

Reserve Analysis • Construction Consultants

July 9, 2019

Plum Creek North Master Homeowners Association, Inc. C/o Premier Property Management P.O. Box 632018
Highlands Ranch, CO 80163-2018

Attention: Kim McGuire

Re: Reserve Analysis: UPDATED 2019 VERSION

Dear Ms. McGuire and Board of Directors:

As requested and contracted, Bradley Property Consultants, Inc. ("BPC") revised and updated the 2012 version of the reserve analysis for the Plum Creek Master Homeowners Association, Inc., located in Castle Rock, Colorado.

This updated 2019 version of the reserve analysis was performed in July 2019. The reserve analysis takes into account the condition of the property at the present time and interpolates the financial and physical condition of the Association's long term capital assets starting in 2019.

The 2012 reserve analysis was reviewed and the entire inventory list of the reserve analysis was analyzed as part of the updating process. As directed by the Association, no on-site inspections were performed for the 2019 updated reserve study. BPC, Inc. did review the current financial of the Association. Valuable information concerning the current condition of the major capital assets of the Association was provided by Kim McGuire of Premier Property Management.

The revisions and updating has brought the reserve analysis up to date with current and expected replacement costs for the Association's major capital assets and major maintenance responsibilities. The proposed maintenance expectations and comments by the management company were very valuable in revising this document. The Association may wish to consider adding or deleting some categories and possibly phasing more of the categories to spread the financial responsibilities over a number of years. The phasing can be done as a future revision to this document.

The reserve analysis is in two parts. The first section is an explanation of terms and a description of the methods involved in arriving at the data for the project. The second section starts with the reserve analysis table showing project categories and overall suggested reserve deposits. This table should be reviewed carefully and revised as necessary. The rest of the second section includes tables of reserve balances for the next 40 years, a section of graphs depicting capital expenses and reserve balances over the same 40 year period, and a table of projected capital expenses.

CHANGES AND COMMENTS FOR THE UPDATED 2019 VERSION OF THE RESERVE ANALYSIS:

Plum Creek North Master Homeowners Association, Inc. Reserve Analysis: UPDATED 2019 VERSION July 9, 2019 Page 2

Unit abbreviations used the Reserve Analysis table: SF= square feet, LF= lineal feet, SY= square vard, LS= lump sum, EA= each, REPL= replacement, ECON= economic

- 1. The inventory list categories from the 2012 reserve analysis were examined and aged to coordinate with their condition. It was stated by the Association that no material changes or replacements have occurred to the capital assets since the 2012 reserve analysis.
- 2. The inventory list categories of the 2012 reserve analysis were followed and aged according for the 2019 updated reserve analysis. All categories were increased in replacement costs to current pricing levels for the Castle Rock area. As stated above, it was reported that no changes, except for aging, had occurred to the reserve analysis inventory list categories since 2012.
- 3. As noted above each of the original categories in the 2012 reserve analysis were reviewed and revised to reflect current and future replacement costs. The updated reserve analysis reflects the general condition of the capital assets as reported at the time of this update.
- 4. The amount of reserves available as of June 30, 2019 were \$57,490.00.

The work performed consisted of a review of the previous reserve study, appropriate aging of the inventory categories, and revaluing the replacement costs to current market levels. The reserve analysis estimates remaining economic life of the items in the inventory list, replacement costs, and prorates existing reserves to these items. The analysis then estimates future contributions to project reserves so adequate funds will be available for future repairs and replacements.

### Reserve Analysis Summary and Explanation of Terms

The analysis covers the common areas and items the Association is responsible for repairing and replacing. The Association has determined these items, or inventory list, by interpretation of the Declarations and Covenants for the Association and the historical maintenance schedule on the project. The inventory list should be reviewed and modified according to the actual needs of the Association. The inventory list is contained in the subheadings of "Common Area" in the attached reserve analysis tables and graphs.

