

# RESERVE DATA ANALYSIS, INC.



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July 22, 2008

Ms. Leah LaBarge  
Circle G Highlands West  
c/o Rossmar & Graham Management  
1801 S. Extension Rd., #124  
Mesa, AZ 85210

Dear Ms. LaBarge:

Enclosed is the completed reserve analysis study for Circle G Highlands West for the fiscal year beginning January 1, 2009. Your **RDA REPORT** is presented in two parts:

**Part 1** offers an easy-to-understand introduction to reserve budgeting and terminology along with a Users' Guide to your reserve analysis study.

**Part 2** is your reserve analysis study, including a report summary, a distribution of accumulated reserves, detail reports for each asset, 30-year projections, and an alphabetical detail report index.

**Please pay particular attention to the "DETAIL REPORT BY CATEGORY" section of the report. See the *Table of Contents* for the page number corresponding to the first page of this section. Most, if not all, of your questions will be answered by thoroughly reviewing the detailed information and remarks for each asset.**

To assist you in distribution to the Board and/or community membership we have emailed a PDF version (electronic copy) of the reserve study to you.

We hope that you find our report format both informative and useful. Should you desire, any or all of the parameters and data used in your reserve study may be changed and a revised study prepared. All of us at RDA have enjoyed serving you and providing Circle G Highlands West with the most detailed, comprehensive and useful reserve analysis study available. If you have any additional questions or comments, please feel free to call us.

Thank you.

A handwritten signature in black ink that reads "Tom Thompson". The signature is written in a cursive, flowing style.

Tom Thompson, Jr.  
President

# RDA REPORT

Circle G at Highlands West  
Gilbert, Arizona  
Account 3118 - Version 001  
July 21, 2008

## RESERVE DATA ANALYSIS, INC.

2761 East Bridgeport Parkway  
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*Prepared By*

*Tom Thompson*

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## Please Note

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This reserve analysis study and the parameters under which it has been completed are based upon information provided to us in part by representatives of the association, its contractors, assorted vendors, specialist and independent contractors, the Community Associations Institute, various construction pricing and scheduling manuals including, but not limited to: Marshall & Swift Valuation Service, RS Means Facilities Maintenance & Repair Cost Data, RS Means Repair & Remodeling Cost Data, National Construction Estimator, National Repair & Remodel Estimator, Dodge Cost Manual and the McGraw Hill Book Company. Additionally, costs are obtained from numerous vendor catalogues, actual quotations or historical costs, and our own experience in the field of property management and preparation of reserve analysis studies.

It has been assumed, unless otherwise noted in this report, that all assets have been designed and constructed properly and each estimated useful life will approximate that of the norm per industry standards and/or manufacture specifications used. In some cases, estimates may have been used on assets which have an indeterminable but potential liability to the association. The decision for the inclusion of these as well as all assets considered is left to the client.

**We recommend that your reserve analysis study be updated every two to three years due to fluctuating interest rates, inflationary changes and the unpredictable nature of the lives of many of the assets under consideration. All of the information collected during our inspection of the association and subsequent computations made in preparing this reserve analysis study are retained in our computer files. Therefore, updates can typically be completed in a more timely manner than the original study.**

Reserve Data Analysis, Inc. would like to thank you for using our services, and we invite you to call us at any time should you have any questions or comments or need assistance. In addition, any of the parameters and estimates used in this study may be changed at your request, after which we will provide you with a revised study.

**RESERVE DATA ANALYSIS, INC.**

**(480) 473-7643**

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## PART I - INTRODUCTION

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Preparing the annual budget and overseeing the association's finances are perhaps the most important responsibilities of board members. The annual operating and reserve budgets reflect the planning and goals of the association and set the level and quality of service for all of the association's activities.

### ■ 1. Funding Options

When a major repair or replacement is required in a community, an association has essentially four options available to address the expenditure:

The first option is to pass a "special assessment" to the membership in an amount required to cover the expenditure. Although not commonplace, there have been special assessments in the amount of \$10,000 per member assessed in associations in Virginia and southern California. When a special assessment is passed, the association has the authority and responsibility to collect the assessments, even by means of foreclosure if necessary. However, an association operating on a special assessment basis cannot guarantee that an assessment, when needed, will be passed. Consequently, it cannot guarantee its ability to perform the required repairs or replacements to those major components for which the association is obligated to maintain when the need arises. Additionally, while relatively new communities require very little in the way of major "reserve" expenditures, associations reaching 12 to 15 years of age and older find many components reaching the end of their effective useful lives. These required expenditures, all accruing at the same time, can be devastating to an association's overall budget.

The second option is for the association to acquire a loan from a lending institution in order to effect the required repairs. In many cases, banks will lend money to an association using "future homeowner assessments" as collateral for the loan. With this method, not only is the current board of directors pledging the future assets of an association, they are also required to pay interest fees on the loan payback in addition to the original principal. In the case of a \$150,000 roofing replacement, the association may be required to pay back the loan over a three to five year period, with interest; whereas, if the association was setting aside reserves for this purpose, using the

vehicle of the regularly assessed membership dues, it would have had the full term of the life of the roof in order to accumulate the necessary moneys. Additionally, those contributions would have been evenly distributed over the entire membership and would have earned interest as part of that contribution.

