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Daniel Island POA  
DIPA  
*Daniel Island, SC*



Report #: 15074-5  
Beginning: January 1, 2022  
Expires: December 31, 2022

**RESERVE STUDY**  
Update "No-Site-Visit"

September 12, 2022

# Welcome to your Reserve Study!

**A** Reserve Study is a valuable tool to help you budget responsibly for your property. This report contains all the information you need to avoid surprise expenses, make informed decisions, save money, and protect property values.

**R**egardless of the property type, it's a fact of life that the very moment construction is completed, every major building component begins a predictable process of physical deterioration. The operative word is "predictable" because planning for the inevitable is what a Reserve Study by **Association Reserves** is all about!

In this Report, you will find three key results:

- **Component List**  
Unique to each property, the Component List serves as the foundation of the Reserve Study and details the scope and schedule of all necessary repairs & replacements.
- **Reserve Fund Strength**  
A calculation that measures how well the Reserve Fund has kept pace with the property's physical deterioration.
- **Reserve Funding Plan**  
A multi-year funding plan based on current Reserve Fund strength that allows for component repairs and replacements to be completed in a timely manner, with an emphasis on fairness and avoiding "catch-up" funding.

## Questions?

Please contact your Project Manager directly.



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Daniel Island POA - DIPA

Report #: 15074-5

Daniel Island, SC

# of Units: 1,010

Level of Service: Update "No-Site-Visit"

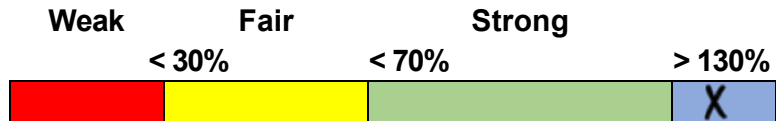
January 1, 2022 through December 31, 2022

Findings & Recommendations

as of January 1, 2022

Project Starting Reserve Balance	\$184,408
Currently Fully Funding Reserve Balance	\$121,365
Percent Funded	151.9 %
Recommended 2022 Fully Funding Contributions	\$20,604
Recommended 2022 Special Assessments for Reserves	\$0
Most Recent Reserve Contribution Rate	\$91,956

Reserve Fund Strength: 151.9%



Risk of Special Assessment:

High Medium Low

Economic Assumptions:

Net Annual "After Tax" Interest Earnings Accruing to Reserves 1.00 %

Annual Inflation Rate 3.00 %

This report is an "Update, No-Site-Visit" Reserve Study based on a prior study prepared by Association Reserves for your 2020 Fiscal Year.

This Reserve Study was prepared or overseen by a credentialed Reserve Specialist (RS). As of the start of the initial fiscal year shown in this study, your Reserve fund is determined to be 151.9 % Funded. Based on this figure, the Client's risk of special assessments & deferred maintenance is currently Low. The objective of your multi-year Funding Plan is to Fully Fund your Reserves, where clients enjoy a low risk of such Reserve cash flow problems.

Based on this starting point, your anticipated future expenses, and your historical Reserve contribution rate, our recommendation is to increase your Reserve contributions to \$20,604 in the upcoming fiscal year. Going forward, the contribution rate recommended here should be increased as illustrated on the 30-yr Summary Table.

Reserve Funding Goals and Methodology:

This Reserve Study has been prepared using the "pooled" method of Reserve funding (also known as the cash flow method). The terms "full funding" and/or "fully funding" as used in this Reserve Study are based on the National Reserve Study Standards definition of full funding: "setting a Reserve funding goal to attain and maintain Reserves at or near 100 percent funded." (The definition and means of calculating percent-funded are addressed later in this report.)

In some jurisdictions, the minimum amount of Reserve contributions required when using the pooled method of funding may be less than the amount recommended in this study. In other words, the required contribution must be at least enough to ensure that the total Reserve fund balance does not fall below \$0 at any point in the foreseeable future, based on the current projections. The National Reserve Study Standards label this funding goal as "baseline funding."

In our opinion, the National Reserve Study Standards definition of fully funding not only complies with all relevant jurisdictional requirements, but is also more likely to provide an adequate "cushion" of accumulated funds, which will help mitigate financial risks in the event of higher-than-expected component costs, reduced component life expectancies, or other unforeseen negative circumstances. In our experience, Clients that choose to fund their Reserves using a baseline (or threshold) funding goal are significantly more likely to experience special assessments and deferred maintenance in the event of these circumstances.

For Clients using the "straight-line" method of Reserve funding (also known as the component method), an additional table may be added to the Reserve Study to provide alternate recommendations calculated using this method. By nature, the straight-line method may only be used to generate recommended contribution rates for one fiscal year at a time, and does not include any assumptions for interest earnings or inflationary cost increases. When using this method, the required contribution for each component is calculated by estimating the replacement cost for the component, subtracting any available funds already collected, and dividing the resulting difference (herein labeled as the "unfunded balance," measured in dollars) by the remaining useful life of the component, measured in years. The resulting figure is the required amount to fund that component. For groups of like components (i.e. multiple individual roof components, all falling within a 'roof reserve'), the individual contribution amounts are added together to determine the total amount required to fund the group as a whole.