The analysis also uses the relationship of cost replacement and remaining life to determine future reserve needs. An explanation of the terms and column headings as used within the reserve analysis follows:

### **COMMON AREA**

The common area covers the Association's elements termed as capital reserve items. It includes the sprinkler system, landscape refurbing, tree replacement, irrigation clock, sign lighting, and the project monument. The capital reserves inventory list for the Association is listed in the reserve analysis

Plum Creek North Master Homeowners Association, Inc. Reserve Analysis: UPDATED 2019 VERSION July 9, 2019 Page 3

tables. Please refer to the inventory list and the other sections of the report for specific comments on the reserve analysis items.

Some long-lasting items were not included in the analysis since they should survive the assumed economic life of the project. This analysis uses a 50-year useful economic life as a basis for replacement items. Most items considered to have an expected life of 50 years or longer were not included in the replacement schedule. Typically small or low cost items under \$3,000.00 are not included since these repairs and replacements tend to be funded through the annual operating budget rather than from capital reserves.

### **DEFINITION OF TERMS USED IN THE RESERVE ANALYSIS TABLE**

### **Estimated Salvage Value**

"Estimated Salvage Value" specifically relates to items which, by their nature, will not need total replacement at the end of their assumed economic life. The considerations affecting salvage value are its long-lasting components or parts, maintenance schedule, recent repairs or replacements, and importance to the appearance of the project. Items that directly affect the appearance and function of the project tend to be maintained more completely and more often. Hard scape items such as asphalt and concrete tend to be repaired as necessary rather than all at once. Some portions will last as long as the economic life of the project while other parts will need repairs, but not full replacement.

The "Estimated Salvage Value" identifies those items that will not need total replacement upon reaching their assumed economic life. The percentages noted on the schedule are based on our experience. They can be modified after discussions with the Board of Directors regarding areas and percentages best fitting with the overall maintenance philosophy of the project.

### **Replacement Costs**

Replacement costs were arrived at using estimating procedures, contractor interviews, and our experience with current market prices. The amounts are in current dollars and are estimates. They assume major repairs or replacements will be done all at the same time.

The actual costs for capital asset replacements may vary considerably depending on economic conditions, contract specifications, technological advances, regulatory changes, and maintenance schedules. A few adjustments for inflation were made for the replacement costs. Inflation values fluctuate and are not reliably defined. Over a long period of time, inflation is often offset by investment credits or interest earned. The varying rates and changes to the project can be reflected by annual updates to the reserve analysis.

It is recommend updates to the reserve analysis be done on a consistent basis within a 3-5 year time period to account for any substantial changes in the capital assets and events directly

Plum Creek North Master Homeowners Association, Inc. Reserve Analysis: UPDATED 2019 VERSION July 9, 2019

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affecting the cost of capital asset replacements. Such changes would include insurance settlements, natural disasters, or unknown conditions requiring significant expenditures.

### **Estimated Economic Life**

The estimated economic life and life left are our estimates obtained from published manuals, accepted industry standards, and our experience with similar projects. The estimated life remaining for the reserve items was revalued after discussions with the management company. The project was constructed in 1999. The average age of the components had to be interpreted for each inventory item since some items will age faster than others. The overall condition of the inventory list is reflected in the "Remaining Economic Life" and "Estimated Salvage Value" columns.

The "Desired Reserve Budget," "Reserves Available," and "Annual Deposit" are arrived at after determining the estimated replacement costs and economic life span of the reserve items.

### **Desired Reserve Budget**

The "Desired Reserve Budget" is the estimated amount that would have been deposited by now if the inventory items had been included in a reserve deposit schedule from the beginning of the project. Each item's estimated replacement cost is divided by its proposed economic life and then multiplied by its age to arrive at the desired reserve budget. This is a "best case" scenario to show what would have been reserved to date for each item. These figures are used to develop a percentage or proportional relationship for each item as it relates to the total "Desired Reserve Budget." The item percentage is used to distribute the present reserves and analyze future needs.

### Reserves Available

The actual reserves available are distributed to each inventory item in proportion to the "Desired Reserve Budget" figures. The proportion or percentage for each item as determined by the "Desired Reserve Budget" is multiplied by the actual reserves on hand to arrive at the reserve value for each item. The amount of reserves available as of June 30, 2019 were \$57,490.00.