The third option, too often used, is simply to defer the required repair or replacement. This option can create an environment of declining property values due to the increasing deferred maintenance and the association's financial inability to keep pace with the normal aging process of the common area components. This, in turn, can have a seriously negative impact on sellers in the Association by making it difficult or even impossible for potential buyers to obtain financing from lenders. Increasingly, many lending institutions are requesting copies of the association's most recent reserve study before granting loans, either for the association, a prospective purchaser, or for an individual within such association.

The fourth, and only logical means that the board of directors has to ensure its ability to maintain the assets for which it is obligated, uniformly distributing the costs of the replacements over the entire membership, is by assessing an adequate level of reserves as part of the regular membership assessment. The community is not only comprised of present members, but also future members. Any decision by the board of directors to adopt a calculation method or funding plan which would disproportionately burden future members in order to make up for past reserve deficits would be a breach of its fiduciary responsibility to those future members. Unlike individuals determining their own course of action, the board is responsible to the "community" as a whole.

## ■ 2. The Reserve Study

There are two components of a reserve study – a physical analysis and a financial analysis. During the physical analysis, a reserve provider evaluates information regarding the physical status and repair/replacement cost of the association's major common area components. To do so, the provider conducts a component inventory, a condition assessment, and life and valuation estimates. A financial analysis assesses the association's reserve balance or "fund status" (measured in cash or as percent funded) to determine a recommendation for an appropriate reserve contribution rate in the future known as the "funding plan."

Reserve studies fit into one of three categories: 1) Full Study; 2) Update - with site inspection; and 3) Update - without site inspection.

- In a Full reserve study, the reserve provider conducts a component inventory, a condition assessment (based upon on-site visual observations), and life and valuation estimates to determine both a "fund status" and "funding plan."

- In an Update – with site inspection, the reserve provider conducts a component inventory (verification only, not quantification), a condition assessment (based on on-site visual observations), and life and valuation estimates to determine both the “fund status” and “funding plan.”
- In an Update – without site inspection, the reserve provider conducts life and valuation estimates to determine the “fund status” and “funding plan.”

### ■ 3. Developing a Component List

The budget process begins with an accurate inventory of all the major components for which the association is responsible. The determination of whether an expense should be labeled as operational, reserve, or excluded altogether is sometimes subjective. Since this labeling may have a major impact on the financial plans of the association, subjective determinations should be minimized. We suggest the following considerations when labeling an expense:

**OPERATIONAL EXPENSES** occur at least annually, no matter how large the expense, and can be effectively budgeted for each year. They are characterized as being reasonably predictable both in terms of frequency and cost. Operational expenses include all minor expenses which would not otherwise adversely affect an operational budget from one year to the next. Examples of Operational Expenses include:

**Utilities:**

- Electricity
- Gas
- Water
- Telephone
- Cable TV

**Services:**

- Landscaping
- Pool Maintenance
- Street Sweeping
- Accounting
- Reserve Study

**Administrative:**

- Supplies
- Bank Service Charges
- Dues & Publications
- Licenses, Permits & Fees

**Repair Expenses:**

- Tile Roof Repairs
- Equipment Repairs
- Minor Concrete Repairs
- Operating Contingency

**RESERVE EXPENSES** are major expenses that occur other than annually and which must be budgeted for in advance in order to provide the necessary funds in time

for their occurrence. Reserve expenses are reasonably predictable both in terms of frequency and cost. However, they may include significant assets which have an indeterminable but potential liability which may be demonstrated as a likely occurrence. They are expenses that when incurred would have a significant affect on the smooth operation of the budgetary process from one year to the next if they were not reserved for in advance. Examples of Reserve Expenses include:

- Roof Replacements
- Painting
- Deck Resurfacing
- Fencing Replacement
- Street Slurry Coating
- Asphalt Overlays
- Pool Re-plastering
- Pool Equipment Replacement
- Pool Furniture Replacement
- Tennis Court Resurfacing
- Park & Play Equipment
- Equipment Replacement
- Interior Furnishings
- Lighting Replacement

**BUDGETING IS NORMALLY EXCLUDED FOR** repairs or replacements of assets which are deemed to have an estimated useful life equal to or exceeding the estimated useful life of the facility or community itself, or exceeding the legal life of the community as defined in an association's governing documents. Examples include the complete replacement of elevators, tile roofs, wiring and plumbing. Also excluded are insignificant expenses which may be covered either by an operating or reserve contingency, or otherwise in a general maintenance fund. Costs which are caused by acts of God, accidents or other occurrences which are more properly insured for, rather than reserved for, are also excluded.

#### ■ 4. Preparing the Reserve Study

Once the reserve assets have been identified and quantified, their respective replacement costs, useful lives and remaining lives must be assigned so that a funding schedule can be constructed. Replacement costs and useful lives can be found in published manuals such as construction estimators, appraisal handbooks, and valuation guides. Remaining lives are calculated from the useful lives and ages of assets and adjusted according to conditions such as design, manufacture quality, usage, exposure to the elements and maintenance history.

