



# ASSOCIATION RESERVES™

Planning For The Inevitable™



# Welcome to your Reserve Study!

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.

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:

# Reserve Funding Plan

A multi-year funding plan based on current Reserve Fund strength that allows for component repairs & replacements to be completed in a timely manner, with an emphasis on avoiding "catch-up" funding sources.

# • Reserve Fund Strength

A calculation that measures how well the Reserve Fund has kept pace with the property's physical deterioration.

# • 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.

# Questions?

Please contact your Project Manager directly.



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# Reserve Study

# **Executive Summary**

## [YOUR PROPERTY NAME]

[Anywhere in the world]

Level of Service: Reserve Study- FULL

Report #: 17918-0

# of Units: 1

**July 1, 2019** through **June 30, 2020** 

## **Findings & Recommendations**

as	of	January	<sup>,</sup> 1.	2019
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Starting Reserve Balance	\$421,600
Fully Funded Reserve Balance	\$1,105,138
Average Reserve Deficit (Surplus) per Unit	\$683,538
%-Funded	38.1%
Recommended 2019 Annual "Full Funding" Reserve Contribution	\$132,650
Recommended 2019 "Additional Funding" for Reserves	\$0
Most recent Reserve Contribution Rate	\$0

Reserve Fund Strength (%-Funded)	Poor	Fair	Strong	
- ,	<30%	<70%		>130%
		*		
Risk of Cash Flow Problems	High	Medium	Low	-

#### **Economic Assumptions:**

Net Annual "After Tax" Interest Earnings	, accruing to Reserves	3 1.00%
Annual Inflation Rate		3.00%

#### **Comments:**

This is a Full Reserve Study (also called a Capital Plan), meaning it is an original analysis, created "from scratch", based on our site inspection on 10/8/2018. This Reserve Study was prepared by a credentialed Reserve Specialist (RS).

Because your Reserve Fund is above the 0-30% "weak" range but below the 70% level that typifies Reserve Fund strength at 38.1 % Funded, this represents a fair Reserve position. Properties in this range have a Medium risk of Reserve cash-flow problems (requiring additional funding and/or deferred maintenance) in the near future.

Based on this starting point, your anticipated future expenses, and your historical Reserve contribution rate, our strong recommendation to begin a regular pattern of annual Reserve contributions, to offset ongoing deterioration and build the Reserve Fund to a level that will provide for the timely execution of all Reserve projects.

Your major recent Reserve project was some exterior painting, accomplished in earlier 2018.

Your multi-year Funding Plan is designed to provide for timely execution of Reserve projects and gradually bring your property closer to the "Fully Funded" (100%-funded) level.

#	Component	Useful Life UL (years)	Remaining Useful Life RUL (years)	Current Average Cost (\$)
Gener	ral Common Areas			
201	Asphalt - Remove & Replace	25	10	\$189,500
202	Asphalt - Seal/Repair	5	0	\$10,125
204	Concrete Swales - Replace	25	10	\$11,000
320	Pole Lights - Replace	25	10	\$31,500
324	Exterior Wall Lights - Replace	20	5	\$2,100
413	Flag Pole - Replace	30	15	\$2,875
701	Sliding Entry Doors - Replace	20	5	\$16,000
1107	Metal Fence/Rail - Repaint	5	4	\$3,300
1113	Metal Surfaces - Repaint	5	4	\$8,100
1116	Wood Surfaces - Repaint	5	1	\$52,550
1121	Wood Siding - Replace	30	15	\$182,000
1303	Comp Shingle Roof - Replace	25	10	\$221,000
Build	ing Interior			
325	Fluorescent Strips - Replace	20	5	\$14,000
325	Interior Lights - Replace	20	5	\$16,500
601	Carpet - Replace	10	2	\$110,000
602	Linoleum Flooring - Replace	10	2	\$20,550
603	Tile Floor - Replace	25	10	\$74,900
904	Built-In Furniture - Replace	25	10	\$145,500
908	Window Treatments - Replace	20	5	\$8,000
909	Bathrooms - Refurbish	20	5	\$40,000
1110	Interior Surfaces - Repaint	10	2	\$32,350
1111	Interior Wood Surfaces - Repaint	10	2	\$7,875
Mech	anical & Systems			
302	Generator - Replace	30	15	\$125,000
303	Liquid Chiller - Replace	25	10	\$120,000
304	Liquid Chiller - Refurbish	10	0	\$67,500
305	Air Handlers - Replace	20	5	\$9,000
312	Cooling Tower - Replace	20	5	\$55,500
330	Backup Lighting System - Replace	20	5	\$12,500
801	HVAC Boiler - Replace	20	5	\$20,000
1801	Elevator - Modernize	25	10	\$72,500
1802	Elevator Cab - Remodel	15	7	\$10,000
1803	Fire Alarm Panels - Replace	20	5	\$28,750
32	Total Funded Components			

Yellow highlights indicate items with RUL = 0 years, requiring attention in 2019.

#### Introduction



A Capital Plan is the art and science of anticipating, and preparing for, a property major predictable 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 Capital Plan is your Component List (what you are reserving for). This is because the Component List defines the scope and schedule of all your anticipated upcoming major, predictable capital projects. Based on that List and your starting balance, we calculate the property Capital Fund Strength (reported in terms of "Percent Funded"). Then we compute a Funding Plan to provide for the needs of the property. These form the three results of your Capital Plan.



RESERVE STUDY RESULTS

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

# Methodology



For this <u>Capital Plan</u>, we started with a review of ownership bounderies, as detailed by property, recent Capital expenditures, an evaluation of how expenditures are handled (ongoing maintenance vs Capital), and research into any well-established historical precedents. We performed

an on-site inspection to quantify and evaluate your major predictable, creating your Reserve Component List *from scratch*.

#### Which Physical Assets are Funded by Reserves?

There is a national-standard four-part test to determine which expenses should appear in your Component List. First, it must be a 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 property total budget). This limits Capital Components to major, predictable expenses.



RESERVE COMPONENT "FOUR-PART TEST"

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) Property Reserves database of experience
- 3) Property 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 property cost history, or current proposals
- Comparison to Property Reserves database of work done at similar properties
- 3) Vendor Recommendations
- 4) Reliable National Industry cost estimating guidebooks

# How much Reserves are enough?

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

Adequacy is measured in a two-step process:

Each year, the value of deterioration at the

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



SPECIAL ASSESSMENT RISK property 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 funding needs and deferred maintenance when the Percent Funded is weak, below 30%. Approximately 30% of all properties 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 funding needs).

Measuring your Capital Funds by Percent Funded tells how well prepared your property is for upcoming Reserve expenses. Those charged with maintaining the physical property should be very aware of this important figure!

#### 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 <u>sufficient cash</u> to perform your Reserve projects on time. Second, a <u>stable contribution</u> is desirable because it keeps these naturally irregular expenses from unsettling the budget.

Reserve contributions that are <u>evenly distributed</u> over current and future owners enable each owner to pay their fair share of the property's Reserve expenses over the years. And finally, we develop a plan that is <u>fiscally responsible</u> and safe for Boardmembers to recommend to their property. Remember, it is the Board's <u>job</u> to provide for the ongoing care of the real property that supports your entity mission.

# 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 properties in the 70 - 130% range *enjoy a low risk of special funding needs or deferred maintenance*.



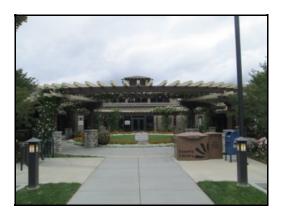
**FUNDING OBJECTIVES** 

Allowing the Reserves to fall close to zero, but not below zero, is called <u>Baseline Funding</u>. Doing so allows the Reserve Fund to drop into the 0 - 30% range, where there is a high risk of special funding needs & 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. <u>Threshold Funding</u> 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 10/8/2018, we started with a brief meeting with City Manager Mike Vostich, and then started the site inspection beginning with the mechanical room area. We visually inspected all building areas. We were not able to inspect the air handlers in the attic area (locked, no access).

Please refer to the Photographic Inventory Appendix for additional information on each of your Reserve components.





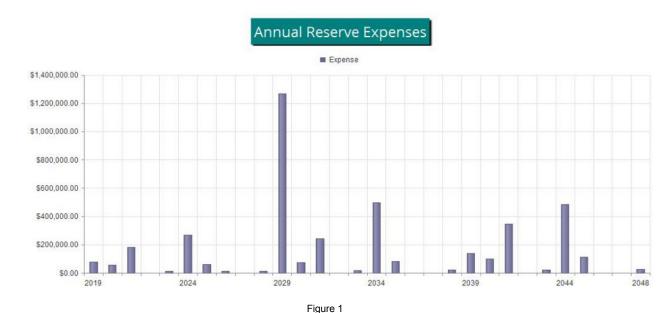




# **Projected Expenses**

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 facility 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. Note the large upcoming expense year, comprised of a combination of asphalt resurfacing and roof replacement.

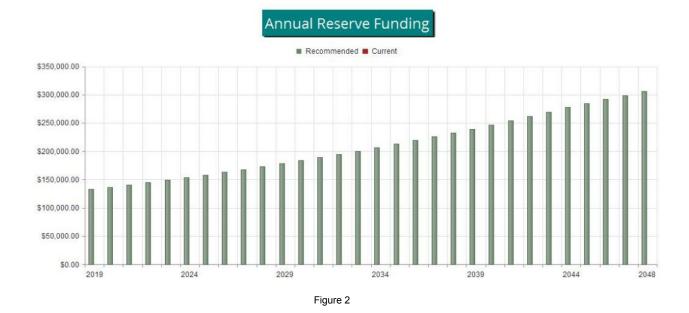


#### **Reserve Fund Status**

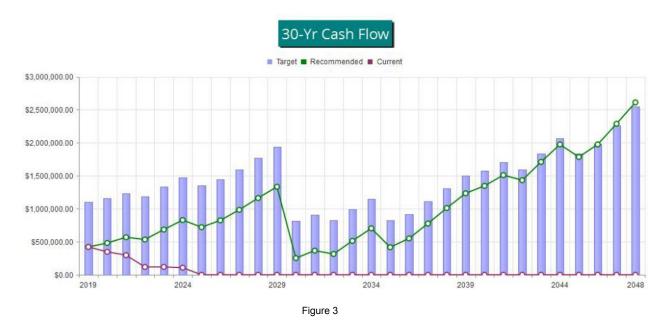
The starting point for our financial analysis is your Reserve Fund balance, projected to be \$421,600 as-of the start of your Fiscal Year on 7/1/2019. This is based on your actual balance on10/31/2018 of \$437,619 and anticipated Reserve contributions and expenses projected through the end of your Fiscal Year. As of your Fiscal Year Start, your Fully Funded Balance is computed to be \$1,105,138. This figure represents the deteriorated value of your common area components. Comparing your Reserve Balance to your Fully Funded Balance indicates your Reserves are 38.1 % Funded. Across the country approximately 20% of associations that are between 30%-40% Funded experience financial shortfalls, or deferred maintenance due to those shortfalls.