For additional questions or to request more information about reserve funding goals and methods, please contact our office.

#	Component	Useful Life (yrs)	Rem. Useful Life (yrs)	Current Average Cost
<b>Great Oak Park</b>				
2101	Concrete Boat Ramp - Repair	20	7	\$15,000
2123	Asphalt - Seal/Repair	4	2	\$6,750
2125	Asphalt - Resurface	20	1	\$66,000
2137	Metal Fence - Replace	30	29	\$40,000
2139	Site Fencing: Wood - Replace	25	9	\$9,300
2146	Arbor - Repair/Replace	20	0	\$20,000
2175	Parking Lot Lights - Replace	20	4	\$2,600
2192	Boat Dock (Deck) - Resurface	15	12	\$30,450
2193	Boat Dock (Structure) - Replace	30	27	\$43,500
2511	Sliding Gate - Replace	15	14	\$24,000
2550	Kayak Locker - Replace	20	18	\$13,350
<b>Other/Miscellaneous</b>				
2179	Landscape Lights - Partial Replace	5	4	\$7,000
2181	Outdoor/Site Furniture - Replace	5	4	\$4,000
2587	Irrigation System - Repair/Refurb	5	4	\$3,000
<b>14 Total Funded Components</b>				

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 No-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 updated and adjusted your Reserve Component List on the basis of time elapsed since the last Reserve Study and interviews with association representatives.

## *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



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?



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.*



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.

## 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 at your association as defined by your Reserve Component List. A summary of these components are shown in the Component Details table, while a summary of the expenses themselves are shown in the 30-yr Expense Summary table.

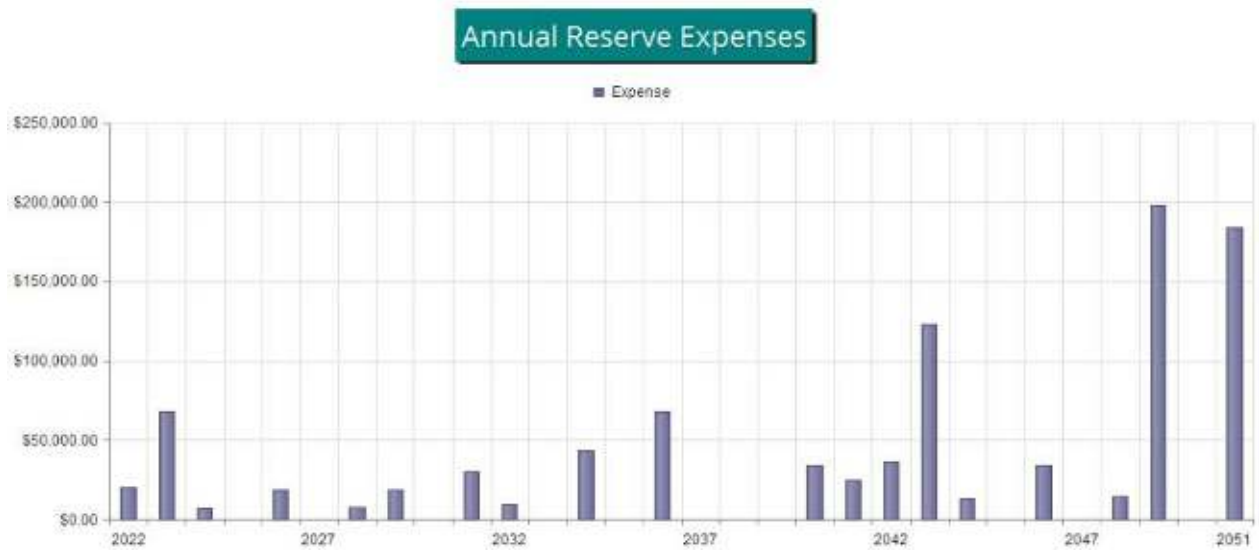


Figure 1

## Reserve Fund Status

The starting point for our financial analysis is your Reserve Fund balance, projected to be \$184,408 as-of the start of your Fiscal Year on 1/1/2022. As of your Fiscal Year Start, your Fully Funded Balance is computed to be \$121,365. This figure represents the deteriorated value of your common area components. Comparing your Reserve Balance to your Fully Funded Balance indicates your Reserves are 151.9 % Funded.

## Recommended Funding Plan

Based on your current Percent Funded and your near-term and long-term Reserve needs, we are recommending budgeted contributions of \$20,604 this Fiscal Year. The overall 30-yr plan, in perspective, is shown below. This same information is shown numerically in both the 30-yr Summary and the Cash Flow Detail tables.