By following the recommendations of an effective reserve study the association should avoid any major shortfalls. However, to remain accurate, the report should be updated every two to three years to reflect such changes as shifts in economic parameters, additions of phases or assets, or expenditures of reserve funds. The association can assist in simplifying the reserve analysis update process by keeping accurate records of these changes throughout the year.



## ■ 5. Funding Methods

From the simplest to most complex, reserve analysis providers use many different computational processes to calculate reserve requirements. However, there are two basic processes identified as industry standards: the cash-flow method and the component method.

The cash flow method develops a reserve-funding plan where contributions to the reserve fund are designed to offset the variable annual expenditures from the reserve fund. Different reserve funding plans are tested against the actual anticipated schedule of reserve expenses until the desired funding goal is achieved. This method sets up a "window" in which all future anticipated replacement costs are computed, based on the individual lives of the components under consideration.

The component method develops a reserve-funding plan where the total contribution is based on the sum of contributions for individual components. The component method is the more conservative of the two funding options, and assures that the association will achieve and maintain an ideal level of reserves over time. This method also allows for computations on individual components in the analysis. The RDA Summary and RDA Projection Reports are based upon the component methodology.

## ■ 6. Funding Strategies

Once an association has established its funding goals, the association can select an appropriate funding plan. There are two basic strategies widely used by associations. It is recommended that associations consult professionals to determine the best strategy or combination of plans that best suit the association's need. Additionally, associations should consult with their financial advisor to determine the tax implications of selecting a particular plan. Further, consultation with the American Institute of Certified Public Accountants (AICPA) for their reporting requirements is advisable. The two funding plans and descriptions of both are detailed below.

- Full Funding — Given that the basis of funding for reserves is to distribute the costs of the replacements over the lives of the components in question, it follows that the ideal level of reserves would be proportionately related to those lives and costs. If an association has a component with an expected estimated useful life of ten years, it would set aside approximately one-tenth of the replacement cost each year. At the end of three years, one would expect that three-tenths of the replacement cost to have accumulated, and if so, that component would be "fully-funded." This model is

important in that it is a measure of the adequacy of an association's reserves at any one point of time, and is independent of any particular method which may have been used for past funding or may be under consideration for future funding. The formula is based on current replacement cost, and is a measure in time, independent of future inflationary or investment factors:

$$\text{Fully Funded Reserves} = \frac{\text{Age of Component}}{\text{Useful Life}} \times \text{Current Replacement Cost}$$

When an association's total accumulated reserves for all components meet this criteria, its reserves are "fully-funded."

- **Threshold Funding (RDA Modified Cash Flow Reports)** — There are two goals of this funding method. The first goal is to make sure that all scheduled reserve expenditures are covered by keeping the reserve cash balance above zero during the projected period. The second goal is to reach and maintain a 100% fully funded reserve balance during the projected period. Depending on the association's current percent funded, it may take the entire projected period (typically 30 years) before the 100% fully funded level is achieved.

Reaching and maintaining a 100% fully funded reserve balance by uniformly distributing the costs of the replacements over time benefits both current and future members of an association, and is the best approach the board of directors can take to fulfill its fiduciary responsibility. The modified cash flow method creates a funding strategy that gives the membership the lowest reserve funding recommendation as possible over time, while approaching the 100% fully funded level.

Another advantage of the modified cash flow method is that in most cases several strategies can be manually tested by Reserve Data Analysis, Inc. (the strategy is not based strictly on each components current funding status) until the best funding strategy is created – one that has consistent, incremental contribution increases from year to year. This very important aspect of the reserve study will aid the board of directors during the annual budgeting process.

## ■ 7 Distribution of Accumulated Reserves

The "Distribution of Accumulated Reserves Report" can be viewed and printed after performing the "RDA Summary Calculations," which is a "Component or Segregated Calculation Process," as opposed to the "Cash Flow Calculation Process," also available to the user in the program.

When calculating reserves based upon the component methodology, a beginning reserve balance must be allocated for each of the individual components considered in the analysis before the individual calculations can be completed. When this distribution is not available, or of sufficient detail, the following method is suggested for allocating reserves:

The first step the program performs in this process is subtracting, from the total accumulated reserves, any amounts for assets which have predetermined (fixed) reserve balances. The user can "fix" the accumulated reserve balance within the program on the individual asset's detail page. If by error these amounts total more than the amount of funds available, then the remaining assets are adjusted accordingly. A provision for a contingency reserve is then deducted by the determined percentage used, and if there are sufficient remaining funds available.

The second step is to identify the ideal level of reserves for each asset. As indicated in the prior section, this is accomplished by evaluating the component's age proportionate to its estimated useful life and current replacement cost. Again, the equation used is as follows:

$$\text{Fully Funded Reserves} = \frac{\text{Age of Component}}{\text{Useful Life}} \times \text{Current Replacement Cost}$$

The RDA RESERVE MANAGEMENT SOFTWARE™ program performs the above calculations to the very month the component was placed-in-service. It also allows for the accumulation of the necessary reserves for the replacement to be available on the first day of the fiscal year it is scheduled to be replaced.

