

Serving Colorado
1301 Arapahoe St. #302
Golden, CO 80401
(303) 394-9181
www.reservestudy.com



ASSOCIATION
RESERVES™

Planning For The Inevitable™

Regional Offices
Arizona
California
Colorado
Florida
Hawaii
Nevada
North Carolina
Texas
Washington

Update "With-Site-Visit" Reserve Study



Green Valley Ranch - North Sub District #4 Denver, CO

Report #: 35889-1
For Period Beginning: January 1, 2021
Expires: December 31, 2021

Date Prepared: December 2, 2020



Hello, and welcome to your Reserve Study!

This Report is a valuable budget planning tool, for with it you control the future of your association. It contains all the fundamental information needed to understand your current and future Reserve obligations, the most significant expenditures your association will face.

With respect to Reserves, this Report will tell you "where you are," and "where to go from here."

In this Report, you will find...

- 1) A List of What you're Reserving For**
- 2) An Evaluation of your Reserve Fund Size and Strength**
- 3) A Recommended Multi-Year Reserve Funding Plan**

More Questions?

Visit our website at www.ReserveStudy.com or call us at:

303-394-9181



Table of Contents

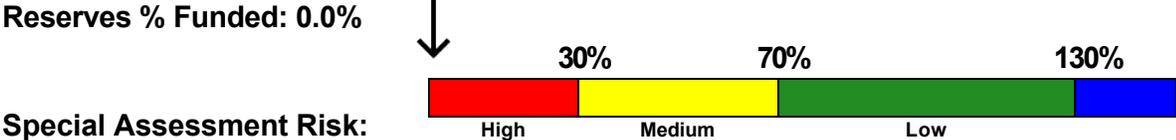
3-Minute Executive Summary	1
Reserve Study Summary	1
Executive Summary (Component List)	3
Introduction, Objectives, and Methodology	4
Which Physical Assets are Funded by Reserves?	5
How do we establish Useful Life and Remaining Useful Life estimates?	5
How do we establish Current Repair/Replacement Cost Estimates?	5
How much Reserves are enough?	6
How much should we contribute?	7
What is our Recommended Funding Goal?	7
Site Inspection Notes	8
Projected Expenses	9
Annual Reserve Expenses Graph	9
Reserve Fund Status & Recommended Funding Plan	10
Annual Reserve Funding Graph	10
30-Yr Cash Flow Graph	11
Percent Funded Graph	11
Table Descriptions	12
Reserve Component List Detail	13
Fully Funded Balance	14
Component Significance	15
30-Year Reserve Plan Summary	16
30-Year Income/Expense Detail	17
Accuracy, Limitations, and Disclosures	23
Terms and Definitions	24
Component Details	25
Sites & Grounds	26
Lodge Exteriors	31
Lodge Interiors	36
Mechanical	42
Sub #4 Amenities	45

3- Minute Executive Summary

Association: Green Valley Ranch - North **Assoc. #: 35889-1**
Sub District #4
Location: Denver, CO **# of Units: 1**
Report Period: January 1, 2021 through December 31, 2021

Findings/Recommendations as-of: January 1, 2021

Projected Starting Reserve Balance	\$0
Current Fully Funded Reserve Balance	\$30,957
Percent Funded	0.0 %
Recommended 2021 Monthly "Fully Funding" Contributions	\$2,950
Alternate/Baseline Monthly Minimum Contributions to Keep Reserves Above \$0	\$2,650
Recommended 2021 Special Assessments for Reserves	\$0
Most Recent Monthly Reserve Contribution Rate	\$0



Economic Assumptions:

Net Annual "After Tax" Interest Earnings Accruing to Reserves 1.25 %
Annual Inflation Rate 3.00 %

- This is a Update "With-Site-Visit" Reserve Study, based on a prior Reserve Study for your 2019 Fiscal Year. We performed the site inspection on 2/26/2020.
- The Reserve Study was prepared by a credentialed Reserve Specialist (RS #260).
- Your Reserve Fund is currently 0.0 % Funded. This means the client’s special assessment & deferred maintenance risk is currently High. The objective of your multi-year Funding Plan is to fund your Reserves to a level where you will enjoy a low risk of such Reserve cash flow problems.
- Based on this starting point and your anticipated future expenses, our recommendation is to budget the Monthly Reserve contributions at \$2,950 with 3% annual increases in order to be within the 70% to 130% level as noted above. 100% “Full” contribution rates are designed to achieve these funding objectives by the end of our 30-year report scope.
- The goal of the Reserve Study is to help the client offset inevitable annual deterioration of the common area components. Therefore, the Reserve Study will guide the client to establish an appropriate Reserve Contribution rate that offsets the annual deterioration of the components and 'keep pace' with the rate of ongoing deterioration.
- No assets appropriate for Reserve designation were excluded. See photo appendix for component details; the basis of our assumptions.
- We recommend that this Reserve Study be updated annually, with a With-Site-Visit Reserve Study every three years. Research has found that clients who update their Reserve Study annually with a No-Site-Visit Reserve Study reduce their risk of special assessment by ~ 35%.

#	Component	Useful Life (yrs)	Rem. Useful Life (yrs)	Current Average Cost
Sites & Grounds				
21130	Pavers - Replace - 5%	5	4	\$45,650
21190	Lodge Asphalt - Seal/Repair	4	3	\$1,800
21200	Lodge Asphalt - Resurface	25	24	\$6,300
21650	Lodge Street Lights - Replace	30	29	\$2,800
21670	Lodge Bollard Lights - Replace	30	29	\$5,600
21690	Lodge Site Furnishings - Replace	10	9	\$14,800
Lodge Exteriors				
2339	Stucco/EIFS - Seal/Paint	12	11	\$4,250
23430	Lodge Windows (All) - Replace	30	29	\$26,500
23450	Sliding Doors - Replace	40	39	\$4,100
23570	Roof: Composition Shingle - Replace	25	24	\$29,550
23650	Gutters/Downspouts - Replace	30	29	\$970
Lodge Interiors				
24010	Lodge Interior Surfaces - Repaint	10	9	\$2,950
24030	Interior Lights - Replace	25	24	\$900
24080	Carpeting - Replace	10	9	\$8,600
24110	Vinyl/Resilient Flooring - Replace	20	19	\$12,550
24150	Fitness Equipment (All) - Replace	10	9	\$66,100
24220	Furnishings and Décor - Update	10	9	\$13,700
24230	A/V Equipment – Update/Replace	10	9	\$2,500
24240	Kitchen - Remodel	30	29	\$16,900
24250	Kitchen Appliances - Replace	10	9	\$7,950
24280	Bathrooms - Remodel	20	19	\$8,000
24400	Drinking Fountain - Replace	20	19	\$1,200
Mechanical				
25200	Lodge HVAC - Replace	20	19	\$33,000
25330	Lodge Surveillance System—Upgrade	10	9	\$10,200
25460	Lodge Water Heater/Tank - Replace	15	14	\$2,500
Sub #4 Amenities				
26010	Lodge Bocce Turf – Replace	20	19	\$33,850
26150	Pickleball Court Fencing - Replace	30	29	\$12,450
27 Total Funded Components				

Note 1: Yellow highlighted line items are expected to require attention in this initial year.

Introduction



A Reserve Study is the art and science of anticipating, and preparing for, an association's major common area repair and replacement expenses. Partially art, because in this field we are making projections about the future. Partially science, because our work is a combination of research and well-defined computations, following consistent National Reserve Study Standard principles.

The foundation of this and every Reserve Study is your Reserve Component List (what you are reserving for). This is because the Reserve Component List defines the *scope and schedule* of all your anticipated upcoming Reserve projects. Based on that List and your starting balance, we calculate the association's Reserve Fund Strength (reported in terms of "Percent Funded"). Then we compute a Reserve Funding Plan to provide for the Reserve needs of the association. These form the three results of your Reserve Study.



Reserve contributions are not “for the future”. Reserve contributions are designed to offset the ongoing, daily deterioration of your Reserve assets. Done well, a stable, budgeted Reserve Funding Plan will collect sufficient funds from the owners who enjoyed the use of those assets, so the association is financially prepared for the irregular expenditures scattered through future years when those projects eventually require replacement.

Methodology



For this [Update With-Site-Visit Reserve Study](#), we started with a review of your prior Reserve Study, then looked into recent Reserve expenditures, evaluated how expenditures are handled (ongoing maintenance vs Reserves), and researched any well-established association precedents. We performed an on-site inspection to evaluate your common areas, updating and adjusting your Reserve Component List as appropriate.

Which Physical Assets are Funded by Reserves?

There is a national-standard four-part test to determine which expenses should appear in your Reserve Component List. First, it must be a common area maintenance responsibility. Second, the component must have a limited life. Third, the remaining life must be predictable (or it by definition is a *surprise* which cannot be accurately anticipated). Fourth, the component must be above a minimum threshold cost (often between .5% and 1% of an association's total budget). This limits Reserve



RESERVE COMPONENT "FOUR-PART TEST"

Components to major, predictable expenses. Within this framework, it is inappropriate to include *lifetime* components, unpredictable expenses (such as damage due to fire, flood, or earthquake), and expenses more appropriately handled from the Operational Budget or as an insured loss.

How do we establish Useful Life and Remaining Useful Life estimates?

- 1) Visual Inspection (observed wear and age)
- 2) Association Reserves database of experience
- 3) Client History (install dates & previous life cycle information)
- 4) Vendor Evaluation and Recommendation

How do we establish Current Repair/Replacement Cost Estimates?

In this order...

- 1) Actual client cost history, or current proposals
- 2) Comparison to Association Reserves database of work done at similar associations
- 3) Vendor Recommendations
- 4) Reliable National Industry cost estimating guidebooks

How much Reserves are enough?

Reserve adequacy is not measured in cash terms. Reserve adequacy is found when the *amount* of current Reserve cash is compared to Reserve component deterioration (the *needs of the association*). Having *enough* means the association can execute its projects in a timely manner with existing Reserve funds. Not having *enough* typically creates deferred maintenance or special assessments.

Adequacy is measured in a two-step process:

- 1) Calculate the *value of deterioration* at the association (called Fully Funded Balance, or FFB).
- 2) Compare that to the Reserve Fund Balance, and express as a percentage.



Each year, the *value of deterioration* at the association changes. When there is more deterioration (as components approach the time they need to be replaced), there should be more cash to offset that deterioration and prepare for the expenditure. Conversely, the *value of deterioration* shrinks after projects are accomplished. The *value of deterioration* (the FFB) changes each year, and is a moving but predictable target.