### **Proposed Initial Deposit**

The calculated initial annual deposit for each inventory item is equal to the difference between the estimated replacement cost and the reserves available, divided by the years of life remaining for the item. This is an estimated annual deposit for each item from this time forward. The deposits attempt to achieve the desired replacement reserves in the future.

### **Average Annual Contribution**

Plum Creek North Master Homeowners Association, Inc. Reserve Analysis: UPDATED 2019 VERSION July 9, 2019 Page 5

The calculated annual deposits required over the life of the project will fluctuate as reserves are saved and spent in the anticipated cycles. The reserve analysis attempts to account for these cycles by calculating the average annual deposits necessary for a 40 year period. In calculating your requirements, the proposed initial deposit brings your reserve balance closer to what it should be now and the calculated average deposit lets the Association gauge what level of savings to achieve in the future.

The Association must consider that these amounts are determined as the best possible condition at a 100% funding level. To achieve an adequate reserve balance requires some long term planning. In most cases this 100% funding level is very difficult to achieve, especially if the reserves have not been analyzed for a long period of time. Most communities are doing very well if they can achieve 70-80% of the proposed annual contributions and reserve balances. A part of the planning process may be to establish a reasonable goal and attempt to reach the best result possible without extravagant demands on the homeowners.

As stated previously, it is recommended to perform periodic updates of the reserve analysis every 3-5 years to account for current replacements, changes in replacement costs, and changing interest rates. Interest earned will tend to offset inflation. Attempting to forecast into the future is tenuous at best. We believe it is preferable to make simple periodic updates to the reserve analysis and so the Association can make decisions based on the most recent information available. The reserve analysis is a working document and should be adjusted as necessary to meet the needs and desires of the Association and reflect changing conditions.

Bradley Property Consultants, Inc. performed this analysis at the request of the Board of Directors of Plum Creek North Master Homeowners Association, Inc. The report is intended for the Association's exclusive use and should not be used for contracting work or relied upon by any other party. The analysis reflects conditions within the property that could be examined visually and is limited to the extent of the report. The analysis is also based upon representations made by Plum Creek North Master Homeowners Association, Inc. in regard to existing reserve fund balances, recent replacements or repairs, and interpretation of the Declarations and Covenants for the project. While reasonable effort was made to ascertain the condition of the property and/or equipment within, it is not to be construed as a guarantee or warranty of the property or equipment therein, nor does it imply that all components will function properly on or after the date of this report. Acceptance of this report by the Association constitutes the agreement of the Association that the liability of Bradley Property Consultants, Inc. for any errors or omissions on negligent misrepresentations herein is limited to the fee paid for this report and that there shall be no liability whatsoever for incidental or consequential damages. Unless otherwise noted in the report, no sampling, testing, or dismantling of any equipment, systems or structural components of the property was performed. Further, no inspections or tests for soil quality or stability, asbestos, PCBs, or any other hazardous materials were undertaken nor was the quality or adequacy of the water and sewer service to the property analyzed. The report herein was not undertaken to address any specific use or purpose contemplated by the Association other than what was stated in the report. This report does not in any way address the property's compliance with any federal, state, or local laws, rules, regulations, or ordinances.

Plum Creek North Master Homeowners Association, Inc.

**Reserve Analysis: UPDATED 2019 VERSION** 

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The updated reserve analysis will provide a useful planning guide. Actual experience in replacing items may differ significantly from the estimates given. Again, it is recommended to perform periodic updates to the reserve analysis to reflect changes to current conditions.

If you have any questions or require further information, please contact our office at any time.

Very truly yours,

BRADLEY PROPERTY CONSULTANTS, INC.