## Recommended Funding Plan

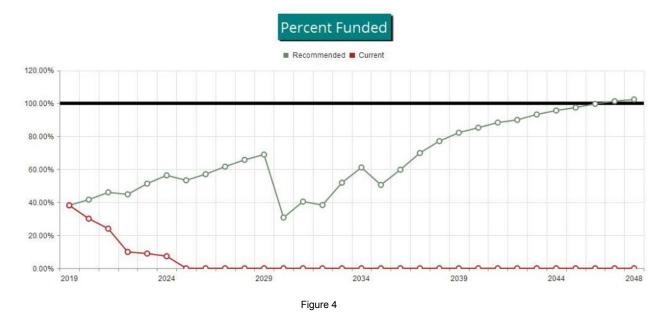
Based on your current Percent Funded and your near-term and long-term Reserve needs, we are recommending budgeted contributions of \$132,650 per month this Fiscal Year instead of the casual approach the City has takn in prior years, funding when the budget allows. The overall 30-yr plan, in perspective, is shown below. This same information is shown numerically in both the 30-yr Summary and the Cash Flow Detail tables.



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.



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.



## **Table Descriptions**

The tabular information in this Report is broken down into nine tables, not all which may have been chosen by your Project Manager to appear in your report. Tables are listed in the order in which they appear in your Report.

Executive Summary is a summary of your Reserve Components

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

Analysis Summary provides a summary of the starting financial information and your Project Manager's Financial Analysis decision points.

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

<u>Fully Funded Balance</u> 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 your 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.

<u>Accounting-Tax Summary provides information on each Component's proportionate portion of key totals, valuable to accounting professionals primarily during tax preparation time of year.</u>

<u>30-Yr Reserve Plan Summary</u> 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 funding needs risk at the beginning of each year.

<u>30-Year Income/Expense Detail</u> 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.

				Rem.	Current Cos	st Estimate
# C	component	Quantity	Useful Life	Useful Life	Best Case	Worst Case
G	eneral Common Areas					
201 As	sphalt - Remove & Replace	Approx 63100 GSF	25	10	\$158,000	\$221,000
202 As	sphalt - Seal/Repair	Approx 63100 GSF	5	0	\$8,850	\$11,400
204 Cd	oncrete Swales - Replace	Approx 1000 GSF	25	10	\$10,000	\$12,000
320 Pc	ole Lights - Replace	(18) Fixtures 20' Tall	25	10	\$27,000	\$36,000
324 Ex	xterior Wall Lights - Replace	(12) Fixtures	20	5	\$1,800	\$2,400
413 Fl	lag Pole - Replace	(1) Flag Pole	30	15	\$2,500	\$3,250
701 SI	liding Entry Doors - Replace	(2) Metal/Glass Doors	20	5	\$12,000	\$20,000
1107 M	letal Fence/Rail - Repaint	Approx 300 LF	5	4	\$3,000	\$3,600
1113 M	letal Surfaces - Repaint	Ext. Doors/Trash Gates	5	4	\$7,100	\$9,100
1116 W	/ood Surfaces - Repaint	Approx 23300 GSF	5	1	\$46,600	\$58,500
1121 W	/ood Siding - Replace	Approx 10100 GSF	30	15	\$162,000	\$202,000
1303 Cd	omp Shingle Roof - Replace	Approx 40200 GSF	25	10	\$201,000	\$241,000
Вι	uilding Interior					
325 FI	luorescent Strips - Replace	Approx (50) Fixtures	20	5	\$12,000	\$16,000
325 In	nterior Lights - Replace	(88) Fixtures	20	5	\$13,200	\$19,800
601 Ca	arpet - Replace	Approx 2000 GSY	10	2	\$100,000	\$120,000
602 Liı	inoleum Flooring - Replace	Approx 2930 GSF	10	2	\$17,600	\$23,500
603 Til	ile Floor - Replace	Approx 4680 GSF	25	10	\$70,200	\$79,600
904 Bu	uilt-In Furniture - Replace	Approx 415 LF	25	10	\$125,000	\$166,000
908 W	/indow Treatments - Replace	(20) Pull-Down Blinds	20	5	\$6,000	\$10,000
909 Ba	athrooms - Refurbish	(10) Bathrooms	20	5	\$35,000	\$45,000
1110 In	nterior Surfaces - Repaint	Approx 46300 GSF	10	2	\$27,500	\$37,200
1111 In	nterior Wood Surfaces - Repaint	Approx 4500 GSF	10	2	\$6,750	\$9,000
Me	lechanical and Systems					
302 G	enerator - Replace	(1) Onan 350 KW Diesel	30	15	\$110,000	\$140,000
303 Li	iquid Chiller - Replace	(1) Carrier	25	10	\$100,000	\$140,000
304 Li	iquid Chiller - Refurbish	(1) Carrier	10	0	\$60,000	\$75,000
305 Ai	ir Handlers - Replace	(3) Units	20	5	\$7,500	\$10,500
312 Cd	ooling Tower - Replace	(1) 85 Ton Recold	20	5	\$43,000	\$68,000
330 Ba	ackup Lighting System - Replace	(1) System	20	5	\$10,000	\$15,000
801 H	VAC Boiler - Replace	(1) Raypak, 1.2MBTU/hr	20	5	\$16,000	\$24,000
1801 El	levator - Modernize	(1) 3 Stop Elevator	25	10	\$65,000	\$80,000
1802 El	levator Cab - Remodel	(1) Cab	15	7	\$8,000	\$12,000
1803 Fi	ire Alarm Panels - Replace	(2) Simplex	20	5	\$22,500	\$35,000