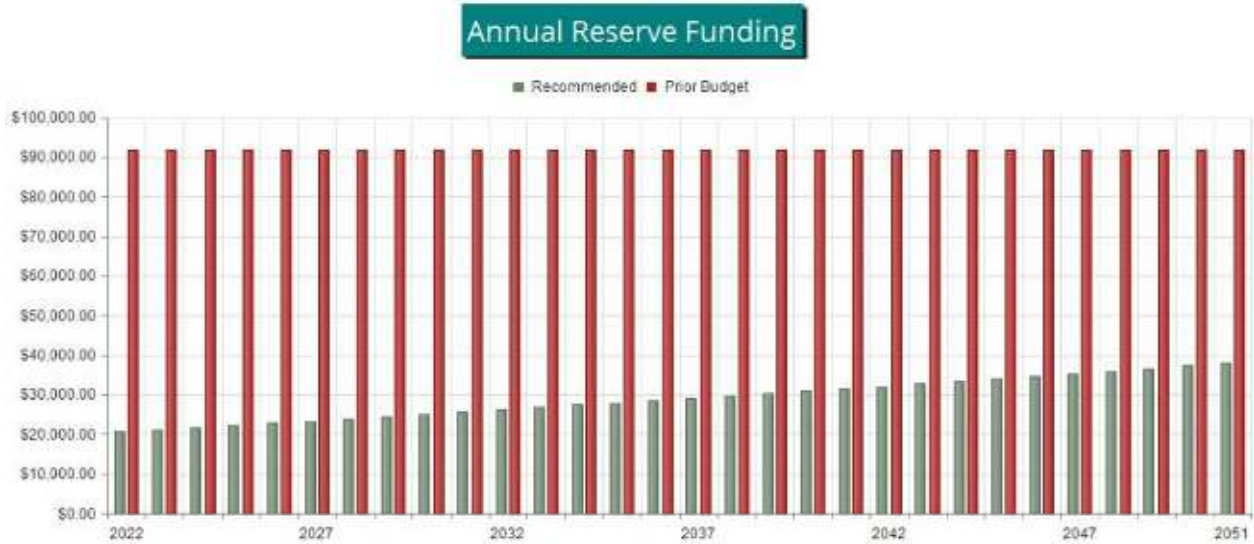


Figure 2

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

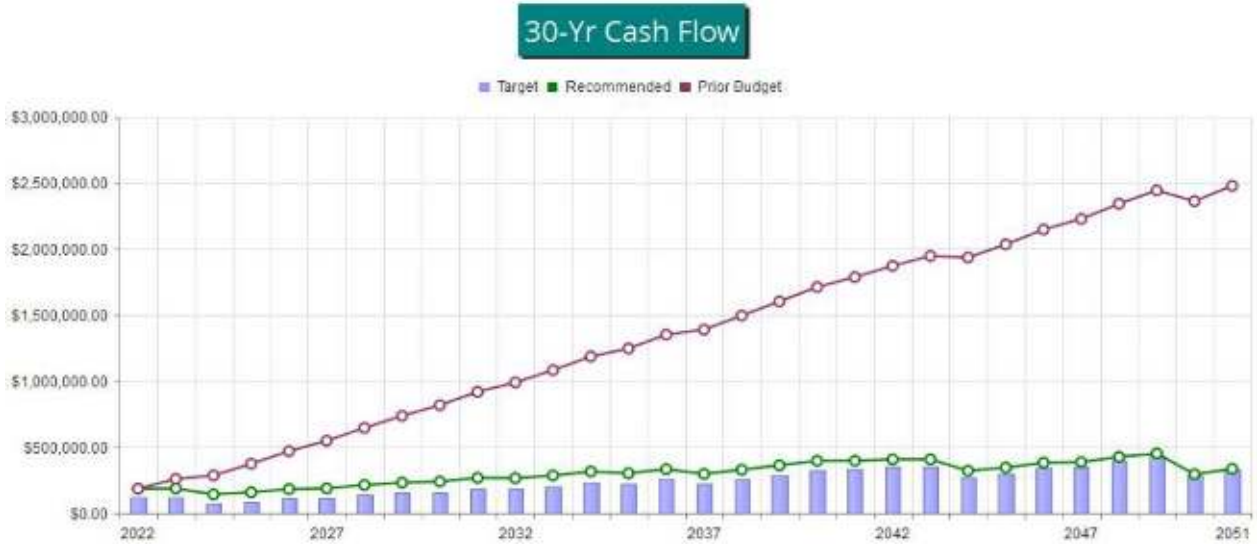


Figure 3

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.

