı | | 1 | 1 | | ı | | ı |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| | Replacement | | | | 1,800 | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 700 | | 1 | | | 700 | | | | | 700 | | | | | 700 | 1 | | | |
| | Replacement | | 500 | | | | | | | | | | | | | | | | 4,500 | | | |
| Building Summary | Maintenance | | 700 | | | | | 700 | | | | | 700 | | | | | 700 | | | | |
| | Replacement | | 500 | | 1,800 | | | | | | | | | | | | | | 4,500 | | | |
| No.30 NF Outhouse | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| , | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 200 | | | | | 200 | | | | | 200 | | | | | 200 | | | | |
| Danaing Envelope Cammary | Replacement | | 225 | | | | | 200 | | | | | 200 | | | | | 200 | | | | |
| Building Summary | | | | | | | | 200 | | | | | 200 | | | | | 200 | | | | |
| Building Summary | Maintenance | | 200 225 | | | | | 200 | | | | | 200 | | | | | 200 | | | | |
| No 24 NE Cuest Cabin | Replacement | | 225 | | | | | | | | | | | | | | | | | | | |
| No.31 NF Guest Cabin | | | | 1 | 1 | 1 | T | • | 1 | 1 | | | 1 | | ı | | <u> </u> | • | 1 | 1 | | T |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | 1 | | | |
| | Replacement | | | 1,500 | | | | <u> </u> | | | | | | | | | | <u> </u> | | | | |
| Building Envelope Summary | Maintenance | | | 900 | | | | | 500 | | | | | 500 | | | | | 500 | | | |
| | Replacement | | | 2,500 | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | | | 900 | | | | | 500 | | | | | 500 | | | | | 500 | | | |
| | Replacement | | | 4,000 | | | | | | | | | | | | | | | | | | |
| No.32 NF Milking Shed | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| , | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | | 2,850 | | | | | 1,100 | | | | | 1,100 | | | | | 1,100 | | | |
| Danaing Envelope Cammary | Replacement | | | 500 | | | | | 1,100 | | | | | 1,100 | | | | | 1,100 | | | |
| Building Summary | Maintenance | | | 2,850 | | | | | 1,100 | | | | | 1,100 | | | | | 1,100 | | | |
| Ballaling Carrillary | Replacement | | | 500 | | | | | 1,100 | | | | | 1,100 | | | | | 1,100 | | | |
| No 24 NE Boothyilding | | | | 300 | | | | | | | | _ | | | | | | | | | | |
| No.34 NF Boatbuilding | Mainter | | | | 1 | ı | 1 | | | | | | | | | | T | ı | 1 | | | I |
| Interior Finishes Summary | Maintenance | | | | 1 | | 4.500 | | | | | | | | | | 1 | | 1 | | | |
| Dudlette e Ferritorio C | Replacement | | | 400 | 1 | | 1,500 | | 100 | | | | | 400 | | | - | _ | 100 | | | |
| Building Envelope Summary | Maintenance | | | 400 | 1 | | | | 400 | | | | | 400 | | | | _ | 400 | | | |
| | Replacement | | | 1,800 | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | | | 400 | | | | | 400 | | | | | 400 | | | | | 400 | | | |
| | Replacement | | | 1,800 | | | 1,500 | | | | | | | | | | | | | | | |
| No.35 NF North Boat Ho | | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| , | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | | 900 | | | | 1 | 900 | | | | | 900 | | | | 1 | 900 | | | |
| | Replacement | | | | 1 | | | 1 | | | | | | - 555 | | | 1 | 1 | 1 300 | | | 6,800 |
| Building Summary | Maintenance | | | 900 | | | | | 900 | | | | | 900 | | | | | 900 | | | 5,000 |
| Danaing Carrillary | | | | 300 | | | | | 300 | | | | | 300 | | | | | 300 | | | 6,800 |
| No.36 NF South Boat Ho | Replacement | | | | | | | | | | | | | | | | | | | | | 0,000 |
| THE TAX AND THE PARTY OF THE PA | Juse | | | | T | 1 | ı | 1 | T | T | | | | | ı | | ı | T | 1 | I . | | |
| Interior Finisher Commercia | | | i | 1 | 1 | | | _ | | | | | | | | | | _ | _ | | | |
| Interior Finishes Summary | Maintenance | | | | 1 | | | | - | | | | 1 | | Ī | | Ī | 1 | | | | |
| Interior Finishes Summary | Maintenance Replacement | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary Building Envelope Summary | Maintenance Replacement Maintenance | | | 600 | | | | | 600 | | | | | 600 | | | | | 600 | | | |
| Interior Finishes Summary Building Envelope Summary | Maintenance Replacement Maintenance Replacement | | | | | | | | | | | | | | | | | | | | | 4,500 |
| Interior Finishes Summary | Maintenance Replacement Maintenance | | | 600 | | | | | 600 | | | | | 600 | | | | | 600 | | | 4,500 4,500 |