<sup>32</sup> Total Funded Components

# Fully Funded Balance

Part   Part			Current						Fully
Ceneral Common Areas			Cost		Effective		Useful		Funded
201 Asphalt - Remove & Replace	#	Component	Estimate	X	Age	1	Life	=	Balance
202 Asphalt - Seal/Repair   \$10,125   X		General Common Areas							
204   Concrete Swales - Replace	201	Asphalt - Remove & Replace	\$189,500	Χ	15	/	25	=	\$113,700
320 Pole Lights - Replace   \$31,500   X   15   /   25   =   \$1,600     324 Exterior Wall Lights - Replace   \$2,2100   X   15   /   20   =   \$1,575     413 Flag Pole - Replace   \$2,875   X   15   /   20   =   \$1,438     701 Silding Entry Doors - Replace   \$16,000   X   15   /   55   =   \$16,000     1117 Metal Fence/Rail - Repaint   \$3,300   X   1   /   55   =   \$6,000     1118 Metal Surfaces - Repaint   \$82,000   X   1   /   5   \$42,040     1114 Wood Siding - Replace   \$182,000   X   15   /   50   \$132,000     112 Wood Siding - Replace   \$182,000   X   15   /   20   \$132,000     112 Hwood Siding - Replace   \$140,000   X   15   /   20   \$132,000     325 Fluorescent Strips - Replace   \$16,000   X   15   /   20   \$132,050	202	Asphalt - Seal/Repair	\$10,125	Х	5	/	5	=	\$10,125
324 Exterior Wall Lights - Replace   \$2,100   X   15   /   20   =   \$1,575     413 Flag Pole - Replace   \$2,875   X   15   /   30   =   \$1,438     701 Silding Entry Doors - Replace   \$16,000   X   15   /   20   =   \$12,000     1107 Metal Fence/Rail - Repaint   \$3,300   X   1   /   5   =   \$660     1116 Wood Surfaces - Repaint   \$81,000   X   15   /   5   =   \$16,200     1116 Wood Surfaces - Repaint   \$52,550   X   4   /   5   =   \$42,040     1111 Wood Surfaces - Repaint   \$52,550   X   4   /   5   =   \$42,040     1121 Wood Surfaces - Repaint   \$52,550   X   4   /   5   =   \$42,040     1121 Wood Surfaces - Repaint   \$52,500   X   15   /   20   =   \$13,000     1121 Wood Surfaces - Repaine   \$14,000   X   15   /	204	Concrete Swales - Replace	\$11,000	Χ	15	/	25	=	\$6,600
13 Flag Pole - Replace   \$2,875   X	320	Pole Lights - Replace	\$31,500	Х	15	/	25	=	\$18,900
Note   Part   Part	324	Exterior Wall Lights - Replace	\$2,100	Х	15	/	20	=	\$1,575
Metal Fence/Rail - Repaint	413	Flag Pole - Replace	\$2,875	Χ	15	/	30	=	\$1,438
1113   Metal Surfaces - Repaint   \$8,100   X	701	Sliding Entry Doors - Replace	\$16,000	Х	15	/	20	=	\$12,000
1116 Wood Surfaces - Repaint   \$52,550 X   4 / 5 = \$42,040     1121 Wood Siding - Replace   \$182,000 X   15 / 25 = \$132,600     1303 Comp Shingle Roof - Replace   \$221,000 X   15 / 25 = \$132,600     Building Interior     325 Fluorescent Strips - Replace   \$14,000 X   15 / 20 = \$10,500     325 Interior Lights - Replace   \$16,500 X   15 / 20 = \$12,375     601 Carpet - Replace   \$10,000 X   8 / 10 = \$88,000     602 Linoleum Flooring - Replace   \$20,550 X   8 / 10 = \$16,440     603 Tile Floor - Replace   \$74,900 X   15 / 25 = \$44,940     604 Built-In Furniture - Replace   \$145,500 X   15 / 25 = \$87,300     908 Window Treatments - Replace   \$8,000 X   15 / 25 = \$87,300     908 Window Treatments - Replace   \$8,000 X   15 / 20 = \$6,000     909 Bathrooms - Refurbish   \$40,000 X   15 / 20 = \$6,000     1110 Interior Surfaces - Repaint   \$32,350 X   8 / 10 = \$25,880     1111 Interior Wood Surfaces - Repaint   \$32,350 X   8 / 10 = \$6,300     Mechanical and Systems   \$32,500 X   15 / 20 = \$6,000     302 Generator - Replace   \$120,0	1107	Metal Fence/Rail - Repaint	\$3,300	Χ	1	/	5	=	\$660
1121   Wood Siding - Replace   \$182,000   X   15	1113	Metal Surfaces - Repaint	\$8,100	Χ	1	/	5	=	\$1,620
Suliding Interior	1116	Wood Surfaces - Repaint	\$52,550	Χ	4	/	5	=	\$42,040
Building Interior   325   Fluorescent Strips - Replace   \$14,000   X   15	1121	Wood Siding - Replace	\$182,000	Χ	15	/	30	=	\$91,000
325 Fluorescent Strips - Replace	1303	Comp Shingle Roof - Replace	\$221,000	Χ	15	/	25	=	\$132,600
325 Interior Lights - Replace   \$16,500 X   15 / 20 = \$12,375     601 Carpet - Replace   \$110,000 X   8 / 10 = \$88,000     602 Linoleum Flooring - Replace   \$20,550 X   8 / 10 = \$16,440     603 Tile Floor - Replace   \$74,900 X   15 / 25 = \$44,940     904 Built-In Furniture - Replace   \$145,500 X   15 / 25 = \$87,300     908 Window Treatments - Replace   \$8,000 X   15 / 20 = \$6,000     909 Bathrooms - Refurbish   \$40,000 X   15 / 20 = \$30,000     1110 Interior Surfaces - Repaint   \$32,350 X   8 / 10 = \$25,880     1111 Interior Wood Surfaces - Repaint   \$7,875 X   8 / 10 = \$63,000     Mechanical and Systems   \$125,000 X   15 / 25 = \$72,000     302 Generator - Replace   \$125,000 X   15 / 25 = \$72,000     303 Liquid Chiller - Replace   \$120,000 X   15 / 25 = \$72,000     304 Liquid Chiller - Replace   \$9,000 X   15 / 20 = \$6,750     312 Cooling Tower - Replace   \$55,500 X   15 / 20 = \$6,750     312 Cooling Tower - Replace   \$12,500 X   15 / 20 = \$41,625     320 Backup Lighting System - Replace   \$12,500 X   15 / 20 = \$41,625		Building Interior							
601 Carpet - Replace   \$110,000   X   8   /   10   =   \$88,000     602 Linoleum Flooring - Replace   \$20,550   X   8   /   10   =   \$16,440     603 Tile Floor - Replace   \$74,900   X   15   /   25   =   \$44,940     904 Built-In Furniture - Replace   \$145,500   X   15   /   25   =   \$87,300     908 Window Treatments - Replace   \$8,000   X   15   /   20   =   \$6,000     909 Bathrooms - Refurbish   \$40,000   X   15   /   20   =   \$30,000     909 Bathrooms - Refurbish   \$40,000   X   15   /   20   =   \$30,000     1110 Interior Surfaces - Repaint   \$7,875   X   8   /   10   =   \$25,880     1111 Interior Wood Surfaces - Repaint   \$7,875   X   8   /   10   =   \$6,300     Mechanical and Systems     30   Elevator - Replace	325	Fluorescent Strips - Replace	\$14,000	Χ	15	/	20	=	\$10,500
602 Linoleum Flooring - Replace   \$20,550   X   8   /   10   =   \$16,440     603 Tile Floor - Replace   \$74,900   X   15   /   25   =   \$44,940     904 Built-In Furniture - Replace   \$145,500   X   15   /   25   =   \$87,300     908 Window Treatments - Replace   \$8,000   X   15   /   20   =   \$6,000     909 Bathrooms - Refurbish   \$40,000   X   15   /   20   =   \$30,000     1110 Interior Surfaces - Repaint   \$32,350   X   8   /   10   =   \$25,880     1111 Interior Wood Surfaces - Repaint   \$7,875   X   8   /   10   =   \$6,300     Mechanical and Systems     302 Generator - Replace   \$125,000   X   15   /   30   =   \$62,500     303 Liquid Chiller - Replace   \$120,000   X   15   /   25   =   \$72,000     304 Liquid Chiller - Refurbish	325	Interior Lights - Replace	\$16,500	Χ	15	/	20	=	\$12,375
603 Tile Floor - Replace \$74,900 X 15 / 25 = \$44,940   904 Built-In Furniture - Replace \$145,500 X 15 / 25 = \$87,300   908 Window Treatments - Replace \$8,000 X 15 / 20 = \$6,000   909 Bathrooms - Refurbish \$40,000 X 15 / 20 = \$30,000   1110 Interior Surfaces - Repaint \$32,350 X 8 / 10 = \$25,880   1111 Interior Wood Surfaces - Repaint \$7,875 X 8 / 10 = \$66,300   Mechanical and Systems   302 Generator - Replace \$125,000 X 15 / 25 = \$72,000   303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$43,500   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 / 25 = \$43,500	601	Carpet - Replace	\$110,000	Χ	8	/	10	=	\$88,000
904 Built-In Furniture - Replace \$145,500 X 15 / 25 = \$87,300 908 Window Treatments - Replace \$8,000 X 15 / 20 = \$6,000 909 Bathrooms - Refurbish \$40,000 X 15 / 20 = \$30,000 1110 Interior Surfaces - Repaint \$32,350 X 8 / 10 = \$25,880 1111 Interior Wood Surfaces - Repaint \$7,875 X 8 / 10 = \$6,300	602	Linoleum Flooring - Replace	\$20,550	Χ	8	/	10	=	\$16,440
908 Window Treatments - Replace \$8,000 X 15 / 20 = \$6,000   909 Bathrooms - Refurbish \$40,000 X 15 / 20 = \$30,000   1110 Interior Surfaces - Repaint \$32,350 X 8 / 10 = \$25,880   1111 Interior Wood Surfaces - Repaint \$7,875 X 8 / 10 = \$6,300   Mechanical and Systems   302 Generator - Replace \$125,000 X 15 / 25 = \$72,000   303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	603	Tile Floor - Replace	\$74,900	Χ	15	/	25	=	\$44,940
909 Bathrooms - Refurbish \$40,000 X 15 / 20 = \$30,000   1110 Interior Surfaces - Repaint \$32,350 X 8 / 10 = \$25,880   1111 Interior Wood Surfaces - Repaint \$7,875 X 8 / 10 = \$6,300   Mechanical and Systems   302 Generator - Replace \$125,000 X 15 / 25 = \$72,000   303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 / 5 = \$5,333	904	Built-In Furniture - Replace	\$145,500	Χ	15	/	25	=	\$87,300
1110 Interior Surfaces - Repaint \$32,350 X 8 / 10 = \$25,880   1111 Interior Wood Surfaces - Repaint \$7,875 X 8 / 10 = \$6,300   Mechanical and Systems   302 Generator - Replace \$125,000 X 15 / 30 = \$62,500   303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	908	Window Treatments - Replace	\$8,000	Χ	15	/	20	=	\$6,000
1111 Interior Wood Surfaces - Repaint \$7,875 X 8 / 10 = \$6,300   Mechanical and Systems   302 Generator - Replace \$125,000 X 15 / 30 = \$62,500   303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel	909	Bathrooms - Refurbish	\$40,000	Χ	15	/	20	=	\$30,000
Mechanical and Systems   302 Generator - Replace \$125,000 X 15 / 30 = \$62,500   303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	1110	Interior Surfaces - Repaint	\$32,350	Χ	8	/	10	=	\$25,880
302 Generator - Replace \$125,000 X 15 / 30 = \$62,500   303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	1111	Interior Wood Surfaces - Repaint	\$7,875	Χ	8	1	10	=	\$6,300
303 Liquid Chiller - Replace \$120,000 X 15 / 25 = \$72,000   304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333		Mechanical and Systems							
304 Liquid Chiller - Refurbish \$67,500 X 10 / 10 = \$67,500   305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	302	Generator - Replace	\$125,000	Χ	15	/	30	=	\$62,500
305 Air Handlers - Replace \$9,000 X 15 / 20 = \$6,750   312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	303	Liquid Chiller - Replace	\$120,000	Χ	15	/	25	=	\$72,000
312 Cooling Tower - Replace \$55,500 X 15 / 20 = \$41,625   330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	304	Liquid Chiller - Refurbish	\$67,500	Χ	10	/	10	=	\$67,500
330 Backup Lighting System - Replace \$12,500 X 15 / 20 = \$9,375   801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	305	Air Handlers - Replace	\$9,000	Χ	15	/	20	=	\$6,750
801 HVAC Boiler - Replace \$20,000 X 15 / 20 = \$15,000   1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	312	Cooling Tower - Replace	\$55,500	Χ	15	/	20	=	\$41,625
1801 Elevator - Modernize \$72,500 X 15 / 25 = \$43,500   1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	330	Backup Lighting System - Replace	\$12,500	Χ	15	1	20	=	\$9,375
1802 Elevator Cab - Remodel \$10,000 X 8 / 15 = \$5,333	801	HVAC Boiler - Replace	\$20,000	Χ	15	1	20	=	\$15,000
	1801	Elevator - Modernize	\$72,500	Χ	15	1	25	=	\$43,500
1902 Fire Marm Papala Poplace #04 500	1802	Elevator Cab - Remodel	\$10,000	Χ	8	1	15	=	\$5,333
1005 File Mailli Fallels - Replace \$20,750 A 15 / 20 = \$21,503	1803	Fire Alarm Panels - Replace	\$28,750	Χ	15	1	20	=	\$21,563

