

ASSOCIATION RESERVESTM

The Importance of Reserve Studies

Presented by Bryan Farley, RS



ASSOCIATION RESERVESTM

Bryan Farley is the President of Association Reserves – Colorado. A Reserve Specialist, Bryan has completed ~2,000 Reserve Studies and has been a frequent speaker on the topic of Reserve Studies.

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Things you will learn in this presentation:

Part I

- What is a Reserve Study
 - How Reserve Health is Determined
 - Which Components Belong on a Reserve Study
 - Reserve Strength

Part II

- Consequences of Underfunding
- Funding Ideas

Part III

- How to read a Reserve Study in 5 minutes
- Frequency of Reserve Study updates
- Importance of a Reserve Study

Part I

What is a Reserve Study?



Reserve for the Here & Now





COLORADO RESERVE STUDY LAW

<u>C.R.S. 38-33.3-209.5(IX)</u>, requires a Reserve Study Policy to include:

- (1) When the association has a reserve study prepared for the portions of the community maintained, repaired, replaced and improved by the association;
- (2) Whether there is a funding plan for any work recommended by the reserve study;
- (3) If there is a funding plan, the projected sources of funding for the work; and
- (4) Whether the reserve study is based on a physical analysis and financial analysis.

Policy Templates available at reservestudy.com

What Are Reserves

Operating	Reserves
Recurring Expense	Recurring Expense
Month to Month & Year to Year	Longer Term Timeline
Less Than 1% of Annual Budget	Greater Than 1% of Annual Budget
As Needed	Planned Expense

What Isn't a Reserve Study?

- Engineering Report
- Structural Report
- Appraisal
- Insurance Audit



What's Inside a Reserve Study?

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Regional Office Arizon

California Colorado Florida Hawai Nevada Washington

Sample Reserve Study



Sample Condominium

Anywhere, USA

Report #: 28695-0 For Period Beginning: January 1, 2016

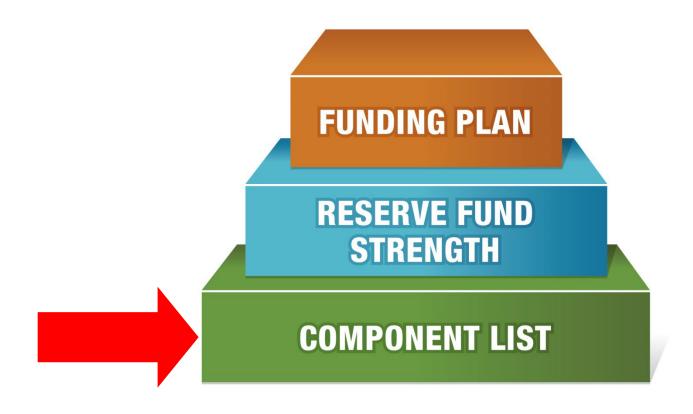
Expires: December 31, 2016

Date Prepared: June 5, 2015









Based on a visual site inspection & research



RESERVE COMPONENT "FOUR-PART TEST"



Component List Definitions

- Description
 - The repair & replacement project
- Useful Life (UL)
 - Estimate of <u>how long</u> component was designed to fulfill its intended function
- Remaining Useful Life (RUL)
 - Estimate of <u>how much longer</u> component will perform its intended function
- Replacement Cost
 - Current cost of repair/replacement

Reserve Component List

Description	UL	RUL	Cost
Pool Furniture - Replace	5	0	\$4,600
Pool - Resurface	10	5	\$10,000
Roof - Replace	20	18	\$80,000
Asphalt - Seal	5	2	\$5,000
Asphalt - Resurface	20	2	\$25,000
Building - Repaint	10	1	\$50,000
Elevator - Modernize	20	5	\$80,000
Hallways - Refurbish	8	6	\$24,000
	-	-	