There is a high risk of special assessments and deferred maintenance when the Percent Funded is *weak*, below 30%. Approximately 30% of all associations are in this high risk range. While the 100% point is Ideal (indicating Reserve cash is equal to the *value of deterioration*), a Reserve Fund in the 70% - 130% range is considered strong (low risk of special assessment).

Measuring your Reserves by Percent Funded tells how well prepared your association is for upcoming Reserve expenses. New buyers should be very aware of this important disclosure!

How much should we contribute?



RESERVE FUNDING PRINCIPLES

According to National Reserve Study Standards, there are four Funding Principles to balance in developing your Reserve Funding Plan. Our first objective is to design a plan that provides you with sufficient cash to perform your Reserve projects on time. Second, a stable contribution is desirable because it keeps these naturally irregular expenses from unsettling the budget.

Reserve contributions that are evenly distributed over current and future owners enable each owner to pay their fair share of the association's Reserve expenses over the years. And finally, we develop a plan that is fiscally responsible and safe for Boardmembers to recommend to their association. Remember, it is the Board's job to provide for the ongoing care of the common areas. Boardmembers invite liability exposure when Reserve contributions are inadequate to offset ongoing common area deterioration.

What is our Recommended Funding Goal?

Maintaining the Reserve Fund at a level equal to the *value* of deterioration is called "Full Funding" (100% Funded). As each asset ages and becomes "used up," the Reserve Fund grows proportionally. **This is simple, responsible, and our recommendation.** Evidence shows that associations in the 70 - 130% range *enjoy a low risk of special assessments or deferred maintenance.*



FUNDING OBJECTIVES

Allowing the Reserves to fall close to zero, but not below zero, is called Baseline Funding. Doing so allows the Reserve Fund to drop into the 0 - 30% range, where there is a high risk of special assessments & deferred maintenance. Since Baseline Funding still provides for the timely execution of all Reserve projects, and only the "margin of safety" is different, Baseline Funding contributions average only 10% - 15% less than Full Funding contributions. Threshold Funding is the title of all other Cash or Percent Funded objectives *between* Baseline Funding and Full Funding.

Site Inspection Notes

During our site visit on 2/26/2020 we visually inspected the common area assets and were able to see a majority of the common areas.

Please see photo appendix for component details; the basis of our assumptions.



Projected Expenses

While this Reserve Study looks forward 30 years, we have no expectation that all these expenses will all take place as anticipated. This Reserve Study needs to be updated annually because we expect the timing of these expenses to shift and the size of these expenses to change. We do feel more certain of the timing and cost of near-term expenses than expenses many years away. Please be aware of your near-term expenses, which we are able to project more accurately than the more distant projections.

The figure below summarizes the projected future expenses as defined by your Reserve Component List. A summary of these expenses are shown in the 30-yr Summary Table, while details of the projects that make up these expenses are shown in the Cash Flow Detail Table.

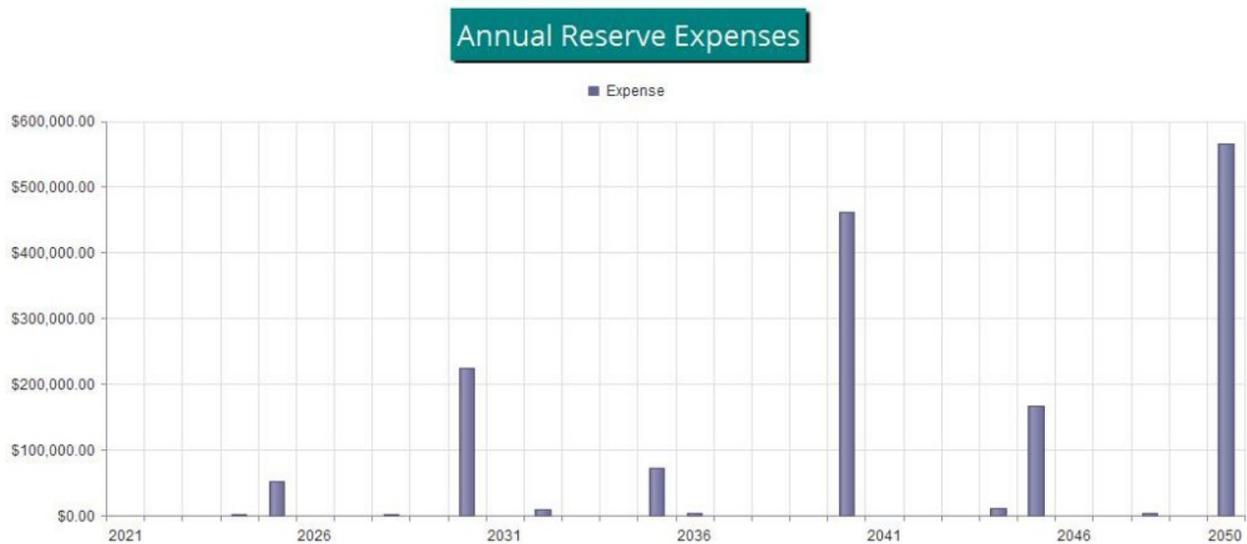


Figure 1

Reserve Fund Status

As of 1/1/2021 your Reserve Fund balance is projected to be \$0 and your Fully Funded Balance is computed to be \$30,957 (see the Fully Funded Balance Table). This figure represents the deteriorated value of your common area components. Comparing your Reserve Balance to your Fully Funded Balance indicates your Reserves are 0.0 % Funded.

Recommended Funding Plan

Based on your current Percent Funded and your near-term and long-term Reserve needs, we are recommending Monthly budgeted contributions of \$2,950. The overall 30-yr plan, in perspective, is shown below. This same information is shown numerically in both the 30-yr Summary Table and the Cash Flow Detail Table.

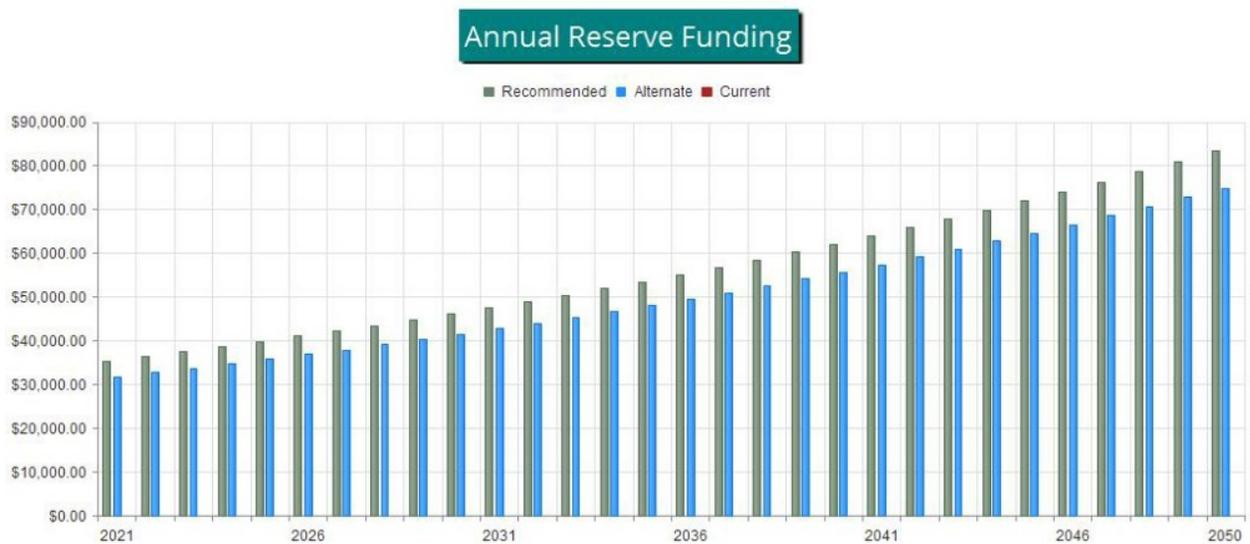


Figure 2

The following chart shows your Reserve balance under our recommended Full Funding Plan, an alternate Baseline Funding Plan, and at your current budgeted contribution rate, compared to your always-changing Fully Funded Balance target.

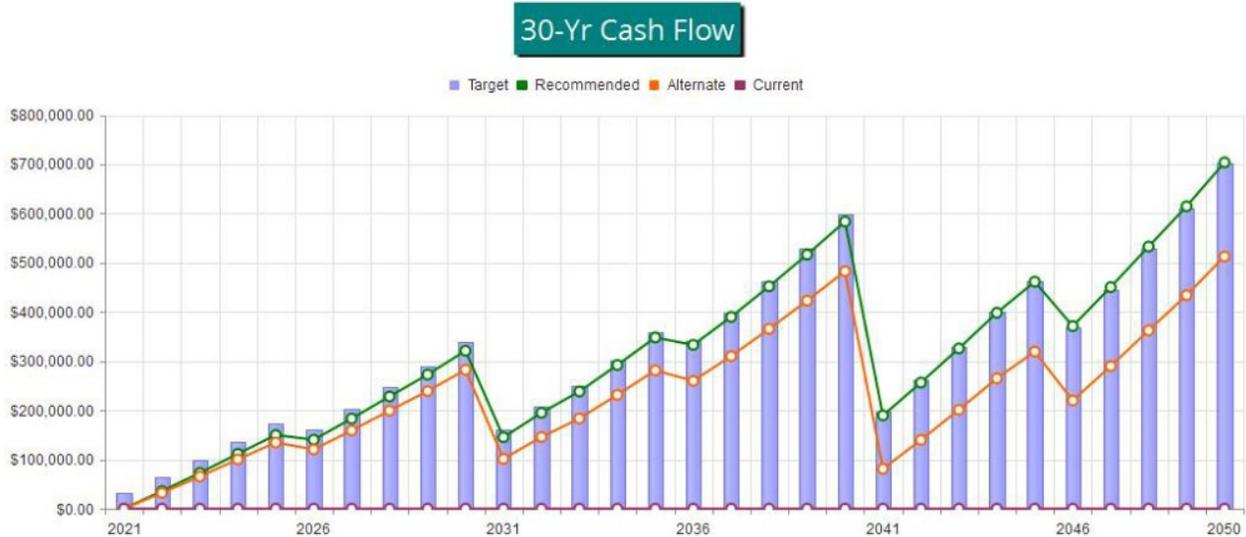


Figure 3

This figure shows the same information plotted on a Percent Funded scale. It is clear here to see how your Reserve Fund strength approaches the 100% Funded level under our recommended multi-yr Funding Plan.

A client that has a percent funded level of <30% may experience an ~ 20%-60% chance risk of special assessment. A client that is between 30% and 70% may experience an ~ 20%-5% chance risk of special assessment. A client that has a percent funded of >70% may experience an ~ <1% chance risk of special assessment.



