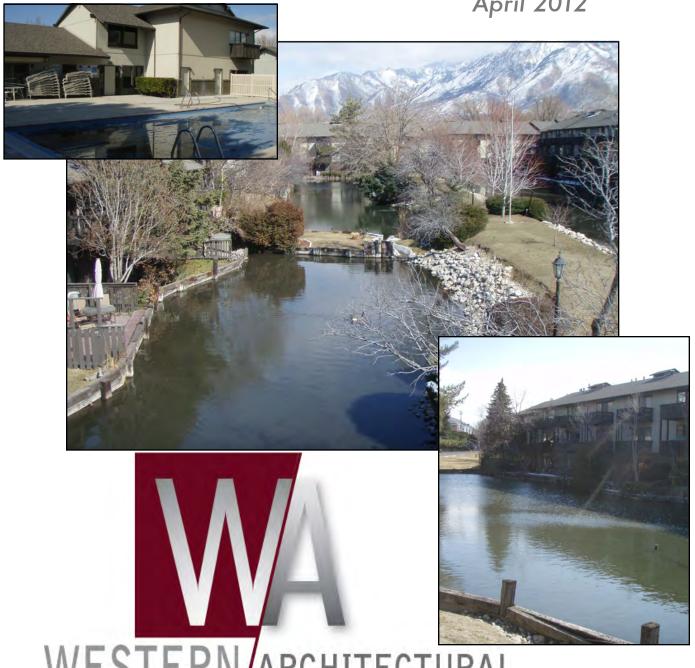
## Hidden Lake Condominiums Reserve Study

April 2012



WESTERN ARCHITECTURAL forens/c architects & engineers



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## Hidden Lake Condominiums Job #: UT12-093



#### **Executive Summary**

Dear Board of Directors,

Western Architectural would like to thank you for the opportunity to provide this Reserve Study Analysis for the Hidden Lake Condominium Association, located in Salt Lake City, Utah.

#### **Baseline Statement**

The purpose of the Baseline Statement section is to identify conditions prior to preparing this reserve study. These statements set the baseline to compare new budgeting figures with existing budgeting figures and to calculate contribution increases or decreases.

Number of Residential Units		118
Fiscal Year End		December 31
Fiscal Year Begin		January 1
Current Reserve Allocation (Annually)	From client-provided budget dated March, 2012	\$30,556
Current Reserve Allocation (Monthly per U.	nit)	\$21.58
Starting Reserve Account Balance		\$82,525

#### **Economic Variables**

Economic variables such as inflation of goods and services are factored into the estimated future replacement costs of common components, using historical data provided by www.Inflationdata.com. Inflation is compounded over the 30-year period to give an accurate portrait of what costs may look like over the 30 years. Using historical data allows us to forecast a fairly accurate 30-year cost analysis. Actual prices should be adjusted annually, using the current RS-Means Facilities Construction Cost Data guide, in order to provide the most up to date cost analysis. Updating your Reserve Study annually is important and will help to prevent large fluctuation in Recommended Annual Contributions.

Projected Annual Inflation (%)	Based on inflation history 2000-2010 by www.Inflationdata.com	2.96%
Reserve Account Interest Rate		0.30%

The purpose of the Economic Variables section is to identify estimates of inflation and interest rates based on relative history of these figures. Inflation and interest rates are subject to change and may not reflect the actual future rates.

#### **Recommended Reserve Contributions**

The purpose of the Recommended Reserve Contributions section is to summarize the focal points of the reserve schedule. The Recommended Reserve Contributions were determined based on anticipated estimated costs needs over the 30-year period using the "Cash Flow Funding Method". These costs are located on the "Reserve Schedule" page and more info about the "Cash Flow Funding Method" can be found under the "Preparation of a Reserve Study" section.

Recommended Minimum Reserve Contribution (Annually)	Plan assumes an increase in contributions each year based on inflation.	\$98,000
Minimum Reserve Contribution (Monthly per Unit)		\$69.21
Estimated Expenditures over 30 years		\$3,842,041
Estimated Reserve Contributions (factoring interest earned) of	over 30 Years	\$4.867.412



CSI Division	Component Description	Condition	Installation Date (Year)	Expected Useful Life (Years)	Remaining Useful Life (Years)	Estimated Replacement Date	Included in Reserve Schedule?	Effective Age
04-Masonry								
042113	Brick Masonry	Good	1978	50	50	2028	NO	34
042113	Brick Masonry (Repair Allowance)	n/a	2012	10	10	2022	YES	0
06-Woods, Plastic	cs, & Composites							
061533	Wood Balcony & Rails	Fair	2012	5	5	2017	YES	0
061533	Wood Entry & Rails	Fair	2004	20	12	2024	YES	8
064619	Wood Bridges	Good	2010	15	13	2025	YES	2
07-Thermal & M	oisture Protection							
070190	Caulking and Joint Sealant	Good	2007	10	5	2017	YES	5
070190	Caulking and Joint Sealant	Good	2008	10	6	2018	YES	4
070190	Caulking and Joint Sealant	Good	2009	10	7	2019	YES	3
070190	Caulking and Joint Sealant	Good	2010	10	8	2020	YES	2
073113	Composition Roofing	Good	2004	25	17	2029	YES	8
074623	Cedar Shake Siding	Fair	1978	40	6	2018	YES	34
074629	Plywood Siding (Repair Allowance)	Good	2007	10	5	2017	YES	5
074629	Plywood Siding (Repair Allowance)	Good	2008	10	6	2018	YES	4
074629	Plywood Siding (Repair Allowance)	Good	2009	10	7	2019	YES	3
074629	Plywood Siding (Repair Allowance)	Good	2010	10	8	2020	YES	2
077123	Rain Gutters and Downspouts	Good	2004	25	17	2029	YES	8
08-Openings								
081100	Metal Doors and Frames - Clubhouse	Good	1978	50	16	2028	YES	34
081500	Vinyl Sliding-Glass Door - Clubhouse	Good	2012	45	45	2057	NO	0
083613	Garage Doors - Common	Good	1978	50	16	2028	YES	34
085313	Vinyl Windows - Clubhouse	Good	2012	45	45	2057	NO	0



CSI Division	Component Description	Condition	Installation Date (Year)	Expected Useful Life (Years)	Remaining Useful Life (Years)	Estimated Replacement Date	Included in Reserve Schedule?	Effective Age
09-Finishes								
093013	Ceramic Tile Flooring	Good	1978	50	16	2028	YES	34
093013	Ceramic Tile Flooring	Good	2010	50	48	2060	NO	2
096400	Hard Wood Flooring	Good	2010	20	18	2030	YES	2
096516	Sheet Vinyl Flooring	Good	2010	20	18	2030	YES	2
096816	Carpeting (Upstairs)	Good	2004	12	4	2016	YES	8
096816	Carpeting (Down Stairs)	Good	2010	12	10	2022	YES	2
099113	Exterior Paint	Good	2007	10	5	2017	YES	5
099113	Exterior Paint	Good	2008	10	6	2018	YES	4
099113	Exterior Paint	Good	2009	10	7	2019	YES	3
099113	Exterior Paint	Good	2010	10	8	2020	YES	2
099123	Interior Paint	Good	2004	12	4	2016	YES	8
10-Specialties								
102113	Bathroom Components	Fair	1978	40	6	2018	YES	34
103000	Gas Fireplace	Good	2008	30	26	2038	YES	4
107400	Monument Sign	Fair	1978	50	16	2028	YES	34
11-Equipment								
114000	Kitchen Appliances	Good	2008	20	16	2028	YES	4
115213	Audio Equipment	Fair	2005	10	3	2015	YES	7
12-Furnishings								
125000	Furniture (Office)	Fair	1998	35	21	2033	YES	14
125000	Furniture (Upstairs)	Good	2000	35	23	2035	YES	12
125000	Furniture (Down Stairs)	Fair	1990	35	13	2025	YES	22
125883	Patio Furniture	Good	2005	12	5	2017	YES	7