R3-Heritage Report 3 Forecasting Table



| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
|--------------------------------|-------------|---------|----------|----------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|----------------|----------|---------|---------|-----------------|----------|----------|----------|----------|
| No.37 NF Steam Shed | | | • | • | | | | | | | | | • | | | | | • | | | | |
| Interior Finishes Summary | Maintenance | | 1,500 | | | | | | | | | | | | | | | | | | i | • |
| | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 2,000 | 500 | | | | | 500 | | | | | 500 | | | | | 500 | | | |
| | Replacement | | | 2,300 | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | | 3,500 | 500 | | | | | 500 | | | | | 500 | | | | | 500 | | | |
| | Replacement | | 2,250 | 2,300 | | | | | | | | | | | | | | | | | | |
| No.38 West Saanich Sch | nool | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes Summary | Maintenance | 800 | | | | | | | | | | | | | | | | | | | | |
| | Replacement | | | | | | 4,200 | | | | | 12,800 | | | | | | | | | | |
| Building Envelope Summary | Maintenance | | 7,600 | | | | 500 | | | | 7,600 | | | | | | 500 | | 7,600 | | | |
| | Replacement | | | | | | | | | | 26,000 | | | | | | | | | | | |
| Mechanical Summary | Maintenance | | 2,000 | | | | | 2,000 | | | | | 2,000 | | | | | 2,000 | | | | |
| | Replacement | | | | | | 6,000 | | | | | | | | | | | | | | | |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| | Replacement | 2,290 | | | | | 3,760 | | | | | 3,660 | | | | | | | | | | 1,400 |
| Building Summary | Maintenance | 800 | 9,600 | | | | 500 | 2,000 | | | 7,600 | | 2,000 | | | | 500 | 2,000 | 7,600 | | | |
| | Replacement | 2,290 | | | | | 13,960 | | | | 26,000 | 16,460 | | | | | | | | | | 1,400 |
| | | | | | | | | 1 | | | | | | | | | | | | | | |
| Restorative Maintenance | Maintenance | | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | 9,814 | | L | <u> </u> | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Report Summary | Maintenance | 3,300 | 27,000 | 9,450 | 150 | | 4,250 | 11,400 | 4,150 | 2,700 | 7,850 | 2,500 | 11,550 | 4,000 | 11,670 | | 3,150 | 16,650 | 15,050 | | 150 | 2,500 |
| Present | Replacement | 2,290 | 12,175 | 13,600 | 3,000 | 7,000 | 25,210 | | | | 26,600 | 16,460 | | | | 2,000 | 900 | | 4,500 | 22,930 | 34,420 | 15,700 |
| Report Summary | Maintenance | 3,300 | 27,540 | 9,832 | 159 | | 4,692 | 12,838 | 4,767 | 3,163 | 9,381 | 3,047 | 14,361 | 5,073 | 15,096 | 2 222 | 4,239 | 22,857 | 21,074 | 00 756 | 219 | 3,715 |
| Inflated | Replacement | 2,290 | 12,419 | 14,149 | 3,184 | 7,577 | 27,834 | 004.044 | A 40.004 | 040.544 | 31,789 | 20,065 | 044.550 | D 4 000 | 044.070 | 2,639 | 1,211 | # 40.050 | 6,301 | 32,750 | 50,143 | 23,329 |
| Yearly Totals | | \$5,590 | \$48,989 | \$32,864 | \$12,964 | \$16,814 | \$39,274 | \$21,214 | \$13,964 | \$12,514 | \$44,264 | \$28,774 | \$11,550 | \$4,000 | \$11,670 | \$2,000 | \$4,050 | \$16,650 | \$19,550 | \$22,930 | \$34,570 | \$18,200 |
| Totals Inflated at 2% per Year | | \$5,590 | \$49,969 | \$34,192 | \$13,758 | \$18,200 | \$43,362 | \$23,890 | \$16,040 | \$14,662 | \$52,900 | \$35,075 | \$14,361 | \$5,073 | \$15,096 | \$2,639 | \$5,451 | \$22,857 | \$27,375 | \$32,750 | \$50,362 | \$27,044 |