Stephen M. Bradley, President

Enclosures and Attachments: Updated 2019 Version of the reserve analysis



RESERVE ANALYSIS UPDATED 2019 VERSION: 7-9-19

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813	5,933	5,000	G	10	10,000	10,000	_	LS	Landscape refurbish & tree replace
275	10,422	8,783	10	30	13,175	4.25	3,100	SF	Sprinkler system



1588 S. Clarkson St., Denver, CO 80210

### PLUM CREEK NORTH MASTER ASSOCIATION

RESERVE ANALYSIS- Reserve Balances Over Remaining Life of Components

UPDATED 2019 VERSION: 7-9-19

INVENTORY LIST Phone: 303-232-0252 Fax: 303-232-3243 YEAR 2019 YEAR 2020 2 YEAR 2021 YEAR 2022 YEAR 2023 5 YEAR 2024 6 YEAR 2025 7 YEAR 2026 8 YEAR 2027 9 YEAR 2028 YEAR 2029 11

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# RESERVE ANALYSIS- Reserve Balances Over Remaining Life of Components

UPDATED 2019 VERSION: 7-9-19

1588 S. Clarkson St., Denver, CO 80210 Phone: 303-232-0252 Fax: 303-232-3243

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# RESERVE ANALYSIS- Reserve Balances Over Remaining Life of Components

UPDATED 2019 VERSION: 7-9-19

1588 S. Clarkson St., Denver, CO 80210 Phone: 303-232-0252 Fax: 303-232-3243

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tree replace	34,854	32,168	32,483	29,797	27,111	31,425	28,739	26,053	23,368	30,682	27,996	TOTAL RESERVES
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bish & tree replace         5,709         6,148         6,588         7,027         7,466         7,905         8,344         8,783         9,223         9,662           bish & tree replace         8,000         9,000         10,000         1,000         2,000         3,000         4,000         5,000         6,000         7,000           bish & tree replace         8,000         9,000         10,000         1,000         2,000         3,000         4,000         5,000         5,000         7,000           bish & tree replace         300         600         9,000         10,000         1,000         2,000         3,000         4,000         5,000         5,000         3,000           st sign         5,320         5,600         5,880         6,160         6,440         6,720         7,000         280         560         840           tESERVES         27,996         30,682         33,368         26,053         28,739         31,425         34,111         29,797         32,483         35,168           MGENCY         0         0         0         0         0         0         0         0         0		(3,000)	0	0	(7,000)	0	0	0	(10,000)	0	0	CAPITAL EXPENSES
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5,709       6,148       6,588       7,027       7,466       7,905       8,344       8,783       9,223       9,662         bish & tree replace       8,000       9,000       10,000       1,000       2,000       3,000       4,000       5,000       6,000       7,000         on clock       300       600       900       1,200       1,500       1,800       2,100       2,400       2,700       3,000         5,320       5,600       5,880       6,160       6,440       6,720       7,000       280       560       840	15,333	14,667	14,000	13,333	12,667	12,000	11,333	10,667	10,000	9,333	8,667	Stone wall/project sign
5,709         6,148         6,588         7,027         7,466         7,905         8,344         8,783         9,223         9,662           bish & tree replace         8,000         9,000         10,000         1,000         2,000         3,000         4,000         5,000         6,000         7,000           on clock         300         600         900         1,200         1,500         1,800         2,100         2,400         2,700         3,000	1,120	840	560	280	7,000	6,720	6,440	6,160	5,880	5,600	5,320	ign lighting
5,709         6,148         6,588         7,027         7,466         7,905         8,344         8,783         9,223         9,662           bish & tree replace         8,000         9,000         10,000         1,000         2,000         3,000         4,000         5,000         6,000         7,000	300	3,000	2,700	2,400	2,100	1,800	1,500	1,200	900	600	300	Upgraded irrigaion clock
5,709 6,148 6,588 7,027 7,466 7,905 8,344 8,783 9,223 9,662	8,000	7,000	6,000	5,000	4,000	3,000	2,000	1,000	10,000	9,000	8,000	_andscape refurbish & tree replace
	10,101	9,662	9,223	8,783	8,344	7,905	7,466	7,027	6,588	6,148	5,709	prinkler system



RESERVE ANALYSIS- Reserve Balances Over Remaining Life of Components

UPDATED 2019 VERSION: 7-9-19

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1588 S. Clarkson St., Denver, CO 80210