The next step the program performs is to arrange all of the assets used in the study in ascending order by remaining life, and alphabetically within each grouping of remaining life items. These assets are then assigned their respective ideal level of reserves until the amount of funds available are depleted, or until all assets are appropriately funded. If any assets are assigned a zero remaining life (schedule for replacement this fiscal year), then the amount assigned equals the current replacement cost and funding begins for the next cycle of replacement. If there are insufficient funds available to accomplish this, then the software automatically adjusts the zero remaining life item to 1 year and that asset assumes its new grouping position alphabetically in the final printed report.

If at the completion of this task there are additional moneys which have not been distributed, the remaining reserves are then assigned, in ascending order, to a level equal to, but not exceeding, the current replacement cost for each component. If there are sufficient moneys available to fund all assets at their current replacement cost levels, then any excess funds are designated as such initially, but are then considered to be available reserves in the report funding computations.

Assigning the reserves in this manner defers the make-up period for any underfunding over the longest remaining life of all the assets under consideration, thereby minimizing the impact of deficiency. For example, if the report indicates an underfunding of \$50,000, this underfunding will be assigned to components with the longest remaining life possible in order to give more time to "replenish" the account. If the \$50,000 underfunding were to be assigned to short remaining life items, the impact would be immediately felt.

If the reserves are underfunded, the monthly contribution requirements as outlined in this report can be expected to be higher than normal. In future years, as individual assets are replaced, the funding requirements will return to their normal levels. In the case of a large deficiency, a special assessment may be considered. The program can easily generate revised reports outlining how the monthly contributions would be affected by such an adjustment, or by any other changes which may be under consideration.

## ■ 8. Funding Reserves

Two contribution numbers are provided in the report, the "Monthly Membership Contribution" and the "Net Monthly Allocation." The association should contribute to reserves each month the "Monthly Membership Contribution" figure, when the interest earned on the reserves is left in the reserve accounts as part of the contribution. When interest is earned on the reserves, that interest must be left in reserves and only amounts set aside for taxes should be removed.

The second alternative is to allocate the "Net Monthly Allocation" to reserves (this is the member contribution plus the anticipated interest earned for the fiscal year). This method assumes that all interest earned will be assigned directly as operating income. This allocation takes into consideration the anticipated interest earned on accumulated reserves regardless of whether or not it is actually earned. When taxes are paid the amount due will be taken directly from the association's operating accounts as the reserve accounts are allocated only those moneys net of taxes.

## ■ 9. Users' Guide to Your Reserve Analysis Study

Part II of your RDA REPORT contains the reserve analysis study for your association. There are seven types of pages in the study as described below.

### REPORT SUMMARY

The **Report Summary** lists all of the parameters which were used in calculating the report as well as the summary of your reserve analysis study.

### INDEX REPORTS

The **Distribution of Accumulated Reserves** report lists all assets in remaining life order. It also identifies the ideal level of reserves which should have accumulated for the association as well as the actual reserves available.

The **Asset Listing/Summary** lists all assets by category (i.e. roofing, painting, lighting, etc.) together with their remaining life, current cost, monthly reserve contribution, and net monthly allocation.

### DETAIL REPORTS

The **Detail Report** itemizes each asset and lists all measurements, current and future costs and calculations for that asset. Provisions for percentage replacements, salvage values and one-time replacements can also be utilized.

The numerical listings for each asset are enhanced by extensive narrative detailing factors such as design, manufacture quality, usage, exposure to elements and maintenance history.

The **Detail Report Index** is an alphabetical listing of all assets together with the page number of the asset's detail report and asset number.

## PROJECTIONS AND CHARTS

*Thirty-year Projections* as well as *Charts and Graphs* of projected data add to the usefulness of your reserve analysis study.

### ■ 10. Definitions

**REPORT I.D.** - Includes the REPORT DATE (ex. November 15, 1992), VERSION (ex. 001), and ACCOUNT NUMBER (ex. 9773). Please use this information when referencing your report. (Displayed on the summary page.)

**BUDGET YEAR BEGINNING/ENDING** - The budgetary year for which the report is prepared. For associations with fiscal years ending December 31, the monthly contribution figures indicated are for the 12 month period beginning 1/1/2X and ending 12/31/2X.

**NUMBER OF UNITS/PHASES** - If applicable, the number of units and/or phases included in this version of the report.

**INFLATION** - This figure is used to approximate the future cost to repair or replace each component in the report. The current cost for each component is compounded on an annual basis by the number of remaining years to replacement and the total is used in calculating the monthly reserve contribution which will be necessary in order to accumulate the required funds in time for replacement.

**ANNUAL CONTRIBUTION INCREASE** - The percentage rate at which the association will increase its contribution to reserves at the end of each year until the year in which the asset is replaced. For example, in order to accumulate \$10,000 in 10 years, you could set aside \$1,000 per year. As an alternative, you could set aside \$795 the first year and increase that amount by 5% each year until the year of replacement. In either case you arrive at the same amount. The idea is that you start setting aside a lower amount and increase that number each year in accordance with the planned percentage. Ideally this figure should be equal to the rate of inflation. It can, however, be used to aid those associations that have not set aside appropriate reserves in the past by making the initial year's allocation less formidable.

**INVESTMENT YIELD** - The average interest rate anticipated by the association based upon its current investment practices.

**TAXES ON YIELD** - The estimated percentage of interest income which will be set aside for taxes.

**ACCUMULATED RESERVE BALANCE** - The anticipated reserve balance on the first day of the fiscal year for which this report has been prepared. Based upon information provided and not audited.