R4-External Users





| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
|-----------------------------------|----------------------------|--------|--------|-------|--------|---------|-------|----------|------|-------|-------|--------|--------------|--------|-------|---------|--------|--------|------|------|--------|-------------|
| No.4 Fire Museum | Tusk | 2010 | 2010 | 2011 | 2010 | 2010 | 2020 | 2021 | | 2020 | 2024 | 2020 | 2020 | | 2020 | 2020 | 2000 | 2001 | 2002 | 2000 | 2001 | 2000 |
| Interior Finishes | Maintenance | | | | | Ī | I | | I | Ī | | | | | Ī | | | | | | | |
| | Replacement | | | | | | | 7,560 | | | | | | | | | | 3.040 | | | | |
| Summary | Maintenance | 1,360 | 300 | | | | | 6,520 | | 1,360 | | | | | | | | 1,660 | | | | |
| Building Envelope | | 1,300 | 300 | | | | | | | 1,360 | | | | | | | | 1,000 | | | | |
| Summary | Replacement | | 4.000 | | | | | 5,350 | | | | | 4.000 | | | 1 | | 4.000 | | | | |
| Mechanical Summary | Maintenance | | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | | 1,000 | | | | |
| Electrical Summary | Replacement | | 300 | | | | | 1,000 | | | | | 4,500 300 | | | | | 1,000 | | | | |
| Electrical Summary | Maintenance | | 300 | | | | | 12,090 | | | | | 300 | | | | | 17,620 | | | | |
| Decilation on Commence on the | Replacement | 1,360 | 1,600 | | | | | | | 1,360 | | | 4 200 | | | | | | | | | |
| Building Summary Present Value | Maintenance | 1,360 | 1,600 | | | | | 7,520 | | 1,360 | | | 1,300 | | | | | 2,660 | | | | |
| No.40 Lions Hall | Replacement | | | | | | | 26,000 | | | | | 4,500 | | | | | 21,660 | | | | |
| Interior Finishes | Maintenance | | | | | 1,085 | | ı | | Ī | | | | | Ī | l | 15,196 | I | | | | |
| Summary | Replacement | | | | | 8,000 | | | | | | | | | | | 9,750 | | | | | |
| Building Envelope | Maintenance | | | 4,328 | | 0,000 | | <u> </u> | | | | | | 4,499 | | | 9,750 | | | | | |
| Summary | Replacement | | | 9,500 | | | | - | | | | 9,832 | | 4,499 | | | 8,460 | | | | | 1 |
| Mechanical Summary | Maintenance | 2,000 | | 9,500 | | | 2,000 | | | | | 2,000 | | | | | 2,000 | | | | | 2,000 |
| INECHAINCAI Summary | Replacement | 2,000 | | | 1,000 | | 2,000 | | | | | 2,000 | | | 1,000 | | 2,000 | | | | | 2,000 |
| Electrical Summary | Maintenance | | | | 1,000 | | | | | | | | | | 1,000 | | | | | | | |
| Electrical Summary | Replacement | | | | | | 6,055 | | | | | 6,130 | | | | | 150 | | | | | 1 |
| Building Summary | | 2,000 | | 4.328 | | 1,085 | 2,000 | | | | | 2,000 | | 4.499 | | | 17,196 | | | | | 2,000 |
| Present Value | Maintenance Replacement | 2,000 | | 9,500 | 4.000 | 8,000 | | | | | | 15,962 | | 4,499 | 1,000 | | | | | | | 2,000 |
| No.41 Centre For Activ | | | | 9,500 | 1,000 | 8,000 | 6,055 | | | | | 15,962 | | | 1,000 | | 18,360 | | | | | |
| Interior Finishes | Maintenance | | | | | | | 32.325 | | l | | | | | l | | | | | | | |
| | Replacement | | 2.025 | | | 4 4 4 7 | | 3,563 | | | | | 3,035 | 44.000 | | 4 4 4 7 | | 2.025 | | | | |
| Summary | • | | 3,035 | 0.400 | | 1,147 | | | | | 0.504 | | 3,035 | 14,080 | | 1,147 | | 3,035 | | | 1.000 | |
| Building Envelope | Maintenance | | | 8,428 | | 1,060 | | 3,960 | | | 3,564 | | | | | 1,060 | | 2,504 | | | 1,060 | I |
| Summary | Replacement | | | | 15,300 | | | | | | | | | | | | | | | | | |
| Mechanical Summary | Maintenance | | | | | | 600 | | | | | | | | | | 600 | | | | | |
| | Replacement | 2,000 | 2,000 | | | | 2,000 | | | | | 2,450 | 2,000 | | | | 2,000 | | | | 16,000 | 2,000 |
| Electrical Summary | Maintenance | | | | | | 300 | | | | | | | | | | 300 | | | | | |
| | Replacement | | | 4,225 | | 26,300 | 5,000 | | | | | 22,465 | | | | 23,100 | 900 | | | | | 5,000 |
| Building Summary | Maintenance | | | 8,428 | | 1,060 | 900 | 36,285 | | | 3,564 | | | | | 1,060 | 900 | 2,504 | | | 1,060 | |
| Present Value | Replacement | 2,000 | 5,035 | 4,225 | 15,300 | 27,447 | 7,000 | 3,563 | | | | 24,915 | 5,035 | 14,080 | | 24,247 | 2,900 | 3,035 | | | 16,000 | 7,000 |
| No.42 Lawnbowling Cl | | | | 1 | 1 | T | 1 | 1 | ı | 1 | | | | 1 | 1 | T | | T | | | | |
| Interior Finishes Summary | Maintenance | | | | | 1,418 | | 11,643 | | | | | | | | | | 13,085 | | | | ĺ |
| Building Envelope | Replacement Maintenance | | 2,799 | | | 1,410 | | 11,043 | | | | | | | | | | 13,000 | | | | |
| Summary | Replacement | 10,000 | 12,471 | | | | | 4,517 | | | | | | | | | | | | | | 1 |
| Mechanical Summary | Maintenance | 2,000 | . =, | | | | 2,000 | ., | | | | 2,000 | | | | | 2,000 | | | | | 2,000 |
| | Replacement | | | | | | 1,000 | | | | | 950 | | | | | 1,000 | | | | | |
| Electrical Summary | Maintenance | | 150 | | | | | | | | | | 150 | | | | | | | | | |
| Desilation of Occ | Replacement | 0.000 | 0.040 | | | | 3,550 | | | | | 14,140 | 450 | | | | 0.000 | | | | | 3,600 |
| Building Summary Present Value | Maintenance | 2,000 | 2,949 | | | 1 // 0 | 2,000 | 16.400 | | | | 2,000 | 150 | | | | 2,000 | 12.005 | | | | 2,000 |
| 1 1036Ht Value | Replacement | 10,000 | 12,471 | | | 1,418 | 4,550 | 16,160 | | | | 15,090 | | | | | 1,000 | 13,085 | | | | 3,600 |

R4-External Users





| Component Name | Task | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
|--------------------------|-------------|----------|----------|----------|----------|----------|----------|-----------|------|---------|---------|----------|----------|----------|---------|----------|----------|----------|------|------|----------|----------|
| No.43 Lawnbowling Sto | rage | | | | | | | | | | | | | | | | | | | | | |
| Interior Finishes | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Envelope | Maintenance | | | | | | 770 | | | | | | | | | | | | | | | |
| Summary | Replacement | | | | | | 2,240 | | | | | | | | | | 2,700 | | | | | |
| Mechanical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Electrical Summary | Maintenance | | | | | | | | | | | | | | | | | | | | | |
| | Replacement | | | | | | | | | | | | | | | | | | | | | |
| Building Summary | Maintenance | | | | | | 770 | | | | | | | | | | | | | | | |
| Present Value | Replacement | | | | | | 2,240 | | | | | | | | | | 2,700 | | | | | |
| Destaustive Maintananae | Maintananaa | | 4.540 | 4.540 | 4.540 | 4.540 | 4.540 | | | T | | | l | l | | | | l | ı | | | |
| Restorative Maintenance | Maintenance | | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | | | | | | | | | | | | | | | |
| Report Summary | Maintenance | 5,360 | 4,549 | 12,756 | | 2,145 | 5,670 | 43,805 | | 1,360 | 3,564 | 4,000 | 1,450 | 4,499 | | 1,060 | 20,096 | 5,164 | | | 1,060 | 4,000 |
| Present Value | Replacement | 12,000 | 17,505 | 13,725 | 16,300 | 36,864 | 19,845 | 45,723 | | | | 55,967 | 9,535 | 14,080 | 1,000 | 24,247 | 24,960 | 37,780 | | | 16,000 | 10,600 |
| Report Summary | Maintenance | 5,360 | 4,640 | 13,272 | | 2,322 | 6,260 | 49,331 | | 1,593 | 4,259 | 4,876 | 1,803 | 5,706 | | 1,399 | 27,046 | 7,089 | | | 1,544 | 5,944 |
| Future Value | Replacement | 12,000 | 17,855 | 14,279 | 17,298 | 39,903 | 21,910 | 51,491 | | | | 68,223 | 11,855 | 17,857 | 1,294 | 31,993 | 33,593 | 51,863 | | | 23,309 | 15,751 |
| Yearly Totals | | \$17,360 | \$23,594 | \$28,021 | \$17,840 | \$40,550 | \$27,055 | \$89,527 | | \$1,360 | \$3,564 | \$59,967 | \$10,985 | \$18,579 | \$1,000 | \$25,307 | \$45,056 | \$42,944 | | | \$17,060 | \$14,600 |
| Totals Inflated at 2% pe | r Year | \$17,360 | \$24,066 | \$29,153 | \$18,932 | \$43,892 | \$29,871 | \$100,822 | | \$1,593 | \$4,259 | \$73,099 | \$13,658 | \$23,563 | \$1,294 | \$33,392 | \$60,639 | \$58,952 | | | \$24,853 | \$21,695 |