CSI Division	Component Description	Condition	Installation Date (Year)	Expected Useful Life (Years)	Remaining Useful Life (Years)	Estimated Replacement Date	Included in Reserve Schedule?	Effective Age
13-Special Const	ruction							
131146	Pool Cover	Good	2010	10	8	2020	YES	2
131700	Pool Surfaces (Plaster)	Good	2008	15	11	2023	YES	4
131700	Spa Surfaces (Plaster)	Good	2010	15	13	2025	YES	2
22-Plumbing								
223430	Gas Fired Residential Water Heater	Good	2010	12	10	2022	YES	2
223430	Gas Fired Residential Water Heater	Fair	2004	12	4	2016	YES	8
225116	Spa Circulation Pump	Good	2002	15	5	2017	YES	10
225119	Spa Heater	Good	2002	12	2	2014	YES	10
225119	Spa Filter	Good	2002	20	10	2022	YES	10
225116	Pool Circulation Pump	Good	2008	15	11	2023	YES	4
225119	Pool Heater	Good	2008	12	8	2020	YES	4
225119	Pool Filter	Good	2008	20	16	2028	YES	4
225200	River Pump	Good	2004	15	7	2019	YES	8
225200	Pond Circulation Pumps	Good	2012	12	12	2024	YES	0
225200	Pond Circulation Pumps	Good	2006	12	6	2018	YES	6
23-HVAC								
230900	Gas Line (Repair Allowance)	Good	2012	10	10	2022	YES	0
235400	Furnace	Good	2010	30	28	2040	YES	2
235400	Furnace	Good	2004	30	22	2034	YES	8
236000	Central Cooling Equipment	Good	2010	20	18	2030	YES	2
236000	Central Cooling Equipment	Good	2004	20	12	2024	YES	8
26-Electrical								
265100	Interior Lighting	Fair	1978	40	6	2018	YES	34
265600	Building Lighting (Replacment All.)	Fair	2012	10	10	2022	YES	0
265613	Site Lighting	Fair	2000	20	8	2020	YES	12



CSI Division	Component Description	Condition	Installation Date (Year)	Expected Useful Life (Years)	Remaining Useful Life (Years)	Estimated Replacement Date	Included in Reserve Schedule?	Effective Age
<b>32-Exterior Impr</b>	ovements							
321216	Asphalt Paving Overlay	Good	2009	28	25	2037	YES	3
321236	Asphalt Sealants Sealer	Good	2009	7	4	2016	YES	3
321723	Parking Area Striping & Graphics	Good	2009	7	4	2016	YES	3
321216	Asphalt Paving Overlay	Fair	1999	28	15	2027	YES	13
321236	Asphalt Sealants Sealer	Fair	2006	7	1	2013	YES	6
321723	Parking Area Striping & Graphics	Fair	2006	7	1	2013	YES	6
321216	Asphalt Paving Overlay	Poor	1991	28	7	2019	YES	21
321236	Asphalt Sealants Sealer	Poor	2001	7	0	2008	YES	11
321723	Parking Area Striping & Graphics	Poor	2001	7	0	2008	YES	11
325113	Concrete Flatwork (Repair Allowance)	Good	2000	25	13	2025	YES	12
323119	Sports Surfacing	Fair	2005	25	18	2030	YES	7
329200	Pond Dredging (Allowance)	n/a	2011	6	5	2017	YES	1
321613	Shore-line Barrier (Replacement All.)	Poor	1978	35	1	2013	YES	34
321313	Pool Deck	Good	2008	30	26	2038	YES	4
321313	Spa Deck	Good	2010	30	28	2040	YES	2
323100	Metal Fencing	Fair	1978	50	16	2028	YES	34
323113	Chain-Link Fencing	Fair	2003	25	16	2028	YES	9
323123	Vinyl Fencing	Good	2008	20	16	2028	YES	4
323129	Wood Fencing	Poor	1998	20	6	2018	YES	14
328000	Irrigation Systems	Good	2000	25	13	2025	YES	12
328000	Irrigation Timers	Good	2005	12	5	2017	YES	7



## Reserve Study Schedule

Recommended Contributions: Per Unit / Per Month:	\$69.21
Fiscal Year: January 1 to December 31 YR:	2012
Inflation Rate (%)	2.96%
Year Built	1978
Number of Units	118

Component Description	Remaining Useful Life	Ouantity	Units	Cost		Replacemen	Total Spent Over 30	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Component Description	(Years)	Quantity	Cints	Cost	2012	Date	Years	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
04-Masonry							\$5,931																															
Brick Masonry (Repair Allowance)	10	17875	SF 10%	\$0.60	\$1,073	2022	\$5,931											\$1,436										\$1,922										\$2,573
06-Woods, Plastics, & Composites							\$231,574																															
Wood Balcony & Rails	5	137	EA 25%	\$600.00	\$20,550	2017	\$211,860						\$23,777					\$27,510					\$31,830					\$36,828					\$42,611					\$49,302
Wood Entry & Rails	12	6	EA	\$1,200.00	\$7,200	2024	\$10,218													\$10,218																		
Wood Bridges	13	3	EA	\$850.00	\$2,550	2025	\$9,497														\$3,726															\$5,771		
07-Thermal & Moisture Protection							\$1,180,195																															
Caulking and Joint Sealant	5	7080	LF 25%	\$3.20	\$5,664	2017	\$27,071						\$6,553										\$8,773										\$11,745					
Caulking and Joint Sealant	6	7080	LF 25%	\$3.20	\$5,664	2018	\$27,872							\$6,747										\$9,033										\$12,092				
Caulking and Joint Sealant	7	14160	LF 25%	\$3.20	\$11,328	2019	\$57,395								\$13,894										\$18,600										\$24,900			
Caulking and Joint Sealant	8	14160	LF 25%	\$3.20	\$11,328	2020	\$59,094									\$14,305										\$19,151										\$25,637		
Composition Roofing	17	138520	SF	\$3.10	\$429,412	2029	\$705,081																		\$705,081													
Cedar Shake Siding	6	3400	SF	\$6.75	\$22,950	2018	\$27,340							\$27,340																								
Plywood Siding (Repair Allowance)	5	20625	SF 5%	\$8.50	\$8,766	2017	\$41,895						\$10,142										\$13,577										\$18,176					
Plywood Siding (Repair Allowance)	6	20625	SF 5%	\$8.50	\$8,766	2018	\$43,135							\$10,442										\$13,979										\$18,714				
Plywood Siding (Repair Allowance)	7	41250	SF 5%	\$8.50	\$17,531	2019	\$88,824								\$21,503										\$28,786										\$38,536			
Plywood Siding (Repair Allowance)	8	41250	SF 5%	\$8.50	\$17,531	2020	\$91,453									\$22,139										\$29,638										\$39,676		
Rain Gutters and Downspouts	17	1600	LF	\$4.20	\$6,720	2029	\$11,034																		\$11,034													
08-Openings							\$9,911																															
Metal Doors and Frames - Clubhouse	16	5	EA	\$475.00	\$2,375	2028	\$3,788																	\$3,788													1	
Garage Doors - Common	16	4	EA	\$960.00	\$3,840	2028	\$6,124																	\$6,124													1	
09-Finishes							\$1,001,432																															
Ceramic Tile Flooring	16	210	SF	\$4.25	\$893	2028	\$1,423																	\$1,423													1	
Hard Wood Flooring	18	148	SF	\$3.15	\$466	2030	\$788																			\$788											1	
Sheet Vinyl Flooring	18	136	SF	\$2.10	\$286	2030	\$483																			\$483											1	
Carpeting (Upstairs)	4	800	SF	\$2.84	\$2,272	2016	\$11,318					\$2,553												\$3,623												\$5,142	1	
Carpeting (Down Stairs)	10	800	SF	\$2.84	\$2,272	2022	\$7,358											\$3,042												\$4,316								
Exterior Paint	5	20625	SF	\$1.54	\$31,763	2017	\$151,808						\$36,750										\$49,197										\$65,861				1	
Exterior Paint	6	20625	SF	\$1.54	\$31,763	2018	\$156,302							\$37,838										\$50,654										\$67,810			1	
Exterior Paint	7	41250	SF	\$1.54	\$63,525	2019	\$321,857								\$77,916										\$104,306										\$139,635			
Exterior Paint	8	41250	SF	\$1.54	\$63,525	2020	\$331,384									\$80,222										\$107,394										\$143,768	1	
Interior Paint	4	3400	SF	\$1.09	\$3,706	2016	\$18,710					\$4,165												\$5,910													\$8,636	
10-Specialties							\$6,477																															
Bathroom Components	6	2	EA	\$1,600.00	\$3,200	2018	\$3,812							\$3,812																								
Gas Fireplace	26	1	EA	\$800.00	\$800	2038	\$1,708																											\$1,708				
Monument Sign	16	1	Allowance	\$600.00	\$600	2028	\$957																	\$957													<u>1</u>	
11-Equipment							\$4,223																															
Kitchen Appliances	16	1	EA	\$1,800.00	\$1,800	2028	\$2,871																	\$2,871														
Audio Equipment	3	1	EA	\$300.00	\$300	2015	\$1,353				\$327										\$438										\$587							

