

Level 3 Reserve Study Update

East Village Homeowners Association

Ashland, OR

Budget Year: 1/1/2018 – 12/31/2018

Reserve Specialist®: Carson M. Horton, RS®



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East Village Homeowners Association CRC Disclosures

This reserve study should be reviewed carefully. It may not include all common and limited common element components which will require major maintenance, repair, or replacement in future years, and may not include regular contributions to a reserve account for the cost of such maintenance, repair, or replacement. The failure to include a component in a reserve study, or to provide contributions to a reserve account for a component, may, under some circumstances, require you to pay, on demand, as a special assessment, your share of common expenses for the cost of major maintenance, repair, or replacement of a reserve component.

Period of Inquiry: This repair and replacement funding and cost analysis (reserve study) encompasses a period of thirty (30) years beginning on January 1, 2019 and ending on December 31, 2048.

Restrictions on Use: This reserve study document has been provided pursuant to an agreement containing restrictions on its use. No part of the document may be copied or distributed in any form, or disclosed to third parties, without the written permission of Capital Reserve Consultants, LLC (CRC) or the Association. The Association shall have the right to reproduce and distribute copies of this report, in whole or in part, as may be necessary in the conduct of the Association's business.

Current & Final Version: If the reader has obtained this document from anyone other than CRC or the owner of the subject property they should verify that the reserve study represents the current, final version of the report. Alterations made to this reserve study by any individual other than a representative of CRC are not authorized and do not represent the opinion of the Reserve Specialist® who prepared this Reserve study.

Statement of Qualifications: Carson M. Horton, RS®, the person supervising the preparation of this reserve study, is a Community Associations Institute Certified Reserve Specialist® (RS®); recognized for expertise in the preparation and analysis of reserve funding plans. Mr. Horton has supervised the preparation of more than one thousand reserve studies for homeowner's associations; investment property owners and institutional Associations in fourteen states.

Objective Analysis: CRC and Carson M. Horton, RS®, are independent, third party consultants with no actual or apparent conflict of interest which would prevent them from rendering an objective and impartial opinion regarding the appropriate level of reserve funding for the property which is the subject of this reserve study. The authors of this reserve study have no other involvement with the Association other than to prepare or update the reserve study.

Statement of Purpose: The purpose of this reserve study is to provide a planning and budgeting tool to assist in the development of a long range financial plan to pay for the maintenance and renewal of the property which is the subject of the funding analysis. Because this reserve study relies on assumptions regarding future events over which CRC has no control, the accuracy of replacement costs and scheduling cannot be guaranteed.

Assumptions: This analysis assumes that all components and equipment will be installed correctly, in a workmanlike manner, using generally accepted construction practices. It is expected routine preventive maintenance will be performed throughout the entire lifecycle of all components whether or not such maintenance expenses are provided for in this reserve funding plan. The component replacement schedules and corresponding funding projections presented in the reserve study assume all components will achieve their normal life expectancy before requiring replacement, unless otherwise noted.

Limitations of the Analysis: Information regarding the reserve fund balance was provided by the Association and has not been confirmed by an independent audit of the Association's financial records.

The authors of this Reserve study have no control over whether the funds allocated for maintenance and renewal of the subject property will be consistent with the recommendations made by this Reserve study.

Reliance on Third-Party Information: The reserve study is a reflection of information provided to CRC by third parties and cannot be used for the purpose of performing an audit, forensic analysis or verification of historical

**East Village Homeowners Association
CRC Disclosures**

records. The information is deemed reliable, but is not based on an audit of the Association's financial records, and should not be used for purposes other than those intended in this study. An on-site inspection conducted in conjunction with a reserve study should not be deemed to be a project audit or quality inspection.

Information which has been provided to CRC by third parties is deemed reliable for the purpose of this reserve study. Third party information which is incorrect may have a material impact on the Association's reserve funding requirements. CRC takes no responsibility for the accuracy of any such information or the impact inaccurate information may have on the findings and conclusions presented in the reserve study.

Standards of Analysis: This reserve study was prepared in accordance with the National Reserve Study Standards established by the Community Associations Institute for the preparation of reserve studies for common interest developments; the laws of various states and the rules set forth in the Audit & Accounting Guide Common Interest Realty Associations (American Institute of Certified Public Accountants-May 1, 2008).

No invasive or destructive testing has been employed in the investigative phase of this study and no environmental assessment of any kind was performed. This reserve study is not intended to address or discover construction defects and no representation is made herein that is meant to imply any such warranty.



Carson M. Horton, RS®



East Village Homeowners Association CRC Introduction

1. Level of Inquiry: This reserve study is a level 3 reserve study update of a previous reserve study that was prepared by Capital Reserve Consultants, LLC in 2016. A level 3 reserve study is an update of a previous study which does not include a site visit by the reserve study provider. Information regarding the component inventory, current condition and remaining useful life of the common area components pertaining to the East Village Homeowner Association (Association) was obtained during a visit to the property by representatives of CRC in March of 2016.

This Reserve Study is an analysis of the General and Limited Common Elements which are the responsibility of the Association to maintain and replace, according to the governing documents; or as may be required by state law.

Opinions regarding the current condition and remaining life expectancy of the common area components are based on visual observations made during the inspection process. Component quantities may be based on field measurements, a physical inventory and/or Association records. This information is intended to be used for developing long term reserve funding projections, but should not be considered adequate for the purpose of ordering materials or formulating repair and replacement project costs.

2. Limitations of the Analysis: The physical condition assessment performed in conjunction with this Reserve Study is not intended to identify construction defects or other sub-standard conditions which may require immediate corrective action. The Reserve Study utilizes information obtained from the following sources to arrive at component replacement costs and useful life estimates for the common area components identified in the component inventory:

- National Construction Estimator (2018)
- Life Cycle Costing for Facilities – (Reed Construction Publishers)
- Study of Life Expectancy of Home Components – 2007 (NAHB)
- Preventive Maintenance and Building Operations Efficiency – (BOMA)
- Facility Manager's Maintenance Handbook – (McGraw-Hill)
- RS Means Facilities Maintenance & Repair Cost Data - 16th Edition
- Condition assessment conducted by CRC in March 2016

3. Funding Timeframe: The funding time frame covered in this Reserve Study is 30 years. However, the study must be updated annually to remain current. Failure to maintain a current Reserve Study may affect the ability of owners and prospective buyers to obtain certain types of mortgage financing. The efficacy of any Reserve Study will be compromised if annual updates are not completed in a timely manner. Reserve studies which are not updated on an annual basis are not considered current by most mortgage lenders and mortgage insurance underwriters, including the Federal Housing Administration.

SECTION I

PHYSICAL ANALYSIS

East Village Homeowners Association CRC Property Summary

The following details pertain to the East Village Homeowners Association:

- 1. Legal Name of Association:** Homeowners Association.
- 2. Physical Address:** Abbott Avenue & Dollarhide Way, Ashland, OR
- 3. Mailing Address:** 258 A Street Suite 1, PMB 59, Ashland, OR 97520
- 4. Property Type:** Planned Development
- 5. Total Number of Residential Units or Lots:** 39
- 6. Year Constructed:** 2004-2006
- 7. Conversion Condominium:** No
- 8. Incorporation Date:** 9/13/2004
- 9. Association Responsibilities:** The Association is responsible for repair and replacement of General and Limited Common Elements as described in the Declaration for the Association.
- 10. Owner Responsibilities:** Owners are responsible for the maintenance, repair and replacement costs relating to the interiors of their respective condominium units up to the boundaries of the unit in the case of a condominium development or up to the boundaries of their respective lots in the case of a planned development; the boundary of each unit or lot being that which is described in the Declaration for the Association.
- 11. General Description:** The subject property is a residential planned development consisting of thirty-nine attached homes in seven buildings. The Association is responsible for maintaining the various site improvements including front yard landscaping; landscape irrigation equipment; sidewalks and driveway approaches. This Reserve Study includes expenditures pertaining to the following improvements:
 - Concrete sidewalks
 - Landscape irrigation equipment
 - Landscape Renovation (front yard only)

Common area improvements that are not included in this reserve funding analysis are paid for with funds from the operating account according to the Board of Directors.