APPENDIX III BUILDING DISCOVERY SHEET

| - | / | | (*1) = "N/N" etc.(and fo | | | - | | | | | na ! | | 0.42 | | Londlord star dead | and Lett | waanansikiliki as | ning from the con- | |
|----------|------|--|---------------------------|------------------------------------|--------------------|-------------------|---|------------|----------------------------|----------------------|------------------------------|---------------|---------|------------|---|---------------------------------|--|------------------------------------|--|
| - | 7 | | (*3) = 'Hazmat, Soils, Se | | | | re currently excluded fr | | entary in t | neir sco | pe wn | ere rei | evant | | Landiord Standards | and Lease | e responsibilities may req | uire further cia | arification in this report. |
| LI | EVI | ELTON | | | | | | | | | | | | | | | | | |
| Report # | Ref# | Building | Address | Year Built | Floor Area (m²) | Energy Sources | Perspective Thumb | CRD Aerial | Heritage? Enivronmental | (Solis) ? HazMat? | After Disaster? | Seismic? (*2) | Energy? | Enclosure? | Approx. Current Usage? Occupant Load? | % Used | Intended Future Use(s) | Drawings Available (A,M,E,S) | Notes |
| 1 | 1 | Municipal Hall (Admin/Police/Fire Stn#2) | 1903 Mt Newton Road | 1965,'77,'79 Rem in '89&2000 | 2,828 Combined | E/G/D | | | N/N N/I | N Y/N | Y/N *go to FS# 1 | N/? | Y/N | Y/? | 50 staff +10 visitors/ daytime workdays | 100% | Same | All | BECA 2009, Energy 2013, Health&Safety 2014, IAQ 2012, HazMat 2013, HVAC?? Post Disaster=holding cells, firearms etc. Hose fire tower noted. |
| 1 | 5 | Fire Station #1 | 1512 Keating Cross Rd | 2013 | 2,183 | E | Marie 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | n/a N/I | N n/a | Y/Y | Y/Y | N/N | N/N | 6 F/T staff 24/7 25-30 pers 5 reg.hr.days | 100% | Same, AND Emergency Operations Centre/ Alternate City Hall/ Police Facility | All | |
| 1 | 6 | Public Works Main Complex | 1703 Keating Cross Rd | 1973 | 772 | E/P/D | | 3.0m | N/N N/ | Y Y/N | N/Y | N/Y | Y/N | N/? | 40-50 pers / day 5 reg.hr.days | 65% winter 50% /24hrs. | Same | Site Plan | Energy 2004 Below grade fuel tanks small leak monitored. Asbestos Confirmed. After disaster=maintain facilities vehicle access e.g., doors only? |
| 1 | 7 | Public Works East Bays/Roads & Parks Shop | 1703 Keating Cross Rd | 1974 | 726 | E | | 5200 | N/N N/I | N N/? | N/Y | N/Y | Y/N | N/? | Owner input required. | 75% | Same | Site Plan | Energy 2004 More of a shell. New Roof. After disaster=maintain facilities vehicle access e.g., doors only? |
| 1 | 8 | Public Works Wood Shop | 1703 Keating Cross Rd | 1979 | 41 | E | | Joan | N/N N/I | N N/? | N/N | N/N | Y/N | N/? | None, Storage. | 50% | | Site Plan | |
| 1 | 9 | Cultural Centre (Library, Meeting rooms) | 1209 Clarke Rd | 1988 | 880 | E | | | N/N N/I | N Y/N | N/? | N/? | Y/N | N/? | Varies, 60-120 pers., 5-7 days, reg. hours some evenings | 85% | Same | All | Lighting 2009 Paint 2009 Roof 2005-2008?? |
| 1 | 45 | Public Works Equipment Shed | 1703 Keating Cross Rd | 1995 | 12 | E | | 7 | N/N N/I | N N/N | N/N | N/N | N/N | N/N | None, Storage. | | Same | None | |

| Report # | Ref# | Building | Address | Year Built | Floor Area (m²) | Energy Sources | Perspective Thumb | CRD Aerial | Heritage? | Enivronmental (Soils)? HazMat? | After Disaster? | Seismic? (*2) | Energy? Enclosure? | Approx. Current Usage? Occupant Load? | % Used Intended Future Use(s) | Drawings Available (A,M,E,S) | Notes |
|----------|------|--|-----------------------|------------|-------------------------|-------------------|-------------------|---|-----------|--------------------------------------|-----------------|---------------|-----------------------|---|-------------------------------|------------------------------------|---|
| 1 | 46 | Public Works Equipment & Supplies Shed | 1703 Keating Cross Rd | 1997 | 42 | E | | N Property of the same of the | /N I | N/N N/N | N/N 1 | N/N N | /N N/N | None, Storage. | Same | None | |
| 1 | 47 | Public Works Water/Sewer Equipment Shed | 1703 Keating Cross Rd | 1989/2010 | 155 | N/A | | N/ | /N I | N/N N/N | N/N r | N/N N | /N N/N | None, Storage. | Same | None | |
| 1 | 48 | Public Works Salt Shed | 1703 Keating Cross Rd | 2012 | 280 | N/A | | N/ | /N I | N/N N/N | N/N I | N/N N | /N N/N | None, Storage. | Same | None | |
| 1 | 49 | Public Works Environmental Compliance | 1703 Keating Cross Rd | N/A | N/A | N/A | | N/ | /N \ | Y/Y? Y/Y? | N/N I | N/N N | /N N/N | N/A | N/A N/A | N/A | Not a building but associated infrastructure that is included for reference only. |
| 2 | 10 | Rom Knott Park Concession | 1200 Sluggett Rd | c.1984 | 95 | E | | N _j | /N I | N/N N/N | N/N 1 | N/N N | /N N/? | Weekends, Evenings, Seasonal | 30% Same | А | |
| 2 | 11 | Verdier Park Washrooms | 819 Verdier Ave | 2012 | 22 | E | | N/ | /N I | N/N N/N | N/N I | N/N N | /N N/? | 2 -4 pers. | 15% Same | А | |
| 2 | 12 | CP Fieldhouse | 1809 Hovey Rd | 1992 | 219 | E | | N/ | /N | N/N N/N | N/N 1 | N/N N | /N N/? | Open Year 'Round, washrooms open daily, Meeting room | 80% Same | All | New Roof-2013 Lighting 2009 |
| 2 | 13 | CP Diamond #1 Utility | 7450 Wallace Dr | 1985 | "=168* 0.0929 =15 | E | | N/ | /N I | N/N N/N | N/N 1 | N/N N | /N N/? | Seasonal, Low | 15% Same | No | |