\$1,105,138

# Component Significance

			<b>Current Cost</b>	Deterioration	Deterioration
#	Component	Useful Life (yrs)	Estimate	Cost/Yr	Significance
	General Common Areas				
201	Asphalt - Remove & Replace	25	\$189,500	\$7,580	7.95 %
202	Asphalt - Seal/Repair	5	\$10,125	\$2,025	2.12 %
204	Concrete Swales - Replace	25	\$11,000	\$440	0.46 %
320	Pole Lights - Replace	25	\$31,500	\$1,260	1.32 %
324	Exterior Wall Lights - Replace	20	\$2,100	\$105	0.11 %
413	Flag Pole - Replace	30	\$2,875	\$96	0.10 %
701	Sliding Entry Doors - Replace	20	\$16,000	\$800	0.84 %
1107	Metal Fence/Rail - Repaint	5	\$3,300	\$660	0.69 %
1113	Metal Surfaces - Repaint	5	\$8,100	\$1,620	1.70 %
1116	Wood Surfaces - Repaint	5	\$52,550	\$10,510	11.02 %
1121	Wood Siding - Replace	30	\$182,000	\$6,067	6.36 %
1303	Comp Shingle Roof - Replace	25	\$221,000	\$8,840	9.27 %
	Building Interior				
325	Fluorescent Strips - Replace	20	\$14,000	\$700	0.73 %
325	Interior Lights - Replace	20	\$16,500	\$825	0.86 %
601	Carpet - Replace	10	\$110,000	\$11,000	11.53 %
602	Linoleum Flooring - Replace	10	\$20,550	\$2,055	2.15 %
603	Tile Floor - Replace	25	\$74,900	\$2,996	3.14 %
904	Built-In Furniture - Replace	25	\$145,500	\$5,820	6.10 %
908	Window Treatments - Replace	20	\$8,000	\$400	0.42 %
909	Bathrooms - Refurbish	20	\$40,000	\$2,000	2.10 %
1110	Interior Surfaces - Repaint	10	\$32,350	\$3,235	3.39 %
1111	Interior Wood Surfaces - Repaint	10	\$7,875	\$788	0.83 %
	Mechanical and Systems				
302	Generator - Replace	30	\$125,000	\$4,167	4.37 %
303	Liquid Chiller - Replace	25	\$120,000	\$4,800	5.03 %
304	Liquid Chiller - Refurbish	10	\$67,500	\$6,750	7.08 %
305	Air Handlers - Replace	20	\$9,000	\$450	0.47 %
312	Cooling Tower - Replace	20	\$55,500	\$2,775	2.91 %
330	Backup Lighting System - Replace	20	\$12,500	\$625	0.66 %
801	HVAC Boiler - Replace	20	\$20,000	\$1,000	1.05 %
1801	Elevator - Modernize	25	\$72,500	\$2,900	3.04 %
1802	Elevator Cab - Remodel	15	\$10,000	\$667	0.70 %
1803	Fire Alarm Panels - Replace	20	\$28,750	\$1,438	1.51 %
32	Total Funded Components			\$95,392	100.00 %

Fiscal Year Start: 2019	Interest:	1.00 %	Inflation:	3.00 %
Reserve Fund Strength Calculations: (All values of Fiscal Year Start Date)		Projected Reserve Balar	nce Changes	

					% Increase				
	Starting	Fully		Special	In Annual		Loan or		
	Reserve	Funded	Percent	Funding Needs	Reserve	Reserve	Special	Interest	Reserve
Year	Balance	Balance	Funded	Risk	Contribs.	Contribs.	Funding Needs	Income	Expenses
2019	\$421,600	\$1,105,138	38.1 %	Medium	0.00 %	\$132,650	\$0	\$4,512	\$77,625
2020	\$481,137	\$1,156,592	41.6 %	Medium	3.00 %	\$136,630	\$0	\$5,248	\$54,127
2021	\$568,888	\$1,236,741	46.0 %	Medium	3.00 %	\$140,728	\$0	\$5,512	\$181,175
2022	\$533,953	\$1,191,470	44.8 %	Medium	3.00 %	\$144,950	\$0	\$6,092	\$0
2023	\$684,995	\$1,334,578	51.3 %	Medium	3.00 %	\$149,299	\$0	\$7,567	\$12,831
2024	\$829,030	\$1,471,985	56.3 %	Medium	3.00 %	\$153,778	\$0	\$7,747	\$269,502
2025	\$721,053	\$1,352,460	53.3 %	Medium	3.00 %	\$158,391	\$0	\$7,724	\$62,747
2026	\$824,420	\$1,445,724	57.0 %	Medium	3.00 %	\$163,143	\$0	\$9,040	\$12,299
2027	\$984,304	\$1,597,268	61.6 %	Medium	3.00 %	\$168,037	\$0	\$10,732	\$0
2028	\$1,163,073	\$1,769,651	65.7 %	Medium	3.00 %	\$173,078	\$0	\$12,479	\$14,874
2029	\$1,333,756	\$1,935,618	68.9 %	Medium	3.00 %	\$178,271	\$0	\$7,925	\$1,268,019
2030	\$251,933	\$819,672	30.7 %	Medium	3.00 %	\$183,619	\$0	\$3,088	\$72,741
2031	\$365,898	\$905,344	40.4 %	Medium	3.00 %	\$189,127	\$0	\$3,403	\$243,484
2032	\$314,943	\$821,802	38.3 %	Medium	3.00 %	\$194,801	\$0	\$4,142	\$0
2033	\$513,887	\$990,745	51.9 %	Medium	3.00 %	\$200,645	\$0	\$6,084	\$17,244
2034	\$703,372	\$1,151,324	61.1 %	Medium	3.00 %	\$206,664	\$0	\$5,600	\$498,550
2035	\$417,087	\$825,433	50.5 %	Medium	3.00 %	\$212,864	\$0	\$4,836	\$84,327
2036	\$550,459	\$921,007	59.8 %	Medium	3.00 %	\$219,250	\$0	\$6,631	\$0
2037	\$776,341	\$1,111,036	69.9 %	Medium	3.00 %	\$225,828	\$0	\$8,933	\$0
2038	\$1,011,102	\$1,311,637	77.1 %	Low	3.00 %	\$232,603	\$0	\$11,225	\$19,990
2039	\$1,234,940	\$1,502,685	82.2 %	Low	3.00 %	\$239,581	\$0	\$12,905	\$140,199
2040	\$1,347,227	\$1,580,817	85.2 %	Low	3.00 %	\$246,768	\$0	\$14,283	\$97,758
2041	\$1,510,519	\$1,710,331	88.3 %	Low	3.00 %	\$254,171	\$0	\$14,711	\$346,384
2042	\$1,433,018	\$1,593,129	89.9 %	Low	3.00 %	\$261,796	\$0	\$15,711	\$0
2043	\$1,710,525	\$1,834,835	93.2 %	Low	3.00 %	\$269,650	\$0	\$18,422	\$23,174
2044	\$1,975,423	\$2,065,741	95.6 %	Low	3.00 %	\$277,740	\$0	\$18,795	\$486,751
2045	\$1,785,207	\$1,832,080	97.4 %	Low	2.50 %	\$284,683	\$0	\$18,795	\$113,329
2046	\$1,975,356	\$1,982,207	99.7 %	Low	2.50 %	\$291,800	\$0	\$21,310	\$0
2047	\$2,288,467	\$2,259,923	101.3 %	Low	2.50 %	\$299,095	\$0	\$24,492	\$0
2048	\$2,612,054	\$2,552,517	102.3 %	Low	2.50 %	\$306,573	\$0	\$27,646	\$26,865

	Fiscal Year	2019	2020	2021	2022	2023
	Starting Reserve Balance	\$421,600	\$481,137	\$568,888	\$533,953	\$684,995
	Annual Reserve Contribution	\$132,650	\$136,630	\$140,728	\$144,950	\$149,299
	Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
	Interest Earnings	\$4,512	\$5,248	\$5,512	\$6,092	\$7,567
	Total Income	\$558,762	\$623,014	\$715,128	\$684,995	\$841,861
#	Component					
	General Common Areas					
	Asphalt - Remove & Replace	\$0	\$0	\$0	\$0	\$0
	Asphalt - Seal/Repair	\$10,125	\$0	\$0	\$0	\$0
204	Concrete Swales - Replace	\$0	\$0	\$0	\$0	\$0
320	Pole Lights - Replace	\$0	\$0	\$0	\$0	\$0
	Exterior Wall Lights - Replace	\$0	\$0	\$0	\$0	\$0
413	Flag Pole - Replace	\$0	\$0	\$0	\$0	\$0
701	Sliding Entry Doors - Replace	\$0	\$0	\$0	\$0	\$0
1107	Metal Fence/Rail - Repaint	\$0	\$0	\$0	\$0	\$3,714
1113	Metal Surfaces - Repaint	\$0	\$0	\$0	\$0	\$9,117
1116	Wood Surfaces - Repaint	\$0	\$54,127	\$0	\$0	\$0
1121	Wood Siding - Replace	\$0	\$0	\$0	\$0	\$0
1303	Comp Shingle Roof - Replace	\$0	\$0	\$0	\$0	\$0
	Building Interior					
325	Fluorescent Strips - Replace	\$0	\$0	\$0	\$0	\$0
325	Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
601	Carpet - Replace	\$0	\$0	\$116,699	\$0	\$0
602	Linoleum Flooring - Replace	\$0	\$0	\$21,801	\$0	\$0
603	Tile Floor - Replace	\$0	\$0	\$0	\$0	\$0
904	Built-In Furniture - Replace	\$0	\$0	\$0	\$0	\$0
908	Window Treatments - Replace	\$0	\$0	\$0	\$0	\$0
909	Bathrooms - Refurbish	\$0	\$0	\$0	\$0	\$0
1110	Interior Surfaces - Repaint	\$0	\$0	\$34,320	\$0	\$0
1111	Interior Wood Surfaces - Repaint	\$0	\$0	\$8,355	\$0	\$0
	Mechanical and Systems					
302	Generator - Replace	\$0	\$0	\$0	\$0	\$0
303	Liquid Chiller - Replace	\$0	\$0	\$0	\$0	\$0
304	Liquid Chiller - Refurbish	\$67,500	\$0	\$0	\$0	\$0
305	Air Handlers - Replace	\$0	\$0	\$0	\$0	\$0
312	Cooling Tower - Replace	\$0	\$0	\$0	\$0	\$0
330	Backup Lighting System - Replace	\$0	\$0	\$0	\$0	\$0
801	HVAC Boiler - Replace	\$0	\$0	\$0	\$0	\$0
1801	Elevator - Modernize	\$0	\$0	\$0	\$0	\$0
1802	Elevator Cab - Remodel	\$0	\$0	\$0	\$0	\$0
1803	Fire Alarm Panels - Replace	\$0	\$0	\$0	\$0	\$0
	Total Expenses	\$77,625	\$54,127	\$181,175	\$0	\$12,831
	Ending Reserve Balance	\$481,137	\$568,888	\$533,953	\$684,995	\$829,030