**PERCENT FULLY FUNDED** - The ratio, at the beginning of the fiscal year, of the actual (or projected) reserve balance to the calculated fully funded balance, expressed as a percentage.

**PHASE INCREMENT DETAIL/AGE** - Comments regarding aging of the components on the basis of construction date or date of acceptance by the association.

**MONTHLY CONTRIBUTION** - The contribution to reserves required by the association each month.

**INTEREST CONTRIBUTION** - The interest that should be earned on the reserves, net of taxes, based upon their beginning reserve balance and monthly contributions for one year. This figure is averaged for budgeting purposes.

**NET MONTHLY ALLOCATION** - The sum of the monthly contribution and interest contribution figures.

**GROUP OR FACILITY NUMBER/CATEGORY NUMBER** - The report may be prepared and sorted either by group or facility (location, building, phase, etc.) or by category (roofing, painting, etc.). Standard report printing format is by category.

**PERCENTAGE OF REPLACEMENT** - In some cases, an asset may not be replaced in its entirety or the cost may be shared with a second party. Examples are budgeting for a percentage of replacement of streets over a period of time, or sharing the expense to replace a common wall with a neighboring party.

**PLACED-IN-SERVICE** - The month and year that the asset was placed-in-service. - This may be the construction date, the first escrow closure date in a given phase, or the date of the last servicing or replacement.

**ESTIMATED USEFUL LIFE** - The estimated useful life of an asset based upon industry standards, manufacturer specifications, visual inspection, location, usage, association standards and prior history. All of these factors are taken into consideration when tailoring the estimated useful life to the particular asset. For example, the carpeting in a hallway or elevator (a heavy traffic area) will not have the same life as the identical carpeting in a seldom-used meeting room or office.

**ADJUSTMENT TO USEFUL LIFE** - Once the useful life is determined it may be adjusted +/- by this separate figure for the current cycle of replacement. This will allow for a current period adjustment without affecting the estimated replacement cycles for future replacements.

**ESTIMATED REMAINING LIFE** - This calculation is completed internally based upon the report's fiscal year date and the date the asset was placed-in-service.

**REPLACEMENT YEAR** - The year that the asset is scheduled to be replaced. The appropriate funds will be available by the first day of the fiscal year for which replacement is anticipated.

**FIXED ACCUMULATED RESERVES** - An optional figure which, if used, will override the normal process of allocating reserves to each asset.

**FIXED MONTHLY CONTRIBUTION** - An optional figure which, if used, will override all calculations and set the contribution at this amount.

**SALVAGE VALUE** - The salvage value of the asset at the time of replacement, if applicable.

**ONE-TIME REPLACEMENT** - Notation if the asset is to be replaced on a one-time basis.

**CURRENT REPLACEMENT COST** - The estimated replacement cost effective as of the beginning of the fiscal year for which the report is being prepared.

**FUTURE REPLACEMENT COST** - The estimated cost to repair or replace the asset at the end of its estimated useful life based upon the current replacement cost and inflation.

**COMPONENT INVENTORY** - The task of selecting and quantifying reserve components. This task can be accomplished through on-site visual observations, review of association design and organizational documents, a review of established association precedents and discussion with appropriate association representative(s).



## ■ 11. A Multi-Purpose Tool

Your RDA REPORT is an important part of your association's budgetary process. Following its recommendations should ensure the association's smooth budgetary transitions from one fiscal year to the next, and either decrease or eliminate the need for "special assessments".

In addition, your RDA reserve study serves a variety of useful purposes:

- Following the recommendations of a reserve study performed by a professional consultant can protect the Board of Directors in a community from personal liability concerning reserve components and reserve funding.
- A reserve analysis study is required by your accountant during the preparation of the association's annual audit.
- A reserve study is often requested by lending institutions during the process of loan applications, both for the community and, in many cases, the individual owners.
- Your RDA REPORT is also a detailed inventory of the association's major assets and serves as a management tool for scheduling, coordinating and planning future repairs and replacements.
- Your RDA REPORT is a tool which can assist the Board in fulfilling its legal and fiduciary obligations for maintaining the community in a state of good repair. If a community is operating on a special assessment basis, it cannot guarantee that an assessment, when needed, will be passed. Therefore, it cannot guarantee its ability to perform the required repairs or replacements to those major components which the association is obligated to maintain.
- Since the RDA reserve analysis study includes precise measurements and cost estimates of the client's assets, the detail reports may be used to evaluate the accuracy and price of contractor bids when assets are due to be repaired or replaced.
- The reserve study is an annual disclosure to the membership concerning the financial condition of the association, and may be used as a "consumers' guide" by prospective purchasers.

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Circle G at Highlands West  
 Gilbert, Arizona  
CFS Reserve Analysis Report Summary

Report Date	July 21, 2008	Parameters:	
Version	001	Inflation	3.00%
Account Number	3118	Annual Contribution Increase	3.00%
Budget Year Beginning	1/ 1/09	Investment Yield	1.10%
Ending	12/31/09	Taxes on Yield	0.00%
Total Units Included	81	Contingency	3.00%
Phase Development	1 of 1	Reserve Fund Balance as of	
		1/ 1/09:	\$22,491.36

Project Profile & Introduction

Unless otherwise indicated in this report, we have used 1998 as the basis for aging the original components examined in this analysis.