| Report # | Ref# | Building | Address | Year Built | Floor Area (m²) | Energy Sources | Perspective Thumb | CRD Aerial | Enivronmental | (Soils)? HazMat? | After Disaster? | Energy? | Enclosure? | Approx. Current Usage? Occupant Load? | % Used | Intended Future Use(s) | Drawings Available (A,M,E,S) | Notes |
|----------|------|---|-------------------|------------|--------------------|-------------------|-------------------|------------|---------------|---------------------|-----------------|---------|------------|---|--------|------------------------|------------------------------------|----------------------------------|
| 2 | 14 | CP Diamond #1 Building (Peter Parsons) | 7450 Wallace Dr | 1980 | 7.8 | E | | N/N | N N/ | /n n/n | N/N N/I | N N/N | N/? | Seasonal, Low | 15% | Same | No | |
| 2 | 15 | CP Diamond #2 Building | 7526 Wallace Dr | 1980 | 8.0 | E | | N/N | N/ | /N N/N | N/N N/I | N N/N | N/? | Seasonal, Low | 15% | Same | No | |
| 2 | 16 | CP Diamond #5 Building (Edith Cooke) | 1836 Hovey Rd | c.1980 | 107 | E | | N/N | N N/ | /n n/n | N/N N/I | N N/N | N/? | Seasonal, Low 10 pers? | 15% | Same | А | |
| 2 | 17 | CP Diamond #6 building | 7576 Wallace Dr | 1990 | 112 | | | N/N | N/ | /N N/N | N/N N/I | N N/N | N/? | Seasonal, Low 10 pers? | 15% | Same | No | |
| 2 | 18 | CP Lacrosse Storage | 1787 Hovey Rd | 1985 | 27 | E | | 1785 N/N | N/ | /n n/n | N/N N/I | N N/N | N/? | Unoccupied | 75% | Same | А | |
| 2 | 19 | CP Residence | 1785 Hovey Rd | 2000 | 113 | E/O/P | | N/N | N/ | /N N/? | N/N N/ | ? N/? | N/? | Family? | 100% | Same | А | Roof'09 Garage Rem + Paint'14 |
| 2 | 44 | CP Garage | 1785 Hovey Rd | c.1967 | 113 | E/O/P | | N/N | N N/ | /N N/? | N/N N/ | ? N/? | N/? | Family? | 100% | Same | А | Roof'09 Garage Rem + Paint'14 |
| 2 | 39 | CP Shelter #2 & Storage | 1809 Hovey Rd | 1990 | 302 | E | | N/N | N N/ | /N N/N | N/N N/I | N N/N | N/? | Unoccupied, Storage of Cooking Equip/ Trailers, Tanks. | 75% | Same | No | |
| 3 | 20 | Butterfield Barn/Chicken Coup | 8000 Thompson Plc | 1910 | 115 | - | | Y/Y | / N/ | /? N/? | N/N N/I | N N/N | N/N | Unoccupied, Restricted (View ext. only) | 0% | Same | No | Roof 2010 |

| Report # | Ref# | Building | Address | Year Built | Floor Area (m²) | Energy Sources | Perspective Thumb | CRD Aerial | Heritage? | Enivronmental (Soils)? | | After Disaster? Seismic? (*2) | Energy? | | Approx. Current Usage? Occupant Load? | % Used | Intended Future Use(s) | Drawings Available (A,M,E,S) | Notes |
|----------|------|-----------------------|--------------------------|------------|--------------------|-------------------|-------------------|------------|-----------|---------------------------|------|----------------------------------|---------|-----|---|--------|------------------------|------------------------------------|--|
| 3 | 21 | Butterfield Garage | 8000 Thompson Plc | 1930 | 61 | E | | | Y/Y | N/N N | /? N | I/N N/N | N/N | N/? | Unoccupied | 50% | Same | No | |
| 3 | 22 | Butterfield Residence | 8000 Thompson Plc | 1910 | 170 | E | | -B000 | Y/Y | N/N N | /? N | I/N N/N | N/N | N/? | Family? | 100% | Same | No | Roof+Chimney 2009 |
| 3 | 23 | NF Main Farmhouse | 8073 Old Veyaness Ave | 1905 | 77 | N/A | | | Y/Y | Y/N N, | /? N | I/N N/N | N/N I | N/N | Unoccupied | 0% | Same | No | Masselink Study 2007 for All |
| 3 | 24 | NF Garage / Workshop | 8073 Old Veyaness Ave | c.1900 | 56 | N/A | | | Y/Y | Y/N N, | 'N N | I/N N/N | N/N I | N/N | Unoccupied | 0% | Same | No | Main Farmhouse and outbuildings on first Acre from 1905, remaining 15 acres likely erected at a later date (year in italics, TBC, currently as listed in Masselink Stucy). |
| 3 | 25 | NF Chicken Coop | 8073 Old Veyaness Ave | c.1900 | 9 | N/A | | | Y/Y | Y/N N | 'N N | I/N N/N | N/N I | N/N | Unoccupied | 0% | Same | No | Main Farmhouse and outbuildings OF INTEREST to the Farmland's Trust as a park = Future use. |
| 3 | 26 | NF West Shed | 8073 Old Veyaness Ave | c.1900 | 16 | N/A | | | Y/Y | Y/N N, | 'N N | I/N N/N | N/N I | N/N | Unoccupied | 0% | Same | No | |
| 3 | 27 | NF Creamery | 8073 Old Veyaness Ave | c.1900 | 7 | N/A | | × | Y/Y | Y/N N, | 'N N | I/N N/N | N/N I | N/N | Unoccupied | 0% | Same | No | |
| 3 | 28 | NF Main Barn | 8073 Old Veyaness Ave | c.1900 | 79 | N/A | | | Y/Y | Y/N N, | 'N N | ı/N N/N | N/N | N/N | Unoccupied | 0% | Same | No | |
| 3 | 29 | NF Original Cabin | 8073 Old Veyaness Ave | 1896 | 20 | N/A | | | Y/Y | Y/N N, | 'N N | I/N N/N | N/N I | N/N | Unoccupied | 0% | Same | No | |