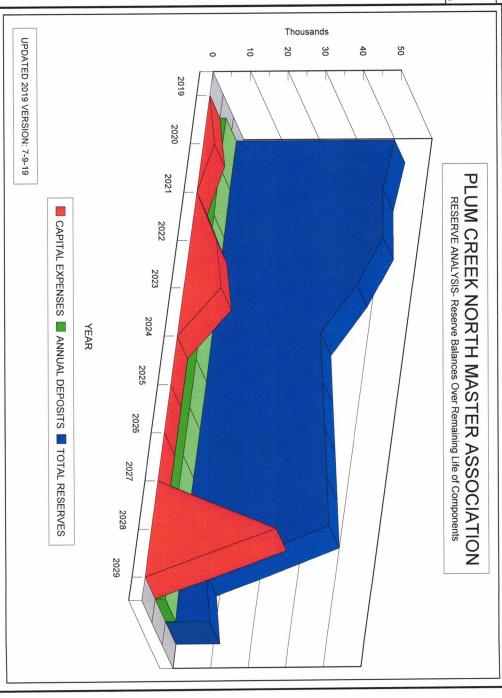
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Sprinkler system	10,540	10,979	11,418	11,858	12,297	12,736	13,175
Landscape refurbish & tree replace	9,000	10,000	1,000	2,000	3,000	4,000	5,000
Upgraded irrigaion clock	600	900	1,200	1,500	1,800	2,100	2,400
Sian liahtina	1,400	1,680	1,960	2,240	2,520	2,800	3,080
Stone wall/project sign	16,000	16,667	17,333	18,000	18,667	19,333	20,000
BASE RESERVES	37,540	40,226	32,912	35,598	38,283	40,969	43,655
CONTINGENCY	0	0	0	0	0	0	
CAPITAL EXPENSES	0	(10,000)	0	0	0	0	(33,175)
ANNIIAI DEBOSIT	2.686	2.686	2.686	2.686	2.686	2.686	2,686
TOTAL BESERVES	37.540	30.226	32 012	35 500	20 702	40 060	10.480

BPC, Inc., 07/2019

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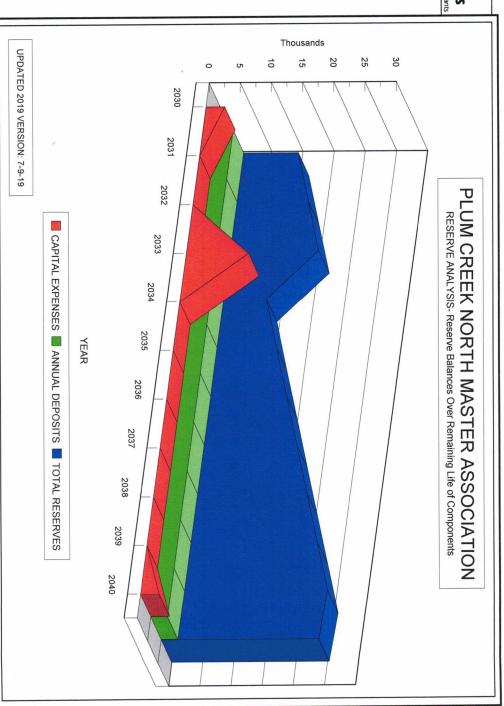
1588 S. Clarkson St., Denver, CO 80210