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## Reserve Study Schedule

Recommended Contributions: Per Unit / Per Month	: \$69.21
Fiscal Year: January 1 to December 31 YR	2012
Inflation Rate (%)	2.96%
Year Built	1978
Number of Units	118

	Remaining				Total Cost in	Replaceme	Total Spent	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Component Description	Useful Life (Years)	Quantity	Units	Cost	2012	Date	Over 30 Years	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
12-Furnishings							\$15,108																															
Furniture (Office)	21	1	Allowanc	e \$800.00	\$800	2033	\$1,476																						\$1,476									
Furniture (Upstairs)	23	1	Allowanc	e \$3,200.00	\$3,200	2035	\$6,259																								\$6,259							
Furniture (Down Stairs)	13	1	Allowanc	e \$1,000.00	\$1,000	2025	\$1,461														\$1,461																	
Patio Furniture	5	1	Allowanc	ee \$1,200.00	\$1,200	2017	\$5,912						\$1,388												\$1,970												\$2,553	
13-Special Construction							\$160,563																															
Pool Cover	8	1200	SF	\$0.45	\$540	2020	\$2,817									\$682										\$913										\$1,222		
Pool Surfaces (Plaster)	11	1950	SF	\$18.50	\$36,075	2023	\$126,741												\$49,723															\$77,017				
Spa Surfaces (Plaster)	13	450	SF	\$18.50	\$8,325	2025	\$31,005														\$12,164															\$18,841		
22-Plumbing							\$42,527																															
Gas Fired Residential Water Heater	10	1	EA	\$1,100.00	\$1,100	2022	\$3,562											\$1,473												\$2,090								
Gas Fired Residential Water Heater	4	1	EA	\$1,100.00	\$1,100	2016	\$5,480					\$1,236												\$1,754												\$2,489		
Spa Circulation Pump	5	2	EA	\$420.00	\$840	2017	\$2,477						\$972															\$1,505										
Spa Heater	2	1	EA	\$2,050.00	\$2,050	2014	\$9,634			\$2,173												\$3,084												\$4,377				
Spa Filter	10	1	EA	\$525.00	\$525	2022	\$1,962											\$703																				\$1,260
Pool Circulation Pump	11	1	EA	\$350.00	\$350	2023	\$1,230												\$482															\$747				
Pool Heater	8	1	EA	\$2,050.00	\$2,050	2020	\$6,263									\$2,589												\$3,674										
Pool Filter	16	1	EA	\$350.00	\$350	2028	\$558																	\$558														
River Pump	7	1	EA	\$1,150.00	\$1,150	2019	\$3,412								\$1,411												\$2,002											
Pond Circulation Pumps	12	2	EA	\$350.00	\$700	2024	\$2,403													\$993												\$1,410						
Pond Circulation Pumps	6	3	EA	\$350.00	\$1,050	2018	\$5,545							\$1,251												\$1,775												\$2,519
23-HVAC							\$77,869																															
Gas Line (Repair Allowance)	10	1	Allowanc	e \$10,000.00	\$10,000	2022	\$55,300											\$13,387										\$17,921										\$23,991
Furnace	28	2	EA	\$2,200.00	\$4,400	2040	\$9,958																													\$9,958		
Furnace	22	1	EA	\$1,400.00	\$1,400	2034	\$2,660																							\$2,660								
Central Cooling Equipment	18		EA	\$3,200.00	\$3,200	2030	\$5,410																			\$5,410												
Central Cooling Equipment	12	1	EA	\$3,200.00	\$3,200	2024	\$4,541													\$4,541	İ																	
26-Electrical							\$196,204																															
Interior Lighting	6	24	EA	\$125.00	\$3,000	2018	\$3,574							\$3,574																								
Building Lighting (Replacment All.)	10	244	EA 25%	\$135.00	\$32,940	2022	\$182,158											\$44,097										\$59,033						İ				\$79,028
Site Lighting	8	9	EA	\$330.00	\$2,970	2020	\$10,472									\$3,751					i													i		\$6,722		