| Report # | Ref# | Building | Address | Year Built | Floor Area (m²) | Energy Sources | Perspective Thumb | CRD Aerial | Heritage? | Enivronmental (Soils)? | HazMat? | After Disaster? Seismic? (*2) | Energy? | Enclosure? | Approx. Current Usage? Occupant Load? | % Used | Intended Future Use(s) | Drawings Available (A,M,E,S) | Notes |
|----------|------|---------------------|---------------------------|-------------|--------------------|-------------------|-------------------|------------|-----------------|---------------------------|----------------|----------------------------------|---------|----------------|---|--------|------------------------|------------------------------------|--|
| 3 | 30 | NF Outhouse | 8073 Old Veyaness Ave | c.1897 | 1.7 | N/A | | Y | ′/Y | Y/N I | N/N | N/N N/ | N N/N | N/N | Unoccupied | 0% | Same | No | |
| 3 | 31 | NF Guest Cabin | 8073 Old Veyaness Ave | c.1930 | 12 | N/A | | Y | ′/Y | Y/N I | N/N | N/N N/ | N N/N | N/N | Unoccupied | 0% | Same | No | Sheep on site. Keep gates closed |
| 3 | 32 | NF Milking Shed | 8073 Old Veyaness Ave | c.1900/1970 | 36 | N/A | | Y Boxe | ′/Y | Y/N I | N/N | N/N N/ | N N/N | N/N | Unoccupied | 0% | Same | No | Sheep on site. Keep gates closed |
| 3 | 33 | Boatbuilding Shed | 8073 Old Veyaness- Ave | 2 | 20 | N/A | | ¥ | '/ ¥ | Y/N I | N/N | N/N N/ | N N/N | N/N | Unoccupied | 0% | Same | Ne | Building removed from inventory. Beyond state of repairs. |
| 3 | 34 | NF East Shed | 8073 Old Veyaness Ave | c.1930 | 6 | N/A | H | | ′/Y | Y/N I | N/N | N/N N/ | N N/N | N/N | Unoccupied | 0% | Same | No | |
| 3 | 35 | NF North Boat House | 8073 Old Veyaness Ave | 1931 | 32 | N/A | | Y | ′/Y | Y/N I | N/N | N/N N/ | N N/N | N/N | Unoccupied, Used by Paddling Club for Storage | 100% | Same | No | |
| 3 | 36 | NF South Boat House | 8073 Old Veyaness Ave | 1931 | 20 | N/A | | Y | //Y | Y/N | N/N | N/N N/ | N N/N | N/N | Unoccupied, Used by Paddling Club for Storage | 100% | Same | No | |
| 3 | 37 | NF Steam Shed | 8073 Old Veyaness Ave | 1931 | 7 | N/A | | Y | ′/Y | Y/N I | N/N | N/N N/ | N N/N | N/N | Unoccupied | 0% | Same | No | |

| Report # | Ref# | Building | Address | Year Built | Floor Area (m²) | Energy Sources | Perspective Thumb | CRD Aerial | Heritage? | Enivronmental (Soils)? | HazMat? | After Disaster? Seismic? (*2) | Energy? | Enclosure? | Approx. Current Usage? Occupant Load? | % Used | Intended Future Use(s) | Drawings Available (A,M,E,S) | Notes |
|----------|------|--|----------------------|---|--------------------|-------------------|-------------------|--------------------|-----------|---------------------------|---------|-------------------------------|---------|------------|---|--------|------------------------|------------------------------------|---|
| 3 | 38 | West Saanich School | 7130 West Saanich Rd | 1908/1916 | 246 | E/D | | | Y/Y | N/? N | ۱/؟ ۱ | N/Y N/Y | ′ N/N | | 50 pers. M-F, 3pm- 9pm Sept-June. Music events in adjacent park. | 75% | Same | A/S of 2007 Repairs | Energy 2004. Heated only when occupied. Scouts/Guides Tours. Walls tied to foundation. Assess Roof Assembly?? |
| 4 | 4 | Fire Museum | 1901 Mt. Newton Rd | 2001 | 176 | E | | | N/N I | N/N N | ı/N ı | 1/N N/N | ı n/n | N/? | 10 pers few days/month, (internal projects) | 75% | Same | All | Lighting 2010 |
| 4 | 40 | Lions Hall (LEASED, *6) | 6994 East Saanich Rd | c.1894/1919 | 321 | E | (S) | Y | Y/N I | N/N N | N/Y I | N/Y N/N | I N/N | N/? | <obtain from<br="">Leessee></obtain> | | Same | None | |
| 4 | 41 | Centre for Active Living [Seniors Centre (55+)] (LEASED, *6) | 1229 Clarke Rd | 1950's Rancher 1988-2storey wing Addition 1991 | 610 315 | E/D | | | N/N I | N/N Y | ′/N | N/? N/? | Y/N | N/? | <obtain from<br="">Leessee></obtain> | TBD | Same | All | Lighting 2009? Roof 2012 |
| 4 | 42 | Lawnbowling clubhouse (LEASED, *6) | 1800 Hovey Rd | 1934 + Adds in 1976, 1988 and 1991 | 234 | E | | Centennial Park | N/N | N/? N | N/? I | N/? N/? | N/? | N/? | 30 pers? Seasonal? Assembly | 30% | Same | No | |
| 4 | 43 | Lawnbowling Storage (LEASED, *6) | 1800 Hovey Rd | 2000 | 14 | - | | | N/N | N/? N | N/? I | N/N N/? | N/? | N/? | Unoccupied | 100% | Same | No | |

APPENDIX IV GLOSSARY OF TERMS



Air Barrier Materials and components that together control the flow of air through an

assembly and thus limit the potential for heat loss and condensation due to air

movement.