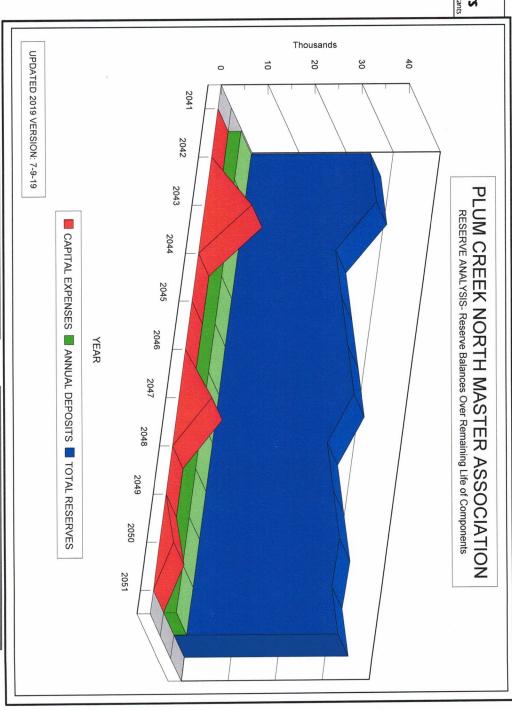
The second secon	TOTAL RESERVES	ANNUAL DEPOSITS	CAPITAL EXPENSES	YEAR	
	43,589	1,589	0	2019	

ESERVES ON HAND YEAR ENDING BALANCE YEAR 11 EVERAGE BALANCE	HAND YEAR 1 DE YEAR 11 NCE		\$42,000 \$11,766 \$33,325	<b>D D</b> <	VALUE OF RESERVE ITEMS AVERAGE CAPITAL EXPENSE AVERAGE DEPOSIT	RVE ITEMS AL EXPENSE		\$53,175 \$4,834 \$2,086	
2	ω	4	5	o	7	8	9	10	<b>1</b>
2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
(3,000)	0	(7,000)	(10,000)	0	0	0	0	(33,175)	0
1,589	1,812	1,812	2,087	2,273	2,273	2,273	2,273	2,273	2,686
42,177	43,990	38,802	30,889	33,162	35,435	37,709	39,982	9,080	11,766

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2,000 2,000 2,000 2,000 2,000 2,000	3 686 3 686 3 686 3 686 3 686 3 686 3 686 3 686	ENSES (3,000) 0 0 (10,000) 0 0 0 0	2031 2032 2033 2034 2035 2036 2037		AVERAGE BALANCE \$17,335 AVERAGE DEPOSIT	\$25,310 AVERAGE CAPI	RESERVES ON HAND YEAR 12 \$37,709 VALUE OF RESERVE ITEMS	
	2,686 2,686				NIT	TAL EXPENSE	RVE ITEMS	
25,624	2,686		2039	21	\$2,686	\$1,455	\$53,175	



CAPITAL EXPENSES
ANNUAL DEPOSITS
TOTAL RESERVES

2,686 27,996

2,686 30,682

(10,000) 2,686 23,368

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2,686 31,425 YEAR

23 **2041** 0

> 24 **2042**

25 **2043** 

26 **2044** 0

> 27 **2045**

28 **2046** 

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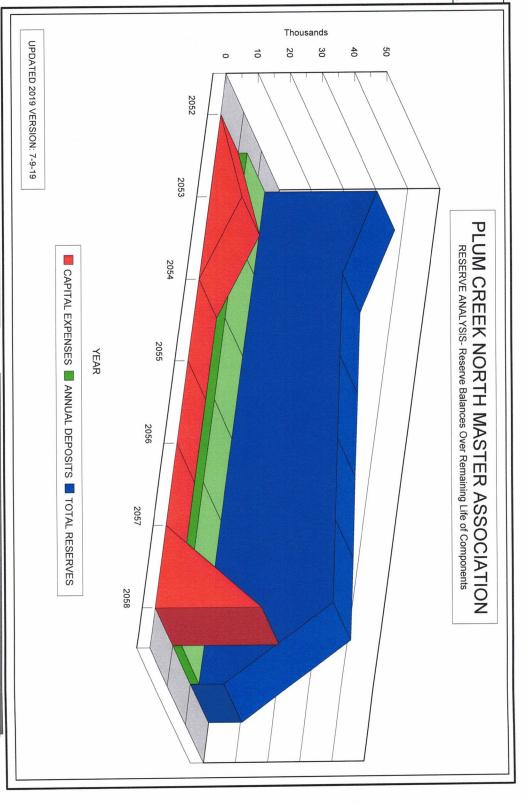
33 **2051** 0 2,686 RESERVES ON HAND YEAR 23 ENDING BALANCE YEAR 33