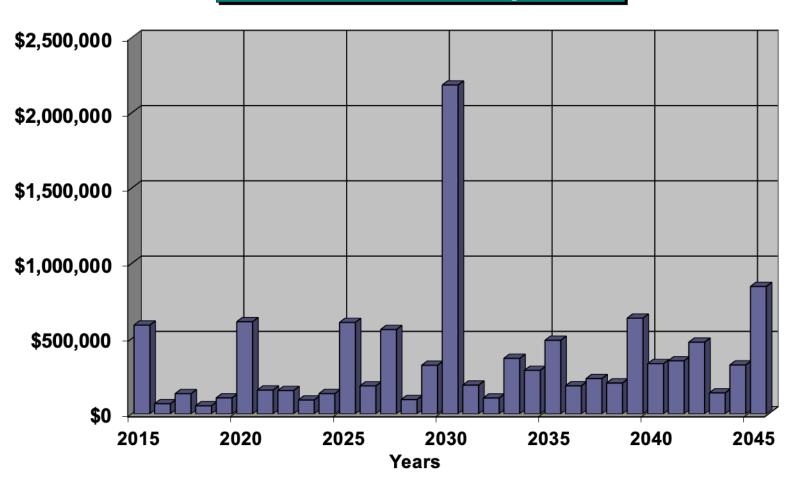


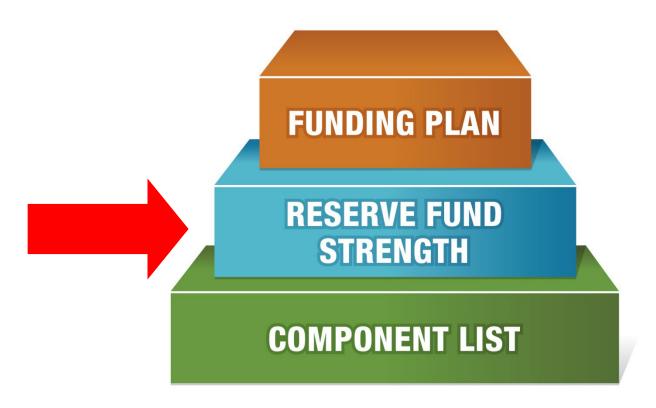
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Reserve Component List

Annual Reserve Expenses



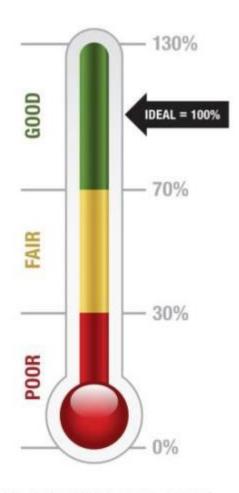




Reserve Fund Strength

Physical deterioration can be expressed in monetary terms by factoring in the Remaining Useful Lives (RULs)
& Replacement Costs of all the components on the Component List.

Reserve Fund Strength



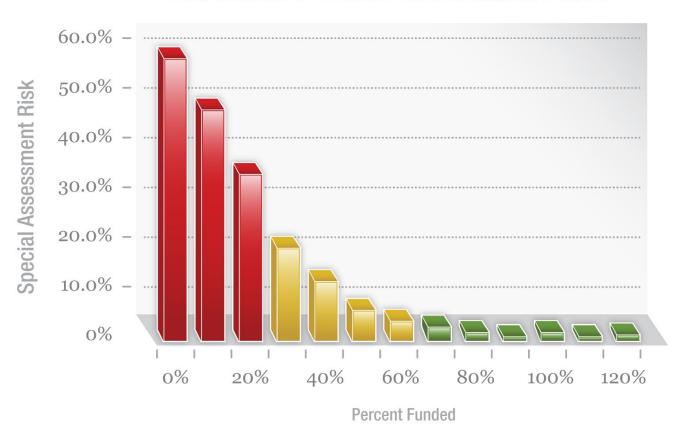
aka "% Funded"

Provides a clear indication how financially prepared you are to make timely repair and replacement, where 100% funded is "ideal".