The anticipated 1/1/09 reserve balance reflects all remaining reserve contributions and interest for 2008.

Calculation Method: Modified Cash Flow  
 Funding Strategy: Threshold  
 RDA Reports: July 2008.

Cash Flow Specific Summary of Calculations

Monthly Contribution to Reserves Required:	\$85.00
( \$1.05 per unit per month)	
Average Net Monthly Interest Contribution This Year:	19.19
Net Monthly Allocation to Reserves 1/ 1/09 to 12/31/09:	\$104.19
( \$1.29 per unit per month)	

RDA Reserve Management Software

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**Circle G at Highlands West**  
Distribution of Accumulated Reserves

REPORT DATE: July 21, 2008  
 VERSION: 001  
 ACCOUNT NUMBER: 3118

DESCRIPTION	REM LIFE	FULLY FUNDED RESERVES	ASSIGNED RESERVES
Concrete Components - Unfunded	0	0.00	0.00
Granite Replenishment - Unfunded	0	0.00	0.00
Irrigation System - Unfunded	0	0.00	0.00
Paint - Block Walls	0	2,132.50	3,786.27
Tree Trimming - Unfunded	0	0.00	0.00
Irrigation Controllers	4	1,136.67	1,550.00
Park Bench	5	412.50	600.00
Monument Signs - Tile	9	4,620.00	8,400.00
Dry Well	19	2,750.00	7,500.00
Total Asset Summary:		11,051.67	21,836.27
Contingency @ 3.00%:		331.55	655.09
Grand Total:		11,383.22	22,491.36
Excess Reserves Not Used:			0.00
Percent Fully Funded:	198%		

Circle G at Highlands West  
Cash Flow Specific Projections

REPORT DATE: July 21, 2008  
 VERSION: 001  
 ACCOUNT NUMBER: 3118

Beginning Accumulated Reserves: \$22,491

YEAR	CURRENT REPLACEMENT COST	ANNUAL CONTRBTN	ANNUAL INTEREST CONTRBTN	ANNUAL EXPENDTRS	PROJECTED ENDING RESERVES	FULLY FUNDED RESERVES	PERCENT FULLY FUNDED
'09	20,183	1,020	230	2,133	21,609	10,605	204%
'10	20,788	1,051	244	0	22,904	12,101	189%
'11	21,412	1,082	259	0	24,245	13,676	177%
'12	22,054	1,115	274	0	25,633	15,336	167%
'13	22,716	1,148	270	1,745	25,306	15,231	166%
'14	23,397	1,182	278	696	26,071	16,276	160%
'15	24,099	1,218	294	0	27,584	18,129	152%
'16	24,822	1,254	311	0	29,149	20,078	145%
'17	25,567	1,292	299	2,701	28,039	19,263	146%
'18	26,334	1,331	196	10,960	18,605	9,704	192%
'19	27,124	1,371	213	0	20,189	11,532	175%
'20	27,937	1,412	230	0	21,831	13,460	162%
'21	28,775	1,454	249	0	23,534	15,493	152%
'22	29,639	1,498	268	0	25,300	17,637	143%
'23	30,528	1,543	288	0	27,130	19,895	136%
'24	31,444	1,589	308	0	29,027	22,272	130%
'25	32,387	1,637	291	3,422	27,533	21,144	130%
'26	33,359	1,686	313	0	29,532	23,668	125%
'27	34,359	1,736	335	0	31,604	26,324	120%
'28	35,390	1,789	183	15,869	17,706	12,282	144%
'29	36,452	1,842	205	0	19,754	14,715	134%
'30	37,545	1,898	216	1,116	20,751	16,098	129%
'31	38,672	1,954	239	0	22,944	18,771	122%
'32	39,832	2,013	264	0	25,221	21,590	117%
'33	41,027	2,073	241	4,335	23,201	19,963	116%
'34	42,258	2,136	267	0	25,604	22,955	112%
'35	43,525	2,200	294	0	28,098	26,108	108%
'36	44,831	2,266	322	0	30,686	29,431	104%
'37	46,176	2,334	351	0	33,370	32,929	101%
'38	47,561	2,404	162	19,795	16,141	15,609	103%

Circle G at Highlands West  
Annual Expenditure Detail

REPORT DATE: July 21, 2008  
VERSION: 001  
ACCOUNT NUMBER: 3118

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DESCRIPTION	EXPENDITURES
REPLACEMENT YEAR 2009 Paint - Block Walls	2,132.50
*** ANNUAL TOTAL:	<hr/> 2,132.50
REPLACEMENT YEAR 2010 *** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2011 *** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2012 *** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2013 Irrigation Controllers	1,744.54
*** ANNUAL TOTAL:	<hr/> 1,744.54
REPLACEMENT YEAR 2014 Park Bench	695.57
*** ANNUAL TOTAL:	<hr/> 695.57
REPLACEMENT YEAR 2015 *** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2016 *** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2017 Paint - Block Walls	2,701.38
*** ANNUAL TOTAL:	<hr/> 2,701.38