\$20,253 \$34,854 \$29,516

AVERAGE CAPITAL EXPENSE
AVERAGE DEPOSIT

\$53,175 \$1,818 \$2,686

AVERAGE BALANCE



A	AVERAGE BALANCE	NCE		\$32,287	A	AVERAGE DEPOSIT	SIT		\$2,686
34	35	36	37	38	39	40			
2052	2053	2054	2055	2056	2057	2058			
0	(10,000)	0	0	0	0	(33,175)			
2,686	2,686	2,686	2,686	2,686	2,686	2,686			
37.540	30,226	32,912	35,598	38,283	40,969	10,480			

YEAR
CAPITAL EXPENSES
ANNUAL DEPOSITS
TOTAL RESERVES



RESERVE ANALYSIS- Projected Capital Expenses By Year

1588 S. Clarkson St., Denver, CO 80210

Phone: 303-232-0252 Fax: 303-232-3243

UPDATED 2019 VERSION: 7-9-19

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Capital Expense	Stone wall/project sign	Sign lighting	Upgraded irrigaion clock	Landscape refurbish & tree replace	Sprinkler system	COMMON: AREA:
0	0	0	0	0	0	
3,000	0	0	3,000	0	0	
0	0	0	0	0	0	
7,000	0	7,000	0	0	0	
10,000	0	0	0	10,000	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
33,175	20,000	0	0	0	13,175	
0	0	0	0	0	0	

\*Current reserves: \$57,490.00 Reserves needed: 42,000.00 Excess reserves: \$13,490.00

BPC, Inc., 07/2019



RESERVE ANALYSIS- Projected Capital Expenses By Year

1588 S. Clarkson St., Denver, CO 80210

Phone: 303-232-0252 Fax: 303-232-3243

**UPDATED 2019 VERSION: 7-9-19** 

Capital Expense	Stone wall/project sign	Sign lighting	Upgraded irrigaion clock	Landscape refurbish & tree replace	Sprinkler system	COMMON AREA:
3,000	0	0	3,000	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
10,000	0	0	0	10,000	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
3,000	0	0	3,000	0	0	

\*Current reserves: \$57,490.00 Reserves needed: 42,000.00

BPC, Inc., 07/2019 Excess reserves: \$13,490.00



RESERVE ANALYSIS- Projected Capital Expenses By Year

1588 S. Clarkson St., Denver, CO 80210 Phone: 303-232-0252 Fax: 303-232-3243

UPDATED 2019 VERSION: 7-9-19

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Capital Expense	Stone wall/project sign	Sign lighting	Upgraded irrigaion clock	Landscape refurbish & tree replace	Sprinkler system	COMMON AREA:
0	0	0	0	0	0	
0	0	0	0	0	0	
10,000	0	0	0	10,000	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
7,000	0	7,000	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
3,000	0	0	3,000	0	0	
0		0	0	0	0	

\*Current reserves: \$57,490.00 Reserves needed: 42,000.00 Excess reserves: \$13,490.00

BPC, Inc., 07/2019



1588 S. Clarkson St., Denver, CO 80210

# PLUM CREEK NORTH MASTER ASSOCIATION

RESERVE ANALYSIS- Projected Capital Expenses By Year

UPDATED 2019 VERSION: 7-9-19

INVENTORY LIST Phone: 303-232-0252 Fax: 303-232-3243 YEAR 2052 34 YEAR 2053 35 YEAR 2054 36 YEAR 2055 37 YEAR 2056 38 YEAR 2057 39 YEAR 2058 40

Capital Expense	tone wall/project sign	Sign lighting	pgraded irrigaion clock	Landscape refurbish & tree replace	Sprinkler system	COMMON AREA:
				replace		
0	0	0	0	0	0	
10,000	0	0	0	10,000	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
0	0	0	0	0	0	
33,175	20,000	0	0	0	13,175	

\*Current reserves: \$57,490.00 Reserves needed: 42,000.00 Excess reserves: \$13,490.00