Figure 4

Table Descriptions

Executive Summary is a summary of your Reserve Components

Reserve Component List Detail discloses key Component information, providing the foundation upon which the financial analysis is performed.

Fully Funded Balance shows the calculation of the Fully Funded Balance for each of your components, and their contributions to the property total. For each component, the Fully Funded Balance is the fraction of life used up multiplied by its estimated Current Replacement Cost.

Component Significance shows the relative significance of each component to Reserve funding needs of the property, helping you see which components have more (or less) influence than others on your total Reserve contribution rate. The deterioration cost/yr of each component is calculated by dividing the estimated Current Replacement Cost by its Useful Life, then that component's percentage of the total is displayed.

30-Yr Reserve Plan Summary provides a one-page 30-year summary of the cash flowing into and out of the Reserve Fund, with a display of the Fully Funded Balance, Percent Funded, and special assessment risk at the beginning of each year.

30-Year Income/Expense Detail shows the detailed income and expenses for each of the next 30 years. This table makes it possible to see which components are projected to require repair or replacement in a particular year, and the size of those individual expenses.

Reserve Component List Detail

35889-1
WSV

#	Component	Quantity	Useful Life	Rem. Useful Life	Current Cost Estimate	
					Best Case	Worst Case
Sites & Grounds						
21130	Pavers - Replace - 5%	5% of ~ 31500 GSF	5	4	\$34,600	\$56,700
21190	Lodge Asphalt - Seal/Repair	~ 3600 GSF	4	3	\$1,400	\$2,200
21200	Lodge Asphalt - Resurface	~ 3600 GSF	25	24	\$5,400	\$7,200
21650	Lodge Street Lights - Replace	~ (2) Fixtures	30	29	\$2,400	\$3,200
21670	Lodge Bollard Lights - Replace	~ (7) Fixtures	30	29	\$4,900	\$6,300
21690	Lodge Site Furnishings - Replace	~ (24) Pieces	10	9	\$12,000	\$17,600
Lodge Exteriors						
2339	Stucco/EIFS - Seal/Paint	~ 2800 GSF	12	11	\$3,000	\$5,500
23430	Lodge Windows (All) - Replace	~ (53) Windows	30	29	\$21,200	\$31,800
23450	Sliding Doors - Replace	~ (2) Doors	40	39	\$3,200	\$5,000
23570	Roof: Composition Shingle - Replace	~ 6600 GSF	25	24	\$26,300	\$32,800
23650	Gutters/Downspouts - Replace	~ 140 LF	30	29	\$840	\$1,100
Lodge Interiors						
24010	Lodge Interior Surfaces - Repaint	~ 1800 GSF	10	9	\$2,300	\$3,600
24030	Interior Lights - Replace	~ (4) Lights	25	24	\$800	\$1,000
24080	Carpeting - Replace	~ 110 GSY	10	9	\$7,800	\$9,400
24110	Vinyl/Resilient Flooring - Replace	~ 1900 GSF	20	19	\$10,600	\$14,500
24150	Fitness Equipment (All) - Replace	~ (13) Pieces	10	9	\$54,000	\$78,200
24220	Furnishings and Décor - Update	~ (34) Pieces	10	9	\$10,400	\$17,000
24230	A/V Equipment – Update/Replace	(2) Pieces	10	9	\$2,000	\$3,000
24240	Kitchen - Remodel	~ (1) Kitchen	30	29	\$15,300	\$18,500
24250	Kitchen Appliances - Replace	~ (4) Appliances	10	9	\$6,100	\$9,800
24280	Bathrooms - Remodel	~ (2) Bathrooms	20	19	\$6,000	\$10,000
24400	Drinking Fountain - Replace	(1) Unit	20	19	\$1,000	\$1,400
Mechanical						
25200	Lodge HVAC - Replace	~ (4) Units	20	19	\$28,000	\$38,000
25330	Lodge Surveillance System–Upgrade	~ (7) Cameras	10	9	\$8,500	\$11,900
25460	Lodge Water Heater/Tank - Replace	~ (1) Tank	15	14	\$2,000	\$3,000
Sub #4 Amenities						
26010	Lodge Bocce Turf – Replace	~ 1400 GSF	20	19	\$31,700	\$36,000
26150	Pickleball Court Fencing - Replace	~ 600 LF	30	29	\$11,100	\$13,800

27 Total Funded Components

#	Component	Current Cost Estimate	X	Effective Age	/	Useful Life	=	Fully Funded Balance
Sites & Grounds								
21130	Pavers - Replace - 5%	\$45,650	X	1	/	5	=	\$9,130
21190	Lodge Asphalt - Seal/Repair	\$1,800	X	1	/	4	=	\$450
21200	Lodge Asphalt - Resurface	\$6,300	X	1	/	25	=	\$252
21650	Lodge Street Lights - Replace	\$2,800	X	1	/	30	=	\$93
21670	Lodge Bollard Lights - Replace	\$5,600	X	1	/	30	=	\$187
21690	Lodge Site Furnishings - Replace	\$14,800	X	1	/	10	=	\$1,480
Lodge Exteriors								
2339	Stucco/EIFS - Seal/Paint	\$4,250	X	1	/	12	=	\$354
23430	Lodge Windows (All) - Replace	\$26,500	X	1	/	30	=	\$883
23450	Sliding Doors - Replace	\$4,100	X	1	/	40	=	\$103
23570	Roof: Composition Shingle - Replace	\$29,550	X	1	/	25	=	\$1,182
23650	Gutters/Downspouts - Replace	\$970	X	1	/	30	=	\$32
Lodge Interiors								
24010	Lodge Interior Surfaces - Repaint	\$2,950	X	1	/	10	=	\$295
24030	Interior Lights - Replace	\$900	X	1	/	25	=	\$36
24080	Carpeting - Replace	\$8,600	X	1	/	10	=	\$860
24110	Vinyl/Resilient Flooring - Replace	\$12,550	X	1	/	20	=	\$628
24150	Fitness Equipment (All) - Replace	\$66,100	X	1	/	10	=	\$6,610
24220	Furnishings and Décor - Update	\$13,700	X	1	/	10	=	\$1,370
24230	A/V Equipment - Update/Replace	\$2,500	X	1	/	10	=	\$250
24240	Kitchen - Remodel	\$16,900	X	1	/	30	=	\$563
24250	Kitchen Appliances - Replace	\$7,950	X	1	/	10	=	\$795
24280	Bathrooms - Remodel	\$8,000	X	1	/	20	=	\$400
24400	Drinking Fountain - Replace	\$1,200	X	1	/	20	=	\$60
Mechanical								
25200	Lodge HVAC - Replace	\$33,000	X	1	/	20	=	\$1,650
25330	Lodge Surveillance System-Upgrade	\$10,200	X	1	/	10	=	\$1,020
25460	Lodge Water Heater/Tank - Replace	\$2,500	X	1	/	15	=	\$167
Sub #4 Amenities								
26010	Lodge Bocce Turf - Replace	\$33,850	X	1	/	20	=	\$1,693
26150	Pickleball Court Fencing - Replace	\$12,450	X	1	/	30	=	\$415
								\$30,957

Component Significance

35889-1
WSV

#	Component	Useful Life (yrs)	Current Cost Estimate	Deterioration Cost/Yr	Deterioration Significance
Sites & Grounds					
21130	Pavers - Replace - 5%	5	\$45,650	\$9,130	29.49 %
21190	Lodge Asphalt - Seal/Repair	4	\$1,800	\$450	1.45 %
21200	Lodge Asphalt - Resurface	25	\$6,300	\$252	0.81 %
21650	Lodge Street Lights - Replace	30	\$2,800	\$93	0.30 %
21670	Lodge Bollard Lights - Replace	30	\$5,600	\$187	0.60 %
21690	Lodge Site Furnishings - Replace	10	\$14,800	\$1,480	4.78 %
Lodge Exteriors					
2339	Stucco/EIFS - Seal/Paint	12	\$4,250	\$354	1.14 %
23430	Lodge Windows (All) - Replace	30	\$26,500	\$883	2.85 %
23450	Sliding Doors - Replace	40	\$4,100	\$103	0.33 %
23570	Roof: Composition Shingle - Replace	25	\$29,550	\$1,182	3.82 %
23650	Gutters/Downspouts - Replace	30	\$970	\$32	0.10 %
Lodge Interiors					
24010	Lodge Interior Surfaces - Repaint	10	\$2,950	\$295	0.95 %
24030	Interior Lights - Replace	25	\$900	\$36	0.12 %
24080	Carpeting - Replace	10	\$8,600	\$860	2.78 %
24110	Vinyl/Resilient Flooring - Replace	20	\$12,550	\$628	2.03 %
24150	Fitness Equipment (All) - Replace	10	\$66,100	\$6,610	21.35 %
24220	Furnishings and Décor - Update	10	\$13,700	\$1,370	4.43 %
24230	A/V Equipment – Update/Replace	10	\$2,500	\$250	0.81 %
24240	Kitchen - Remodel	30	\$16,900	\$563	1.82 %
24250	Kitchen Appliances - Replace	10	\$7,950	\$795	2.57 %
24280	Bathrooms - Remodel	20	\$8,000	\$400	1.29 %
24400	Drinking Fountain - Replace	20	\$1,200	\$60	0.19 %
Mechanical					
25200	Lodge HVAC - Replace	20	\$33,000	\$1,650	5.33 %
25330	Lodge Surveillance System–Upgrade	10	\$10,200	\$1,020	3.29 %
25460	Lodge Water Heater/Tank - Replace	15	\$2,500	\$167	0.54 %
Sub #4 Amenities					
26010	Lodge Bocce Turf – Replace	20	\$33,850	\$1,693	5.47 %
26150	Pickleball Court Fencing - Replace	30	\$12,450	\$415	1.34 %
27	Total Funded Components			\$30,957	100.00 %

30-Year Reserve Plan Summary

35889-1
WSV

Fiscal Year Start: 2021

Interest:

1.25 %

Inflation:

3.00 %

Reserve Fund Strength Calculations: (All values of Fiscal Year Start Date)