SECTION II

FINANCIAL ANALYSIS

**East Village Homeowners Association
CRC Current & Projected Funding Analysis**

1. Current Financial Condition: The fiscal year for the East Village Homeowner Association begins January 1st of each year. This reserve study covers the 30 year period between: **January 1, 2018** and **December 31, 2046**.

The beginning reserve fund balance assumed in this reserve study is: **\$22,079.00**

Based on the funding schedule set forth in this reserve study, and the beginning reserve fund balance indicated above, the percent funded level as of **January 1, 2018** will be: **104%**

2. Percent Funded Level: The percent funded level resulting from this reserve study analysis is calculated using the following formula, which is mandated by the Community Associations Institute's National Reserve Study Standards:

Fully Funded = $PV \times CA / EUL$.

Where PV = present value; CA = current age; and EUL = expected useful life.

Hence the Fully Funded calculation for a component with a current age of 3 years, a present value of \$10,000 and an expected useful life of 10 years would be:

$\$10,000 \times 3 / 10 = \$3,000.00$.

Therefore, the total amount of money required to be Fully Funded as of the first day of the current funding cycle would be \$3,000.00.

3. Funding Parameters & Projections: Reserve funds will be accumulated in the replacement fund based on the estimated current replacement cost, adjusted for inflation, of the common area components listed in the Component Inventory. If additional funds are required at the time replacement occurs, the Association reserves the right, subject to member approval, to increase regular assessments or levy special assessments, or it may delay repair or replacement of components until funds are available.

Actual costs may vary from the amounts established in this reserve study. Investment income and income tax levels may affect reserve funding levels and the variances may be material. Amounts accumulated in the replacement reserve fund may not be adequate to meet future funding requirements; particularly if updates are not performed in a timely manner, or if reserve contributions are not consistent with the amounts set forth in this reserve study.

The reserve funding projections which result from this Reserve Study utilize the following financial parameters:

- A minimum reserve fund balance of **\$24,346.00** as of **January 1, 2018**.
- A minimum reserve fund contribution for **2018** in the amount of: **\$2,188.00**.
- A maximum annual increase in the reserve contribution after **2018** of: **6%**.
- Earnings on reserve deposits: **.25%**
- Annual inflation rate: **3.0%**
- Effective income tax rate: **0%**
- Reserve fund contingency: **3%***

**East Village Homeowners Association
CRC Current & Projected Funding Analysis**

*Assuming a reserve fund balance of **\$24,346.00** as of **January 1, 2018** and a reserve fund contingency provision of **3%**, the total contingency funding available in **2018** will be **\$730.00**.

The Annual Reserve Fund Expenditure Detail indicates the next reserve expenditures scheduled to occur will be in **2018**. The total amount of these expenditures is estimated to be: **\$4,539.00**.

4. Current Assessment Funding: The funding projection contained in this reserve study utilizes a cash flow funding method known as Current Assessment Funding. Current Assessment Funding is a reserve funding model in which the first year, or current, reserve fund contribution is established by the Board of Directors or the Reserve Specialist®. The Current Assessment Funding Projection begins with a **2018** reserve fund contribution of **\$2,188.00** which equals **\$56.10** per lot based on **39** lots.

Percent Funded Analysis: The percent funded level under the Current Assessment Funding Projection will be **89%** at the end of **2018** assuming the reserve fund activity is consistent with the schedule set forth in the reserve study.

The highest percent funded level after **2018** is **105%** in **2019**.

The lowest percent funded level after **2018** is **30%** in **2046**.

The Current Assessment Funding Projection included in the reserve study represents the contribution schedule required to meet the reserve obligations set forth in this reserve study for the next thirty years, assuming a beginning reserve fund balance of **\$24,346.00**; a **2018** year contribution of **\$2,188.00** and a maximum annual increase in the reserve contribution of **5%** in any year after **2018**.

6. Total Reserve Spending: Assuming the reserve fund expenditures and contributions do not deviate from the schedule set forth in this reserve study the reserve funding and spending obligations for the thirty year period ending on **December 31, 2047** are as follows:

- Total Reserve Spending **\$147,820.00**
- Average Annual Reserve Expenditures: **\$4,927.00**
- Total Reserve Fund Contributions: **\$134,753.00**
- Interest Earnings on Reserve Fund Deposits: **\$1,497.00**
- **December 31, 2047** Reserve Fund Balance: **\$12,775.00**

7. Minimum Reserve Fund Balance: Assuming the reserve fund contributions and expenditures do not deviate from the schedule set forth in this reserve study, the minimum year-end reserve fund balance resulting from the Current Assessment Funding Projection will be **\$4,420.00** in **2046**.

8. Funding Summary: The Current Assessment Funding Projection results in year-end percent funded levels which range from a low of **30%** to a high of **105%**. The Current Assessment Funding Projection will meet the obligations of the Association's reserve fund assuming the reserve fund activity does not deviate from the schedule set forth on this reserve study.

**East Village Homeowners Association
CRC Distribution of Accumulated Reserves**

Report Date April 11, 2018
Beginning Fiscal Year January 01, 2018
Account Number OR-1601-000-U18

Version Number LEVEL 3

Description	Remaining Life	Replacement Year	Assigned Reserves	Fully Funded Reserves
Concrete Sidewalks-Repair (Clay St)	0	2018	539	539
Landscape Irrigation-Sprinkler Heads-Shrub Zone	0	2018	4,000	4,000
Landscape Irrigation-Timers	5	2023	1,000	500
Concrete Sidewalks-Repair (Abbott Ave)	6	2024	3,262	2,327
Front Yard Landscape Renovation (1)	6	2024	4,550	4,550
Landscape Irrigation-Double-Check Valve (2")	6	2024	700	700
Concrete Sidewalks-Repair (Engle St)	7	2025	855	855
Front Yard Landscape Renovation (2)	7	2025	4,225	4,225
Concrete Sidewalks-Repair (Dollarhide Way)	8	2026	584	584
Front Yard Landscape Renovation (3)	8	2026	3,900	3,900
Total Asset Summary			<u>\$23,616</u>	<u>\$22,181</u>
Contingency at 3.00%			<u>\$730</u>	<u>\$686</u>
Summary Total			<u>\$24,346</u>	<u>\$22,867</u>
Excess Funds:				

SECTION III

RESERVE FUNDING PROJECTIONS

East Village Homeowners Association CRC Explanation of Reserve Funding Projections

This section of the Reserve Study provides an explanation of the funding models used to develop the annual reserve funding schedules included in this section. Each of the funding projections which follow will generate sufficient reserve contributions to pay for the projected expenditures scheduled in this Reserve Study, based on the same frequency of expenditure and replacement cost estimates. The differences in the annual contribution levels are impacted by the degree of safety, or margin of error, built into each funding schedule.

This margin of error is illustrated by a concept known as the percent funded level. The percent funded level measures the degree to which the Association's funding program is keeping pace with the economic loss in value of the common area components which are the subject of the Reserve Study.

In simple terms, if the cumulative loss in value of all common area components is \$100,000 at a particular point in time and the Association's accumulated reserve fund balance totals \$50,000 at that same point in time; then the percent funded level is said to be 50%. The percent funded level is always measured as of the first day of the Association's fiscal year.

For purposes of comparison, a percent funded level of 50% to 60% is generally considered the minimum acceptable level required to maintain a reasonable margin of error in the event any reserve expenditures exceed the amount or frequency set forth in the Reserve Study. However, it should be understood that there are no industry standards with respect to what constitutes an adequate level of reserve funding.