RESERVE FUND STRENGTH

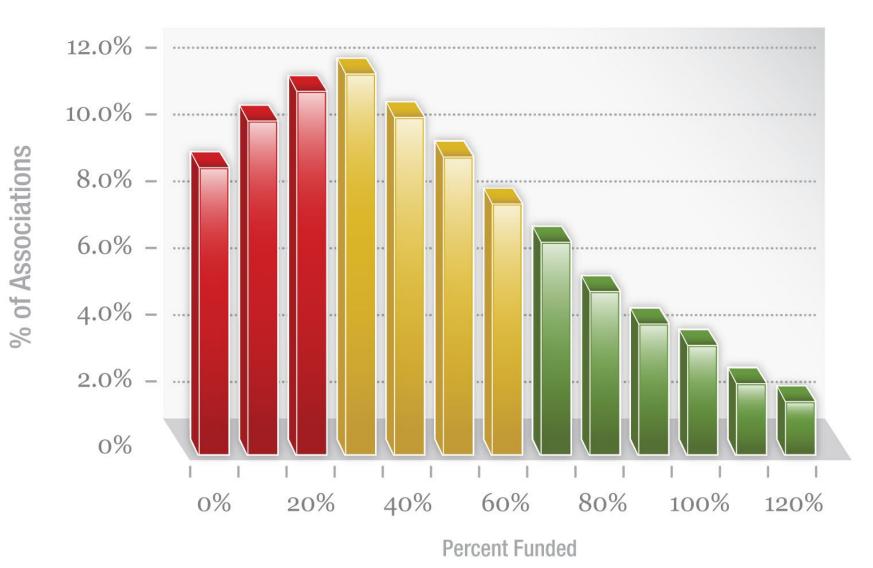
Reserve Fund Strength

NATIONAL SPECIAL ASSESSMENT RISK



Risk of Cash-Flow problems & deferred maintenance

NATIONAL RESERVE FUND STRENGTH



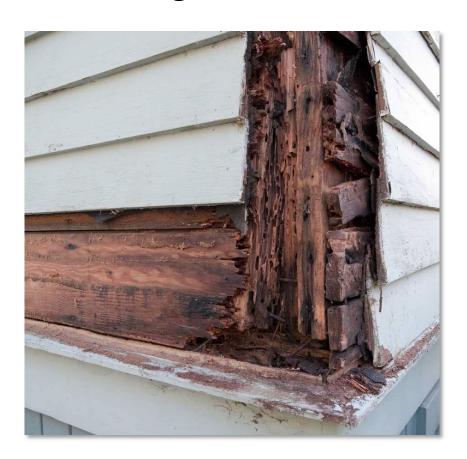
Part II

Consequences of Underfunding



Deferred Maintenance

 Capital Reserve Expenses get more expensive when ignored/deferred



Deferred Maintenance

5 Failure Modes

Inconsequential

Re-Evaluate

Obsolescence

Protection

Catastrophic



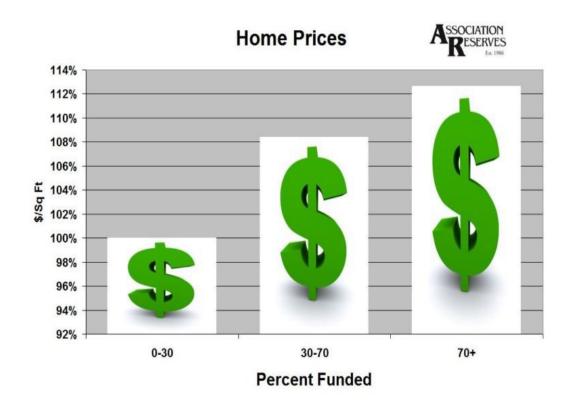


Lower Property Values

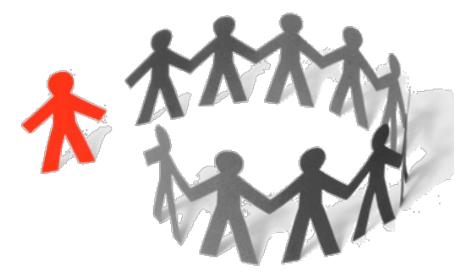


Lower Property Values

 A well funded association will increase the home resale value by 12%

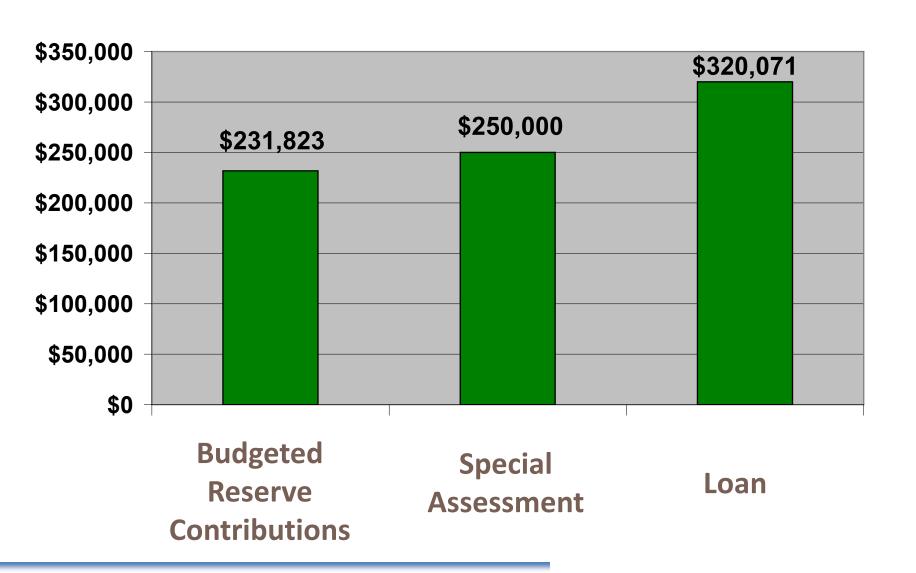


Special Assessments & Loans



- Unfair to Brand New Owners
- Unfair to Future Owners

Funding a \$250,000 Roof project



Mortgage Difficulties...



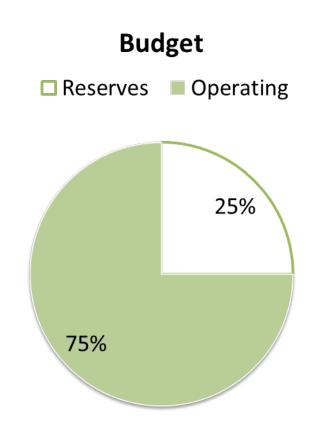






(15 - 40%)

How Much Money?



Liability Exposure





Funding Ideas



Part III

Using Your Reserve Study



How To Read A Reserve Study

3- Minute Executive Summary

Assoc. #:

of Units: 10

Location: Aspen, CO

Report Period: January 1, 2020 through December 31, 2020

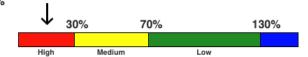
Findings/Recommendations as-of: January 1, 2020

Projected Starting Reserve Balance	109,217
Current Fully Funded Reserve Balance\$	685,493
Percent Funded	. 15.9 %
Recommended 2020 Annual "Fully Funding" Contributions	\$61,800