Projected Reserve Balance Changes

Year	Starting Reserve Balance	Fully Funded Balance	Percent Funded	Special Assmt Risk	% Increase		Loan or Special Assmts	Interest Income	Reserve Expenses
					In Annual Reserve Contribs.	Reserve Contribs.			
2021	\$0	\$30,957	0.0 %	High	0.00 %	\$35,400	\$0	\$223	\$0
2022	\$35,623	\$63,772	55.9 %	Medium	3.00 %	\$36,462	\$0	\$677	\$0
2023	\$72,762	\$98,528	73.8 %	Low	3.00 %	\$37,556	\$0	\$1,151	\$0
2024	\$111,468	\$135,312	82.4 %	Low	3.00 %	\$38,683	\$0	\$1,632	\$1,967
2025	\$149,816	\$172,188	87.0 %	Low	3.00 %	\$39,843	\$0	\$1,811	\$51,379
2026	\$140,091	\$160,321	87.4 %	Low	3.00 %	\$41,038	\$0	\$2,019	\$0
2027	\$183,148	\$202,095	90.6 %	Low	3.00 %	\$42,269	\$0	\$2,568	\$0
2028	\$227,986	\$246,231	92.6 %	Low	3.00 %	\$43,538	\$0	\$3,126	\$2,214
2029	\$272,435	\$290,554	93.8 %	Low	3.00 %	\$44,844	\$0	\$3,707	\$0
2030	\$320,986	\$339,663	94.5 %	Low	3.00 %	\$46,189	\$0	\$2,911	\$225,008
2031	\$145,078	\$159,698	90.8 %	Low	3.00 %	\$47,575	\$0	\$2,123	\$0
2032	\$194,776	\$207,342	93.9 %	Low	3.00 %	\$49,002	\$0	\$2,704	\$8,375
2033	\$238,107	\$249,074	95.6 %	Low	3.00 %	\$50,472	\$0	\$3,311	\$0
2034	\$291,890	\$302,008	96.6 %	Low	3.00 %	\$51,986	\$0	\$3,996	\$0
2035	\$347,872	\$357,894	97.2 %	Low	3.00 %	\$53,546	\$0	\$4,252	\$72,831
2036	\$332,839	\$341,845	97.4 %	Low	3.00 %	\$55,152	\$0	\$4,513	\$2,804
2037	\$389,700	\$398,889	97.7 %	Low	3.00 %	\$56,807	\$0	\$5,256	\$0
2038	\$451,763	\$462,024	97.8 %	Low	3.00 %	\$58,511	\$0	\$6,047	\$0
2039	\$516,321	\$528,587	97.7 %	Low	3.00 %	\$60,266	\$0	\$6,870	\$0
2040	\$583,457	\$598,729	97.4 %	Low	3.00 %	\$62,074	\$0	\$4,828	\$460,909
2041	\$189,450	\$197,867	95.7 %	Low	3.00 %	\$63,936	\$0	\$2,784	\$0
2042	\$256,170	\$261,392	98.0 %	Low	3.00 %	\$65,854	\$0	\$3,634	\$0
2043	\$325,659	\$328,552	99.1 %	Low	3.00 %	\$67,830	\$0	\$4,521	\$0
2044	\$398,010	\$399,505	99.6 %	Low	3.00 %	\$69,865	\$0	\$5,368	\$11,940
2045	\$461,302	\$462,122	99.8 %	Low	3.00 %	\$71,961	\$0	\$5,199	\$167,502
2046	\$370,960	\$368,276	100.7 %	Low	3.00 %	\$74,120	\$0	\$5,130	\$0
2047	\$450,209	\$446,087	100.9 %	Low	3.00 %	\$76,343	\$0	\$6,140	\$0
2048	\$532,692	\$528,234	100.8 %	Low	3.00 %	\$78,634	\$0	\$7,166	\$3,998
2049	\$614,494	\$610,791	100.6 %	Low	3.00 %	\$80,993	\$0	\$8,234	\$0
2050	\$703,721	\$702,068	100.2 %	Low	3.00 %	\$83,422	\$0	\$5,814	\$565,976

30-Year Income/Expense Detail

35889-1
WSV

Fiscal Year	2021	2022	2023	2024	2025
Starting Reserve Balance	\$0	\$35,623	\$72,762	\$111,468	\$149,816
Annual Reserve Contribution	\$35,400	\$36,462	\$37,556	\$38,683	\$39,843
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$223	\$677	\$1,151	\$1,632	\$1,811
Total Income	\$35,623	\$72,762	\$111,468	\$151,783	\$191,470
# Component					
Sites & Grounds					
21130 Pavers - Replace - 5%	\$0	\$0	\$0	\$0	\$51,379
21190 Lodge Asphalt - Seal/Repair	\$0	\$0	\$0	\$1,967	\$0
21200 Lodge Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
21650 Lodge Street Lights - Replace	\$0	\$0	\$0	\$0	\$0
21670 Lodge Bollard Lights - Replace	\$0	\$0	\$0	\$0	\$0
21690 Lodge Site Furnishings - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Exteriors					
2339 Stucco/EIFS - Seal/Paint	\$0	\$0	\$0	\$0	\$0
23430 Lodge Windows (All) - Replace	\$0	\$0	\$0	\$0	\$0
23450 Sliding Doors - Replace	\$0	\$0	\$0	\$0	\$0
23570 Roof: Composition Shingle - Replace	\$0	\$0	\$0	\$0	\$0
23650 Gutters/Downspouts - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Interiors					
24010 Lodge Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
24030 Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
24080 Carpeting - Replace	\$0	\$0	\$0	\$0	\$0
24110 Vinyl/Resilient Flooring - Replace	\$0	\$0	\$0	\$0	\$0
24150 Fitness Equipment (All) - Replace	\$0	\$0	\$0	\$0	\$0
24220 Furnishings and Décor - Update	\$0	\$0	\$0	\$0	\$0
24230 A/V Equipment – Update/Replace	\$0	\$0	\$0	\$0	\$0
24240 Kitchen - Remodel	\$0	\$0	\$0	\$0	\$0
24250 Kitchen Appliances - Replace	\$0	\$0	\$0	\$0	\$0
24280 Bathrooms - Remodel	\$0	\$0	\$0	\$0	\$0
24400 Drinking Fountain - Replace	\$0	\$0	\$0	\$0	\$0
Mechanical					
25200 Lodge HVAC - Replace	\$0	\$0	\$0	\$0	\$0
25330 Lodge Surveillance System–Upgrade	\$0	\$0	\$0	\$0	\$0
25460 Lodge Water Heater/Tank - Replace	\$0	\$0	\$0	\$0	\$0
Sub #4 Amenities					
26010 Lodge Bocce Turf – Replace	\$0	\$0	\$0	\$0	\$0
26150 Pickleball Court Fencing - Replace	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$0	\$0	\$0	\$1,967	\$51,379
Ending Reserve Balance	\$35,623	\$72,762	\$111,468	\$149,816	\$140,091

Fiscal Year	2026	2027	2028	2029	2030
Starting Reserve Balance	\$140,091	\$183,148	\$227,986	\$272,435	\$320,986
Annual Reserve Contribution	\$41,038	\$42,269	\$43,538	\$44,844	\$46,189
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$2,019	\$2,568	\$3,126	\$3,707	\$2,911
Total Income	\$183,148	\$227,986	\$274,649	\$320,986	\$370,086
# Component					
Sites & Grounds					
21130 Pavers - Replace - 5%	\$0	\$0	\$0	\$0	\$59,563
21190 Lodge Asphalt - Seal/Repair	\$0	\$0	\$2,214	\$0	\$0
21200 Lodge Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
21650 Lodge Street Lights - Replace	\$0	\$0	\$0	\$0	\$0
21670 Lodge Bollard Lights - Replace	\$0	\$0	\$0	\$0	\$0
21690 Lodge Site Furnishings - Replace	\$0	\$0	\$0	\$0	\$19,311
Lodge Exteriors					
2339 Stucco/EIFS - Seal/Paint	\$0	\$0	\$0	\$0	\$0
23430 Lodge Windows (All) - Replace	\$0	\$0	\$0	\$0	\$0
23450 Sliding Doors - Replace	\$0	\$0	\$0	\$0	\$0
23570 Roof: Composition Shingle - Replace	\$0	\$0	\$0	\$0	\$0
23650 Gutters/Downspouts - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Interiors					
24010 Lodge Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$3,849
24030 Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
24080 Carpeting - Replace	\$0	\$0	\$0	\$0	\$11,221
24110 Vinyl/Resilient Flooring - Replace	\$0	\$0	\$0	\$0	\$0
24150 Fitness Equipment (All) - Replace	\$0	\$0	\$0	\$0	\$86,246
24220 Furnishings and Décor - Update	\$0	\$0	\$0	\$0	\$17,875
24230 A/V Equipment – Update/Replace	\$0	\$0	\$0	\$0	\$3,262
24240 Kitchen - Remodel	\$0	\$0	\$0	\$0	\$0
24250 Kitchen Appliances - Replace	\$0	\$0	\$0	\$0	\$10,373
24280 Bathrooms - Remodel	\$0	\$0	\$0	\$0	\$0
24400 Drinking Fountain - Replace	\$0	\$0	\$0	\$0	\$0
Mechanical					
25200 Lodge HVAC - Replace	\$0	\$0	\$0	\$0	\$0
25330 Lodge Surveillance System–Upgrade	\$0	\$0	\$0	\$0	\$13,309
25460 Lodge Water Heater/Tank - Replace	\$0	\$0	\$0	\$0	\$0
Sub #4 Amenities					
26010 Lodge Bocce Turf – Replace	\$0	\$0	\$0	\$0	\$0
26150 Pickleball Court Fencing - Replace	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$0	\$0	\$2,214	\$0	\$225,008
Ending Reserve Balance	\$183,148	\$227,986	\$272,435	\$320,986	\$145,078