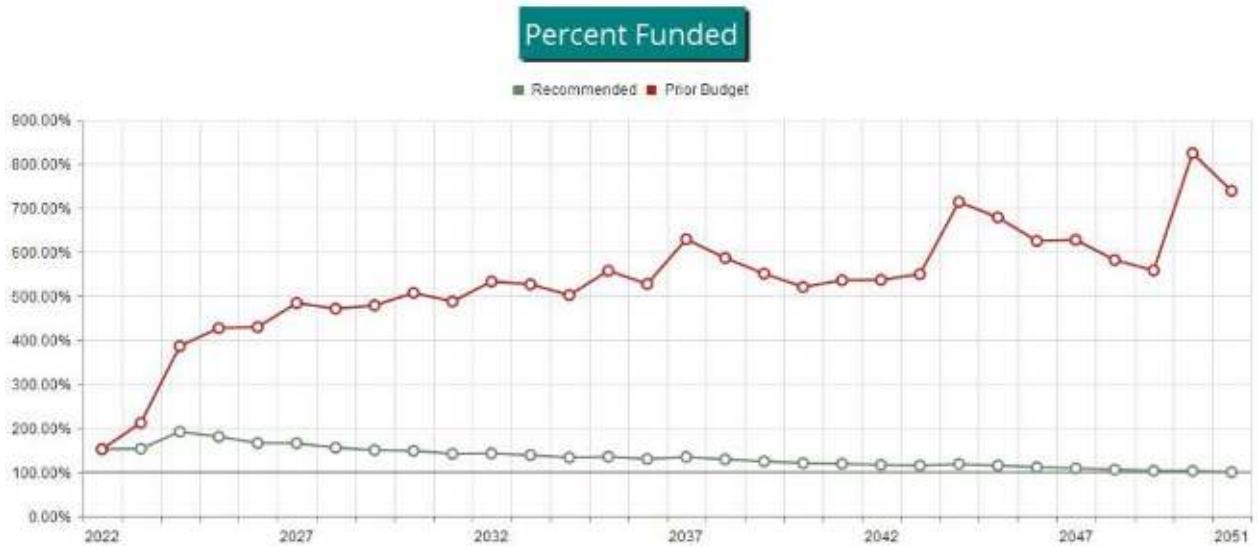


Figure 4

Executive Summary is a summary of your Reserve Components

Budget Summary is a management and accounting tool, summarizing groupings of your Reserve Components.

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

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.



	Useful Life		2022 Rem. Useful Life		Estimated Replacement Cost in 2022	2022 Expenditures	01/01/2022 Fully Funded Balance	Remaining Bal. to be Funded	2022 Contributions
	Min	Max	Min	Max					
Great Oak Park	4	30	0	29	\$270,950	\$20,000	\$118,565	\$90,796	\$17,234
Other/Miscellaneous	5	5	4	4	\$14,000	\$0	\$2,800	\$9,746	\$3,370
					<b>\$284,950</b>	<b>\$20,000</b>	<b>\$121,365</b>	<b>\$100,542</b>	<b>\$20,604</b>
<b>Percent Funded:</b>								<b>151.9%</b>	

#	Component	Quantity	Useful Life	Rem. Useful Life	Current Cost Estimate	
					Best Case	Worst Case
<b>Great Oak Park</b>						
2101	Concrete Boat Ramp - Repair	Apprx 1,500 GSF	20	7	\$13,000	\$17,000
2123	Asphalt - Seal/Repair	Apprx 1,950 GSY	4	2	\$5,700	\$7,800
2125	Asphalt - Resurface	Apprx 1,950 GSY	20	1	\$60,000	\$72,000
2137	Metal Fence - Replace	Numerous LF	30	29	\$35,000	\$45,000
2139	Site Fencing: Wood - Replace	Approx 640 LF Fence	25	9	\$7,600	\$11,000
2146	Arbor - Repair/Replace	(1) Arbor	20	0	\$18,000	\$22,000
2175	Parking Lot Lights - Replace	(3) Pole Lights	20	4	\$1,900	\$3,300
2192	Boat Dock (Deck) - Resurface	Approx 1,060 GSF	15	12	\$28,400	\$32,500
2193	Boat Dock (Structure) - Replace	Approx 1,060 GSF	30	27	\$36,000	\$51,000
2511	Sliding Gate - Replace	(2) Gates	15	14	\$22,000	\$26,000
2550	Kayak Locker - Replace	(1) Kayak Storage 6 units	20	18	\$11,300	\$15,400
<b>Other/Miscellaneous</b>						
2179	Landscape Lights - Partial Replace	Extensive Quantity	5	4	\$6,000	\$8,000
2181	Outdoor/Site Furniture - Replace	Numerous Pieces	5	4	\$3,000	\$5,000
2587	Irrigation System - Repair/Refurb	(1) System	5	4	\$2,000	\$4,000
<hr/>						
14	Total Funded Components					