Any time the percent funded level is less than 100% it means that the accumulated reserve funds are not equal to the loss in value through depreciation, of the assets and improvements which are the subject of the reserve funding analysis. In those situations where the percent funded level is less than 100% it means that some portion of the reserve funding obligations of the current owners is being shifted to future generations of owners.

When the Association's reserves are less than 100% funded there is always a risk that a deviation in the funding cycle, or the amount of a scheduled expenditure, could result in the lack of adequate funds to pay for the expense depending on the degree to which the reserves are not fully funded.

For this reason it is generally viewed as a good reserve funding policy to maintain a percent funded level that is as high as possible without over-funding the reserves. Fully funded reserves, also known as 100% funding, are generally considered to be an "ideal" level of funding, although in most cases a fully funded reserve account is not necessary to maintain an adequate margin of error in the Association's reserve funding plan.

1. Reserve Funding Models: The thirty year reserve funding schedule presented in this Reserve Study utilizes a Cash Flow Funding Model known as Current Assessment Funding. The Current Assessment Funding projection begins with a **2018** reserve fund contribution of **\$2,188.00**.

Cash Flow Funding Model: Cash Flow Funding is a reserve funding approach which is designed to generate sufficient incoming cash flow into the Association's reserve account to meet the funding obligations established in the Reserve Study. Assuming the cost and frequency of reserve expenditures does not deviate from the schedule set forth in the Reserve Study; the Association's reserve fund will always contain enough money to meet its funding obligations, regardless of the percent funded level at any point in time.

All cash flow funding methods result in the pooling of reserves. Pooled reserves occur when all reserve funds are accumulated in one reserve account and the current reserves are allocated to pay for reserve expenditures based on chronological urgency or discretionary action taken by the Board of Directors. Reserves accumulated in a pooled reserve fund may only be used to pay for current or future reserve obligations and will automatically be reallocated to pay for other scheduled expenditures if 100% of the amount allocated to pay for a specific

**East Village Homeowners Association
CRC Explanation of Reserve Funding Projections**

expenditure is not used to pay for the expense at the time it is scheduled to occur.

Funds collected for the purpose of providing replacement reserves to pay for repair and replacement of common elements may not be used to pay for operating expenses or any expenses which are not specifically identified as reserve expenditures in the current Reserve Study.

2. Reserve Funding & Disclosure Requirements: The reserve funding projections presented in this Reserve Study are intended to serve as a guide to help frame the minimum and maximum funding levels which should be considered by the Board of Directors. Under Oregon law the Association is not obligated to adopt any particular method of reserve funding or to maintain any minimum percent funded level. The Association is required to fund the reserve account in an amount which is determined to be adequate to meet the reserve funding requirements of the Association, in the opinion of the Board of Directors.

**East Village Homeowners Association
CRC Current Assessment Funding Summary**

Report Parameters

Report Date	April 11, 2018	Inflation	3.00%
Account Number	OR-1601-000-U18		
Version	LEVEL 3	Interest Rate on Reserve Deposit	0.25%
Budget Year Beginning	January 01, 2018		
Budget Year Ending	December 31, 2018	Contingency	3.00%
Total Units	39		
Phase Development	3 of 3	2018 Beginning Balance	\$24,346

This funding projection utilizes the Current Assessment Funding Model to generate the funding schedule on the following page. Current Assessment Funding is a cash flow funding method which begins with a first year reserve contribution equal to the current annual contribution approved by the Association for the most recent fiscal year or an amount which is specified to meet the funding obligations of the Association.

Current Assessment Funding is often used when an association has already approved the annual reserve contribution for the current fiscal year or when the current level of funding is inadequate to meet the funding obligations set forth in the reserve study, and it is therefore necessary to specify the minimum level of funding which will meet the obligations imposed by the Association's reserve funding plan.

Reserves accumulated under a Current Assessment Funding Model Projection are pooled. Pooling of reserves refers to the fact that all funds are maintained in one fund and are allocated based on the annual cash flow required to meet the reserve funding obligations of the Association.

Current Assessment Funding Model Summary of Calculations

Required Month Contribution	\$182.33
Average Net Month Interest Earned	<u>\$4.38</u>
Total Month Allocation to Reserves	\$186.71

**East Village Homeowners Association
CRC Current Assessment Funding Projection**

Report Date April 11, 2018
Beginning Fiscal Year January 01, 2018
Account Number OR-1601-000-U18

Version Number LEVEL 3

Beginning Balance: \$24,346

Year	Current Cost	Annual Contribution	Annual Interest	Annual Expenditures	Projected Ending Reserves	Fully Funded Reserves	Percent Funded
2018	33,568	2,188	53	4,539	22,047	24,841	89%
2019	30,455	2,210	58		24,315	23,128	105%
2020	31,369	2,232	64		26,611	25,796	103%
2021	32,310	2,344	70		29,025	28,603	101%
2022	33,279	2,461	76		31,561	31,555	100%
2023	34,277	2,584	78	1,784	32,439	32,764	99%
2024	35,306	2,713	53	12,926	22,279	22,876	97%
2025	36,365	2,849	36	9,571	15,592	16,594	94%
2026	37,456	2,991	13	11,935	6,661	8,102	82%
2027	38,579	3,141	21		9,823	12,140	81%
2028	39,737	3,298	27	725	12,423	15,643	79%
2029	40,929	3,463	24	4,603	11,308	15,250	74%
2030	42,157	3,636	29	1,829	13,143	17,912	73%
2031	43,421	3,817	27	4,290	12,698	18,164	70%
2032	44,724	4,008	37		16,744	23,108	72%
2033	46,066	4,209	42	2,398	18,596	25,785	72%
2034	47,448	4,419	39	5,336	17,719	25,560	69%
2035	48,871	4,640	45	2,120	20,284	28,882	70%
2036	50,337	4,872	45	4,973	20,228	29,418	69%
2037	51,847	5,116	58		25,402	35,400	72%
2038	53,403	5,372	68	974	29,868	40,680	73%
2039	55,005	5,640	67	6,185	29,389	40,742	72%
2040	56,655	5,922	75	2,457	32,929	44,927	73%
2041	58,355	6,218	76	5,765	33,459	45,892	73%
2042	60,105	6,529	93		40,080	53,180	75%
2043	61,909	6,856	102	3,223	43,815	57,442	76%
2044	63,766	7,198	61	23,345	27,729	40,648	68%
2045	65,679	7,558	36	17,287	18,037	29,970	60%
2046	67,649	7,936	2	21,555	4,420	14,634	30%
2047	69,679	8,333	22		12,775	21,926	58%

SECTION IV

COMPONENT INVENTORY REPORTS

East Village Homeowners Association CRC Explanation of Component Inventory Reports

This section of the Reserve Study provides a narrative summary and tabular compilations of the common area components which are the subject of this reserve funding analysis. A brief explanation of each report contained in this section is included here for those readers who may be unfamiliar with the information provided in a Reserve Study.

1. Component Inventory Summary: This report provides a summary of the component inventory which is a condensed version of the information found in the Component Detail Reports which appears at the end of Section II. The components are grouped by the component category to which they have been assigned, and are listed within each category according to the remaining life expectancy of the component. Other information found in this report includes the in-service date, current cost, useful life, remaining life, future cost and current cost of each component.

2. Component Inventory by Remaining Life Expectancy: This report displays the component inventory sorted by the remaining life expectancy of each component which is included in the reserve funding schedule. Expenditures which are scheduled to recur more than one time over the 30 year period covered by the study will only appear one time in this list based on the next scheduled year of occurrence. Other information provided in this report includes the next scheduled year of replacement, useful life, current cost, assigned reserves and the amount required for each component to be fully funded as of the beginning date of the Reserve Study. If the assigned reserves are equal to the fully funded amount shown in the far right-hand column then the component in question is said to be fully funded.

3. Component Inventory with Current Costs: This report again displays the component inventory by category and remaining life expectancy. It also includes the component quantity based on the unit of measure (SF, SY, LF, etc.), the unit cost which has been used to arrive at the total replacement cost, and the current replacement cost as of the beginning date of the Reserve Study.