Fiscal Year	2031	2032	2033	2034	2035
Starting Reserve Balance	\$145,078	\$194,776	\$238,107	\$291,890	\$347,872
Annual Reserve Contribution	\$47,575	\$49,002	\$50,472	\$51,986	\$53,546
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$2,123	\$2,704	\$3,311	\$3,996	\$4,252
Total Income	\$194,776	\$246,482	\$291,890	\$347,872	\$405,670
# Component					
Sites & Grounds					
21130 Pavers - Replace - 5%	\$0	\$0	\$0	\$0	\$69,050
21190 Lodge Asphalt - Seal/Repair	\$0	\$2,492	\$0	\$0	\$0
21200 Lodge Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
21650 Lodge Street Lights - Replace	\$0	\$0	\$0	\$0	\$0
21670 Lodge Bollard Lights - Replace	\$0	\$0	\$0	\$0	\$0
21690 Lodge Site Furnishings - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Exteriors					
2339 Stucco/EIFS - Seal/Paint	\$0	\$5,883	\$0	\$0	\$0
23430 Lodge Windows (All) - Replace	\$0	\$0	\$0	\$0	\$0
23450 Sliding Doors - Replace	\$0	\$0	\$0	\$0	\$0
23570 Roof: Composition Shingle - Replace	\$0	\$0	\$0	\$0	\$0
23650 Gutters/Downspouts - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Interiors					
24010 Lodge Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
24030 Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
24080 Carpeting - Replace	\$0	\$0	\$0	\$0	\$0
24110 Vinyl/Resilient Flooring - Replace	\$0	\$0	\$0	\$0	\$0
24150 Fitness Equipment (All) - Replace	\$0	\$0	\$0	\$0	\$0
24220 Furnishings and Décor - Update	\$0	\$0	\$0	\$0	\$0
24230 A/V Equipment – Update/Replace	\$0	\$0	\$0	\$0	\$0
24240 Kitchen - Remodel	\$0	\$0	\$0	\$0	\$0
24250 Kitchen Appliances - Replace	\$0	\$0	\$0	\$0	\$0
24280 Bathrooms - Remodel	\$0	\$0	\$0	\$0	\$0
24400 Drinking Fountain - Replace	\$0	\$0	\$0	\$0	\$0
Mechanical					
25200 Lodge HVAC - Replace	\$0	\$0	\$0	\$0	\$0
25330 Lodge Surveillance System–Upgrade	\$0	\$0	\$0	\$0	\$0
25460 Lodge Water Heater/Tank - Replace	\$0	\$0	\$0	\$0	\$3,781
Sub #4 Amenities					
26010 Lodge Bocce Turf – Replace	\$0	\$0	\$0	\$0	\$0
26150 Pickleball Court Fencing - Replace	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$0	\$8,375	\$0	\$0	\$72,831
Ending Reserve Balance	\$194,776	\$238,107	\$291,890	\$347,872	\$332,839

Fiscal Year	2036	2037	2038	2039	2040
Starting Reserve Balance	\$332,839	\$389,700	\$451,763	\$516,321	\$583,457
Annual Reserve Contribution	\$55,152	\$56,807	\$58,511	\$60,266	\$62,074
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$4,513	\$5,256	\$6,047	\$6,870	\$4,828
Total Income	\$392,504	\$451,763	\$516,321	\$583,457	\$650,359
# Component					
Sites & Grounds					
21130 Pavers - Replace - 5%	\$0	\$0	\$0	\$0	\$80,048
21190 Lodge Asphalt - Seal/Repair	\$2,804	\$0	\$0	\$0	\$3,156
21200 Lodge Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
21650 Lodge Street Lights - Replace	\$0	\$0	\$0	\$0	\$0
21670 Lodge Bollard Lights - Replace	\$0	\$0	\$0	\$0	\$0
21690 Lodge Site Furnishings - Replace	\$0	\$0	\$0	\$0	\$25,952
Lodge Exteriors					
2339 Stucco/EIFS - Seal/Paint	\$0	\$0	\$0	\$0	\$0
23430 Lodge Windows (All) - Replace	\$0	\$0	\$0	\$0	\$0
23450 Sliding Doors - Replace	\$0	\$0	\$0	\$0	\$0
23570 Roof: Composition Shingle - Replace	\$0	\$0	\$0	\$0	\$0
23650 Gutters/Downspouts - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Interiors					
24010 Lodge Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$5,173
24030 Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
24080 Carpeting - Replace	\$0	\$0	\$0	\$0	\$15,080
24110 Vinyl/Resilient Flooring - Replace	\$0	\$0	\$0	\$0	\$22,007
24150 Fitness Equipment (All) - Replace	\$0	\$0	\$0	\$0	\$115,907
24220 Furnishings and Décor - Update	\$0	\$0	\$0	\$0	\$24,023
24230 A/V Equipment – Update/Replace	\$0	\$0	\$0	\$0	\$4,384
24240 Kitchen - Remodel	\$0	\$0	\$0	\$0	\$0
24250 Kitchen Appliances - Replace	\$0	\$0	\$0	\$0	\$13,940
24280 Bathrooms - Remodel	\$0	\$0	\$0	\$0	\$14,028
24400 Drinking Fountain - Replace	\$0	\$0	\$0	\$0	\$2,104
Mechanical					
25200 Lodge HVAC - Replace	\$0	\$0	\$0	\$0	\$57,866
25330 Lodge Surveillance System–Upgrade	\$0	\$0	\$0	\$0	\$17,886
25460 Lodge Water Heater/Tank - Replace	\$0	\$0	\$0	\$0	\$0
Sub #4 Amenities					
26010 Lodge Bocce Turf – Replace	\$0	\$0	\$0	\$0	\$59,356
26150 Pickleball Court Fencing - Replace	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$2,804	\$0	\$0	\$0	\$460,909
Ending Reserve Balance	\$389,700	\$451,763	\$516,321	\$583,457	\$189,450

Fiscal Year	2041	2042	2043	2044	2045
Starting Reserve Balance	\$189,450	\$256,170	\$325,659	\$398,010	\$461,302
Annual Reserve Contribution	\$63,936	\$65,854	\$67,830	\$69,865	\$71,961
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$2,784	\$3,634	\$4,521	\$5,368	\$5,199
Total Income	\$256,170	\$325,659	\$398,010	\$473,243	\$538,462
# Component					
Sites & Grounds					
21130 Pavers - Replace - 5%	\$0	\$0	\$0	\$0	\$92,797
21190 Lodge Asphalt - Seal/Repair	\$0	\$0	\$0	\$3,552	\$0
21200 Lodge Asphalt - Resurface	\$0	\$0	\$0	\$0	\$12,807
21650 Lodge Street Lights - Replace	\$0	\$0	\$0	\$0	\$0
21670 Lodge Bollard Lights - Replace	\$0	\$0	\$0	\$0	\$0
21690 Lodge Site Furnishings - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Exteriors					
2339 Stucco/EIFS - Seal/Paint	\$0	\$0	\$0	\$8,388	\$0
23430 Lodge Windows (All) - Replace	\$0	\$0	\$0	\$0	\$0
23450 Sliding Doors - Replace	\$0	\$0	\$0	\$0	\$0
23570 Roof: Composition Shingle - Replace	\$0	\$0	\$0	\$0	\$60,069
23650 Gutters/Downspouts - Replace	\$0	\$0	\$0	\$0	\$0
Lodge Interiors					
24010 Lodge Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
24030 Interior Lights - Replace	\$0	\$0	\$0	\$0	\$1,830
24080 Carpeting - Replace	\$0	\$0	\$0	\$0	\$0
24110 Vinyl/Resilient Flooring - Replace	\$0	\$0	\$0	\$0	\$0
24150 Fitness Equipment (All) - Replace	\$0	\$0	\$0	\$0	\$0
24220 Furnishings and Décor - Update	\$0	\$0	\$0	\$0	\$0
24230 A/V Equipment – Update/Replace	\$0	\$0	\$0	\$0	\$0
24240 Kitchen - Remodel	\$0	\$0	\$0	\$0	\$0
24250 Kitchen Appliances - Replace	\$0	\$0	\$0	\$0	\$0
24280 Bathrooms - Remodel	\$0	\$0	\$0	\$0	\$0
24400 Drinking Fountain - Replace	\$0	\$0	\$0	\$0	\$0
Mechanical					
25200 Lodge HVAC - Replace	\$0	\$0	\$0	\$0	\$0
25330 Lodge Surveillance System–Upgrade	\$0	\$0	\$0	\$0	\$0
25460 Lodge Water Heater/Tank - Replace	\$0	\$0	\$0	\$0	\$0
Sub #4 Amenities					
26010 Lodge Bocce Turf – Replace	\$0	\$0	\$0	\$0	\$0
26150 Pickleball Court Fencing - Replace	\$0	\$0	\$0	\$0	\$0
Total Expenses	\$0	\$0	\$0	\$11,940	\$167,502
Ending Reserve Balance	\$256,170	\$325,659	\$398,010	\$461,302	\$370,960

Fiscal Year	2046	2047	2048	2049	2050
Starting Reserve Balance	\$370,960	\$450,209	\$532,692	\$614,494	\$703,721
Annual Reserve Contribution	\$74,120	\$76,343	\$78,634	\$80,993	\$83,422
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$5,130	\$6,140	\$7,166	\$8,234	\$5,814
Total Income	\$450,209	\$532,692	\$618,492	\$703,721	\$792,957
# Component					
Sites & Grounds					
21130 Pavers - Replace - 5%	\$0	\$0	\$0	\$0	\$107,577
21190 Lodge Asphalt - Seal/Repair	\$0	\$0	\$3,998	\$0	\$0
21200 Lodge Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
21650 Lodge Street Lights - Replace	\$0	\$0	\$0	\$0	\$6,598
21670 Lodge Bollard Lights - Replace	\$0	\$0	\$0	\$0	\$13,197
21690 Lodge Site Furnishings - Replace	\$0	\$0	\$0	\$0	\$34,877
Lodge Exteriors					
2339 Stucco/EIFS - Seal/Paint	\$0	\$0	\$0	\$0	\$0
23430 Lodge Windows (All) - Replace	\$0	\$0	\$0	\$0	\$62,449
23450 Sliding Doors - Replace	\$0	\$0	\$0	\$0	\$0
23570 Roof: Composition Shingle - Replace	\$0	\$0	\$0	\$0	\$0
23650 Gutters/Downspouts - Replace	\$0	\$0	\$0	\$0	\$2,286
Lodge Interiors					
24010 Lodge Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$6,952
24030 Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
24080 Carpeting - Replace	\$0	\$0	\$0	\$0	\$20,266
24110 Vinyl/Resilient Flooring - Replace	\$0	\$0	\$0	\$0	\$0
24150 Fitness Equipment (All) - Replace	\$0	\$0	\$0	\$0	\$155,769
24220 Furnishings and Décor - Update	\$0	\$0	\$0	\$0	\$32,285
24230 A/V Equipment – Update/Replace	\$0	\$0	\$0	\$0	\$5,891
24240 Kitchen - Remodel	\$0	\$0	\$0	\$0	\$39,826
24250 Kitchen Appliances - Replace	\$0	\$0	\$0	\$0	\$18,735
24280 Bathrooms - Remodel	\$0	\$0	\$0	\$0	\$0
24400 Drinking Fountain - Replace	\$0	\$0	\$0	\$0	\$0
Mechanical					
25200 Lodge HVAC - Replace	\$0	\$0	\$0	\$0	\$0
25330 Lodge Surveillance System–Upgrade	\$0	\$0	\$0	\$0	\$24,037
25460 Lodge Water Heater/Tank - Replace	\$0	\$0	\$0	\$0	\$5,891
Sub #4 Amenities					
26010 Lodge Bocce Turf – Replace	\$0	\$0	\$0	\$0	\$0
26150 Pickleball Court Fencing - Replace	\$0	\$0	\$0	\$0	\$29,339
Total Expenses	\$0	\$0	\$3,998	\$0	\$565,976
Ending Reserve Balance	\$450,209	\$532,692	\$614,494	\$703,721	\$226,981

Accuracy, Limitations, and Disclosures

Association Reserves and its employees have no ownership, management, or other business relationships with the client other than this Reserve Study engagement. Bryan Farley, R.S., president of the Colorado LLC, is a credentialed Reserve Specialist (#260). All work done by Association Reserves is performed under his Responsible Charge and is performed in accordance with National Reserve Study Standards (NRSS). There are no material issues to our knowledge that have not been disclosed to the client that would cause a distortion of the client's situation.