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## Reserve Study Schedule

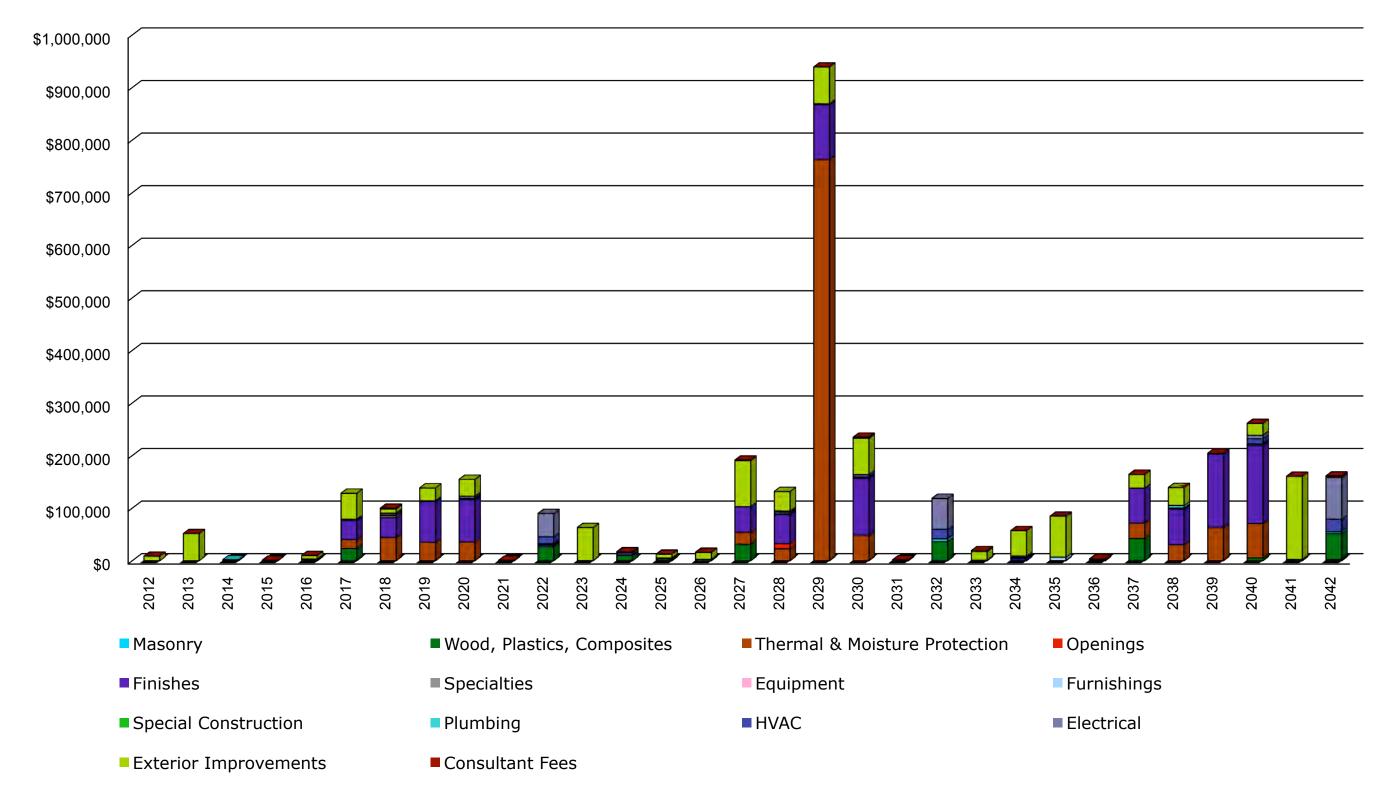
Recommended Contributions: Per Unit / Per Month:	\$69.21
Fiscal Year: January 1 to December 31 YR:	2012
Inflation Rate (%)	2.96%
Year Built	1978
Number of Units	118

Commonweal Description	Remaining Useful Life	O	TT4	Cost	Total Cost in	n Replaceme	Total Spent Over 30	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Component Description	(Years)	Quantity	Units	Cost	2012	Date	Years	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
32-Exterior Improvements							\$912,046																															
Asphalt Paving Overlay	25	14275	SF	\$0.89	\$12,705	2037	\$26,344																										\$26,344		,	( I		
Asphalt Sealants Sealer	4	14275	SF	\$0.39	\$5,567	2016	\$23,342					\$6,256							\$7,674							\$9,412									,	(		
Parking Area Striping & Graphics	4	400	LF	\$0.45	\$180	2016	\$755					\$202							\$248	İ						\$304									,	(		
Asphalt Paving Overlay	15	63315	SF	\$0.89	\$56,350	2027	\$87,282													İ			\$87,282												,	(		
Asphalt Sealants Sealer	1	63315	SF	\$0.39	\$24,693	2013	\$161,057		\$25,424							\$31,183														\$46,911					,	(	\$57,539	
Parking Area Striping & Graphics	1	1800	LF	\$0.45	\$810	2013	\$5,283		\$834							\$1,023				İ										\$1,539					,	(	\$1,887	
Asphalt Paving Overlay	7	22175	SF	\$0.89	\$19,736	2019	\$24,207								\$24,207																				,	(		
Asphalt Sealants Sealer	0	22175	SF	\$0.39	\$8,648	2012	\$57,189	\$8,648												İ		\$13,010							\$15,958						,	\$19,573		
Parking Area Striping & Graphics	0	700	LF	\$0.45	\$315	2012	\$2,083	\$315														\$474							\$581						,	\$713		
Concrete Flatwork (Repair Allowance)	13	1	Allowance	\$800.00	\$800	2025	\$1,169													İ	\$1,169														,	(		
Sports Surfacing	18	7200	SF	\$4.83	\$34,776	2030	\$58,791																			\$58,791									,	(		
Pond Dredging (Allowance)	5	1	Allowance	\$40,000.00	\$40,000	2017	\$338,541						\$46,281						\$55,133						\$65,679						\$78,241				,	(	\$93,207	
Shore-line Barrier (Replacement All.)	1	1	Allowance	\$25,000.00	\$25,000	2013	\$25,740		\$25,740																										,	(		
Pool Deck	26	1880	SF	\$8.50	\$15,980	2038	\$34,116																											\$34,116	,	(		
Spa Deck	28	115	SF	\$8.50	\$978	2040	\$2,212													İ															,	\$2,212		
Metal Fencing	16	192	LF	\$34.00	\$6,528	2028	\$10,411																	\$10,411											,	(		
Chain-Link Fencing	16	420	LF	\$24.00	\$10,080	2028	\$16,075																	\$16,075											, —	(		
Vinyl Fencing	16	195	LF	\$35.00	\$6,825	2028	\$10,884																	\$10,884											, — —	(		
Wood Fencing	6	275	LF	\$24.00	\$6,600	2018	\$7,862							\$7,862																					,	(		
Irrigation Systems	13	1	Allowance	\$4,200.00	\$4,200	2025	\$6,137														\$6,137														,	( T		
Irrigation Timers	5	7	EA	\$350.00	\$2,450	2017	\$12,566						\$2,835												\$4,023										, —	(	\$5,709	
<b>Inspection/Consultant Fees</b>							\$16,692																															
Reserve Study Update	3	1	EA	\$770.00	\$770	2015	\$6,148				\$840						\$1,001						\$1,193						\$1,421						\$1,693			
Reserve Study Update w/ Site Visit	6	1	EA	\$1,210.00	\$1,210	2018	\$10,544							\$1,441						\$1,717						\$2,046						\$2,437			,	(		\$2,903
(Services within this section are available through	h																																		,			
Western Architectural)																																			,	(		
Total Expenditu	ires	\$3,860,751						\$8,963	\$51,998	\$2,173	\$1,168	\$14,413	\$128,698	\$100,308	\$138,930	\$155,894	\$1,001	\$91,647	\$113,261	\$17,469	\$25,095	\$16,568	\$191,853	\$138,044	\$939,480	\$236,104	\$2,002	\$120,884	\$19,436	\$57,516	\$85,087	\$3,847	\$164,737	\$216,582	\$204,764	\$281,725	\$169,530	\$161,576
Recommended Reserve Contribution	ons	\$98,000						\$98,000	\$100,901	\$103,887	\$106,963	\$110,129	\$113,388	\$116,745	\$120,200	\$123,758	\$127,422	\$131,193	\$135,077	\$139,075	\$143,191	\$147,430	\$151,794	\$156,287	\$160,913	\$165,676	\$170,580	\$175,629	\$180,828	\$186,180	\$191,691	\$197,365	\$203,207	\$209,222	\$215,415	\$221,792	\$228,357	\$235,116
Interest Rate on Reserv	ves	0.30%						0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%
Starting Balar	nce	\$82,525						\$172,076	\$221,642	\$324,327	\$431,412	\$528,709	\$514,940	\$532,971	\$515,784	\$485,100	\$613,355	\$654,859	\$678,705	\$802,712	\$923,570	\$1,057,595	\$1,020,589	\$1,041,949	\$264,172	\$194,326	\$363,993	\$419,994	\$583,130	\$713,930	\$822,995	\$1,019,564	\$1,061,208	\$1,057,011	\$1,070,865	\$1,013,964 \$	\$1,076,009	51,152,998