# Component	Useful Life (yrs)	Current Cost Estimate	Deterioration Cost/Yr	Deterioration Significance
<b>Great Oak Park</b>				
2101 Concrete Boat Ramp - Repair	20	\$15,000	\$750	4.38 %
2123 Asphalt - Seal/Repair	4	\$6,750	\$1,688	9.86 %
2125 Asphalt - Resurface	20	\$66,000	\$3,300	19.28 %
2137 Metal Fence - Replace	30	\$40,000	\$1,333	7.79 %
2139 Site Fencing: Wood - Replace	25	\$9,300	\$372	2.17 %
2146 Arbor - Repair/Replace	20	\$20,000	\$1,000	5.84 %
2175 Parking Lot Lights - Replace	20	\$2,600	\$130	0.76 %
2192 Boat Dock (Deck) - Resurface	15	\$30,450	\$2,030	11.86 %
2193 Boat Dock (Structure) - Replace	30	\$43,500	\$1,450	8.47 %
2511 Sliding Gate - Replace	15	\$24,000	\$1,600	9.35 %
2550 Kayak Locker - Replace	20	\$13,350	\$668	3.90 %
<b>Other/Miscellaneous</b>				
2179 Landscape Lights - Partial Replace	5	\$7,000	\$1,400	8.18 %
2181 Outdoor/Site Furniture - Replace	5	\$4,000	\$800	4.67 %
2587 Irrigation System - Repair/Refurb	5	\$3,000	\$600	3.50 %
14 Total Funded Components			\$17,120	100.00 %

Fiscal Year Start: 2022

Interest: 1.00 %

Inflation: 3.00 %

Reserve Fund Strength: as-of Fiscal Year Start Date	Projected Reserve Balance Changes
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Year	Starting Reserve Balance	Fully Funded Balance	Percent Funded	Special Assmt Risk	% Increase		Reserve Funding	Reserve Funding	Loan or Special Assmts	Interest Income	Reserve Expenses
					In Annual	Reserve Funding					
2022	\$184,408	\$121,365	151.9 %	Low	-77.59 %	\$20,604	\$0	\$1,856	\$20,000		
2023	\$186,868	\$122,040	153.1 %	Low	2.50 %	\$21,119	\$0	\$1,642	\$67,980		
2024	\$141,649	\$73,845	191.8 %	Low	2.50 %	\$21,647	\$0	\$1,496	\$7,161		
2025	\$157,630	\$87,392	180.4 %	Low	2.50 %	\$22,188	\$0	\$1,695	\$0		
2026	\$181,514	\$109,283	166.1 %	Low	2.50 %	\$22,743	\$0	\$1,844	\$18,683		
2027	\$187,417	\$113,165	165.6 %	Low	2.50 %	\$23,312	\$0	\$2,000	\$0		
2028	\$212,728	\$137,002	155.3 %	Low	2.50 %	\$23,894	\$0	\$2,217	\$8,060		
2029	\$230,779	\$153,867	150.0 %	Low	2.50 %	\$24,492	\$0	\$2,349	\$18,448		
2030	\$239,172	\$161,169	148.4 %	Low	2.50 %	\$25,104	\$0	\$2,529	\$0		
2031	\$266,805	\$188,342	141.7 %	Low	2.50 %	\$25,732	\$0	\$2,657	\$30,401		
2032	\$264,792	\$185,687	142.6 %	Low	2.50 %	\$26,375	\$0	\$2,747	\$9,071		
2033	\$284,842	\$205,613	138.5 %	Low	1.95 %	\$26,889	\$0	\$2,997	\$0		
2034	\$314,728	\$236,191	133.3 %	Low	1.95 %	\$27,414	\$0	\$3,081	\$43,414		
2035	\$301,808	\$223,701	134.9 %	Low	1.95 %	\$27,948	\$0	\$3,172	\$0		
2036	\$332,929	\$256,308	129.9 %	Low	1.95 %	\$28,493	\$0	\$3,148	\$67,688		
2037	\$296,881	\$220,951	134.4 %	Low	1.95 %	\$29,049	\$0	\$3,128	\$0		
2038	\$329,058	\$255,053	129.0 %	Low	1.95 %	\$29,615	\$0	\$3,454	\$0		
2039	\$362,128	\$291,002	124.4 %	Low	1.95 %	\$30,193	\$0	\$3,790	\$0		
2040	\$396,110	\$328,878	120.4 %	Low	1.95 %	\$30,781	\$0	\$3,962	\$34,219		
2041	\$396,635	\$333,520	118.9 %	Low	1.95 %	\$31,382	\$0	\$4,019	\$24,549		
2042	\$407,486	\$349,161	116.7 %	Low	1.95 %	\$31,994	\$0	\$4,073	\$36,122		
2043	\$407,430	\$354,279	115.0 %	Low	1.95 %	\$32,617	\$0	\$3,640	\$122,779		
2044	\$320,908	\$271,249	118.3 %	Low	1.95 %	\$33,253	\$0	\$3,326	\$12,934		
2045	\$344,554	\$299,853	114.9 %	Low	1.95 %	\$33,902	\$0	\$3,632	\$0		
2046	\$382,088	\$343,651	111.2 %	Low	1.95 %	\$34,563	\$0	\$3,843	\$33,744		
2047	\$386,749	\$355,050	108.9 %	Low	1.95 %	\$35,237	\$0	\$4,062	\$0		
2048	\$426,048	\$402,623	105.8 %	Low	1.95 %	\$35,924	\$0	\$4,387	\$14,557		
2049	\$451,802	\$437,737	103.2 %	Low	1.95 %	\$36,625	\$0	\$3,730	\$197,584		
2050	\$294,574	\$286,528	102.8 %	Low	1.95 %	\$37,339	\$0	\$3,147	\$0		
2051	\$335,059	\$335,469	99.9 %	Low	1.95 %	\$38,067	\$0	\$2,634	\$183,812		