	Fiscal Year	2024	2025	2026	2027	2028
	Starting Reserve Balance	\$829,030	\$721,053	\$824,420	\$984,304	\$1,163,073
	Annual Reserve Contribution	\$153,778	\$158,391	\$163,143	\$168,037	\$173,078
	Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
	Interest Earnings	\$7,747	\$7,724	\$9,040	\$10,732	\$12,479
	Total Income	\$990,555	\$887,168	\$996,603	\$1,163,073	\$1,348,630
#	Component					
	General Common Areas					
201	Asphalt - Remove & Replace	\$0	\$0	\$0	\$0	\$0
202	Asphalt - Seal/Repair	\$11,738	\$0	\$0	\$0	\$0
204	Concrete Swales - Replace	\$0	\$0	\$0	\$0	\$0
320	Pole Lights - Replace	\$0	\$0	\$0	\$0	\$0
324	Exterior Wall Lights - Replace	\$2,434	\$0	\$0	\$0	\$0
413	Flag Pole - Replace	\$0	\$0	\$0	\$0	\$0
701	Sliding Entry Doors - Replace	\$18,548	\$0	\$0	\$0	\$0
1107	Metal Fence/Rail - Repaint	\$0	\$0	\$0	\$0	\$4,306
1113	Metal Surfaces - Repaint	\$0	\$0	\$0	\$0	\$10,569
1116	Wood Surfaces - Repaint	\$0	\$62,747	\$0	\$0	\$0
1121	Wood Siding - Replace	\$0	\$0	\$0	\$0	\$0
1303	Comp Shingle Roof - Replace	\$0	\$0	\$0	\$0	\$0
	Building Interior					
325	Fluorescent Strips - Replace	\$16,230	\$0	\$0	\$0	\$0
325	Interior Lights - Replace	\$19,128	\$0	\$0	\$0	\$0
601	Carpet - Replace	\$0	\$0	\$0	\$0	\$0
602	Linoleum Flooring - Replace	\$0	\$0	\$0	\$0	\$0
603	Tile Floor - Replace	\$0	\$0	\$0	\$0	\$0
904	Built-In Furniture - Replace	\$0	\$0	\$0	\$0	\$0
	Window Treatments - Replace	\$9,274	\$0	\$0	\$0	\$0
	Bathrooms - Refurbish	\$46,371	\$0	\$0	\$0	\$0
	Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
1111	Interior Wood Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
	Mechanical and Systems					
	Generator - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Refurbish	\$0	\$0	\$0	\$0	\$0
	Air Handlers - Replace	\$10,433	\$0	\$0	\$0	\$0
	Cooling Tower - Replace	\$64,340	\$0	\$0	\$0	\$0
	Backup Lighting System - Replace	\$14,491	\$0	\$0	\$0	\$0
	HVAC Boiler - Replace	\$23,185	\$0	\$0	\$0	\$0
	Elevator - Modernize	\$0	\$0	\$0	\$0	\$0
	Elevator Cab - Remodel	\$0	\$0	\$12,299	\$0	\$0
1803	Fire Alarm Panels - Replace	\$33,329	\$0	\$0	\$0	\$0
	Total Expenses	\$269,502	\$62,747	\$12,299	\$0	\$14,874
	Ending Reserve Balance	\$721,053	\$824,420	\$984,304	\$1,163,073	\$1,333,756

	Fiscal Year	2029	2030	2031	2032	2033
	Starting Reserve Balance	\$1,333,756	\$251,933	\$365,898	\$314,943	\$513,887
	Annual Reserve Contribution	\$178,271	\$183,619	\$189,127	\$194,801	\$200,645
	Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
	Interest Earnings	\$7,925	\$3,088	\$3,403	\$4,142	\$6,084
	Total Income	\$1,519,952	\$438,639	\$558,428	\$513,887	\$720,616
#	Component					
	General Common Areas					
201	Asphalt - Remove & Replace	\$254,672	\$0	\$0	\$0	\$0
202	Asphalt - Seal/Repair	\$13,607	\$0	\$0	\$0	\$0
204	Concrete Swales - Replace	\$14,783	\$0	\$0	\$0	\$0
320	Pole Lights - Replace	\$42,333	\$0	\$0	\$0	\$0
324	Exterior Wall Lights - Replace	\$0	\$0	\$0	\$0	\$0
413	Flag Pole - Replace	\$0	\$0	\$0	\$0	\$0
701	Sliding Entry Doors - Replace	\$0	\$0	\$0	\$0	\$0
1107	Metal Fence/Rail - Repaint	\$0	\$0	\$0	\$0	\$4,992
1113	Metal Surfaces - Repaint	\$0	\$0	\$0	\$0	\$12,252
1116	Wood Surfaces - Repaint	\$0	\$72,741	\$0	\$0	\$0
1121	Wood Siding - Replace	\$0	\$0	\$0	\$0	\$0
1303	Comp Shingle Roof - Replace	\$297,006	\$0	\$0	\$0	\$0
	Building Interior					
325	Fluorescent Strips - Replace	\$0	\$0	\$0	\$0	\$0
325	Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
601	Carpet - Replace	\$0	\$0	\$156,834	\$0	\$0
602	Linoleum Flooring - Replace	\$0	\$0	\$29,299	\$0	\$0
	Tile Floor - Replace	\$100,659	\$0	\$0	\$0	\$0
904	Built-In Furniture - Replace	\$195,540	\$0	\$0	\$0	\$0
	Window Treatments - Replace	\$0	\$0	\$0	\$0	\$0
	Bathrooms - Refurbish	\$0	\$0	\$0	\$0	\$0
	Interior Surfaces - Repaint	\$0	\$0	\$46,123	\$0	\$0
1111	Interior Wood Surfaces - Repaint	\$0	\$0	\$11,228	\$0	\$0
	Mechanical and Systems					
	Generator - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Replace	\$161,270	\$0	\$0	\$0	\$0
	Liquid Chiller - Refurbish	\$90,714	\$0	\$0	\$0	\$0
	Air Handlers - Replace	\$0	\$0	\$0	\$0	\$0
	Cooling Tower - Replace	\$0	\$0	\$0	\$0	\$0
	Backup Lighting System - Replace	\$0	\$0	\$0	\$0	\$0
	HVAC Boiler - Replace	\$0	\$0	\$0	\$0	\$0
	Elevator - Modernize	\$97,434	\$0	\$0	\$0	\$0
	Elevator Cab - Remodel	\$0	\$0	\$0	\$0	\$0
1803	Fire Alarm Panels - Replace	\$0	\$0	\$0	\$0	\$0
	Total Expenses	\$1,268,019	\$72,741	\$243,484	\$0	\$17,244
	Ending Reserve Balance	\$251,933	\$365,898	\$314,943	\$513,887	\$703,372

	Fiscal Year	2034	2035	2036	2037	2038
	Starting Reserve Balance	\$703,372	\$417,087	\$550,459	\$776,341	\$1,011,102
	Annual Reserve Contribution	\$206,664	\$212,864	\$219,250	\$225,828	\$232,603
	Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
	Interest Earnings	\$5,600	\$4,836	\$6,631	\$8,933	\$11,225
	Total Income	\$915,636	\$634,787	\$776,341	\$1,011,102	\$1,254,930
#	Component					
"	General Common Areas					
201	Asphalt - Remove & Replace	\$0	\$0	\$0	\$0	\$0
	Asphalt - Seal/Repair	\$15,774	\$0	\$0	\$0	\$0
	Concrete Swales - Replace	\$0	\$0	\$0	\$0	\$0
320	Pole Lights - Replace	\$0	\$0	\$0	\$0	\$0
324	Exterior Wall Lights - Replace	\$0	\$0	\$0	\$0	\$0
413	Flag Pole - Replace	\$4,479	\$0	\$0	\$0	\$0
701	Sliding Entry Doors - Replace	\$0	\$0	\$0	\$0	\$0
1107	Metal Fence/Rail - Repaint	\$0	\$0	\$0	\$0	\$5,787
1113	Metal Surfaces - Repaint	\$0	\$0	\$0	\$0	\$14,203
1116	Wood Surfaces - Repaint	\$0	\$84,327	\$0	\$0	\$0
1121	Wood Siding - Replace	\$283,550	\$0	\$0	\$0	\$0
1303	Comp Shingle Roof - Replace	\$0	\$0	\$0	\$0	\$0
	Building Interior					
325	Fluorescent Strips - Replace	\$0	\$0	\$0	\$0	\$0
325	Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
601	Carpet - Replace	\$0	\$0	\$0	\$0	\$0
602	Linoleum Flooring - Replace	\$0	\$0	\$0	\$0	\$0
603	Tile Floor - Replace	\$0	\$0	\$0	\$0	\$0
904	Built-In Furniture - Replace	\$0	\$0	\$0	\$0	\$0
	Window Treatments - Replace	\$0	\$0	\$0	\$0	\$0
909	Bathrooms - Refurbish	\$0	\$0	\$0	\$0	\$0
1110	Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
1111	Interior Wood Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
	Mechanical and Systems					
	Generator - Replace	\$194,746	\$0	\$0	\$0	\$0
	Liquid Chiller - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Refurbish	\$0	\$0	\$0	\$0	\$0
	Air Handlers - Replace	\$0	\$0	\$0	\$0	\$0
	Cooling Tower - Replace	\$0	\$0	\$0	\$0	\$0
	Backup Lighting System - Replace	\$0	\$0	\$0	\$0	\$0
	HVAC Boiler - Replace	\$0	\$0	\$0	\$0	\$0
	Elevator - Modernize	\$0	\$0	\$0	\$0	\$0
	Elevator Cab - Remodel	\$0	\$0	\$0	\$0	\$0
1803	Fire Alarm Panels - Replace	\$0	\$0	\$0	\$0	\$0
	Total Expenses	\$498,550	\$84,327	\$0	\$0	\$19,990
	Ending Reserve Balance	\$417,087	\$550,459	\$776,341	\$1,011,102	\$1,234,940