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## **Annual Expenditures**





## **Funding Plan Summary**

Year #	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Year Date	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Ideal Reserve Account Balance	\$433,600	\$513,429	\$558,999	\$659,700	\$766,975	\$870,709	\$857,067	\$877,728	\$861,788	\$826,866	\$953,205	\$993,001	\$1,021,683	\$1,145,949	\$1,258,640	\$1,397,890
Actual Reserve Account Balance	\$82,525	\$172,076	\$221,642	\$324,327	\$431,412	\$532,886	\$519,129	\$537,173	\$519,999	\$489,327	\$617,595	\$659,112	\$682,971	\$806,990	\$927,862	\$1,061,900
Total Annual Deposit	\$98,000	\$100,901	\$103,887	\$106,963	\$110,129	\$113,388	\$116,745	\$120,200	\$123,758	\$127,422	\$131,193	\$135,077	\$139,075	\$143,191	\$147,430	\$151,794
Expenditures	\$8,963	\$51,998	·		\$10,248	\$128,698	\$100,308	·	\$155,894	\$1,001	\$91,647	\$113,261	,	\$25,095	·	\$191,853
Percent Funded	40%	43%			69%	60%	63%	59%	57%	75%	69%	69%	79%	81%	84%	73%

Year #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
															2010
Year Date	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Ideal Reserve Account Balance	\$1,368,646	\$1,405,109	\$615,316	\$529,292	\$685,953	\$728,661	\$881,430	\$1,003,990	\$1,106,399	\$1,300,229	\$1,340,344	\$1,333,730	\$1,342,056	\$1,287,216	\$1,361,032
Actual Reserve Account Balance	\$1,024,906	\$1,052,207	\$274,461	\$204,645	\$374,343	\$430,376	\$593,543	\$724,374	\$833,471	\$1,030,070	\$1,071,747	\$1,067,581	\$1,081,467	\$1,024,598	\$1,095,336
<b>Total Annual Deposit</b>	\$156,287	\$160,913	\$165,676	\$170,580	\$175,629	\$180,828	\$186,180	\$191,691	\$197,365	\$203,207	\$209,222	\$215,415	\$221,792	\$228,357	\$235,116
Expenditures	\$132,134	\$939,480	\$236,104	\$2,002	\$120,884	\$19,436	\$57,516	\$85,087	\$3,847	\$164,737	\$216,582	\$204,764	\$281,725	\$160,895	\$161,576
<b>Percent Funded</b>	77%	20%	33%	71%	63%	81%	82%	83%	93%	82%	80%	81%	<b>76</b> %	85%	86%

#### **Current Reserve Fund Status**

The reserve account balance is currently in a **Fair** financial position. This condition indicates that in 2012, reserve contibutions should be increased to meet future financial needs.

#### Measure of Strength for Reserve Funding Plan

0% - 30% Funded is a weak financial position. Reserve accounts which fall into this category are subject to special assessment charges and deferred maintenance which may harm the property value and building performance. If the reserve account is in this position, immediate action should be taken to improve the reserve account balance.

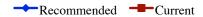
31% - 69% Funded is a fair financial position. The majority of reserve accounts are within this range. Special assessments probably won't occur in this position; however, improvements should be made to the reserve account to stabilize the balance.

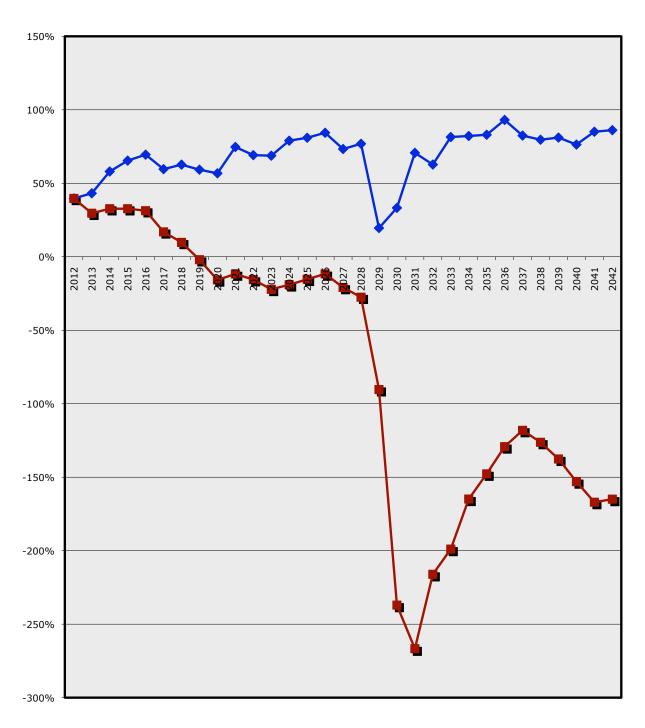
**70% - 99% Funded** is a strong financial position. This position indicates a near-adequate reserve account balance and special assessments are likely to be omitted in this category. Efforts should be taken to maintain this level of status of the reserve account.

100% or more Funded is an ideal financial position. This means the reserve account is equal to, or exceeds, the amount of money needed to maintain the development. A 100% or more funding status does not necessarily indicate halting reserve contributions. This funding status indicates the reserve account balance is adequate, as intended.



#### **Percent Funded**







## **Funding Allocation**

Component Description	% of Total Expenditures	Funds Allocated Annually		
04-Masonry				
Brick Masonry (Repair Allowance)	0.15%	\$151.28		
06-Woods, Plastics, & Composites				
Wood Balcony & Rails	5.51%	\$5,403.96		
Wood Entry & Rails	0.27%	\$260.63		
Wood Bridges	0.25%	\$242.24		
07-Thermal & Moisture Protection				
Caulking and Joint Sealant	0.70%	\$690.51		
Caulking and Joint Sealant	0.73%	\$710.95		
Caulking and Joint Sealant	1.49%	\$1,463.98		
Caulking and Joint Sealant	1.54%	\$1,507.32		
Composition Roofing	18.35%	\$17,984.71		
Cedar Shake Siding	0.71%	\$697.36		
Plywood Siding (Repair Allowance)	1.09%	\$1,068.63		
Plywood Siding (Repair Allowance)	1.12%	\$1,100.26		
Plywood Siding (Repair Allowance)	2.31%	\$2,265.66		
Plywood Siding (Repair Allowance)	2.38%	\$2,332.73		
Rain Gutters and Downspouts	0.29%	\$281.45		
08-Openings				
Metal Doors and Frames - Clubhouse	0.10%	\$96.61		
Garage Doors - Common	0.16%	\$156.20		
09-Finishes				
Ceramic Tile Flooring	0.04%	\$36.31		
Hard Wood Flooring	0.02%	\$20.10		
Sheet Vinyl Flooring	0.01%	\$12.32		
Carpeting (Upstairs)	0.29%	\$288.70		
Carpeting (Down Stairs)	0.19%	\$187.68		
Exterior Paint	3.95%	\$3,872.22		
Exterior Paint	4.07%	\$3,986.84		
Exterior Paint	8.38%	\$8,209.70		
Exterior Paint	8.63%	\$8,452.70		
Interior Paint	0.00%	\$0.00		