Adhesion The property of a coating or sealant which measures its ability to stick or bond

to the surface to which it is applied.

Alligatoring Shrinkage cracking of the bituminous surface of built-up roofing, or the exposed

surface of smooth-surface roofing, producing a pattern of deep cracks with the

scaly look of an alligator's hide.

Adhesion Failure Failure of a compound by pulling away from the surface with which is in contact.

(see cohesive failure).

Asphalt A highly viscous hydrocarbon produced from the residuum left after the

distillation of petroleum used as the waterproofing agent of a built-up roof.

Assembly The collective layers of components and materials which together comprise

the complete cross-section of the wall or roof.

Balcony A horizontal surface exposed to outdoors, and intended for pedestrian use, but

projected from the building so that it is not located over a living space or is acting

as a roof.

Ballast An anchoring material such as rounded river rock, gravel, or precast concrete

pavers, which is used to hold roof membranes in place and resist wind uplift

forces.

Base Flashing The part of the roofing that is turned up at the intersection of a roof with a wall

or another roof penetration. It may be made of the same material as the main

roofing membrane or of a compatible material.

Bitumen A generic term for either asphalt or coal tar pitch used in the roofing industry.

Blister A spongy, raised portion of roofing membrane, ranging in size from 25 mm (1")

in diameter and barely detectable to as much as 4.6 m² (50 ft ²) in area and 300 mm (12") high. Blisters result from the pressure of entrapped air or water

vapour.

Bond Breaker Use where it is desired that the sealant not adhere.

Building Envelope Now called an environmental separator in Building Codes, refers to those parts

of the building which separate inside, conditioned space from unconditioned or outside space, and includes windows, doors, walls, roofs, and foundations

Built-up Roofing (BUR) A continuous, semi-flexible roof covering, consisting of laminations of plies of

saturated or coated felts alternated with layers of bitumen. Surfaced with

bitumen, and in some cases covered with aggregate.

Cant Strip A continuous strip of triangular cross-section, fitted into the angle formed by a

structural deck and a wall or other vertical surface. Used to provide a gradual

transition for base flashing and horizontal roof membrane.

Cap Flashing Component that sheds water from the tops of walls. It is difficult to make metal

cap flashing waterproof at joints and intersections, and it therefore requires a

secondary, continuous and waterproof membrane below it.

Caulking A material used for joint sealing where minor or no elastomeric properties are

required



Cladding A material or component of the wall assembly, which forms the exterior surface

of the wall and is exposed to the environment forces.

Cohesive Failure Splitting and opening of a compound resulting from over extension of the

compound caused by excessive movement (see adhesion failure).

Concealed Barrier A strategy for rain penetration control that relies on the elimination of holes

through a combination of the cladding and a secondary plane further into the

assembly.

Contract The undertaking by the parties to perform their respective duties,

responsibilities, and obligations as prescribed in the Contract Documents and

represents the entire agreement between the parties.

Counter Flashing Prevents water from penetrating behind the top edge of base flashing, and

consists of a separate piece of flashing placed over the top of the base flashing.

It is usually made of sheet metal.

Cross Cavity Flashing Flashing that intercepts and directs water flowing down the cavity of a wall

assembly to the outside of the building.

Deck A horizontal surface exposed to outdoors, located over a living space, and

intended for pedestrian use in addition to performing the function of a roof.

Delamination Separation of the plies in a roof membrane system or separation of laminated

layers of insulation.

Drainage Uses surfaces of the assembly to drain water away from the assembly.

Drip Flashing A component that directs water flowing down the face of vertical elements, such

as walls or windows, away from the surface.

Durability Terminology describing the capacity of a material to tolerate environmental

forces.

Efflorescence A white powdery deposit on the surface indicating moisture ingress through the

concrete. This is caused when water travelling through the concrete reacts with

calcium hydroxide.

Element A material or component within the assembly.

Emulsion An intimate mixture of bitumen and water, with uniform dispersion of the

bitumen globules, achieved through a chemical of clay emulsifying agent.

Exterior Glazed Glass set from the exterior of the building.

Exterior Stop The removable molding or bead holding the glass or panel in place when it is

on the exterior side of the glass or panel, as contrasted to an interior stop

located on the interior side of the glass.

Face Seal A strategy for rain penetration control that relies on the elimination of holes

through the cladding.

Felt A fabric made by the interlocking of fibres. Roofing felts are manufactured from

cellulosic fibres (organic felts), asbestos fibres (asbestos felts), or glass fibres (glass fibre felts). Felts are either saturated, or saturated and coated with

bitumen.

Fishmouth An opening formed by an edge wrinkle in a felt where it overlaps another felt in

a built-up roofing membrane.



Flashing Connecting devices that seal membrane joints, drains, gravel stops and other

places where the membrane is interrupted. Base flashing forms the upturned edges of the watertight membrane. Cap or counter flashing shields the exposed

edges and joints of the base flashing.

Frame Outside member of a window unit, which encloses the sash. Compound of side

jambs, head and sill.

Grade The classification of materials by quality. Also, the ground elevation or level,

contemplated or existing, at the outside walls of a building, or elsewhere on the

building site.

Granules Opaque, natural, or synthetically coloured aggregate commonly used to surface

cap sheets and roofing shigles.