	Fiscal Year	2039	2040	2041	2042	2043
	Starting Reserve Balance	\$1,234,940	\$1,347,227	\$1,510,519	\$1,433,018	\$1,710,525
	Annual Reserve Contribution	\$239,581	\$246,768	\$254,171	\$261,796	\$269,650
	Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
	Interest Earnings	\$12,905	\$14,283	\$14,711	\$15,711	\$18,422
	Total Income	\$1,487,426	\$1,608,277	\$1,779,402	\$1,710,525	\$1,998,597
#	Component					
	General Common Areas					
201	Asphalt - Remove & Replace	\$0	\$0	\$0	\$0	\$0
202	Asphalt - Seal/Repair	\$18,287	\$0	\$0	\$0	\$0
204	Concrete Swales - Replace	\$0	\$0	\$0	\$0	\$0
320	Pole Lights - Replace	\$0	\$0	\$0	\$0	\$0
324	Exterior Wall Lights - Replace	\$0	\$0	\$0	\$0	\$0
413	Flag Pole - Replace	\$0	\$0	\$0	\$0	\$0
701	Sliding Entry Doors - Replace	\$0	\$0	\$0	\$0	\$0
1107	Metal Fence/Rail - Repaint	\$0	\$0	\$0	\$0	\$6,708
1113	Metal Surfaces - Repaint	\$0	\$0	\$0	\$0	\$16,466
1116	Wood Surfaces - Repaint	\$0	\$97,758	\$0	\$0	\$0
	Wood Siding - Replace	\$0	\$0	\$0	\$0	\$0
1303	Comp Shingle Roof - Replace	\$0	\$0	\$0	\$0	\$0
	Building Interior					
325	Fluorescent Strips - Replace	\$0	\$0	\$0	\$0	\$0
325	Interior Lights - Replace	\$0	\$0	\$0	\$0	\$0
601	Carpet - Replace	\$0	\$0	\$210,771	\$0	\$0
602	Linoleum Flooring - Replace	\$0	\$0	\$39,376	\$0	\$0
603	Tile Floor - Replace	\$0	\$0	\$0	\$0	\$0
904	Built-In Furniture - Replace	\$0	\$0	\$0	\$0	\$0
	Window Treatments - Replace	\$0	\$0	\$0	\$0	\$0
	Bathrooms - Refurbish	\$0	\$0	\$0	\$0	\$0
	Interior Surfaces - Repaint	\$0	\$0	\$61,986	\$0	\$0
1111	Interior Wood Surfaces - Repaint	\$0	\$0	\$15,089	\$0	\$0
	Mechanical and Systems					
	Generator - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Refurbish	\$121,913	\$0	\$0	\$0	\$0
	Air Handlers - Replace	\$0	\$0	\$0	\$0	\$0
	Cooling Tower - Replace	\$0	\$0	\$0	\$0	\$0
	Backup Lighting System - Replace	\$0	\$0	\$0	\$0	\$0
	HVAC Boiler - Replace	\$0	\$0	\$0	\$0	\$0
	Elevator - Modernize	\$0	\$0	\$0	\$0	\$0
	Elevator Cab - Remodel	\$0	\$0	\$19,161	\$0	\$0
1803	Fire Alarm Panels - Replace	\$0	\$0	\$0	\$0	\$0
	Total Expenses	\$140,199	\$97,758	\$346,384	\$0	\$23,174
	Ending Reserve Balance	\$1,347,227	\$1,510,519	\$1,433,018	\$1,710,525	\$1,975,423

	Fiscal Year	2044	2045	2046	2047	2048
	Starting Reserve Balance	\$1,975,423	\$1,785,207	\$1,975,356	\$2,288,467	\$2,612,054
	Annual Reserve Contribution	\$277,740	\$284,683	\$291,800	\$299,095	\$306,573
	Recommended Special Assessments	\$0	\$0	\$0	\$0	\$0
	Interest Earnings	\$18,795	\$18,795	\$21,310	\$24,492	\$27,646
	Total Income	\$2,271,958	\$2,088,685	\$2,288,467	\$2,612,054	\$2,946,272
#	Component					
	General Common Areas					
201	Asphalt - Remove & Replace	\$0	\$0	\$0	\$0	\$0
202	Asphalt - Seal/Repair	\$21,200	\$0	\$0	\$0	\$0
204	Concrete Swales - Replace	\$0	\$0	\$0	\$0	\$0
320	Pole Lights - Replace	\$0	\$0	\$0	\$0	\$0
324	Exterior Wall Lights - Replace	\$4,397	\$0	\$0	\$0	\$0
413	Flag Pole - Replace	\$0	\$0	\$0	\$0	\$0
701	Sliding Entry Doors - Replace	\$33,500	\$0	\$0	\$0	\$0
1107	Metal Fence/Rail - Repaint	\$0	\$0	\$0	\$0	\$7,777
1113	Metal Surfaces - Repaint	\$0	\$0	\$0	\$0	\$19,088
1116	Wood Surfaces - Repaint	\$0	\$113,329	\$0	\$0	\$0
1121	Wood Siding - Replace	\$0	\$0	\$0	\$0	\$0
1303	Comp Shingle Roof - Replace	\$0	\$0	\$0	\$0	\$0
	Building Interior					
325	Fluorescent Strips - Replace	\$29,313	\$0	\$0	\$0	\$0
325	Interior Lights - Replace	\$34,547	\$0	\$0	\$0	\$0
601	Carpet - Replace	\$0	\$0	\$0	\$0	\$0
602	Linoleum Flooring - Replace	\$0	\$0	\$0	\$0	\$0
603	Tile Floor - Replace	\$0	\$0	\$0	\$0	\$0
904	Built-In Furniture - Replace	\$0	\$0	\$0	\$0	\$0
908	Window Treatments - Replace	\$16,750	\$0	\$0	\$0	\$0
	Bathrooms - Refurbish	\$83,751	\$0	\$0	\$0	\$0
	Interior Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
1111	Interior Wood Surfaces - Repaint	\$0	\$0	\$0	\$0	\$0
	Mechanical and Systems					
	Generator - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Replace	\$0	\$0	\$0	\$0	\$0
	Liquid Chiller - Refurbish	\$0	\$0	\$0	\$0	\$0
	Air Handlers - Replace	\$18,844	\$0	\$0	\$0	\$0
312	Cooling Tower - Replace	\$116,205	\$0	\$0	\$0	\$0
	Backup Lighting System - Replace	\$26,172	\$0	\$0	\$0	\$0
	HVAC Boiler - Replace	\$41,876	\$0	\$0	\$0	\$0
	Elevator - Modernize	\$0	\$0	\$0	\$0	\$0
	Elevator Cab - Remodel	\$0	\$0	\$0	\$0	\$0
1803	Fire Alarm Panels - Replace	\$60,196	\$0	\$0	\$0	\$0
	Total Expenses	\$486,751	\$113,329	\$0	\$0	\$26,865
	Ending Reserve Balance	\$1,785,207	\$1,975,356	\$2,288,467	\$2,612,054	\$2,919,407

#### **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. Robert M. Nordlund, P.E., R.S., company Founder/CEO, is a California licensed Professional Engineer (Mechanical, #22322), and credentialed Reserve Specialist (#5). 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.

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**

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

property 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 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 Component Details appendix is to provide the reader with the basis of our funding assumptions resulting from our physical analysis and subsequent research. The information presented here represents a wide range of components that were observed and measured against National Reserve Study Standards to determine if they meet the criteria for reserve funding.

- 1) Common area repair & replacement responsibility
- 2) Component must have a limited useful life
- 3) Life limit must be predictable
- 4) Above a minimum threshold cost (board's discretion typically ½ to 1% of Annual operating expenses).

Not all your components may have been found appropriate for reserve funding. In our judgment, the components meeting the above four criteria are shown with the Useful Life (how often the project is expected to occur), Remaining Useful Life (when the next instance of the expense will be) and representative market cost range termed "Best Cost" and "Worst Cost". There are many factors that can result in a wide variety of potential costs, and we have attempted to present the cost range in which your actual expense will occur.

Where no Useful Life, Remaining Useful Life, or pricing exists, the component was deemed inappropriate for Reserve Funding.

#### **General Common Areas**

#### Comp #: 103 Concrete Walk - Repair

Location: Grounds, parking areas

Funded?: No. Long life, inappropriate for Reserve designation.

History: Original to property

Comments: Under normal circumstances these surfaces should reach a very long useful life with no expectation for complete replacement. Best to inspect on a regular basis for trip-hazards. We recommend that the City fund for concrete repairs and pressure-washing on an annual basis as an Operating expense. No Reserve funding required but if annual maintenance is neglected future funding may be needed.