Fiscal Year	2022	2023	2024	2025	2026
Starting Reserve Balance	\$184,408	\$186,868	\$141,649	\$157,630	\$181,514
Annual Reserve Funding	\$20,604	\$21,119	\$21,647	\$22,188	\$22,743
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$1,856	\$1,642	\$1,496	\$1,695	\$1,844
Total Income	\$206,868	\$209,629	\$164,791	\$181,514	\$206,100
# Component					
<b>Great Oak Park</b>					
2101 Concrete Boat Ramp - Repair	\$0	\$0	\$0	\$0	\$0
2123 Asphalt - Seal/Repair	\$0	\$0	\$7,161	\$0	\$0
2125 Asphalt - Resurface	\$0	\$67,980	\$0	\$0	\$0
2137 Metal Fence - Replace	\$0	\$0	\$0	\$0	\$0
2139 Site Fencing: Wood - Replace	\$0	\$0	\$0	\$0	\$0
2146 Arbor - Repair/Replace	\$20,000	\$0	\$0	\$0	\$0
2175 Parking Lot Lights - Replace	\$0	\$0	\$0	\$0	\$2,926
2192 Boat Dock (Deck) - Resurface	\$0	\$0	\$0	\$0	\$0
2193 Boat Dock (Structure) - Replace	\$0	\$0	\$0	\$0	\$0
2511 Sliding Gate - Replace	\$0	\$0	\$0	\$0	\$0
2550 Kayak Locker - Replace	\$0	\$0	\$0	\$0	\$0
<b>Other/Miscellaneous</b>					
2179 Landscape Lights - Partial Replace	\$0	\$0	\$0	\$0	\$7,879
2181 Outdoor/Site Furniture - Replace	\$0	\$0	\$0	\$0	\$4,502
2587 Irrigation System - Repair/Refurb	\$0	\$0	\$0	\$0	\$3,377
Total Expenses	\$20,000	\$67,980	\$7,161	\$0	\$18,683
Ending Reserve Balance	\$186,868	\$141,649	\$157,630	\$181,514	\$187,417

<b>Fiscal Year</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>
Starting Reserve Balance	\$187,417	\$212,728	\$230,779	\$239,172	\$266,805
Annual Reserve Funding	\$23,312	\$23,894	\$24,492	\$25,104	\$25,732
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$2,000	\$2,217	\$2,349	\$2,529	\$2,657
<b>Total Income</b>	<b>\$212,728</b>	<b>\$238,839</b>	<b>\$257,620</b>	<b>\$266,805</b>	<b>\$295,193</b>
# Component					
<b>Great Oak Park</b>					
2101 Concrete Boat Ramp - Repair	\$0	\$0	\$18,448	\$0	\$0
2123 Asphalt - Seal/Repair	\$0	\$8,060	\$0	\$0	\$0
2125 Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
2137 Metal Fence - Replace	\$0	\$0	\$0	\$0	\$0
2139 Site Fencing: Wood - Replace	\$0	\$0	\$0	\$0	\$12,134
2146 Arbor - Repair/Replace	\$0	\$0	\$0	\$0	\$0
2175 Parking Lot Lights - Replace	\$0	\$0	\$0	\$0	\$0
2192 Boat Dock (Deck) - Resurface	\$0	\$0	\$0	\$0	\$0
2193 Boat Dock (Structure) - Replace	\$0	\$0	\$0	\$0	\$0
2511 Sliding Gate - Replace	\$0	\$0	\$0	\$0	\$0
2550 Kayak Locker - Replace	\$0	\$0	\$0	\$0	\$0
<b>Other/Miscellaneous</b>					
2179 Landscape Lights - Partial Replace	\$0	\$0	\$0	\$0	\$9,133
2181 Outdoor/Site Furniture - Replace	\$0	\$0	\$0	\$0	\$5,219
2587 Irrigation System - Repair/Refurb	\$0	\$0	\$0	\$0	\$3,914
<b>Total Expenses</b>	<b>\$0</b>	<b>\$8,060</b>	<b>\$18,448</b>	<b>\$0</b>	<b>\$30,401</b>
<b>Ending Reserve Balance</b>	<b>\$212,728</b>	<b>\$230,779</b>	<b>\$239,172</b>	<b>\$266,805</b>	<b>\$264,792</b>