4. Component Detail Reports: This report, which is found in the Appendix, reflects all of the component data which has been input into the modeling database to develop the reserve funding projections contained in the Reserve Study. If a photographic inventory has been included in the Reserve Study a picture of the component will appear in this section of the report unless it is not possible to obtain a photograph of the component. Most of the information contained in this report is also displayed in one or more of the Component Inventory reports found in Section II.

**East Village Homeowners Association
CRC Component Inventory Summary**

Report Date April 11, 2018
Beginning Fiscal Year January 01, 2018
Account Number OR-1601-000-U18

Version Number LEVEL 3

Description	Asset ID	Date In Service	Current Cost	Useful Life	Adjustment	Remaining	Future Cost	Quantity	Unit Cost
Concrete Pavement									
Concrete Sidewalks-Repair (Clay St)		2018	539	5	9	0	539	1135 @	9.50
This component provides funding for repairing the sidewalks along Clay Street . Funding is scheduled to occur every 5 years beginning in 2018.									
Concrete Sidewalks-Repair (Abbott Ave)		2024	3,325	5	15	6	3,970	7000 @	9.50
This component provides funding for repairing the sidewalks along Abbott Ave . Funding is scheduled to occur every 5 years beginning in 2024.									
Concrete Sidewalks-Repair (Engle St)		2025	1,282	5	16	7	1,577	2700 @	9.50
This component provides funding for repairing the sidewalks along Engle Street . Funding is scheduled to occur every 5 years beginning in 2025.									
Concrete Sidewalks-Repair (Dollarhide Way)		2026	2,921	5	5	8	3,701	6150 @	9.50
This component provides funding for repairing the sidewalks along Dollarhide Way. Funding is scheduled to occur every 5 years beginning in 2026.									
Landscaping & Irrigation									
Landscape Irrigation-Sprinkler Heads-Shrub Zone		2018	4,000	1	0	0	4,000	1 @	4,000.00
This component provides funding for upgrading the sprinkler heads within the shrub zones. Funding is scheduled to occur one time in 2016 after replacement of individula sprinkler heads will be expensed to the operating budget rather than capitalized.									
Landscape Irrigation-Timers		2023	1,000	10	0	5	1,159	2 @	500.00
This component provides funding for replacement of the landscape irrigation timers. Funding is scheduled to occur every 10 years beginning in 2023.									
Front Yard Landscape Renovation (1)		2024	6,500	20	0	6	7,761	13 @	500.00
This component provides funding for renovation of the front yard area landscaping at 13 of the 39 homes. Funding is scheduled to occur every 20 years beginning in 2024.									

**East Village Homeowners Association
CRC Component Inventory Summary**

Description	Asset ID	Date In Service	Current Cost	Useful Life	Adjustment	Remaining	Future Cost	Quantity	Unit Cost
Landscaping & Irrigation continued...									
Landscape Irrigation-Double-Check Valve (2")		2024	1,000	20	0	6	1,194	1 @	1,000.00
This component provides funding for replacement of the 2" double-check valve that is part of the landscape irrigation system. Funding is scheduled to occur every 20 years beginning in 2024.									
Front Yard Landscape Renovation (2)		2025	6,500	20	0	7	7,994	13 @	500.00
This component provides funding for renovation of the front yard area landscaping at 13 of the 39 homes. Funding is scheduled to occur every 20 years beginning in 2025.									
Front Yard Landscape Renovation (3)		2026	6,500	20	0	8	8,234	13 @	500.00
This component provides funding for renovation of the front yard area landscaping at 13 of the 39 homes. Funding is scheduled to occur every 20 years beginning in 2026.									

East Village Homeowners Association
CRC Component Inventory by Remaining Life Expectancy

Report Date April 11, 2018
Beginning Fiscal Year January 01, 2018
Account Number OR-1601-000-U18

Version Number LEVEL 3

Description	Replacement Year	Useful Life	Adjustment	Remaining Life	Current Cost	Assigned Reserves	Fully Funded
Concrete Sidewalks-Repair (Clay St)	2018	5	9	0	539	539	539
Landscape Irrigation-Sprinkler Heads-Shrub Zone	2018	1	0	0	4,000	4,000	4,000
Landscape Irrigation-Timers	2023	10	0	5	1,000	1,000	500
Concrete Sidewalks-Repair (Abbott Ave)	2024	5	15	6	3,325	3,262	2,327
Front Yard Landscape Renovation (1)	2024	20	0	6	6,500	4,550	4,550
Landscape Irrigation-Double-Check Valve (2")	2024	20	0	6	1,000	700	700
Concrete Sidewalks-Repair (Engle St)	2025	5	16	7	1,282	855	855
Front Yard Landscape Renovation (2)	2025	20	0	7	6,500	4,225	4,225
Concrete Sidewalks-Repair (Dollarhide Way)	2026	5	5	8	2,921	584	584
Front Yard Landscape Renovation (3)	2026	20	0	8	6,500	3,900	3,900
Total Asset Summary					<u>\$33,568</u>	<u>\$23,616</u>	<u>\$22,181</u>
Contingency at 3.00%						<u>\$730</u>	<u>\$686</u>
Summary Total						<u>\$24,346</u>	<u>\$22,867</u>

Excess Funds:

**East Village Homeowners Association
CRC Component Inventory with Current Costs**

Report Date April 11, 2018
Beginning Fiscal Year January 01, 2018
Account Number OR-1601-000-U18

Version Number LEVEL 3

Description	Date in Service	Replacement Year	Useful	Adjustment Remaining	Units	Unit Cost	Current Cost
Concrete Pavement							
Concrete Sidewalks-Repair (Clay St)	2004	2018	5	9	0	56 SF	9.50 539
Concrete Sidewalks-Repair (Abbott Ave)	2004	2024	5	15	6	350 SF	9.50 3,325
Concrete Sidewalks-Repair (Engle St)	2004	2025	5	16	7	135 SF	9.50 1,282
Concrete Sidewalks-Repair (Dollarhide Way)	2016	2026	5	5	8	307 SF	9.50 <u>2,921</u>
Concrete Pavement - Total							\$8,068
Landscaping & Irrigation							
Landscape Irrigation-Sprinkler Heads-Shrub Zone							
	2016	2018	1	0	0	1 Total	4,000.00 4,000
Landscape Irrigation-Timers	2013	2023	10	0	5	2 EA	500.00 1,000
Front Yard Landscape Renovation (1)	2004	2024	20	0	6	13 UNITS	500.00 6,500
Landscape Irrigation-Double-Check Valve (..	2004	2024	20	0	6	1 Total	1,000.00 1,000
Front Yard Landscape Renovation (2)	2005	2025	20	0	7	13 UNITS	500.00 6,500
Front Yard Landscape Renovation (3)	2006	2026	20	0	8	13 UNITS	500.00 <u>6,500</u>
Landscaping & Irrigation - Total							\$25,500
Total Asset Summary							\$33,568

SECTION V

RESERVE EXPENDITURE REPORTS

East Village Homeowners Association CRC Explanation of Reserve Expenditure Reports

This section of the Reserve Study includes a series of reports which detail how the Association's reserve funds will be spent over the next 30 years. A brief explanation of each report contained in this section is included here for those readers who may be unfamiliar with the information provided in a Reserve Study.

1. Annual Reserve Expenditure Detail: This report provides a year by year summary of the reserve fund expenditures scheduled for each year covered in the Reserve Study. Expenditures are listed alphabetically in each year when they are scheduled to occur. Hence, an expenditure which is scheduled to occur every 5 years beginning in 2015 will appear for the first time under the 2015 heading and again in years 2020, 2025, 2030 and so on. The projected costs listed for each year take into account the effect of inflation on future replacement costs. Therefore, the replacement cost for a recurring expenditure will be higher each time it appears in this schedule.