Per NRSS, information provided by official representative(s) of the client, vendors, and suppliers regarding financial details, component physical details and/or quantities, or historical issues/conditions will be deemed reliable, and is not intended to be used for the purpose of any type of audit, quality/forensic analysis, or background checks of historical records. As such, information provided to us has not been audited or independently verified.

Estimates for interest and inflation have been included, because including such estimates are more accurate than ignoring them completely. When we are hired to prepare Update reports, the client is considered to have deemed those previously developed component quantities as accurate and reliable, whether established by our firm or other individuals/firms (unless specifically mentioned in our Site Inspection Notes). During inspections our company standard is to establish measurements within 5% accuracy, and our scope includes visual inspection of accessible areas and components and does not include any destructive or other testing. Our work is done only for budget purposes. Uses or expectations outside our expertise and scope of work include, but are not limited to, project audit, quality inspection, and the identification of construction defects, hazardous materials, or dangerous conditions. Identifying hidden issues such as but not limited to plumbing or electrical problems are also outside our scope of work. Our estimates assume proper original installation & construction, adherence to recommended preventive maintenance, a stable economic environment, and do not consider frequency or severity of natural disasters. Our opinions of component Useful Life, Remaining Useful Life, and current or future cost estimates are not a warranty or guarantee of actual costs or timing.

Because the physical and financial status of the property, legislation, the economy, weather, owner expectations, and usage are all in a continual state of change over which we have no control, we do not expect that the events projected in this document will all occur exactly as planned. This Reserve Study is by nature a "one-year" document in need of being updated annually so that more accurate estimates can be incorporated. It is only because a long-term perspective improves the accuracy of near-term planning that this Report projects expenses into the future. We fully expect a number of adjustments will be necessary through the interim years to the cost and timing of expense projections and the funding necessary to prepare for those estimated expenses.

Terms and Definitions

BTU	British Thermal Unit (a standard unit of energy)
DIA	Diameter
GSF	Gross Square Feet (area). Equivalent to Square Feet
GSY	Gross Square Yards (area). Equivalent to Square Yards
HP	Horsepower
LF	Linear Feet (length)
Effective Age	The difference between Useful Life and Remaining Useful Life. Note that this is not necessarily equivalent to the chronological age of the component.
Fully Funded Balance (FFB)	The value of the deterioration of the Reserve Components. This is the fraction of life "used up" of each component multiplied by its estimated Current Replacement. While calculated for each component, it is summed together for an association total.
Inflation	Cost factors are adjusted for inflation at the rate defined in the Executive Summary and compounded annually. These increasing costs can be seen as you follow the recurring cycles of a component on the "30-yr Income/Expense Detail" table.
Interest	Interest earnings on Reserve Funds are calculated using the average balance for the year (taking into account income and expenses through the year) and compounded monthly using the rate defined in the Executive Summary. Annual interest earning assumption appears in the Executive Summary.
Percent Funded	The ratio, at a particular point in time (the first day of the Fiscal Year), of the actual (or projected) Reserve Balance to the Fully Funded Balance, expressed as a percentage.
Remaining Useful Life (RUL)	The estimated time, in years, that a common area component can be expected to continue to serve its intended function.
Useful Life (UL)	The estimated time, in years, that a common area component can be expected to serve its intended function.

Component Details

The primary purpose of the photographic appendix is to provide the reader with the basis of our funding assumptions resulting from our physical analysis and subsequent research. The photographs herein represent a wide range of elements that were observed and measured against National Reserve Study Standards to determine if they meet the criteria for reserve funding:

- 1) Common are maintenance, repair & replacement reasonability
- 2) Components must have a limited life
- 3) Life limit must be predictable
- 4) Above a minimum threshold cost (board's discretion – typically ½ to 1% of annual operating expenses).

Some components are recommended for reserve funding, while others are not. The components that meet these criteria in our judgment are shown with corresponding maintenance, repair or replacement cycles to the left of the photo (UL = Useful Life or how often the project is expected to occur, RUL = Remaining Useful Life or how many years from our reporting period) and a representative market cost range termed “Best Cost” and “Worst Cost” below the photo. There are many factors that can result in a wide variety of potential cost; we are attempting to represent a market average for budget purposes. Where there is no UL, the component is expected to be a one-time expense. Where no pricing, the component deemed inappropriate for Reserve Funding.

Sites & Grounds

Comp #: 21130 Pavers - Replace - 5%

Quantity: 5% of ~ 31500 GSF

Location: Common Areas

Funded?: Yes.

History:

Comments: Paver sections determined to be in good condition typically exhibit an even and positively sloped surface. No obvious trip hazards or significant cracking or damage. Good aesthetic appeal. As routine maintenance the paver system should be inspected to identify any physical issues such as lifting cracking and excessive surface wear. At long intervals sunlight weather and vehicle traffic can degrade the condition of the material requiring replacement for structural and/or aesthetic reasons. Schedule shown here may be updated based on the aesthetic preferences of the client and standards in the local area. In general we do not recommend sealing concrete pavers.

Useful Life:
5 years

Remaining Life:
4 years



Best Case: \$ 34,600

Worst Case: \$ 56,700

Cost Source: Allowance

Comp #: 21190 Lodge Asphalt - Seal/Repair

Quantity: ~ 3600 GSF

Location: Common Areas

Funded?: Yes.

History:

Comments: Asphalt seal was observed to be in good condition with no major issues noted at the time of the inspection. Regular cycles of seal coating (along with any needed repair) has proven to be the best program in our opinion for the long term care of lower traffic asphalt areas such as these. The primary reason to seal coat asphalt pavement is to protect the pavement from the deteriorating effects of sun and water. When asphalt pavement is exposed the asphalt oxidizes or hardens which causes the pavement to become more brittle. As a result the pavement will be more likely to crack because it is unable to bend and flex when subjected to traffic and temperature changes. A seal coat combats this situation by providing a waterproof membrane which not only slows down the oxidation process but also helps the pavement to shed water preventing it from entering the base material. Seal coat also provides uniform appearance concealing the inevitable patching and repairs which accumulate over time. Seal coat ultimately extends useful life of asphalt postponing the asphalt resurfacing which can be one of the larger cost items in this study (see component #2133 for asphalt resurfacing costs). Repair asphalt before seal coating. Surface preparation and dry weather during and following application is key to lasting performance. The ideal conditions are a warm sunny day with low humidity rain can cause major problems when seal coating and should never be done when showers are threatening. Incorporate any striping and curb repair into this project. Fill cracks and clean oil stains promptly in between cycles as routine maintenance. Prior to a seal coat application the areas will be cleaned with push blowers and wire brooms. Be aware that sealcoat will not adhere to heavily saturated oil spots. Vendors typically recommend infrared patching on areas with saturated oil spots to ensure adherence of sealcoat.

Useful Life:
4 years

Remaining Life:
3 years



Best Case: \$ 1,400

Worst Case: \$ 2,200

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 21200 Lodge Asphalt - Resurface

Quantity: ~ 3600 GSF

Location: Common Areas

Funded?: Yes.

History:

Comments: Asphalt pavement determined to be in good condition typically exhibits a consistent appearance with uniform coloring and relatively smooth texture with only light to moderate signs of wear or age. If present cracking and raveling or other signs of wear are sporadic in nature and asphalt is still up to aesthetic standards for the development. No unusual signs of wear considering the age of the asphalt surface. Useful life below assumes regular seal coating and repairs. The lack of seal coating and repairs can greatly decrease the asphalt's useful life. Resurfacing is typically one of the larger expense items in a reserve study. When need to resurface is apparent within a couple of years consult with geotechnical engineer for recommendations specifications / scope of work and project oversight. As routine maintenance keep surfaces clean and free of debris ensure that drains are free flowing repair cracks and clean oil stains promptly. Assuming proactive maintenance plan to resurface at roughly the time frame below. If regular maintenance and sealing is deferred client may need more extensive repair and replacement projects. Funding below assumes that asphalt has adequate subgrade as well as asphalt fill depth. If fill depth is less than 2" client may need to consider a remove and replacement project which can increase costs by 50% or more. Further resources: Pavement Surface Condition Field Rating Manual for Asphalt Pavement. <http://co-asphalt.com/resources/maintenance-and-preservation/>

Useful Life:
25 years

Remaining Life:
24 years



Best Case: \$ 5,400

Worst Case: \$ 7,200

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 21650 Lodge Street Lights - Replace

Quantity: ~ (2) Fixtures

Location: Common Areas

Funded?: Yes.

History:

Comments: Street lights determined to be in good condition typically exhibit good surface finishes with only minor normal signs of wear. Fixtures are intact and clear with no unusual signs of age. Style is consistent and appropriate for local aesthetic standards.

Useful Life:
30 years

Remaining Life:
29 years



Best Case: \$ 2,400

Worst Case: \$ 3,200

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 21670 Lodge Bollard Lights - Replace

Quantity: ~ (7) Fixtures

Location: Common Areas

Funded?: Yes.

History:

Comments: Bollard lights determined to be in good condition typically exhibit good surface finishes with only minor normal signs of wear. Fixtures are intact and clear with no unusual signs of age. Style is consistent and appropriate for local aesthetic standards. Inspected during daylight hours assumed to be in functional operating condition. As routine maintenance inspect repair/change bulbs as needed. Best to plan for large scale replacement at roughly the time frame below for cost efficiency and consistent quality/appearance throughout client. Replacement costs can vary greatly estimates shown here are based on replacement with a comparable size and design unless otherwise noted.

Useful Life:
30 years

Remaining Life:
29 years



Best Case: \$ 4,900

Worst Case: \$ 6,300

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 21690 Lodge Site Furnishings - Replace

Quantity: ~ (24) Pieces

Location: Common Areas

Funded?: Yes.

History:

Comments: Includes (4) Rocking chairs (2) Couch (4) Lounges (8) Chairs (6) Tables.. Outdoor/site furniture determined to be in good condition typically exhibits little to no significant signs of wear or age. Style is attractive and appropriate for the local aesthetic standards of the development. Inspect regularly clean for appearance and repair as needed from general Operating funds. Cost to replace individual pieces may not meet threshold for Reserve funding. We recommend planning for regular intervals of complete replacement at the time frame indicated below to maintain a good consistent appearance in the common areas. Costs shown are based on replacement with comparable types unless otherwise noted.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 12,000

Worst Case: \$ 17,600

Cost Source: ARI Cost Database: Similar Project Cost History

Lodge Exteriors

Comp #: 2339 Stucco/EIFS - Seal/Paint

Quantity: ~ 2800 GSF

Location: Exteriors

Funded?: Yes.