## **Funding Allocation**

Component Description	% of Total Expenditures	Funds Allocated Annually
10-Specialties		
Bathroom Components	0.10%	\$97.24
Gas Fireplace	0.04%	\$43.56
Monument Sign	0.02%	\$24.41
11-Equipment	·	
Kitchen Appliances	0.07%	\$73.22
Audio Equipment	0.04%	\$34.50
12-Furnishings		
Furniture (Office)	0.04%	\$37.65
Furniture (Upstairs)	0.16%	\$159.66
Furniture (Down Stairs)	0.04%	\$37.27
Patio Furniture	0.15%	\$150.79
13-Special Construction		
Pool Cover	0.07%	\$71.85
Pool Surfaces (Plaster)	3.30%	\$3,232.81
Spa Surfaces (Plaster)	0.81%	\$790.85
22-Plumbing		
Gas Fired Residential Water Heater	0.09%	\$90.87
Gas Fired Residential Water Heater	0.14%	\$139.78
Spa Circulation Pump	0.06%	\$63.19
Spa Heater	0.25%	\$245.73
Spa Filter	0.05%	\$50.05
Pool Circulation Pump	0.03%	\$31.36
Pool Heater	0.16%	\$159.74
Pool Filter	0.01%	\$14.24
River Pump	0.09%	\$87.04
Pond Circulation Pumps	0.06%	\$61.30
Pond Circulation Pumps	0.14%	\$141.44
23-HVAC		
Gas Line (Repair Allowance)	1.44%	\$1,410.55
Furnace	0.26%	\$254.00
Furnace	0.07%	\$67.84
Central Cooling Equipment	0.14%	\$137.99
Central Cooling Equipment  SALT LAKE CITY O  215 S. State Street, Suite 100B Sal  866 941 641	It Lake City, $0$ T, $12\%$	\$115.83



## **Funding Allocation**

Component Description	% of Total Expenditures	Funds Allocated Annually
26-Electrical		
Interior Lighting	0.09%	\$91.16
Building Lighting (Replacment All.)	4.74%	\$4,646.35
Site Lighting	0.27%	\$267.12
32-Exterior Improvements		
Asphalt Paving Overlay	0.69%	\$671.96
Asphalt Sealants Sealer	0.61%	\$595.38
Parking Area Striping & Graphics	0.02%	\$19.25
Asphalt Paving Overlay	2.27%	\$2,226.33
Asphalt Sealants Sealer	4.19%	\$4,108.12
Parking Area Striping & Graphics	0.14%	\$134.76
Asphalt Paving Overlay	0.63%	\$617.44
Asphalt Sealants Sealer	1.49%	\$1,458.73
Parking Area Striping & Graphics	0.05%	\$53.13
Concrete Flatwork (Repair Allowance)	0.03%	\$29.82
Sports Surfacing	1.53%	\$1,499.61
Pond Dredging (Allowance)	8.81%	\$8,635.26
Shore-line Barrier (Replacement All.)	0.67%	\$656.56
Pool Deck	0.89%	\$870.21
Spa Deck	0.06%	\$56.43
Metal Fencing	0.27%	\$265.55
Chain-Link Fencing	0.42%	\$410.04
Vinyl Fencing	0.28%	\$277.63
Wood Fencing	0.20%	\$200.55
Irrigation Systems	0.16%	\$156.53
Irrigation Timers	0.33%	\$320.54
Inspection/Consultant Fees		
Reserve Study Update	0.16%	\$156.81
Reserve Study Update w/ Site Visit	0.27%	\$268.95
Total	100.00%	\$98,000



#### **Terms and Definitions**

The following list of terms and definitions is based on the standards set fourth by Community Associations Institute (CAI). Not all of these terms and definitions may be utilized within this reserve study report; however, some may be used in the process of collecting information, calculating the financial and physical analysis, or reviewing the reserve study with consultants.

CASH FLOW METHOD: A method of developing 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 anticipated schedule of Reserve expenses until the desired Funding Goal is achieved.

COMPONENT: The individual line items in the Reserve Study, developed or updated in the Physical Analysis. These elements form the building blocks for the Reserve Study. Components typically are: 1) Association responsibility, 2) with limited Useful Life expectancies, 3) predictable Remaining Useful Life expectancies, 4) above a minimum threshold cost, and 5) as required by local codes.

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 representative(s) of the association or cooperative.

COMPONENT METHOD: A method of developing a Reserve Funding Plan where the total contribution is based on the sum of contributions for individual components. See "Cash Flow Method."

CONDITION ASSESSMENT: The task of evaluating the current condition of the component based on observed or reported characteristics.

CURRENT REPLACEMENT COST: See "Replacement Cost."

DEFICIT: An actual (or projected) Reserve Balance less then the Fully Funded Balance. The opposite would be a Surplus.

EFFECTIVE AGE: The difference between Useful Life and Remaining Useful Life. Not always equivalent to chronological age, since some components age irregularly. Used primarily in computations.

#### Hidden Lake Condominiums Job #: UT12-093



FINANCIAL ANALYSIS: The portion of the Reserve Study where current status of the Reserves (measured as cash or Percent Funded) and a recommended Reserve contribution rate (Reserve Funding Plan) are derived, and the projected Reserve income and expense over time is presented. The Financial Analysis is one of the two parts of the Reserve Study.

FULLY FUNDED: 100% funded. When the actual (or projected) Reserve balance is equal to the Fully Funded Balance.

FULLY FUNDED BALANCE (FFB): Total Accrued Depreciation. An indicator against which Actual (or projected) Reserve balance can be compared. The Reserve balance that is in direct proportion to the fraction of life "used up" of the current Repair or Replacement cost. This number is calculated for each component, and then summed together for an association total.

FUND STATUS: The status of the reserve fund as compared to an established benchmark such as percent funding.

FUNDING GOALS: Independent of methodology utilized, the following represent the basic categories of Funding Plan goals:

Baseline Funding: Establishing a Reserve funding goal of keeping the Reserve cash balance above zero.

Full Funding: Setting a Reserve funding goal of attaining and maintaining Reserves at or near 100% funded.

Statutory Funding: Establishing a Reserve funding goal of setting aside the specific minimum amount of Reserves required by local statues.

Threshold Funding: Establishing a Reserve funding goal of keeping the Reserve balance above a specified dollar or Percent Funded amount. Depending on the threshold, this may be more or less conservative then "Fully Funding."

FUNDING PLAN: An association's plan to provide income to a Reserve fund to offset anticipated expenditures from that fund.

#### **FUNDING PRINCIPLES:**

- > Sufficient Funds When Required
- > Stable Contribution Rate over the Years
- ➤ Evenly Distributed Contributions over the Years
- > Fiscally Responsible

LIFE AND VALUATION ESTIMATES: The task of estimating Useful Life, Remaining Useful Life, and Repair or Replacement Costs for the Reserve components.