Alternate/Baseline Annual Minimum Contributions to Keep Reserves Above \$0	\$55,000
Recommended 2020 Special Assessments for Reserves\$	130,000
Recommended 2020 Special Assessments for Reserves\$ Most Recent Annual Reserve Contribution Rate	\$60,000

Reserves % Funded: 15.9%

Special Assessment Risk:

Association:



How To Read A Reserve Study

Executive Summary			26478-0
# Component	Useful Life (yrs)	Rem. Useful Life (yrs)	Current Average Cost
Sites & Grounds			
21190 Asphalt - Seal/Repair - 50%	4	0	\$3,350
21200 Asphalt - Resurface - 50%	25	17	\$23,000
21820 Shed - Refurbish	30	8	\$7,350
Building Exteriors			
23030 Ext. Lights (Utility) – Replace	25	5	\$6,350
23100 Staircase Treads (Wood) - Replace	50	10	\$38,250
23130 Patio Fencing - Replace	30	15	\$8,900
23190 Wood Balcony Decks - Seal	5	0	\$2,650
23200 Wood Balcony Decks - Resurface	30	5	\$34,550
23220 Balcony Rails - Paint	7	2	\$3,300
23230 Balcony Rails - Replace	30	5	\$13,850
23240 Walkway Wood Deck - Recoat	5	5	\$14,750
23245 Walkway Wood Deck – Resurface	30	0	\$180,000
23250 Walkway Deck Railing - Paint	7	2	\$3,150
23260 Walkway Deck Railing - Replace	30	10	\$13,350
23310 Wood Siding - Repair/Repaint	7	2	\$52,600
23320 Wood Siding - Replace	60	20	\$266,150
23550 Roof: Single Ply - Replace	20	1	\$141,650
23570 Roof: Composition Shingle - Replace	25	5	\$31,400
23650 Gutters/Downspouts - Replace	25	5	\$5,600
23660 Heat Tape - Replace	10	0	\$13,600