Useful Life: 0 years

Remaining Life: 0 years



Best Case: \$ 0 Worst Case: \$ 0

Cost Source:

#### Comp #: 201 Asphalt - Remove & Replace

Location: Entry and parking areas

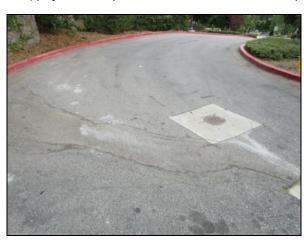
Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: The asphalt is raveled and stained with local areas of minor cracking. No severe damage observed. In fair overall condition. Regular seal (refer to #202) projects will help to extend the useful life of this component.

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 158,000 Worst Case: \$ 221,000

Lower estimate to grind and overlay,

\$2.50/GSF

Higher estimate, \$3.50/Sq Ft

Quantity: Extensive GSF

Quantity: Approx 63100 GSF

Comp #: 202 Asphalt - Seal/Repair

Location: Entry and Parking areas

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Last sealed approx 2013

Comments: General cracks and staining observed. Seal is in poor condition. Asphalt should be sealed regularly to ensure a full useful life. Sealing at regular intervals restores the appearance and minimizes penetration of water and other surface

contaminants.

Useful Life: 5 years

Remaining Life: 0 years



Best Case: \$ 8,850 Worst Case: \$ 11,400

Lower estimate to clean, prep, and seal,

Higher estimate, includes crack repairs

Quantity: Approx 1000 GSF

Quantity: Approx 63100 GSF

\$.14/GSF

Cost Source: ARI Cost Database

Comp #: 204 Concrete Swales - Replace

Location:

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: Fair condition with local areas of cracking. Best to plan for replacement to coincide with the asphalt remove and replace project (refer to #201) to maximize efficiency.

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 10,000 Worst Case: \$ 12,000

Lower estimate for replacement Higher estimate

#### Comp #: 319 Driveway Lights - Replace

Location: Driveway entry to facility

Funded?: No. Too small cost and life too indeterminate for Reserve designation. Best to replace as needed as an operating

Quantity: (4) Fixtures

Quantity: (18) Fixtures 20' Tall

expense.

History:

Comments: Inspected during daylight hours but assumed to be functional.

Useful Life: 0 years

Remaining Life: 0 years



Best Case: \$0 Worst Case: \$0

Cost Source:

Comp #: 320 Pole Lights - Replace

Location: Driveway and paking lot area

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property.

Comments: Inspected during daylight hours but assumed to be functional. Upright and sturdy with no signs of advanced damage or abuse. In fair condition. It is best to eventually replace all of the pole lights at the same time to maintain a uniform appearance. Clean the fixtures on a regular basis to ensure full illumination.

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 27,000 Worst Case: \$ 36,000

> Lower estimate to replace, \$1500 ea, installed Higher estimate, \$2000 ea

Comp #: 324 Exterior Wall Lights - Replace

Location: Exterior of building

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: Inspected during daylight hours but assumed to be functional. Fixtures exhibit moderate wear and aging. No significant deterioration evident. In fair condition. Best to eventually replace all at once to maintain a uniform appearance.

Quantity: (12) Fixtures

Quantity: (1) Flag Pole

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 1,800 Worst Case: \$ 2,400

Lower estimate to replace, \$150 ea, installed Higher estimate, \$200 ea

Cost Source: ARI Cost Database

Comp #: 413 Flag Pole - Replace

Location: Entry to property

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: Pole is strong and sturdy. Spun aluminum. No significant deterioration or abuse observed during inspection. In fair

condition.

Useful Life: 30 years

Remaining Life: 15 years



Best Case: \$ 2,500 Worst Case: \$ 3,250

Lower estimate to remove and replace Higher estimate

#### Comp #: 701 Sliding Entry Doors - Replace

Location: Main Entry

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: The doors were fully operational at the time of the inspection. No reported problems but the doors did seem to be unusually noisy when opening and closing. No major exterior wear observed. Plan to cycle replacement with sensor and keypad replacement projects for efficiency.

Quantity: (2) Metal/Glass Doors

Quantity: Approx 300 LF

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 12,000 Worst Case: \$ 20,000

Lower estimate to replace Higher estimate

Cost Source: ARI Cost Database

#### Comp #: 1107 Metal Fence/Rail - Repaint

Location: Building exterior walkway, entry, and parking areas

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Last repainted in 2018

Comments: Minor wear but no chipping or rust observed. Paint coverage is in good condition. Regular paint cycles will help protect the ironwork from damaging weather and irrigation elements while maintaining an attractive appearance.

Useful Life: 5 years

Remaining Life: 4 years



Best Case: \$ 3,000 Worst Case: \$ 3,600

Lower estimate to prep and paint Higher estimate

Cost Source: Client Cost History.

#### Comp #: 1113 Metal Surfaces - Repaint

Location: Doors, gates, trim areas

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Last painted in 2018.

Comments: Minor wear observed but no significant deterioration witnessed at this time. Paint coverage is in good condition. Stick

Quantity: Ext. Doors/Trash Gates

Quantity: Approx 23300 GSF

to repaint cycles to maintain aesthetics and to help achieve full useful lives of these assets.

Useful Life: 5 years

Remaining Life: 4 years



Best Case: \$ 7,100 Worst Case: \$ 9,100

Lower estimate to prep and paint Higher estimate

Cost Source: Client Cost History

#### Comp #: 1116 Wood Surfaces - Repaint

Location: Exterior surfaces and trim

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Unknown

Comments: Consists of the roof perimeter's wood trim center trellis and wood shingle siding. Signs of dryness and cracking. Paint coverage is in declining condition. Regular paint cycles will help protect the wood surfaces from damaging weather elements that cause dry-rotting and warping.

Useful Life: 5 years

Remaining Life: 1 years



Best Case: \$ 46,600 Worst Case: \$ 58,500

Lower estimate to prep and paint Higher estimate

Comp #: 1121 Wood Siding - Replace

Location: Building exterior surfaes

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: Conditions vary among locations. Dryness and discoloration was noticed while on-site. Regular painting will help extend the useful life of this component. No severe damage detected at this time. In fair overall condition. Anticipate the need for eventual replacement to maintain this asset.

Useful Life: 30 years

Remaining Life: 15 years



Best Case: \$ 162,000 Worst Case: \$ 202,000

Lower estimate to remove and replace,

Higher estimate, \$20/GSF

Quantity: Approx 6300 GSF

Quantity: Approx 10100 GSF

\$16/GSF

Cost Source: ARI Cost Database

## Comp #: 1124 Stone Siding - Replace

Location: Lower areas, building exterior

Funded?: No. This is a long life component with no expectation to ever completely replace this surface. Make any local repairs as necessary as an operating expense.

History:

Comments: No damage or abuse was observed. Good attractive condition.

Useful Life: 0 years

Remaining Life: 0 years



Best Case: \$ 0 Worst Case: \$ 0

Cost Source:

Comp #: 1303 Comp Shingle Roof - Replace

Location: Rooftop

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: The shingles are intact and properly aligned. No signs of looseness, lifting, curling, or missing shingles. No reports of

Quantity: Approx 40200 GSF

Higher estimate, \$6/GSF

Quantity: (4) Signs

water intrusion. In fair condition.

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 201,000 Worst Case: \$ 241,000

Lower estimate to remove and replace,

\$5/GSF

Cost Source: ARI Cost Database

Comp #: 1402 Signage - Replace

Location: Main entry courtyard

Funded?: No. Too small cost and life too indeterminate for Reserve designation

History:

Comments: Good attractive condition. No damage or abuse noted.

Useful Life: 0 years

Remaining Life: 0 years



Best Case: \$0 Worst Case: \$0

Cost Source:

## **Building Interior**

Quantity: Approx (50) Fixtures

Quantity: (88) Fixtures

#### Comp #: 325 Fluorescent Strips - Replace

Location: Interior common spaces

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: Comprised of (10) 57 LF 14-Section Strips (10) 40 LF 10-Section Strips (12) 8 LF 2-Section Strips (6) 18 LF 4-Section Strips and (12) 5 LF Single Strips. All fixtures are functional and intact. No reported problems. No signs of any severe damage or loose wiring. In fair condition.

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 12,000 Worst Case: \$ 16,000

Lower estimate to replace with similar fixtures Higher estimate

Cost Source: ARI Cost Database

#### Comp #: 325 Interior Lights - Replace

Location: Common interior spaces

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: Varying styles and conditions noted but all appear to be functional and aging normally. No signs of any unexpected wear or deterioration. No reported problems. In fair condition.

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 13,200 Worst Case: \$ 19,800

Lower estimate to replace, \$150 ea Higher estimate, \$225 ea

Comp #: 601 Carpet - Replace

Location: Interior common spaces

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Reportedly replaced approx 2011

Comments: The carpet is intact but displays moderate to heavy wear in areas with more frequent traffic. No tearing or fraying noted. Generally fair conditions observed throughout. Best to cycle replacement with the interior repainting projects (refer to

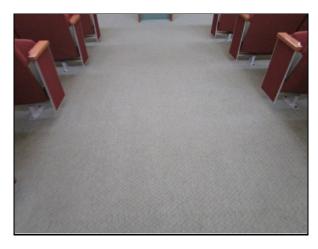
Quantity: Approx 2000 GSY

Quantity: Approx 2930 GSF

#1110).

Useful Life: 10 years

Remaining Life: 2 years



Best Case: \$ 100,000 Worst Case: \$ 120,000

Lower estimate to replace, \$50/Sq Yd Higher estimate, sturdier grade carpet

Cost Source: ARI Cost Database

Comp #: 602 Linoleum Flooring - Replace

Location: Staff areas

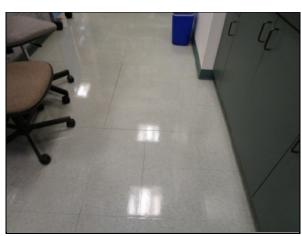
Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Reportedly new in approx 2011

Comments: No signs of major deterioration or damage. General wear/tear and usage evident throughout. In fair overall condition.