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PERCENT FUNDED: The ratio at a particular point of time (typically the beginning of the Fiscal Year), of the actual (or projected) Reserve Balance to the Fully Funded balance, expressed as a percentage.

PHYSICAL ANALYSIS: The portion of the Reserve Study where the Component Inventory, Condition Assessment, and Life and Valuation Estimate tasks are performed. This represents one of the two parts of the Reserve Study.

REMAINING USEFUL LIFE (RUL): Also referred to as "Remaining Life" (RL). The estimated time, in years, that a reserve component can be expected to continue to serve its intended function. Projects anticipated to occur in the initial year have "zero" Remaining Useful Life.

REPLACEMENT COST: The cost of replacing, repairing, or restoring a Reserve Component to its original functional condition. The Current Replacement Cost would be the cost to replace, repair, or restore the component during the particular year.

RESERVE BALANCE: Actual or projected funds as of a particular point in time that the association has identified for use to defray the future repair or replacement of those major components which the association is obligated to maintain. Also known as Reserves, Reserve Accounts, Cash Reserves. Based upon information provided and not audited.

RESERVE PROVIDER: An individual that prepares Reserve Studies.

RESERVE STUDY: A budget planning tool which identifies the current status of the Reserve fund and a stable and equitable Funding Plan to offset the anticipated future major common area expenditures. The Reserve Study consists of two parts: the Physical Analysis and the Financial Analysis. "Our budget and finance committee is soliciting proposals to update our Reserve Study for next year's budget."

RESPONSIBLE CHARGE: A reserve specialist in responsible charge of a reserve study shall render regular and effective supervision to those individuals performing services which directly and materially affect the quality and competence rendered by the reserve specialist. A reserve specialist shall maintain such records as are reasonably necessary to establish that the reserve specialist exercised regular and effective supervision of a reserve study of which he/she is in responsible charge. A reserve specialist engaged in any of the following acts or practices shall be deemed not to have rendered the regular and effective supervision required herein:

1. The regular and continuous absence from principal office premises from which professional services are rendered; expect for performance of field work or presence in a field office maintained exclusively for a specific project;

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- 2. The failure to personally inspect or review the work of subordinate where necessary and appropriate;
- 3. The rendering of a limited, cursory or perfunctory review of plans or projects in lieu of an appropriate detailed review;
- 4. The failure to personally be available on a reasonable basis or with adequate advance notice for consultation and inspection where circumstances require personal availability.

SPECIAL ASSESSMENT: An assessment levied on the members of an association in addition to regular assessments. Special Assessments are often regulated by governing documents or local statutes.

SURPLUS: An actual (or projected) Reserve Balance greater than the Full Funded Balance. See "Deficit."

USEFUL LIFE (UL): Total Useful Life or Depreciable Life. The estimated time, in years, that a reserve component can be expected to serve its intended function if properly constructed in its present application or installation.

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Hidden Lake Condominiums c/o Mr. Steve Brightling Earthwork Property Management PO Box 57115 Salt Lake City, UT 84157

This reserve study is a budget-planning tool that identifies the status of the reserve fund and schedules the anticipated major commonly owned item replacements. This reserve study will also estimate the expected useful life and remaining useful life of building and site components or systems, and will provide an estimated replacement or refurbishment cost for those components or systems. Major components or systems may include, but are not limited to private streets, building exteriors, tennis court, swimming pool, clubhouse, etc.

The scope of work identified within our contract is to provide you with a "full" reserve study, which includes:

- Component/System Inventory
- Expected Useful Life and Remaining Useful Life Estimates
- Condition Assessment (based upon on-site visual observations using Good/Fair/Poor grading scale)
- Reserve Replacement Schedule and Estimated Pricing
- Identify Current Reserve Account Balance & Financial Status
- 30 Year Funding Plan

#### **How to Use a Reserve Study**

The documents included within the reserve study are intended to be used as guidelines and estimates. It is nearly impossible to know exactly when a common component or system will fail; however, an estimation of useful life based on similar product history and professional experience is used to estimate the time of replacement and associated costs. All costs included within this reserve study should be used as budgeting figures. For exact pricing, a qualified, licensed contractor should be contacted to provide a bid for any anticipated replacements.

The replacement schedule lists all components and systems which are anticipated to 'wear out' or fail within 30 years. Items which are anticipated to be replaced or repaired in the current year (2012) are included within the reserve study. These items should already be budged for and scheduled to be replaced.

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On the reserve schedule, review which items are anticipated to fail in the near future, and keep a close eye on them. It is always better to replace items prior to failure to eliminate the opportunity for surrounding components or associated systems to be affected. Be aware of items scheduled within 2-3 years of the current year. Remember, items listed are scheduled based on history and replacement is scheduled as an estimate. Items commonly fail sooner or later than the estimated date.

If items fail prematurely, a warranty may still be valid. Be sure to check with the manufacturer about warranty coverage prior to replacing the item. Warranty information may be available on the actual items, located within the "Warranty" section of this document. This reserve study is not a guarantee or warranty for any components or systems. The product manufacturer or installation contractor generally provides warranties. The manufacturer and/or installation contractor may not be identified for some components or systems and therefore may be difficult to obtain warranty information. Anytime warranty info is provided by a service provider or upon the purchase of a new component or system, that information should be stored in the "Warranty" section of this document for future reference.

The anticipated funds per unit assume all units are participating. If vacant units exist or otherwise do not contribute to the reserve fund, adjustments may need to be made to compensate for that loss of revenue.

The reserve account anticipates earning 0.3% interest annually on the reserve account, based on average market assessments. If the association has multiple accounts with varying rates a conservative estimate for interest earned has been made. If the association believes that the stated rate is inaccurate, they can request an adjustment to the interest rate in writing, providing the new interest rate, so necessary revisions can be made.

Over time, deposits, interest rates, inflation, and replacement costs will vary, making the reserve study inaccurate. It is required to update this reserve study at least every 5 years, per the state of Utah *Senate Bill 89* to ensure accuracy and adequate funding.



#### **Preparation of a Reserve Study**

Data is collected from many sources to prepare a reserve study as a variety of document reviews, interviews, and site observations are required to adequately fulfill our duties as a reserve provider. The following sources and methods may have been utilized in preparation of this reserve study document:

- Property Management Personnel Interviews
- As-built Plans and Specifications Document Reviews
- On-site Observations
- In-house Architects and Engineers Consulting
- Interviewing Engineering Consultants
- RS Means Facilities Maintenance & Repair Cost Data, 18th Edition (2011) printed manual
- RS Means Facilities Construction Cost Data, 26th Edition (2011) printed manual
- Interviewing General Contractor Consultants

A tabular list of commonly owned items is developed and given a current condition grade, expected useful life, and remaining useful life. This document is called a "Remaining Useful Life Analysis" and also determines which items are to be replaced over the upcoming 30 years.

A "Reserve Schedule" identifies the quantity of items throughout the development and a current replacement or refurbishment cost. Based on the remaining useful life of the item (per the Remaining Useful Life Analysis), it is scheduled to be replaced if expected to fail or wear out within the next 30 years.

The "Funding Plan" portion of the reserve study is the association's plan to provide income to a reserve fund in order to pay for anticipated expenditures (per the Reserve Schedule) to maintain the development. The funding plan is developed through a "Cash Flow Method", which is a method of developing a reserve-funding plan where contributions into the reserve account are designed to offset the variable annual expenditures in order to maintain the development. Different reserve funding plans are tested against the anticipated schedule of reserve expenses until the desired funding goal is achieved.