20 Total Funded Components

How To Read A Reserve Study

30-Year Reserve Plan Summary 26478-C							26478-0 Full		
		Fiscal Year Start: 2020			Interest:		1.25 %	Inflation:	3.00 %
Reserve Fund Strength Calculations: (All values of Fiscal Year Start Date)					F	Projected Reserve Balance Ch	nanges		
					% Increase				
	Starting	Fully		Special	In Annual		Loan or		
	Reserve	Funded	Percent	Assmt	Reserve	Reserve	Special	Interest	Reserve
Year	Balance	Balance	Funded	Risk	Contribs.	Contribs.	Assmts	Income	Expenses
2020	\$109,217	\$685,493	15.9 %	High	3.00 %	\$61,800	\$130,000	\$1,324	\$199,600
2021	\$102,741	\$539,250	19.1 %	High	3.00 %	\$63,654	\$0	\$775	\$145,900
2022	\$21,270	\$445,094	4.8 %	High	3.00 %	\$65,564	\$0	\$286	\$62,646
2023	\$24,473	\$435,063	5.6 %	High	3.00 %	\$67,531	\$0	\$732	\$0
2024	\$92,736	\$490,491	18.9 %	High	3.00 %	\$69,556	\$0	\$1,579	\$3,770
2025	\$160,101	\$544,970	29.4 %	High	3.00 %	\$71,643	\$0	\$1,668	\$126,535
2026	\$106,878	\$475,945	22.5 %	High	3.00 %	\$73,792	\$0	\$1,808	\$0
2027	\$182,478	\$536,528	34.0 %	Medium	3.00 %	\$76,006	\$0	\$2,772	\$0
2028	\$261,256	\$600,319	43.5 %	Medium	3.00 %	\$78,286	\$0	\$3,691	\$13,554
2029	\$329,679	\$653,493	50.4 %	Medium	3.00 %	\$80,635	\$0		\$77,047
2030	\$337,434	\$644,338	52.4 %	Medium	3.00 %	\$83,054	\$0		\$111,007
2031	\$313,547	\$601,448	52.1 %	Medium	2.00 %	\$84,715	\$0		\$0
2032	\$402,737	\$673,172	59.8 %	Medium	2.00 %	\$86,409	\$0		\$4,776
2033	\$489,946	\$743,739	65.9 %	Medium	2.00 %	\$88,138	\$0		\$0
2034	\$584,797	\$823,001	71.1 %	Low	2.00 %	\$89,900	\$0		\$0
2035	\$682,615	\$906,349	75.3 %	Low	2.00 %	\$91,698	\$0	\$8,901	\$40,975
2036	\$742,239	\$951,754	78.0 %	Low	2.00 %	\$93,532	\$0		\$100,134
2037	\$744,928	\$939,399	79.3 %	Low	2.00 %	\$95,403	\$0	\$9,726	\$38,015
2038	\$812,041	\$992,523	81.8 %	Low	2.00 %	\$97,311	\$0		\$0
2039	\$920,173	\$1,088,319	84.5 %	Low	2.00 %	\$99,257	\$0		\$0
2040	\$1,031,622	\$1,188,970	86.8 %	Low	2.00 %	\$101,242	\$0		\$542,736
2041	\$600,322	\$735,661	81.6 %	Low	2.00 %	\$103,267	\$0		\$263,511
2042	\$446,619	\$558,458	80.0 %	Low	2.00 %	\$105,333	\$0		S0
2043	\$558,228	\$649,518	85.9 %	Low	2.00 %	\$107,439	\$0		\$116,540
2044	\$556,088	\$625,503	88.9 %	Low	2.00 %	\$109,588	\$0		\$6,810
2045	\$666,503	\$716,086	93.1 %	Low	2.00 %	\$111,780	\$0		\$36,432
2046	\$750,704	\$781,240	96.1 %	Low	2.00 %	\$114,015	\$0		\$0
2047	\$874,874	\$888,310	98.5 %	Low	2.00 %	\$116,296	\$0	\$11,730	\$0

Low

2.00 %

\$118,622

\$120,994

\$13,306

\$14,931

\$7,665

2048

2049

\$1,002,899

\$1,127,162

\$1,001,101

\$1,111,966

100.2 %

101.4 %

Updating a Reserve Study

Boards who update their Reserve Study:

- Have demonstrably fewer special assessments
- Have a stable budget
- Ensure all owners pay their fair share
- Receive cost savings on Reserve Studies and projects

Annual Reserve Studies reduce your Special Assessment Risk!





Benefits from a Reserve Study?

- Avoid Surprises
- Save Money
- Clear Communication on Repair & Replacement Priorities
- Preserve Property Values

Remember...

- Have a Reserve Study Completed
- Boards are Responsible
- Reserve Expenses are inevitable & predictable
- Reserve Expenses get more expensive when ignored/deferred
- Owners pay the cost one way or another

Reserve for the Here & Now





Do you know (1) Property that needs a Reserve Study or an Update?



Please e-mail any follow-up questions or comments to:

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303/394-9181



Planning For The Inevitable™