2. Capital & Non-Capital Expenditures: This report groups the scheduled reserve expenditures under one of two categories; Capital Expenditures or Non-Capital Expenditures. In the context of a Reserve Study capital expenditures are generally defined as expenditures which are for the purpose of replacing, improving or prolonging the life expectancy of a common area asset. Non-capital expenditures are expenses incurred to maintain or repair common area assets, but which are not necessarily expected to improve or extend the life expectancy of the asset.

**East Village Homeowners Association
CRC Annual Reserve Expenditure Detail**

Report Date April 11, 2018
Beginning Fiscal Year January 01, 2018
Account Number OR-1601-000-U18

Version Number LEVEL 3

Description	Expenditures
Replacement Year 2018	
Concrete Pavement	
Concrete Sidewalks-Repair (Clay St)	539
Landscaping & Irrigation	
Landscape Irrigation-Sprinkler Heads-Shrub Zone	4,000
Total for 2018	\$4,539
<i>No Replacement in 2019</i>	
<i>No Replacement in 2020</i>	
<i>No Replacement in 2021</i>	
<i>No Replacement in 2022</i>	
Replacement Year 2023	
Concrete Pavement	
Concrete Sidewalks-Repair (Clay St)	625
Landscaping & Irrigation	
Landscape Irrigation-Timers	1,159
Total for 2023	\$1,784
Replacement Year 2024	
Concrete Pavement	
Concrete Sidewalks-Repair (Abbott Ave)	3,970
Landscaping & Irrigation	
Front Yard Landscape Renovation (1)	7,761
Landscape Irrigation-Double-Check Valve (2")	1,194
Total for 2024	\$12,926
Replacement Year 2025	
Concrete Pavement	
Concrete Sidewalks-Repair (Engle St)	1,577

**East Village Homeowners Association
CRC Annual Reserve Expenditure Detail**

Description	Expenditures
<i>Replacement Year 2025 continued...</i>	
Landscaping & Irrigation	
Front Yard Landscape Renovation (2)	7,994
Total for 2025	<u>\$9,571</u>
Replacement Year 2026	
Concrete Pavement	
Concrete Sidewalks-Repair (Dollarhide Way)	3,701
Landscaping & Irrigation	
Front Yard Landscape Renovation (3)	8,234
Total for 2026	<u>\$11,935</u>
<i>No Replacement in 2027</i>	
Replacement Year 2028	
Concrete Pavement	
Concrete Sidewalks-Repair (Clay St)	725
Total for 2028	<u>\$725</u>
Replacement Year 2029	
Concrete Pavement	
Concrete Sidewalks-Repair (Abbott Ave)	4,603
Total for 2029	<u>\$4,603</u>
Replacement Year 2030	
Concrete Pavement	
Concrete Sidewalks-Repair (Engle St)	1,829
Total for 2030	<u>\$1,829</u>
Replacement Year 2031	
Concrete Pavement	
Concrete Sidewalks-Repair (Dollarhide Way)	4,290
Total for 2031	<u>\$4,290</u>

**East Village Homeowners Association
CRC Annual Reserve Expenditure Detail**

Description	Expenditures
<i>No Replacement in 2032</i>	
Replacement Year 2033	
Concrete Pavement	
Concrete Sidewalks-Repair (Clay St)	840
Landscaping & Irrigation	
Landscape Irrigation-Timers	1,558
Total for 2033	<u>\$2,398</u>
Replacement Year 2034	
Concrete Pavement	
Concrete Sidewalks-Repair (Abbott Ave)	5,336
Total for 2034	<u>\$5,336</u>
Replacement Year 2035	
Concrete Pavement	
Concrete Sidewalks-Repair (Engle St)	2,120
Total for 2035	<u>\$2,120</u>
Replacement Year 2036	
Concrete Pavement	
Concrete Sidewalks-Repair (Dollarhide Way)	4,973
Total for 2036	<u>\$4,973</u>
<i>No Replacement in 2037</i>	
Replacement Year 2038	
Concrete Pavement	
Concrete Sidewalks-Repair (Clay St)	974
Total for 2038	<u>\$974</u>
Replacement Year 2039	
Concrete Pavement	
Concrete Sidewalks-Repair (Abbott Ave)	6,185
Total for 2039	<u>\$6,185</u>

**East Village Homeowners Association
CRC Annual Reserve Expenditure Detail**

Description	Expenditures
Replacement Year 2040	
Concrete Pavement	
Concrete Sidewalks-Repair (Engle St)	2,457
Total for 2040	\$2,457
Replacement Year 2041	
Concrete Pavement	
Concrete Sidewalks-Repair (Dollarhide Way)	5,765
Total for 2041	\$5,765
<i>No Replacement in 2042</i>	
Replacement Year 2043	
Concrete Pavement	
Concrete Sidewalks-Repair (Clay St)	1,129
Landscaping & Irrigation	
Landscape Irrigation-Timers	2,094
Total for 2043	\$3,223
Replacement Year 2044	
Concrete Pavement	
Concrete Sidewalks-Repair (Abbott Ave)	7,171
Landscaping & Irrigation	
Front Yard Landscape Renovation (1)	14,018
Landscape Irrigation-Double-Check Valve (2")	2,157
Total for 2044	\$23,345
Replacement Year 2045	
Concrete Pavement	
Concrete Sidewalks-Repair (Engle St)	2,849
Landscaping & Irrigation	
Front Yard Landscape Renovation (2)	14,438
Total for 2045	\$17,287

**East Village Homeowners Association
CRC Annual Reserve Expenditure Detail**

Description	Expenditures
Replacement Year 2046	
Concrete Pavement	
Concrete Sidewalks-Repair (Dollarhide Way)	6,684
Landscaping & Irrigation	
Front Yard Landscape Renovation (3)	14,872
Total for 2046	<u>\$21,555</u>

**East Village Homeowners Association
CRC Capital & Non-Capital Reserve Expenditures**

Description	Date in Service	Replacement Year	Useful	Adjustment	Remaining	Units	Unit Cost	Current Cost
Capital Expenditures								
Concrete Sidewalks-Repair (Abbott Ave)	2004	2024	5	15	6	350 SF	9.50	3,325
Concrete Sidewalks-Repair (Clay St)	2004	2018	5	9	0	56 SF	9.50	539
Concrete Sidewalks-Repair (Dollarhide Way)	2016	2026	5	5	8	307 SF	9.50	2,921
Concrete Sidewalks-Repair (Engle St)	2004	2025	5	16	7	135 SF	9.50	1,282
Front Yard Landscape Renovation (1)	2004	2024	20	0	6	13 UNITS	500.00	6,500
Front Yard Landscape Renovation (2)	2005	2025	20	0	7	13 UNITS	500.00	6,500
Front Yard Landscape Renovation (3)	2006	2026	20	0	8	13 UNITS	500.00	6,500
Landscape Irrigation-Double-Check Valve (..	2004	2024	20	0	6	1 Total	1,000.00	1,000
Landscape Irrigation-Sprinkler Heads-Shrub Zone	2016	2018	1	0	0	1 Total	4,000.00	4,000
Landscape Irrigation-Timers	2013	2023	10	0	5	2 EA	500.00	1,000
Capital Expenditures - Total								<u>\$33,568</u>
Total Asset Summary								<u>\$33,568</u>

APPENDIX

**East Village Homeowners Association
CRC Component Detail Reports**

Report Date April 11, 2018
Beginning Fiscal Year January 01, 2018
Account Number OR-1601-000-U18

Version Number LEVEL 3

Concrete Sidewalks-Repair (Clay St) - 2018

		1,135 SF	@ \$9.50
Asset ID		Asset Cost	\$539.12
Capital Expenditures		Percent Replacement	5%
Concrete Pavement		Future Cost	\$539.12
Placed in Service	January 2004	Assigned Reserves	\$539.12
Useful Life	5		
Adjustment	9	Monthly Assessment	No Assessment
Replacement Year	2018	Interest Contribution	
Remaining Life	0	Reserve Allocation	

This component provides funding for repairing the sidewalks along Clay Street . Funding is scheduled to occur every 5 years beginning in 2018.