Gravel Coarse granular aggregate, having rounded edges, resulting from the natural

erosion of rock.

Gravel Stop Flanged device, normally metallic, designed to prevent loose aggregate from

washing off the roof and to provide a finished edge detail for the built-up roofing

assembly.

HPO Homeowner Protection Office. The HPO is a provincial Crown corporation

formed in response to the recommendations of the Barrett Commission.

Head The upper horizontal cross member, between the **jambs**, which forms the top

of a door or window frame; may provide structural support for construction

above if required, as a door head or window head.

Horizontal Joint A horizontal joint on a wall which provides capability for differential movement

of portions of the building structure (expansion joint) or prevents or localizes

cracking of brittle materials such as stucco (control joint).

Housewrap A sheet plastic material used as a breather type sheathing membrane. It is

generally installed between the wall sheathing and the exterior cladding. Although at one time used as a proprietary term, housewrap is now used to represent a generic group of materials. One common type of housewrap consists of Spun-bonded Polyolefin (SBPO); another is made of perforated

polyethylene.

Interior Glazed Glass set from the interior of the building.

Jamb A vertical member at either side of a doorframe, window frame or door lining.

Loosely Laid Membrane Membranes which are not attached to the substrate except at the perimeter of

the roof. They are held in place with appropriate and adequate ballast.

Maintenance A scheduled process of periodic inspection and minor repairs to the building

envelope.

Modified Bitumen Asphalt enhanced by the addition of polymer modifiers to increase cold

temperature flexibility and warm temperature flow resistance and stability. The most common modifiers are SBS (styrene butadiene styrene) and APP (atactic

polypropylene).

Moisture Barrier Any material used to retard the passage or flow of moisture into the assembly,

thus preventing condensation.

Moisture Content With respect to wood: The weight of water contained in wood expressed as a

percentage of the weight of oven-dry wood.



Parapet The part of any wall entirely above the roof.

Penetration An intentional opening through an assembly.

Ply A layer of roofing membrane. A four-ply membrane has at least four plies of felt

at any vertical cross section cut through the membrane.

Pressure Treatment A process for treatment of wood to provide greater durability against moisture.

PVC (Poly Vinyl Chloride) A thermoplastic sheet material used for single ply roofing membranes.

Rainscreen A wall designed to prevent rain penetration by providing a cavity between the

cladding and the backup wall and vents the wall to allow moisture drainage.

Reglet A groove in a wall or other vertical surface adjoining a roof surface for the

embedment of counter flashing.

Ridging An upward "testing" displacement of a roof membrane, frequently occurring over

insulation joints, deck joints, and base sheet edges.

Saddle The junction of small horizontal surfaces, such as the top of a balcony guardrail

or parapet wall, with a vertical surface, such as a wall.

Sealant Compound used to fill and seal joint or opening, contrasted to a sealer which is

a liquid used to seal a porous surface.

Sealed Unit Two or more sheets of glass separated by a spacer bar and hermetically sealed

for airtightness. Has a desiccant in between the sheets of glass to absorb and

hold any moisture to prevent condensation inside the unit.

Service Life (Expected)The actual period during which building envelope materials, components and

assemblies perform without unforeseen maintenance and renewal costs.

Sheathing Sheet material attached to the wall framing to provide structural backing for the

cladding and sheathing paper. Can be designed to provide structural lateral

stiffness for the wall.

Sheathing Membrane Sheet material in an exterior wall assembly used to retard penetration of water

further into the structure once past the cladding. Waterproof type sheathing membranes can also perform the function of the air barrier and the vapour barrier. These materials include both breather type sheathing membranes such as sheathing paper and housewraps, and waterproof sheathing membranes.

Sheathing Paper Asphalt-impregnated organic sheet material (breather-type sheathing

membrane) attached to the sheathing exterior which creates a water-shedding

surface.

Sill The horizontal member that forms the bottom of a window frame. It is generally

slanted down to the outside to shed standing water.

Single Ply Membrane Roofing membranes that are field applied using a pre-manufactured sheet of

single layer membrane material (either homogenous or composite) rather than

multiple layer.

Smooth-Surfaced Roof A built-up roofing membrane surfaced with a coating of hot asphalt, asphalt

emulsion or asphalt cutback.

Stepped FlashingThe material installed at the junction between a sloping roof and a wall running

parallel to the slope. Both base and counter flashing are overlapped and installed in pieces following the slope to form the complete stepped flashing.



Substantial Performance A stage that is reached when the work is ready for use or is being used for the

purpose intended as is so certified by the consultant

Substrate The surface upon which the roofing membrane is placed – structural deck or

insulation.

Threshold A strip fastened to the floor beneath a door, usually required to cover a joint

where two types of floor material meet; may provide weather protection at

exterior doors (also referred to as doorsill).

Through-wall Flashing A waterproof membrane or metal flashing that 1) allows water behind the

cladding to shed away from the building, 2) prevents water from entering the wall at joints, and 3) prevents capillary transfer of moisture though porous materials such as concrete or masonry if the moisture source is below grade.

Valley Flashing Flashing installed in the valleys of sloping shingled roofs to give continuity to

the roofing system.

Vapour Barrier A material with low vapour permeability that is located within the assembly to

control the flow of vapour and limit the potential for condensation due to

diffusion.

Vapour RetarderA material designed to restrict the passage of water vapour through a wall or

roof assembly.

Walkway A pedestrian corridor exposed to outdoors, which provides access between

suites and stairwells or elevators. It may also be a roof.

Weephole Opening at the base of a cavity wall to collect moisture and dispense it or

breather put in to sealant to relieve moisture.

Work The total construction and related services required by the Contract Documents

Acknowledgement is given to:

Canada Mortgage and Housing Corporation, "Best Practice Guide Wood Frame Envelopes in The Coastal Climate of British Columbia" 1st Edition, September 1998 as a basis for this glossary.

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Canadian Construction Documents Committee, "CCDC 2 – Definitions", 1994Dictionary of Architecture and Construction, Edited by Harris, Cyril M., McGraw Hill Inc., 1975