History:

Comments: Stucco is a relatively low maintenance material, although sealants require more maintenance. As annual maintenance, inspect stucco and sealants for any visible problems. Replacing sealants is an important part of maintaining stucco's waterproofing. Sealants are typically located at the intersections of the stucco and other material such as windows, door and vents. We have assumed the sealants are silicone, which under good conditions may have a useful life of approximately 15 to 20 years. Urethane sealants would have a useful life of 8-12 years. At time of sealant replacement we recommend recoating the stucco to minimize water penetration and for appearance. Stucco can be recoated to help limited the amount of water penetrating into the stucco. There are three general options for recoating stucco. The least expensive option is applying a new acrylic topcoat, the second option is coating with an elastomeric finish, preferably permeable (~50% more expensive than acrylic) and a third option is a skim coat of stucco (about three times as expensive as acrylic). Generally the more expensive option has the longest useful life, and the least expensive has the shortest useful life. Additional information on Stucco is available at the Portland Cement Association's website <http://www.cement.org/stucco/index.asp> Stucco is not an impermeable material and allows moisture to penetrate the surface, become captured by the water resistive barrier (WRB) beneath (typically Tyvek, felt or similar material), and either evaporate back through to the exterior or drain down and out the base of the wall assembly through a weep screed. Typically north facing sides will typically retain more moisture, which could cause a quicker rate of deterioration.

Useful Life:
12 years

Remaining Life:
11 years



Best Case: \$ 3,000

Worst Case: \$ 5,500

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 23430 Lodge Windows (All) - Replace

Quantity: ~ (53) Windows

Location: Building Exteriors

Funded?: Yes.

History:

Comments: Windows determined to be in good condition typically exhibit only minor routine signs of wear and age. Frames appear to be intact with no significant pitting or other surface wear. All moving parts appear to be functional and glass appears to be clear and free from damage. Inspect regularly including sealant if any and repair as needed. Proper sealant/caulking is critical to keeping water out of the walls and preventing water damage. With ordinary care and maintenance useful life is long but difficult to predict. Many factors affect useful life including quality of window installed waterproofing flashing details exposure to wind driven rain. In many cases windows are replaced on an ongoing basis to select areas as-needed rather than to an entire building at one time. This component should be re-evaluated as the building ages and more problems develop and funding recommendations should be adjusted accordingly. An allowance for partial replacements may be warranted if certain windows are more deteriorated than others. Consult with vendors to ensure replacement windows are compliant with all applicable building codes. Note there are many types of windows available in today's market and costs can vary greatly.

Useful Life:
30 years

Remaining Life:
29 years



Best Case: \$ 21,200

Worst Case: \$ 31,800

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 23450 Sliding Doors - Replace

Quantity: ~ (2) Doors

Location: Building Exteriors

Funded?: Yes.

History:

Comments: Good condition noted with no significant or widespread deterioration observed. No condensation was observed between the window panes (typically indicative of failed glazing seals) at the time of our inspection. No issues reported by the client. Doors should have a very long useful life expectancy in most cases. However occasional replacements may be required especially for doors located in more exposed areas. Inspect periodically and repair as needed to maintain appearance security and operation with maintenance funds. Should be painted along with building exteriors or other painting/waterproofing projects to preserve appearance and prolong useful life. Based on our experience with comparable properties we recommend planning for ongoing partial replacements at the approximate interval shown here.

Useful Life:
40 years

Remaining Life:
39 years



Best Case: \$ 3,200

Worst Case: \$ 5,000

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 23570 Roof: Composition Shingle - Replace

Quantity: ~ 6600 GSF

Location: Building Exteriors

Funded?: Yes.

History:

Comments: A reserve study conducts only a limited visual review and many of the critical waterproofing and ventilation items of the roof are not readily viewable. For a full evaluation have a professional roof consultant/contractor perform a thorough up-close survey of your entire roof system including attic inspection (if any). Costs below factors replacement with an architectural grade laminated shingle. As routine maintenance many manufacturers recommend inspections at least twice annually (once in the fall before the snow season and again in the spring) and after large storm events. Promptly replace any damaged/missing sections or any other repair needed to ensure waterproof integrity of roof. Keep roof surface gutters and downspouts clear and free of debris. At the time of re-roofing we recommend that you hire a professional consultant to evaluate the existing roof and specify the new roof materials/design provide installation oversight. We recommend that all clients hire qualified consultants whenever they are considering having work performed on any building envelope (waterproofing) components including: roof walls windows decks exterior painting and caulking/sealant. There is a wealth of information available through Roofing Organizations such as: National Roofing Contractors client (NRCA) <http://www.nrca.net>. Asphalt Roofing Manufacturers client (ARMA) <http://www.asphaltroofing.org/> Roof Consultant Institute (RCI) <http://www.rci-online.org> : roof walls windows decks exterior painting and caulking/sealant. There is a wealth of information available through Roofing Organizations such as: National Roofing Contractors client (NRCA) <http://www.nrca.net>. Asphalt Roofing Manufacturers client (ARMA) <http://www.asphaltroofing.org/> Roof Consultant Institute (RCI) <http://www.rci-online.org>

Useful Life:
25 years

Remaining Life:
24 years



Best Case: \$ 26,300

Worst Case: \$ 32,800

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 23650 Gutters/Downspouts - Replace

Quantity: ~ 140 LF

Location: Building Exteriors

Funded?: Yes.

History:

Comments: Gutters and downspouts determined to be in good condition typically exhibit little to no significant surface wear or deterioration of material. No obvious sagging or tilting sections. Attachments to building appear to be strong and stable. Gutters and downspouts are assumed to be functioning properly unless otherwise noted. As routine maintenance inspect regularly keep gutters and downspouts free of debris. If buildings are located near trees keep trees trimmed back to avoid accumulation of leaves on the roof surface which will accumulate in the gutters and increase maintenance requirements while reducing life expectancy. Repair or replace individual sections as needed as an Operating expense. We generally recommend that the gutters and downspouts be replaced when the roof is being resurfaced/replaced. National Roofing Contractor client (NRCA) roofing standard includes installing eave flashings at the gutters. We suggest to plan for total replacement of gutter and downspouts at the same intervals as roof replacement for cost efficiency. Unless otherwise noted costs shown here assume replacement with similar type as are currently in place.

Useful Life:
30 years

Remaining Life:
29 years



Best Case: \$ 840

Worst Case: \$ 1,100

Cost Source: ARI Cost Database: Similar Project Cost History

Lodge Interiors

Comp #: 24010 Lodge Interior Surfaces - Repaint

Quantity: ~ 1800 GSF

Location: Building Interiors

Funded?: Yes.

History:

Comments: Interior areas determined to be in good condition typically exhibit few significant marks scuffs or other aesthetic concerns. Color is consistent and compatible with other finishes/furnishings and maintaining good standards in the common areas. Regular cycles of professional painting are recommended to maintain appearance. Small touch-up projects can be conducted as needed as a maintenance expense but comprehensive painting of interior areas will restore a consistent look and quality to all areas. Best practice is to coordinate at same time as other interior projects (flooring furnishings lighting etc.) whenever possible to minimize downtime and maintain consistent quality standard.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 2,300

Worst Case: \$ 3,600

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24030 Interior Lights - Replace

Quantity: ~ (4) Lights

Location: Building Interiors

Funded?: Yes.

History:

Comments: Interior wall lights were noted to be in good condition with no significant damage/deterioration observed or reported to us. As routine maintenance inspect repair and change bulbs as needed. Best practice is to coordinate at same time as other interior projects (especially painting) whenever possible to minimize downtime and maintain consistent quality standard. Timing of replacements is ultimately subjective. Estimates shown here are based on our experience with similar properties and general aesthetic qualities. A wide variety of fixture styles is available funding recommendations are based on replacement with comparable quality fixtures.

Useful Life:
25 years

Remaining Life:
24 years



Best Case: \$ 800

Worst Case: \$ 1,000

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24080 Carpeting - Replace

Quantity: ~ 110 GSY

Location: Building Interiors

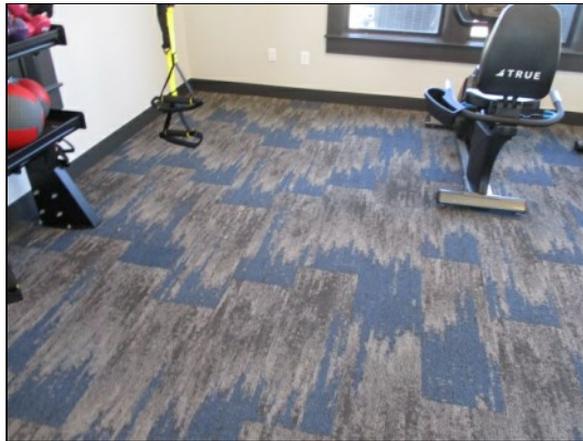
Funded?: Yes.

History:

Comments: Carpeted surfaces were determined to be in good condition. No evidence of staining matting or loose seams observed. As part of ongoing maintenance program vacuum regularly and professionally clean as needed. Best practice is to coordinate at same time as other interior projects whenever possible to minimize downtime and maintain consistent quality standard. Timing and interval is somewhat subjective but not as flexible as other flooring finishes (tile wood etc.). Estimates shown here are based on our experience with similar properties and general aesthetic qualities. Schedule can be updated/adjusted at the discretion of the client for planning purposes.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 7,800

Worst Case: \$ 9,400

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24110 Vinyl/Resilient Flooring - Replace

Quantity: ~ 1900 GSF

Location: Building Interiors

Funded?: Yes.

History:

Comments: Flooring surfaces were determined to be in good condition. Floors did not exhibit any un-even or broken sections. No evidence of deterioration. Inspect regularly repair any damaged areas and clean using operating/maintenance budget. Although this flooring should have a very long useful life in this application comprehensive replacement should eventually be expected to maintain good aesthetic standards in the common areas. Costs can vary based on quality and style of flooring selected.