**East Village Homeowners Association
CRC Component Detail Reports**

Landscape Irrigation-Sprinkler Heads-Shrub Zone - 2018

		1 Total	@ \$4,000.00
Asset ID		Asset Cost	\$4,000.00
	Capital Expenditures	Percent Replacement	100%
	Landscaping & Irrigation	Future Cost	\$4,000.00
Placed in Service	January 2016	Assigned Reserves	\$4,000.00
Useful Life	1		
Replacement Year	2018	Monthly Assessment	No Assessment
Remaining Life	0	Interest Contribution	
		Reserve Allocation	

This component provides funding for upgrading the sprinkler heads within the shrub zones. Funding is scheduled to occur one time in 2016 after replacement of individual sprinkler heads will be expensed to the operating budget rather than capitalized.

**East Village Homeowners Association
CRC Component Detail Reports**

Landscape Irrigation-Timers - 2023

		2 EA	@ \$500.00
Asset ID		Asset Cost	\$1,000.00
	Capital Expenditures	Percent Replacement	100%
	Landscaping & Irrigation	Future Cost	\$1,159.27
Placed in Service	January 2013	Assigned Reserves	\$1,000.00
Useful Life	10		
Replacement Year	2023	Monthly Assessment	\$2.27
Remaining Life	5	Interest Contribution	<u>\$0.21</u>
		Reserve Allocation	\$2.48

This component provides funding for replacement of the landscape irrigation timers. Funding is scheduled to occur every 10 years beginning in 2023.

**East Village Homeowners Association
CRC Component Detail Reports**

Concrete Sidewalks-Repair (Abbott Ave) - 2024

		7,000 SF	@ \$9.50
Asset ID		Asset Cost	\$3,325.00
	Capital Expenditures	Percent Replacement	5%
	Concrete Pavement	Future Cost	\$3,970.22
Placed in Service	January 2004	Assigned Reserves	\$3,262.24
Useful Life	5		
Adjustment	15	Monthly Assessment	\$8.48
Replacement Year	2024	Interest Contribution	<u>\$0.69</u>
Remaining Life	6	Reserve Allocation	\$9.17

This component provides funding for repairing the sidewalks along Abbott Ave . Funding is scheduled to occur every 5 years beginning in 2024.

**East Village Homeowners Association
CRC Component Detail Reports**

Front Yard Landscape Renovation (1) - 2024

		13 UNITS	@ \$500.00
Asset ID		Asset Cost	\$6,500.00
	Capital Expenditures	Percent Replacement	100%
	Landscaping & Irrigation	Future Cost	\$7,761.34
Placed in Service	January 2004	Assigned Reserves	\$4,550.00
Useful Life	20		
Replacement Year	2024	Monthly Assessment	\$40.47
Remaining Life	6	Interest Contribution	<u>\$1.00</u>
		Reserve Allocation	\$41.47

This component provides funding for renovation of the front yard area landscaping at 13 of the 39 homes. Funding is scheduled to occur every 20 years beginning in 2024.

**East Village Homeowners Association
CRC Component Detail Reports**

Landscape Irrigation-Double-Check Valve (2") - 2024

		1 Total	@ \$1,000.00
Asset ID		Asset Cost	\$1,000.00
	Capital Expenditures	Percent Replacement	100%
	Landscaping & Irrigation	Future Cost	\$1,194.05
Placed in Service	January 2004	Assigned Reserves	\$700.00
Useful Life	20		
Replacement Year	2024	Monthly Assessment	\$6.23
Remaining Life	6	Interest Contribution	<u>\$0.15</u>
		Reserve Allocation	\$6.38

This component provides funding for replacement of the 2" double-check valve that is part of the landscape irrigation system. Funding is scheduled to occur every 20 years beginning in 2024.

**East Village Homeowners Association
CRC Component Detail Reports**

Concrete Sidewalks-Repair (Engle St) - 2025

		2,700 SF	@ \$9.50
Asset ID		Asset Cost	\$1,282.50
	Capital Expenditures	Percent Replacement	5%
	Concrete Pavement	Future Cost	\$1,577.31
Placed in Service	January 2004	Assigned Reserves	\$855.00
Useful Life	5		
Adjustment	16	Monthly Assessment	\$7.80
Replacement Year	2025	Interest Contribution	<u>\$0.19</u>
Remaining Life	7	Reserve Allocation	\$7.98

This component provides funding for repairing the sidewalks along Engle Street . Funding is scheduled to occur every 5 years beginning in 2025.

**East Village Homeowners Association
CRC Component Detail Reports**

Front Yard Landscape Renovation (2) - 2025

		13 UNITS	@ \$500.00
Asset ID		Asset Cost	\$6,500.00
	Capital Expenditures	Percent Replacement	100%
	Landscaping & Irrigation	Future Cost	\$7,994.18
Placed in Service	January 2005	Assigned Reserves	\$4,225.00
Useful Life	20		
Replacement Year	2025	Monthly Assessment	\$40.73
Remaining Life	7	Interest Contribution	<u>\$0.94</u>
		Reserve Allocation	\$41.66

This component provides funding for renovation of the front yard area landscaping at 13 of the 39 homes. Funding is scheduled to occur every 20 years beginning in 2025.

**East Village Homeowners Association
CRC Component Detail Reports**

Concrete Sidewalks-Repair (Dollarhide Way) - 2026

		6,150 SF	@ \$9.50
Asset ID		Asset Cost	\$2,921.25
	Capital Expenditures	Percent Replacement	5%
	Concrete Pavement	Future Cost	\$3,700.55
Placed in Service	January 2016	Assigned Reserves	\$584.25
Useful Life	5		
Adjustment	5	Monthly Assessment	\$29.91
Replacement Year	2026	Interest Contribution	<u>\$0.16</u>
Remaining Life	8	Reserve Allocation	\$30.07

This component provides funding for repairing the sidewalks along Dollarhide Way. Funding is scheduled to occur every 5 years beginning in 2026.

**East Village Homeowners Association
CRC Component Detail Reports**

Front Yard Landscape Renovation (3) - 2026

		13 UNITS	@ \$500.00
Asset ID		Asset Cost	\$6,500.00
	Capital Expenditures	Percent Replacement	100%
	Landscaping & Irrigation	Future Cost	\$8,234.01
Placed in Service	January 2006	Assigned Reserves	\$3,900.00
Useful Life	20		
Replacement Year	2026	Monthly Assessment	\$40.99
Remaining Life	8	Interest Contribution	<u>\$0.87</u>
		Reserve Allocation	\$41.86

This component provides funding for renovation of the front yard area landscaping at 13 of the 39 homes. Funding is scheduled to occur every 20 years beginning in 2026.

**East Village Homeowners Association
CRC Component Detail Reports**

Detail Report Summary

Total of All Assets

Assigned Reserves	\$23,615.62
Monthly Contribution	\$176.86
Monthly Interest	\$4.22
Monthly Allocation	\$181.08

Contingency at 3.00%

Assigned Reserves	\$730.38
Monthly Contribution	\$5.47
Monthly Interest	\$0.13
Monthly Allocation	\$5.60

Grand Total

Assigned Reserves	\$24,346.00
Monthly Contribution	\$182.33
Monthly Interest	\$4.35
Monthly Allocation	\$186.68

**East Village Homeowners Association
CRC Glossary**

Abbreviations

Btu – British thermal unit

CFM – Cubic feet per minute

CY – Cubic yard

EA – Each

FYE – Fiscal year end or fiscal year ending

GPM – Gallons per minute

LBS – Pounds

LF – Lineal foot

MBH – Thousand Btu per hour

NCE – National Construction Estimator CostBooks® construction cost estimating database

RSM – RS Means CostWorks® construction cost estimating database

SF – Square foot

SQ – 100 square feet (commonly used unit of measure for shingle roofing)

SY – Square yard

TSF – Total square feet

YR – Year

Definition of Reserve Study Terms

Accumulated Reserves -The accumulated reserves are the funds available to pay for reserve expenditures as of the first day of the current budget cycle. The accumulated reserve balance may or may not include the reserve contribution for the current year depending on whether the reserve contribution is made at the beginning of the budget year or throughout the course of the year. The terms beginning balance and starting balance are also used in some reserve studies.