Useful Life: 10 years

Remaining Life: 2 years



Best Case: \$ 17,600 Worst Case: \$ 23,500

Lower estimate to remove and replace, \$6/Sq Higher estimate , \$8/Sq Ft

Ft

Cost Source: Client Cost History

Comp #: 603 Tile Floor - Replace

Location: Throughout common areas

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: The tile floors are free from any cracking or heavy staining. All surfaces appear to be fully intact with no missing or broken tiles. In fair overall condition. Although the tile floors should be expected to reach a long useful life it is best to fund for eventual replacement.

Quantity: Approx 4680 GSF

Quantity: (43) Doors

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 70,200 Worst Case: \$ 79,600

Lower estimate to replace, \$15/Sq Ft Higher estimate, \$17/Sq Ft

Cost Source: ARI Cost Database

#### Comp #: 703 Interior Doors - Replace

Location: Scattered throughout property interior

Funded?: No. There is no expectation to replace all at once. Best to replace individually as needed as an operating expense.

History:

Comments: The doors are functional and in good condition. No warping or unusual wear noted.

Useful Life: 0 years

Remaining Life: 0 years



Best Case: \$0 Worst Case: \$0

#### Comp #: 903 Furniture - Replace

Location: Throughout the building

Funded?: No. All pieces are being replaced in zones on a staggered basis as an ongoing operational project, not Reserves.

Quantity: Approx (485) Pieces

Quantity: Approx 415 LF

History:

Comments: Varying styles noted but all furniture appears to be in generally good serviceable condition. Normal wear and aging noted but no widespread tearing or staining.

Useful Life: 0 years

Remaining Life: 0 years



Best Case: \$0 Worst Case: \$0

Cost Source:

#### Comp #: 904 Built-In Furniture - Replace

Location: Office areas

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property.

Comments: The cabinetry and counters are intact and in fair condition. Some peeling noted on the composite base cabinets located in higher traffic work areas. No severe scuffing or warping noted. In fair condition.

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 125,000 Worst Case: \$ 166,000

Lower estimate to replace with similar pieces Higher estimate

#### Comp #: 908 Window Treatments - Replace

Location: Conference rm and break room

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Reportedly original to property

Comments: The window treatments are functional and intact. No staining or fraying noted. General aging evident. In fair condition.

Quantity: (20) Pull-Down Blinds

Quantity: (10) Bathrooms

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 6,000 Worst Case: \$ 10,000

Lower estimate to replace with similar pieces Higher estimate

Cost Source: ARI Cost Database

#### Comp #: 909 Bathrooms - Refurbish

Location: Throughout common areas

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: The bathrooms are clean and functional. No major grime build up or significant deterioration. In fair condition. Best to fund for eventual refurbishment to maintain aesthetics.

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 35,000 Worst Case: \$ 45,000

Lower estimate for refurbish project Higher estimate

## Comp #: 912 Office Equipment - Replace

Location: Office areas

Funded?: No. Being successfully replaced on an as-needed basis through operational maintenance budget.

History:

Comments: All appeared in good functional condition. No observed or reported problems.

Useful Life:

Remaining Life:

No Photo Available

Best Case:

Worst Case:

**Quantity: Assorted Pieces** 

Quantity: (10) Cubicles

Cost Source:

## Comp #: 915 Modular Furniture - Replace

Location: Office areas

Funded?: No. Being successfully replaced on an as-needed basis through operational maintenance budget.

distory:

Comments: The cubicles are sturdy and upright. No significant deterioration noted. Very professional in appearance.

Useful Life: 0 years

Remaining Life: 0 years



Best Case: \$ 0 Worst Case: \$ 0

#### Comp #: 1110 Interior Surfaces - Repaint

Location: Interior surfaces, all areas

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Last painted approx 2011.

Comments: The interior surfaces are in fair condition. Normal wear and scuffing observed but no signs of any extensive

Quantity: Approx 46300 GSF

Quantity: Approx 4500 GSF

discoloration or paint loss. Best to repaint regularly to ensure the surfaces remain bright and appealing.

Useful Life: 10 years

Remaining Life: 2 years



Best Case: \$ 27,500 Worst Case: \$ 37,200

Lower estimate to prep and paint Higher estimate

Cost Source: Client Cost History

### Comp #: 1111 Interior Wood Surfaces - Repaint

Location: Library and council chambers

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Last painted approx 2011

Comments: Wood is attractive and in good condition. Due to the interior location expect to repaint these surfaces on a longer

cycle than the exterior wood surfaces.

Useful Life: 10 years

Remaining Life: 2 years



Best Case: \$ 6,750 Worst Case: \$ 9,000

Lower estimate to prep and paint Higher estimate

Cost Source: Client Cost History

# **Mechanical and Systems**

Quantity: (1) Onan 350 KW Diesel

Quantity: (1) Carrier

#### Comp #: 302 Generator - Replace

Location: Downstairs equipment room

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property.

Comments: The generator was not tested during inspection. Best to have the generator inspected and tested on a regular basis by your service vendor. General wear/tear observed. No reports of service related issues. In fair condition. Model: DGBB-4485885 S/N: H000140266 Hours: 403.

Useful Life: 30 years

Remaining Life: 15 years



Best Case: \$ 110,000 Worst Case: \$ 140,000

Lower estimate to replace, installed Higher estimate

Cost Source: Research with Local Vendor/Contractor

## Comp #: 303 Liquid Chiller - Replace

Location: Downstairs mechanical room

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: This unit is reportedly having some slight issues with proper heating and cooling. Anticipate the need to repair in the near future to ensure proper function. No severe damage or abuse. In serviceable condition. Model: HFC-134A.

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 100,000 Worst Case: \$ 140,000

Lower estimate to remove and replace Higher estimate (equipment and labor)

Cost Source: Research with Local Vendor/Contractor

Comp #: 304 Liquid Chiller - Refurbish

Location: Downstairs Mechanical room

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property,

Comments: Unit reportedly has air-flow issues at this time. Plan on periodic refurbishment to maintain this asset, at roughly the mid-point of the chiller's life expectancy. Includes (2) Carlyle compressors: (1) Model: 06NW2123S6NA-A00 S/N: 3300J09174 (1) Model: 06NW2209S7NA-A00 S/N: 2602J09017.

Quantity: (1) Carrier

Quantity: (3) Units

Useful Life: 10 years

Remaining Life: 0 years



Best Case: \$ 60,000 Worst Case: \$ 75,000

Lower estimate for refurbish project Higher estimate

Cost Source: Research with Local Vendor/Contractor

## Comp #: 305 Air Handlers - Replace

Location: Attic utility roomo

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Unknown. Repaired or replaced as needed.

Comments: No access to inspect. These are reported to be functional with no service problems at this time. Assumed to be in fair overall condition.

Useful Life: 20 years

Remaining Life: 5 years

No Photo Available

Best Case: \$ 7,500 Worst Case: \$ 10,500

Comp #: 312 Cooling Tower - Replace

Location: Rear of building

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: Unit exhibits heavier rust and wear at this time. Leaves reportedly get into the unit and cause minor problems on

Quantity: (1) 85 Ton Recold

Quantity: (1) System

occasion. No reports of significant service related issues. In fair overall condition. Model: JT-3185 S/N: 00815.

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$43,000 Worst Case: \$68,000

Lower estimate for replacement, installed Higher estimate

Cost Source: Estimate Provided by Client

Comp #: 330 Backup Lighting System - Replace

Location: Lower level utility room

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: System not tested during inspection. Best to inspect and repair as needed as an operating expense. Funding has

been provided for eventual replacement.

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 10,000 Worst Case: \$ 15,000

Lower estimate for replacement Higher estimate

Cost Source: Research with local vendor

Comp #: 801 HVAC Boiler - Replace

Location: Adjacent to cooling tower

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: General abrasions build-up and wear detected during inspection. No severe damage or abuse noted. No reports of

Quantity: (1) Raypak, 1.2MBTU/hr

Quantity: (3) Heaters

service related issues. In fair condition.

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 16,000 Worst Case: \$ 24,000

Lower estimate to replace, installed Higher estimate

Cost Source: ARI Cost Database

### Comp #: 803 Water Heaters - Replace

Location: Utility rooms, each floor

Funded?: No. Relatively low cost. There is no expectation to replace all at once. Best to replace as needed as an operating expense

History:

Comments: Heaters include: (1) Lochinvar 30 Ga. In library (1) Rheem in community room and (1) Lochinvar 40 Ga. in main city hall area.

Useful Life: 0 years

Remaining Life: 0 years

No Photo Available

Best Case: \$ 0 Worst Case: \$ 0

Comp #: 1801 Elevator - Modernize

Location: Center of building

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: We are not licensed to inspect these systems. Not tested during inspection but found to be operational. Anticipate the need to modernize a hydraulic elevator every 20-30 years. Modernization consists primarily of replacing the controller door operator and push-button fixtures.

Quantity: (1) 3 Stop Elevator

Quantity: (1) Cab

Useful Life: 25 years

Remaining Life: 10 years



Best Case: \$ 65,000 Worst Case: \$ 80,000

Lower estimate for modernization project Higher estimate

Cost Source: ARI Cost Database

Comp #: 1802 Elevator Cab - Remodel

Location: Center of property, elevator interior

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: New in approx 2011

Comments: Consists of tile floor and wood panels. Minor deterioration observed but no significant aging noted. In fair condition.

Useful Life: 15 years

Remaining Life: 7 years



Best Case: \$ 8,000 Worst Case: \$ 12,000

Lower estimate for remodel project Higher estimate

Comp #: 1803 Fire Alarm Panels - Replace

Location: Lower level utility room

Funded?: Yes. Meets National Reserve Study Standards four-part test

History: Original to property

Comments: We are not licensed to inspect these systems. Fire alarm systems should be inspected and maintained on a regular basis by licensed professionals as an Operating expense. Best to fund for the eventual replacement of the panels. Panels include: (1) Model 4020 and (1) Model 4010.

Quantity: (2) Simplex

Useful Life: 20 years

Remaining Life: 5 years



Best Case: \$ 22,500 Worst Case: \$ 35,000

Lower estimate to replace main panel Higher estimate