Useful Life:
20 years

Remaining Life:
19 years



Best Case: \$ 10,600

Worst Case: \$ 14,500

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24150 Fitness Equipment (All) - Replace

Quantity: ~ (13) Pieces

Location: Building Interiors

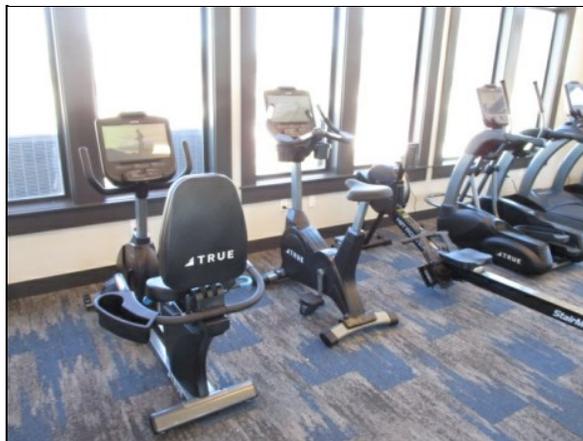
Funded?: Yes.

History:

Comments: Includes (5) Bikes (2) Treadmill (1) Rower (1) Elliptical (2) leg machines (1) Dumbbell rack (1) True strength system.. Fitness rooms determined to be in good condition typically exhibit attractive finishes and fixtures and are clean and inviting. Flooring and mirrored walls (if present) do not exhibit any significant physically deterioration. Furnishings such as TVs lighting and other assets promote a good aesthetic.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 54,000

Worst Case: \$ 78,200

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24220 Furnishings and Décor - Update

Quantity: ~ (34) Pieces

Location: Building Interiors

Funded?: Yes.

History:

Comments: Includes (6) Table (24) Chairs (4) Bar chairs.. The furniture and decor appeared in generally good condition. No damage fading or outdated appearances of the furniture was observed. This component recommends funding for periodic replacement/refurbishment of interior furnishings and decor such as furniture artwork window treatments misc. decorative items etc. in order to maintain a desirable aesthetic in the common areas. Cost estimates can vary greatly depending on the amount of items to be replaced at each project and the style and quality of replacement options. Best practice is to coordinate this type of project with other interior projects such as flooring replacement painting etc. Schedule and cost estimates should be re-evaluated during future Reserve Study updates and adjusted as needed based on the client's good judgment.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 10,400

Worst Case: \$ 17,000

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24230 A/V Equipment – Update/Replace

Quantity: (2) Pieces

Location: Building Interiors

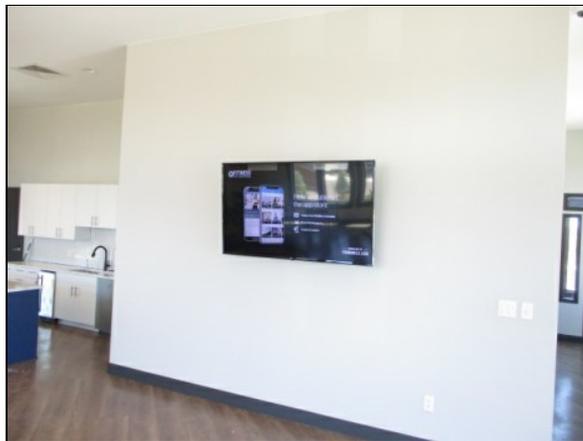
Funded?: Yes.

History:

Comments: Hallway furnishings determined to be in good condition typically are in good physical condition and represent an appropriate consistent aesthetic style for the standards of the property.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 2,000

Worst Case: \$ 3,000

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24240 Kitchen - Remodel

Quantity: ~ (1) Kitchen

Location: Building Interiors

Funded?: Yes.

History:

Comments: Includes (60) GSF of Counters (20) LF of Base Cabinets (10) LF of Wall Cabinets 0 Sink.. Kitchen was observed to be in good condition. Counters and cabinets were clean and free of issues. Fixtures appeared to be in good condition. Kitchen materials typically have an extended useful life. However many clients choose to refurbish the kitchen periodically for aesthetic updating. This may include refurbishment/refinishing of kitchen cabinets and countertops replacement of sinks installation/replacement of under-cabinet lighting etc. Should ideally be coordinated with replacement of the kitchen appliances. Best practice is to coordinate this project with other amenity areas such as bathrooms or other amenity rooms.

Useful Life:
30 years

Remaining Life:
29 years



Best Case: \$ 15,300

Worst Case: \$ 18,500

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24250 Kitchen Appliances - Replace

Quantity: ~ (4) Appliances

Location: Building Interiors

Funded?: Yes.

History:

Comments: Includes (1) Refrigerator (1) Microwave (1) Dishwasher (1) Ice Machine.. Kitchen appliances were observed to be in good condition. Appliances were reported to be functional and free of issues. Individual appliances were not tested during inspection and are assumed to be in functional operating condition unless otherwise noted. Useful life can vary greatly depending on level of use quality care and maintenance etc. Funding recommendation shown here is for replacing with comparable quality commercial-grade appliances.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 6,100

Worst Case: \$ 9,800

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24280 Bathrooms - Remodel

Quantity: ~ (2) Bathrooms

Location: Building Interiors

Funded?: Yes.

History:

Comments: Bathrooms were determined to be in good condition. Flooring did not exhibit any un-even or broken sections. Fixtures appeared to be in good condition. As routine maintenance inspect regularly and perform any needed repairs promptly utilizing general Operating funds. Typical remodeling project can include some or all of the following replacement of plumbing fixtures partitions countertops lighting flooring ventilation fans accessories decor etc. Best practice is to coordinate this type of project with other areas whenever possible. Schedule and cost estimates should be re-evaluated during future Reserve Study updates and adjusted as needed based on the client's good judgment.

Useful Life:
20 years

Remaining Life:
19 years



Best Case: \$ 6,000

Worst Case: \$ 10,000

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 24400 Drinking Fountain - Replace

Quantity: (1) Unit

Location: Building Interiors

Funded?: Yes.

History:

Comments: Laundry rooms determined to be in good condition typically exhibit clean attractive room finishes. Any other FF&E present is of good design quality and appearance is consistent across all rooms maintaining good aesthetic standards for the property.

Useful Life:
20 years

Remaining Life:
19 years



Best Case: \$ 1,000

Worst Case: \$ 1,400

Cost Source: ARI Cost Database: Similar Project Cost History

Mechanical

Comp #: 25200 Lodge HVAC - Replace

Quantity: ~ (4) Units

Location: Mechanical Room

Funded?: Yes.

History:

Comments: Includes (2) Armstrong Air model 5 Ton - 4SU16LE150 Serial 1619C26688 (2) Furnaces. Minimal or no subjective/aesthetic value for this component. Useful life is based primarily on normal expectations for service/performance life in this location. Unless otherwise noted remaining useful life expectancy is based primarily on original installation or last replacement/purchase date our experience with similar systems/components and assuming normal amount of usage and good preventive maintenance. We recommend that routine repairs and maintenance such as filter replacements system flushing etc. be budgeted as an Operating expense. Useful life can often be extended with proactive service and maintenance. Unless otherwise noted funding for system with same size/capacity as the current system. For split systems we recommend budgeting to replace the entire system (condensing unit and air handler) together in order to obtain better unit pricing and ensure maximum efficiency refrigerant compatibility etc. If additional costs are expected during replacement such as for system reconfiguration or expansion ductwork repairs electrical work etc. costs should be re-evaluated and adjusted as needed during future Reserve Study updates.

Useful Life:
20 years

Remaining Life:
19 years



Best Case: \$ 28,000

Worst Case: \$ 38,000

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 25330 Lodge Surveillance System–Upgrade

Quantity: ~ (7) Cameras

Location: Common Areas

Funded?: Yes.

History:

Comments: Includes (6) Cameras (1) DVR. Minimal or no subjective/aesthetic value for this component. Useful life is based primarily on normal expectations for service/performance life in this location. Unless otherwise noted remaining useful life expectancy is based primarily on original installation or last replacement/purchase date our experience with similar systems/components and assuming normal amount of usage and good preventive maintenance. Security/surveillance systems should be monitored closely to ensure proper function. Whenever possible camera locations should be protected and isolated to prevent tampering and/or theft. Typical modernization projects may include addition and/or replacement of cameras recording equipment monitors software etc. Unless otherwise noted costs assume that existing wiring can be re-used and only the actual cameras and other equipment will be replaced. In many cases replacement or modernization is warranted due to advancement in technology not necessarily due to functional failure of the existing system. Keep track of any partial replacements and include cost history during future Reserve Study updates.

Useful Life:
10 years

Remaining Life:
9 years



Best Case: \$ 8,500

Worst Case: \$ 11,900

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 25460 Lodge Water Heater/Tank - Replace

Quantity: ~ (1) Tank

Location: Mechanical Room

Funded?: Yes.

History:

Comments: Minimal or no subjective/aesthetic value for this component. Useful life is based primarily on normal expectations for service/performance life in this location. Unless otherwise noted remaining useful life expectancy is based primarily on original installation or last replacement/purchase date our experience with similar systems/components and assuming normal amount of usage and good preventive maintenance. Water heater life expectancies can vary greatly depending on level of use type of technology amount of preventive maintenance and other factors. Should be inspected and repaired as needed by servicing vendor or maintenance staff. Unless otherwise noted expected to be functional. Plan to replace at the approximate interval shown below. When evaluating replacements we recommend choosing high-efficiency or tankless models if possible in order to minimize energy usage.

Useful Life:
15 years

Remaining Life:
14 years



Best Case: \$ 2,000

Worst Case: \$ 3,000

Cost Source: ARI Cost Database: Similar Project Cost History

Sub #4 Amenities

Comp #: 26010 Lodge Bocce Turf – Replace

Quantity: ~ 1400 GSF

Location: Common Areas

Funded?: Yes.

History:

Comments: Turf was not yet installed at the time of the inspection. Turf determined to be in good condition typically exhibit few or no loose seams lifting or damage.

Useful Life:
20 years

Remaining Life:
19 years



Best Case: \$ 31,700

Worst Case: \$ 36,000

Cost Source: ARI Cost Database: Similar Project Cost History

Comp #: 26150 Pickleball Court Fencing - Replace

Quantity: ~ 600 LF

Location: Common Areas

Funded?: Yes.

History:

Comments: Good condition noted with no significant or widespread instability or damage/deterioration observed. Tennis court fencing should have a very long life expectancy assuming proper design and installation lack of vandalism/abuse etc. Best practice is to coordinate replacement with other major projects such as court resurfacing lighting replacement etc. Vinyl-coated chain link fences normally have a longer life expectancy and are more attractive than those without. Gates and locks should be inspected and repaired as needed as an Operating expense in order to restrict access (if desired) to the tennis court.

Useful Life:
30 years

Remaining Life:
29 years



Best Case: \$ 11,100

Worst Case: \$ 13,800

Cost Source: ARI Cost Database: Similar Project Cost History