Capital Expense – For the purposes of this reserve funding analysis The AICPA definition of capital expense shall apply, as follows: Funds expended for improvements, or major repairs or replacements or improvements of property components that extend their useful lives or service periods.

Cash Flow Funding – Cash flow funding is a reserve funding model which is designed to generate sufficient cash flow to pay for the reserve expenditures set forth in the reserve study as opposed to a funding schedule that accumulates reserves in correlation with the rate at which the capital assets are losing value due to depreciation. Under a cash flow funding model the accumulated reserves at any point in time may or may not offset the asset value that has been lost to depreciation. When the accumulated reserve fund balance is equal to or greater than the value that has been lost to depreciation the reserves are said to be fully funded or 100% funded.

East Village Homeowners Association CRC Glossary

Common Elements - Common Elements are the assets and improvements that are commonly owned by the members of the Association and which are maintained, repaired and replaced at the Association's expense. Common elements may be *limited common elements* meaning they are used by some but not all association members or they may be a *general common element*, which means they are intended for the use and benefit of all association members.

Component – In the context of reserve planning a component is an expense identified in the reserve study that will be paid for with funds from the reserve account.

Component Funding – Component Funding is a funding method which allocates reserves to each component based on the projected replacement cost and remaining life expectancy as of the beginning date of the current fiscal reporting period. The projected replacement cost is then amortized over the remaining life expectancy of the component and the accumulated reserves are allocated by dividing the future replacement cost by the number of years remaining until replacement is scheduled to occur.

Component Funding utilizes a different math model from that which is used to calculate Cash Flow Funding Projections and is therefore considered an alternative reserve funding methodology to Cash Flow Funding. Component Funding is typically utilized when the goal is to generate annual reserve contributions which offset the loss in value associated with the depreciation of the components which are the subject of the funding analysis.

Component Inventory – A list of all components included in the replacement reserve funding schedule.

Current Assessment Funding Model - Current Assessment Funding is a cash flow funding method which begins with a first year reserve contribution equal to the current annual reserve contribution which has been scheduled by the Association or an amount specified by the Board of Directors or the Reserve Specialist®.

Current Assessment Funding is often used when an Association has already approved the annual reserve contribution for the upcoming budget year; or when it is necessary to specify the reserve fund contribution rather than allowing the reserve study software to calculate the contribution.

Effective Age – The effective age is the difference between *useful life expectancy* and the *remaining useful life* of a component. The effective age is not always equivalent to the chronological age of the component due to the tendency for similar components to age at differing rates because of unique characteristics of the individual components.

Expected Useful Life (EUL) - The generally accepted life expectancy of a component from the time it is placed into service as a new component until the time when major renovation, renewal or replacement of the component is required in order to maintain the quality, performance and usefulness of the component.

Financial Analysis – The section of the reserve study which analyzes the current and future financial implications of the reserve funding obligations set forth in the study. The current analysis provides information regarding the current reserve fund status as of the first day of the current reporting period. The future analysis addresses the financial obligations established by the reserve study based on the future component expenditures and replacement schedules set forth in the study.

Fiscal Year – An accounting term used to describe a one year reporting cycle other than a January 1-December 31 cycle (calendar year); although the term "fiscal year" is often used to describe any one year financial reporting cycle, including a calendar year reporting cycle. The fiscal year is identified by the year when the

East Village Homeowners Association CRC Glossary

reporting cycle *ends*. Hence, if the fiscal year ends on June 30th then the fiscal year ending on June 30, 2017 is referred to as the 2017 fiscal year or fiscal year 2017.

Fully Funded Balance – The term Fully Funded means that the amount of money allocated to pay for each funded reserve expense is equal to the amount derived from the following formula:

$$\text{Fully Funded} = \text{PV} \times \text{CA} / \text{EUL}.$$

Where PV = present value; CA = current age; and EUL = expected useful life.

The Fully Funded balance is the cumulative amount required to achieve Full Funding for all of the components included in the replacement reserve funding schedule. The present value is always the future replacement cost adjusted for inflation as of the beginning date of the current reserve study. This concept is explained in more detail under the definition of Percent Funded.

It is important to note that full funding does not mean that 100% of the projected replacement cost is available to pay for the expense in question at any particular point in time. Rather it means the current level of funding is equal to the value of the component or components that has been lost to depreciation. If a component is projected to cost \$20,000 to replace and it has a 20 year life expectancy then it will depreciate at the rate of \$1,000 per year. At year 10, the component will have lost \$10,000 of its economic value and hence the allocated reserves at the end of the 10th year would need to be \$10,000 in order for the component to be Fully Funded.

Funding Projection – A schedule which projects the annual reserve funding contributions required to meet the reserve funding requirements set forth in the reserve study. When the reserve funding projection begins with the first day of the current reporting period the reserve study is said to be *current*. The reserve funding projections contained in most studies encompass a period of thirty years but can encompass any number of years.

Financial Analysis – The section of the reserve funding study which analyzes the current and future financial implications of the reserve funding obligations presented in the study. The current analysis provides information regarding the current reserve fund status as of the first day of the current reporting period. The future analysis discusses the financial obligations implied by the reserve funding study based on the future component expenditures and replacement schedules set forth in the study.

Funding Velocity – Funding Velocity is a dynamic value utilized when Component Funding is used to generate the annual reserve funding projection. The Funding Velocity influences the percent funded level and determines how quickly the reserve fund will reach Fully Funded status; with 100% used as a baseline. If a Funding Velocity greater than 100% is required to achieve a Fully Funded reserve fund balance, the current funding levels would be considered low. If a Funding Velocity less than 100% is sufficient to accomplish full funding of the reserve account then the current funding levels are considered strong. The degree to which the Funding Velocity deviates from 100% is considered a relative measurement of the strength of an Association's reserve funding plan.

Percent Funded Level - The percent funded level measures the relationship between the accumulated reserves and amount of money required to achieve a Fully Funded reserve account at a given point in time. A Fully Funded reserve account occurs when the accumulated reserves are equal to the value of the value of the components that has been lost to depreciation.

When the reserve account is Fully Funded the percent funded level is 100%. Therefore, if 100% represents a Fully Funded level of reserves, then a reserve fund which is 60% funded would contain actual cash reserves equal to

East Village Homeowners Association CRC Glossary

60% of the amount necessary to be 100% funded.

To calculate the percent funded level for a reserve fund containing more than one component expenditure this calculation is performed for each component and the sum total is the amount required to achieve Full Funding. Hence, the percent funded level for a typical reserve fund represents an average of the percent funded level for all of the components that are included in the reserve funding analysis.

Physical Analysis – The physical analysis includes four elements: development of the component inventory; conducting the condition assessment; determining the remaining useful life of the components and preparing a replacement cost analysis. The information obtained while conducting the physical analysis is the primary data that determines the reserve funding schedule established in the reserve funding study.

Property Condition Assessment – A property condition assessment (PCA) is a walk-through survey conducted for the purpose of establishing the current physical condition and remaining life expectancy of the assets and improvements which are the subject of the inspection. The written report that results from a PCA is known as a Property Condition Report or PCR.

A Baseline Property Condition Assessment that meets the ASTM E2018-08 standard will also identify physical deficiencies in the subject property and includes an examination of construction documents and interviews with property managers, maintenance personnel and other individuals who possess specific knowledge about the subject property for the purpose of gaining additional insight into the physical condition and maintenance requirements for the property. The document is referred to as a Baseline Property Condition Assessment report.