**Circle G at Highlands West**  
Annual Expenditure Detail

DESCRIPTION	EXPENDITURES
REPLACEMENT YEAR 2018	
Monument Signs - Tile	10,960.11
*** ANNUAL TOTAL:	10,960.11
REPLACEMENT YEAR 2019	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2020	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2021	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2022	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2023	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2024	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2025	
Paint - Block Walls	3,422.03
*** ANNUAL TOTAL:	3,422.03
REPLACEMENT YEAR 2026	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2027	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2028	
Dry Well	13,151.28
Irrigation Controllers	2,717.96
*** ANNUAL TOTAL:	15,869.24

**Circle G at Highlands West**  
Annual Expenditure Detail

DESCRIPTION	EXPENDITURES
REPLACEMENT YEAR 2029	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2030	
Park Bench	1,116.17
*** ANNUAL TOTAL:	<hr/> 1,116.17
REPLACEMENT YEAR 2031	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2032	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2033	
Paint - Block Walls	4,334.92
*** ANNUAL TOTAL:	<hr/> 4,334.92
REPLACEMENT YEAR 2034	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2035	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2036	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2037	
*** ANNUAL TOTAL:	0.00
REPLACEMENT YEAR 2038	
Monument Signs - Tile	19,795.15
*** ANNUAL TOTAL:	<hr/> 19,795.15

**Circle G at Highlands West**  
Cash Flow Detail Report by Category

REPORT DATE: July 21, 2008  
 VERSION: 001  
 ACCOUNT NUMBER: 3118

**Concrete Components - Unfunded**

ASSET ID 1007  
 GROUP/FACILITY 0  
 CATEGORY 10

QUANTITY	1 comment
UNIT COST	0.000
PERCENT REPL	0.00%
CURRENT COST	0.00
FUTURE COST	0.00
SALVAGE VALUE	0.00

PLACED IN SERVICE 0/ 0  
 0 YEAR USEFUL LIFE  
 +0 YEAR ADJUSTMENT  
 REPLACEMENT YEAR 2009  
 0 YEAR REM LIFE

REMARKS:

We are not budgeting for repair or replacement of concrete decks, pads, sidewalks, or driveways as a reserve component. It is anticipated that any repairs required will be addressed immediately due to safety concerns. Good maintenance practice won't allow the need for repairs to accumulate to a point of major expense. We recommend that the client includes a line item in the annual operating budget for repairs and/or replacements on an "as needed" basis. However, should the client wish to include budgeting for concrete components, we will do so at their request (cost and useful life to be provided by client).



**Circle G at Highlands West**  
Cash Flow Detail Report by Category

Paint - Block Walls	QUANTITY	4,265 sq. ft.
	UNIT COST	0.500
ASSET ID 1001	PERCENT REPL	100.00%
GROUP/FACILITY 0	CURRENT COST	2,132.50
CATEGORY 30	FUTURE COST	2,132.50
	SALVAGE VALUE	0.00

PLACED IN SERVICE 1/98  
8 YEAR USEFUL LIFE  
+0 YEAR ADJUSTMENT  
REPLACEMENT YEAR 2009  
0 YEAR REM LIFE

REMARKS:

This component is to paint the common area block walls at the following lots: 1 - 3, 17, 18, 29, 30, 44 - 46, 58 - 60, 63, 64, 69, 70, 75, 76, & 79 - 81. The cost includes an estimate for prep, repairs and painting.

No other walls or fencing have been included because only the above walls face common area.

**Circle G at Highlands West**  
Cash Flow Detail Report by Category

Park Bench		QUANTITY	1 bench
ASSET ID	1006	UNIT COST	600.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	65	CURRENT COST	600.00
		FUTURE COST	695.56
		SALVAGE VALUE	0.00

PLACED IN SERVICE 1/98  
16 YEAR USEFUL LIFE  
+0 YEAR ADJUSTMENT  
REPLACEMENT YEAR 2014  
5 YEAR REM LIFE

REMARKS:

This is a 6' long, in-ground, bench located at the greenbelt.

**Circle G at Highlands West**  
Cash Flow Detail Report by Category

Dry Well	QUANTITY	1 well
	UNIT COST	7,500.000
ASSET ID 1004	PERCENT REPL	100.00%
GROUP/FACILITY 0	CURRENT COST	7,500.00
CATEGORY 100	FUTURE COST	13,151.30
	SALVAGE VALUE	0.00

PLACED IN SERVICE 1/98  
 30 YEAR USEFUL LIFE  
 +0 YEAR ADJUSTMENT  
 REPLACEMENT YEAR 2028  
 19 YEAR REM LIFE

REMARKS:

This is a Type IV dry well located in the greenbelt.

Dry wells should be inspected annually and cleaned out every 3 - 5 years at a cost ranging from \$400 - \$1,200 per well (volume pricing applies), at today's cost. This cost should be considered an operating expense. However, dry well clean out may be included in this analysis if we have been advised by the client to include it as a reserve expense.

The useful life of a dry well varies from dry well to dry well, and depends primarily upon the amount of water that enters the well over time (other factors affecting performance include the intake of mud, grass, leaves, weeds, trash, etc.). The dry well will lose its percolating ability if the drainage area becomes saturated. This condition will require replacement.