<b>Fiscal Year</b>	<b>2032</b>	<b>2033</b>	<b>2034</b>	<b>2035</b>	<b>2036</b>
Starting Reserve Balance	\$264,792	\$284,842	\$314,728	\$301,808	\$332,929
Annual Reserve Funding	\$26,375	\$26,889	\$27,414	\$27,948	\$28,493
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$2,747	\$2,997	\$3,081	\$3,172	\$3,148
<b>Total Income</b>	<b>\$293,914</b>	<b>\$314,728</b>	<b>\$345,223</b>	<b>\$332,929</b>	<b>\$364,570</b>
# Component					
<b>Great Oak Park</b>					
2101 Concrete Boat Ramp - Repair	\$0	\$0	\$0	\$0	\$0
2123 Asphalt - Seal/Repair	\$9,071	\$0	\$0	\$0	\$10,210
2125 Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
2137 Metal Fence - Replace	\$0	\$0	\$0	\$0	\$0
2139 Site Fencing: Wood - Replace	\$0	\$0	\$0	\$0	\$0
2146 Arbor - Repair/Replace	\$0	\$0	\$0	\$0	\$0
2175 Parking Lot Lights - Replace	\$0	\$0	\$0	\$0	\$0
2192 Boat Dock (Deck) - Resurface	\$0	\$0	\$43,414	\$0	\$0
2193 Boat Dock (Structure) - Replace	\$0	\$0	\$0	\$0	\$0
2511 Sliding Gate - Replace	\$0	\$0	\$0	\$0	\$36,302
2550 Kayak Locker - Replace	\$0	\$0	\$0	\$0	\$0
<b>Other/Miscellaneous</b>					
2179 Landscape Lights - Partial Replace	\$0	\$0	\$0	\$0	\$10,588
2181 Outdoor/Site Furniture - Replace	\$0	\$0	\$0	\$0	\$6,050
2587 Irrigation System - Repair/Refurb	\$0	\$0	\$0	\$0	\$4,538
<b>Total Expenses</b>	<b>\$9,071</b>	<b>\$0</b>	<b>\$43,414</b>	<b>\$0</b>	<b>\$67,688</b>
Ending Reserve Balance	\$284,842	\$314,728	\$301,808	\$332,929	\$296,881

<b>Fiscal Year</b>	<b>2037</b>	<b>2038</b>	<b>2039</b>	<b>2040</b>	<b>2041</b>
Starting Reserve Balance	\$296,881	\$329,058	\$362,128	\$396,110	\$396,635
Annual Reserve Funding	\$29,049	\$29,615	\$30,193	\$30,781	\$31,382
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$3,128	\$3,454	\$3,790	\$3,962	\$4,019
<b>Total Income</b>	<b>\$329,058</b>	<b>\$362,128</b>	<b>\$396,110</b>	<b>\$430,853</b>	<b>\$432,035</b>
# Component					
<b>Great Oak Park</b>					
2101 Concrete Boat Ramp - Repair	\$0	\$0	\$0	\$0	\$0
2123 Asphalt - Seal/Repair	\$0	\$0	\$0	\$11,491	\$0
2125 Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
2137 Metal Fence - Replace	\$0	\$0	\$0	\$0	\$0
2139 Site Fencing: Wood - Replace	\$0	\$0	\$0	\$0	\$0
2146 Arbor - Repair/Replace	\$0	\$0	\$0	\$0	\$0
2175 Parking Lot Lights - Replace	\$0	\$0	\$0	\$0	\$0
2192 Boat Dock (Deck) - Resurface	\$0	\$0	\$0	\$0	\$0
2193 Boat Dock (Structure) - Replace	\$0	\$0	\$0	\$0	\$0
2511 Sliding Gate - Replace	\$0	\$0	\$0	\$0	\$0
2550 Kayak Locker - Replace	\$0	\$0	\$0	\$22,727	\$0
<b>Other/Miscellaneous</b>					
2179 Landscape Lights - Partial Replace	\$0	\$0	\$0	\$0	\$12,275
2181 Outdoor/Site Furniture - Replace	\$0	\$0	\$0	\$0	\$7,014
2587 Irrigation System - Repair/Refurb	\$0	\$0	\$0	\$0	\$5,261
<b>Total Expenses</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$34,219</b>	<b>\$24,549</b>
<b>Ending Reserve Balance</b>	<b>\$329,058</b>	<b>\$362,128</b>	<b>\$396,110</b>	<b>\$396,635</b>	<b>\$407,486</b>