Remaining Useful Life (RUL) - The remaining life is the number of years that remain until a component reaches the end of its service life or until major renovation or renewal of the component is expected to be required. The remaining useful life analysis is used to develop the schedule of reserve fund expenditures that appears in the reserve study.

Replacement Reserves - Replacement reserves are funds collected from Association members that will be used to pay for repair and replacement of common area components according to the repair and replacement schedules contained in the reserve study. These funds should be held in a separate account and not co-mingled with operating funds.

Statutory Funding – Funding of the reserve account at a level required by local or state statutes. As of 2017 the only state with a statutory funding requirement for homeowners associations is Hawaii.

Threshold Funding Method – Threshold funding is a cash flow funding model that allows the Reserve Specialist to specify a minimum balance for the Association's reserve account and creates a funding projection which results in the fund balance never dropping below the predetermined minimum balance. The minimum fund balance established for the fund is known as the funding *threshold*.

Transition Inspection – The inspection of Association property at or near the time period when control of the Board of Directors passes from the Declarant to a board comprised of unit owners other than the original declarant. The transition inspection is an extremely important process which should be undertaken by a qualified architect or engineer to ensure the interests of the community are protected.

The statute of limitations concerning construction defects varies from one jurisdiction to another. The Association's right to legal recourse for defective products and installations may be compromised if they fail to document the current condition of their property during this transitional period. In addition, warranties in effect

**East Village Homeowners Association
CRC Glossary**

could be impacted by the failure to perform timely inspections of components under warranty.

East Village Homeowners Association CRC Reserve Study Updates

1. Annual Updates: Oregon law requires all homeowners Associations and condominiums created after October 1999 to conduct a Reserve Study and to update their existing Reserve Study each year. Failure to update the Reserve Study will result in an underfunded reserve account if an Association relies on information contained in an outdated Reserve Study as the basis for its reserve funding plan.

The annual update does not necessarily require a physical inspection. The need for a physical inspection of the property will depend on the age, complexity and current condition of the common area components which are the subject of the Reserve Study. The annual update must include a review of the funding parameters, component replacement costs and verification of the current reserve fund balance as of the beginning date of the updated reserve funding projection.

2. Level 2 Reserve Study Update: A Level 2 Reserve Study update is an update of an existing Reserve Study which does include a physical assessment of the common area components. Most industry experts, and the majority of states which do require reserve studies for common interest developments, recommend that a Level 2 update be performed every three (3) years.

3. CRC Update Requirements: CRC requires that all of its clients update their Reserve Study each year and that Level 2 updates be performed at least once every five (5) years, or as may be required by state law. If an Association who has engaged CRC to prepare a Reserve Study chooses not to update the Reserve Study in any year after the study is initially published, CRC will not update the Reserve Study in future years, but will instead require that a new Reserve Study be performed. In states with statutory requirements for Reserve Study updates CRC requires that all of its clients update their Reserve Study in accordance with the requirements of the statute in order to be eligible for updates in future years.

East Village Homeowners Association CRC Reserve Study Parameters & Assumptions

1. Parameters: This reserve study was prepared using information provided by the Association and its representatives. Any such information is assumed to be true for the purposes of this reserve study. Representations of fact are assumed to be true and made in good faith by all parties associated with the development of this study.

Opinions and conclusions stated herein are based solely on the representations made in the information described in the previous paragraph. CRC reserves the right to conduct a field evaluation of the property subsequent to completion of construction to verify as-built conditions. Changes made to the reserve study as a result of such an inspection are at the sole discretion of CRC.

Inflation: Replacement reserve funds will be accumulated by the Association based on the estimated current replacement cost of General and Limited Common Elements; which are the responsibility of the Association to repair and replace. Replacement costs for expenses which are scheduled to occur in all future years are adjusted for inflation based on the average annual inflation rate over the last fifty years, based on information published by inflationdata.com.

The inflation rate specified by the Board of Directors for this reserve study is **3.0%**.

The replacement cost figures presented in this reserve study are intended to be used for long range capital planning and budgeting purposes. The amounts should not be assumed to be correct with respect to actual replacement costs which may be incurred at the time replacement is required. Actual repair and replacement costs may vary from the amounts scheduled in this reserve study due to factors which cannot be predicted in advance.

The reserve study should be updated annually to allow for revisions to the replacement cost estimates, should they be warranted. If additional replacement funds are required, beyond the amounts suggested in this study, the Association reserves the right, subject to member approval, to increase regular assessments or levy special assessments, or it may delay repairs or replacement of components until funds are available.

Interest Earnings: Investment income and income tax levels may affect reserve funding levels. The funding parameters established for this reserve study assume all reserve funds will be held in FDIC insured interest-bearing accounts.

Interest earnings of **.25%** are assumed in this reserve study.

Income Taxes: This reserve study assumes any income tax liability on interest earned from reserve fund deposits will be paid for out of the Association's operating fund.

Reserve Fund Contingency: A reserve fund contingency of **3%** has been established for this reserve study. The contingency funding is available as of the first day of the budget year and may be used to pay for reserve expenditures which exceed the amount budgeted in the reserve study, or to pay for expenses which are not scheduled to occur until future years. The contingency funds should not be used to pay for expenses other than those identified in the reserve study as reserve fund expenditures.

The contingency funds available as of **January 1, 2018** are: **\$730.00**

2. Methodology: The authors of this Reserve Study have attempted to maintain an equitable approach to developing the replacement reserve funding schedule for the Association by establishing reasonable expectations for the expected useful life and replacement schedule of common area components.

East Village Homeowners Association CRC Reserve Study Parameters & Assumptions

The goal of a fair and equitable funding plan is deemed to be in the interest of current unit owners by not over funding the reserve account while at the same time ensuring, in later years, the owners will have adequate replacement reserves to meet the repair and replacement needs of the Association. The result of such an approach will, by necessity, require certain assumptions to be made regarding the lifespan and replacement requirements of certain components.

Replacement funds for certain components may be accumulated based on the theory that partial replacement will be satisfactory to restore the component to an acceptable condition. Partial replacement funding is expressed as a percentage of the total replacement cost. Components which are scheduled for 100% replacement assume complete replacement of the component will be required.

In some instances, replacement funding may be scheduled to occur over a successive period of years, if it is reasonable to assume the work in question may actually be performed over a period of years. Hence, if it is reasonable to assume exterior painting may be scheduled over a four year period, the painting expenditures may be scheduled to occur 25% per year over the four year timeframe.

The Association may wish to review this approach at some point and should it be determined partial replacement reserve funding is not satisfactory, the reserve study should be updated to reflect the additional funding required for complete replacement of all components in the scheduled year of replacement.

This reserve study assumes any product or service warranties for common area components will be maintained through the efforts of the Association and all specialty trade work will be performed by qualified, duly licensed personnel.

**East Village Homeowners Association
CRC Component Detail Report Index**

Asset ID Description	Replacement	Page
Concrete Pavement		
Concrete Sidewalks-Repair (Clay St)	2018	A-1
Concrete Sidewalks-Repair (Abbott Ave)	2024	A-4
Concrete Sidewalks-Repair (Engle St)	2025	A-7
Concrete Sidewalks-Repair (Dollarhide Way)	2026	A-9
Landscaping & Irrigation		
Landscape Irrigation-Sprinkler Heads-Shrub Zone	2018	A-2
Landscape Irrigation-Timers	2023	A-3
Front Yard Landscape Renovation (1)	2024	A-5
Landscape Irrigation-Double-Check Valve (2")	2024	A-6
Front Yard Landscape Renovation (2)	2025	A-8
Front Yard Landscape Renovation (3)	2026	A-10
Total Funded Assets	10	
Total Unfunded Assets	<u>0</u>	
Total Assets	10	