We have been advised by various drilling companies in Arizona that only 10% - 30% of the dry wells may require replacement on a 30 year basis, if the following conditions were met:

- Proper initial design (proper number of dry wells actually installed)
- Dry wells manufactured and installed properly
- Dry wells have been maintained properly

Reserve Data Analysis, Inc. is budgeting to replace a small percentage of the dry wells, as identified in this asset. Adjustments to this percentage, or the useful life, can be made in a future update to this report based upon the performance of the dry wells over time.

Information and costs were provided with the assistance of Torrent Resources, Overly & Son's Drilling Co., & Basic Drilling.

**Circle G at Highlands West**  
Cash Flow Detail Report by Category

Granite Replenishment - Unfunded		QUANTITY	1 comment
ASSET ID	1008	UNIT COST	0.000
GROUP/FACILITY	0	PERCENT REPL	0.00%
CATEGORY	100	CURRENT COST	0.00
		FUTURE COST	0.00
		SALVAGE VALUE	0.00

PLACED IN SERVICE 0/ 0  
 0 YEAR USEFUL LIFE  
 +0 YEAR ADJUSTMENT  
 REPLACEMENT YEAR 2009  
 0 YEAR REM LIFE

REMARKS:

There are substantial quantities of granite located throughout the community. We are not budgeting to replenish this granite because the cost to do so is most often considered an operating expense. We recommend that a line item be set up in the operating budget to account for this asset, that it be monitored over time, and adjusted as experience dictates.

Should the client wish to have granite replenishment included in the reserve study, we will do so at their request. However, the client will need to provide the sq. ft. of the common area granite. Otherwise, there would be an additional charge to have Reserve Data Analysis, Inc. provide the measurement.

Irrigation Controllers		QUANTITY	1 total
ASSET ID	1003	UNIT COST	1,550.000
GROUP/FACILITY	0	PERCENT REPL	100.00%
CATEGORY	100	CURRENT COST	1,550.00
		FUTURE COST	1,744.54
		SALVAGE VALUE	0.00

PLACED IN SERVICE 1/98  
 15 YEAR USEFUL LIFE  
 +0 YEAR ADJUSTMENT  
 REPLACEMENT YEAR 2013  
 4 YEAR REM LIFE

REMARKS:

1 - Toro, TIS-240, 24 station controller	@	\$ 765.00	=	\$ 765.00
1 - Irritrol, MC-12E, 12 station controller	@	785.00	=	785.00
				-----
		TOTAL	=	\$ 1,550.00

The costs include an estimate for installation.

**Circle G at Highlands West**  
Cash Flow Detail Report by Category

**Irrigation System - Unfunded**

	QUANTITY	1 comment
	UNIT COST	0.000
ASSET ID 1010	PERCENT REPL	0.00%
GROUP/FACILITY 0	CURRENT COST	0.00
CATEGORY 100	FUTURE COST	0.00
	SALVAGE VALUE	0.00
PLACED IN SERVICE 0/ 0		
0 YEAR USEFUL LIFE		
+0 YEAR ADJUSTMENT		
REPLACEMENT YEAR 2009		
0 YEAR REM LIFE		

REMARKS:

The client has advised us to exclude funding for the replacement of the irrigation system infrastructure (pvc piping, tubing, sprinkler heads, valves, etc.) within the reserve study. Should the client change their mind and wish to have it included we will need to be provided with the following information:

- \$ amount to be budgeted
- useful life to be used
- year in which next expenditure should occur

**Monument Signs - Tile**

	QUANTITY	1 total
	UNIT COST	8,400.000
ASSET ID 1005	PERCENT REPL	100.00%
GROUP/FACILITY 0	CURRENT COST	8,400.00
CATEGORY 100	FUTURE COST	10,960.09
	SALVAGE VALUE	0.00
PLACED IN SERVICE 1/98		
20 YEAR USEFUL LIFE		
+0 YEAR ADJUSTMENT		
REPLACEMENT YEAR 2018		
9 YEAR REM LIFE		

REMARKS:

The monument signs are made up of letters sandblasted and painted onto tile sign faces. This component is for the refurbishment/replacement of these signs on a 20 year cycle.

The monument signs indicate "CIRCLE G RANCHES". There is approximately 60 sq. ft. of tile on each of the two signs.

**Circle G at Highlands West**  
Cash Flow Detail Report by Category

Tree Trimming - Unfunded		QUANTITY	1 comment
ASSET ID	1009	UNIT COST	0.000
GROUP/FACILITY	0	PERCENT REPL	0.00%
CATEGORY	100	CURRENT COST	0.00
		FUTURE COST	0.00
		SALVAGE VALUE	0.00
PLACED IN SERVICE	0/ 0		
0 YEAR USEFUL LIFE			
+0 YEAR ADJUSTMENT			
REPLACEMENT YEAR	2009		
0 YEAR REM LIFE			

REMARKS:

The client has advised us that tree trimming will be handled out of the operating budget. Should the client change their mind and wish to have tree trimming included we will need to be provided with the following information:

- \$ amount to be budgeted
- useful life to be used
- year in which next expenditure should occur

DETAIL REPORT INDEX

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TOTAL ASSET LINES INCLUDED: 9