<b>Fiscal Year</b>	<b>2042</b>	<b>2043</b>	<b>2044</b>	<b>2045</b>	<b>2046</b>
Starting Reserve Balance	\$407,486	\$407,430	\$320,908	\$344,554	\$382,088
Annual Reserve Funding	\$31,994	\$32,617	\$33,253	\$33,902	\$34,563
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$4,073	\$3,640	\$3,326	\$3,632	\$3,843
<b>Total Income</b>	<b>\$443,552</b>	<b>\$443,688</b>	<b>\$357,488</b>	<b>\$382,088</b>	<b>\$420,493</b>
# Component					
<b>Great Oak Park</b>					
2101 Concrete Boat Ramp - Repair	\$0	\$0	\$0	\$0	\$0
2123 Asphalt - Seal/Repair	\$0	\$0	\$12,934	\$0	\$0
2125 Asphalt - Resurface	\$0	\$122,779	\$0	\$0	\$0
2137 Metal Fence - Replace	\$0	\$0	\$0	\$0	\$0
2139 Site Fencing: Wood - Replace	\$0	\$0	\$0	\$0	\$0
2146 Arbor - Repair/Replace	\$36,122	\$0	\$0	\$0	\$0
2175 Parking Lot Lights - Replace	\$0	\$0	\$0	\$0	\$5,285
2192 Boat Dock (Deck) - Resurface	\$0	\$0	\$0	\$0	\$0
2193 Boat Dock (Structure) - Replace	\$0	\$0	\$0	\$0	\$0
2511 Sliding Gate - Replace	\$0	\$0	\$0	\$0	\$0
2550 Kayak Locker - Replace	\$0	\$0	\$0	\$0	\$0
<b>Other/Miscellaneous</b>					
2179 Landscape Lights - Partial Replace	\$0	\$0	\$0	\$0	\$14,230
2181 Outdoor/Site Furniture - Replace	\$0	\$0	\$0	\$0	\$8,131
2587 Irrigation System - Repair/Refurb	\$0	\$0	\$0	\$0	\$6,098
<b>Total Expenses</b>	<b>\$36,122</b>	<b>\$122,779</b>	<b>\$12,934</b>	<b>\$0</b>	<b>\$33,744</b>
Ending Reserve Balance	\$407,430	\$320,908	\$344,554	\$382,088	\$386,749

<b>Fiscal Year</b>	<b>2047</b>	<b>2048</b>	<b>2049</b>	<b>2050</b>	<b>2051</b>
Starting Reserve Balance	\$386,749	\$426,048	\$451,802	\$294,574	\$335,059
Annual Reserve Funding	\$35,237	\$35,924	\$36,625	\$37,339	\$38,067
Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
Interest Earnings	\$4,062	\$4,387	\$3,730	\$3,147	\$2,634
<b>Total Income</b>	<b>\$426,048</b>	<b>\$466,359</b>	<b>\$492,157</b>	<b>\$335,059</b>	<b>\$375,760</b>
# Component					
<b>Great Oak Park</b>					
2101 Concrete Boat Ramp - Repair	\$0	\$0	\$33,319	\$0	\$0
2123 Asphalt - Seal/Repair	\$0	\$14,557	\$0	\$0	\$0
2125 Asphalt - Resurface	\$0	\$0	\$0	\$0	\$0
2137 Metal Fence - Replace	\$0	\$0	\$0	\$0	\$94,263
2139 Site Fencing: Wood - Replace	\$0	\$0	\$0	\$0	\$0
2146 Arbor - Repair/Replace	\$0	\$0	\$0	\$0	\$0
2175 Parking Lot Lights - Replace	\$0	\$0	\$0	\$0	\$0
2192 Boat Dock (Deck) - Resurface	\$0	\$0	\$67,638	\$0	\$0
2193 Boat Dock (Structure) - Replace	\$0	\$0	\$96,626	\$0	\$0
2511 Sliding Gate - Replace	\$0	\$0	\$0	\$0	\$56,558
2550 Kayak Locker - Replace	\$0	\$0	\$0	\$0	\$0
<b>Other/Miscellaneous</b>					
2179 Landscape Lights - Partial Replace	\$0	\$0	\$0	\$0	\$16,496
2181 Outdoor/Site Furniture - Replace	\$0	\$0	\$0	\$0	\$9,426
2587 Irrigation System - Repair/Refurb	\$0	\$0	\$0	\$0	\$7,070
<b>Total Expenses</b>	<b>\$0</b>	<b>\$14,557</b>	<b>\$197,584</b>	<b>\$0</b>	<b>\$183,812</b>
<b>Ending Reserve Balance</b>	<b>\$426,048</b>	<b>\$451,802</b>	<b>\$294,574</b>	<b>\$335,059</b>	<b>\$191,948</b>





## 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. 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 representatives 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.

In this engagement our compensation is not contingent upon our conclusions, and our liability in any matter involving this Reserve Study is limited to our fee for services rendered.



## Terms and Definitions

<b>BTU</b>	British Thermal Unit (a standard unit of energy)
<b>DIA</b>	Diameter
<b>GSF</b>	Gross Square Feet (area). Equivalent to Square Feet
<b>GSY</b>	Gross Square Yards (area). Equivalent to Square Yards
<b>HP</b>	Horsepower
<b>LF</b>	Linear Feet (length)
<b>Effective Age</b>	The difference between Useful Life and Remaining Useful Life. Note that this is not necessarily equivalent to the chronological age of the component.
<b>Fully Funded Balance (FFB)</b>	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.
<b>Inflation</b>	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.
<b>Interest</b>	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.
<b>Percent Funded</b>	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.
<b>Remaining Useful Life (RUL)</b>	The estimated time, in years, that a common area component can be expected to continue to serve its intended function.
<b>Useful Life (UL)</b>	The estimated time, in years, that a common area component can be expected to serve its intended function.