The goal of the Funding Plan is to achieve a fully funded status, which means the reserve account balance is equal to the anticipated expenditures identified in the Reserve Schedule. As monthly deposits are made into the reserve account in order to save for future costs, the funding plan rarely reaches a "fully funded" status. The motivation of achieving a "fully funded" status is to save enough money to afford the replacement of items as they are expected to fail or wear out. Depositing the adequate amount of money into the reserve account each month will result in being "fully funded" when items are expected to be replaced.

## Hidden Lake Condominiums Job #: UT12-093



#### **Property Information**

Site observations were performed on March 7, 2012 at Hidden Lakes Condominiums. The following is a description of the subject development based on information collected during the site observation review of the CC&R.

Address or Cross Street: 1085 East 4800 South, Salt Lake City, Utah

Residential Units: 118Number of Buildings: 8Constructed: 1974

Jurisdiction: Salt Lake County

#### **Site Description**

Hidden Lake Condominiums is a multi-family development located in Salt Lake City, Utah. This development consists of 118 units within 8 buildings, The development has a clubhouse, pool, and tennis courts, located at the north central are of the property. The community surrounds three man made lakes, supported by a natural spring. Hidden Lake Condominiums is located within close proximity to 4800 South as well as I15. These are major arterial routes providing access throughout the Salt Lake Valley. This development is located within a short drive to major shopping and commercial districts.



#### **Disclosures**

- 1. **General** Hidden Lake Condominiums and Western Architectural have no professional or personal involvements with one another, other than the scope of work identified in the reserve study contract. This relationship cannot be perceived as a conflict of interest.
- 2. Physical Analysis On-site observations were limited to visual observations only. Destructive testing (invasive testing) was not performed. Any items that were not clearly visible at the time of the site observation were not viewed, and therefore were not included in the drafting of this report.
- **3. Measurements** Measuring and inventory were identified via a combination of on-site physical measurements and drawing take-offs. Drawing sets were provided by the property management for our use relating only to the reserve study scope of work.
- **4. Completeness** Western Architectural has found no material issues which, if not disclosed, would cause a distortion of the association's situation.
- **5.** Reliance on Client Data Data received from property management and association representatives is deemed reliable by Western Architectural. Such data received may include financial information, physical deficiencies or physical conditions, quantity of physical assets, or historical issues.
- **6. Scope** This reserve study is a reflection of information provided by Western Architectural and was assembled for use by Hidden Lake Condominiums. The intent of this reserve study is not to be used for performing an audit, quality or forensic analysis, or background checks of historical records.
- 7. **Reserve Balance** The actual or projected total presented in the reserve study is based upon information provided or collected and was not audited.
- **8. Reserve Projects** Information provided or collected for the purpose of the reserve study will be considered reliable and should not be considered a project audit or quality inspection.



#### **Reserve Provider Personal Credentials**

Mr. Justin Barnhart has prepared hundreds of reserve studies since 2007. He has provided reserve studies for high-rise condominiums of more than 300 residential units, to rural apartment-style condominiums containing less than 10 residential units, to master HOA's containing over 2,000 homes.

- Awarded the Reserve Specialist (RS) designation through Community Associations Institute (CAI) (RS designation #240)
- Graduated from Portland State University with a degree in Art History, 2006.
- Received the LEED AP designation from the GBCI in 2009.
- Certified EIFS Inspector, Association of the Wall and Ceiling Industry, #989009.
- Conducted hundreds of reserve studies in four states since 2007.
- Active member of ASTM International and Community Associations Institute (CAI).
- Excels in programs such as ASTM training for property condition assessments & RS Means Maintenance & Facilities Cost Estimating.
- Co-developed the Reserve Study and Maintenance Plan department for current company.
- Reserve study clients range from management companies, new construction contractors, and community associations.

Justin Barnhart, RS, CEI, LEED AP

Manager, Maintenance Plan and Reserve Study Department



#### **Compliance with Utah State Requirements**

The State of Utah has a statute describing reserve studies and requirements of these documents (Utah Code Title 57 Chapter 8 & 8a). This document is provided following this page.



#### **Utah Code Title 57 Chapter 8 Section 7.5**

#### Real Estate Condominium Ownership Act 57-8-7.5. Reserve analysis -- Reserve fund.

- (1) As used in this section, "reserve analysis" means an analysis to determine:
- (a) the need for a reserve fund to accumulate money to cover the cost of repairing, replacing, and restoring common areas and facilities that have a useful life of three years or more, but excluding any cost that can reasonably be funded from the general budget or other funds of the association of unit owners; and
  - (b) the appropriate amount of any reserve fund.
- (2) Except as otherwise provided in the declaration, a management committee shall:
- (a) (i) subject to Subsection (2)(a)(ii), cause a reserve analysis to be conducted no less frequently than every five years; and
- (ii) if no reserve analysis has been conducted since March 1, 2008, cause a reserve analysis to be conducted before July 1, 2012; and
- (b) review and, if necessary, update a previously conducted reserve analysis no less frequently than every two years.
- (3) The management committee may conduct a reserve analysis itself or may engage a reliable person or organization, as determined by the management committee, to conduct the reserve analysis.
- (4) (a) A management committee may not use money in a reserve fund:
- (i) for daily maintenance expenses, unless a majority of the members of the association of unit owners vote to approve the use of reserve fund money for that purpose; or
- (ii) for any purpose other than the purpose for which the reserve fund was established.
- (b) A management committee shall maintain a reserve fund separate from other funds of the association of unit
- (c) This Subsection (4) may not be construed to limit a management committee from prudently investing money in a reserve fund, subject to any investment constraints imposed by the declaration.
- (5) Subsections (2), (3), (4), and (6) do not apply to an association of unit owners during the period of declarant management.
  - (6) An association of unit owners shall:
- (a) annually, at the annual meeting of unit owners or at a special meeting of unit owners:
  - (i) present the reserve study; and
- (ii) provide an opportunity for unit owners to discuss reserves and to vote on whether to fund a reserve fund and, if so, how to fund it and in what amount;
- (b) prepare and keep minutes of each meeting held under Subsection (6)(a) and indicate in the minutes any decision relating to funding a reserve fund.
- (7) This section applies to each association of unit owners, regardless of when the association of unit owners was created.

#### **Utah Code Title 57 Chapter 8a Section 211**

#### Real Estate Community Association Act 57-8a-211. Reserve analysis -- Reserve fund.

- (1) As used in this section, "reserve analysis" means an analysis to determine:
- (a) the need for a reserve fund to accumulate money to cover the cost of repairing, replacing, and restoring common areas that have a useful life of three years or more, but excluding any cost that can reasonably be funded from the association's general budget or from other association funds; and
  - (b) the appropriate amount of any reserve fund.
- (2) Except as otherwise provided in the governing documents, a board shall:
- (a) (i) subject to Subsection (2)(a)(ii), cause a reserve analysis to be conducted no less frequently than every five years; and
- (ii) if no reserve analysis has been conducted since March 1, 2008, cause a reserve analysis to be conducted before July 1, 2012; and
- (b) review and, if necessary, update a previously conducted reserve analysis no less frequently than every two years.
- (3) The board may conduct a reserve analysis itself or may engage a reliable person or organization, as determined by the board, to conduct the reserve analysis.
  - (4) (a) A board may not use money in a reserve fund:
- (i) for daily maintenance expenses, unless a majority of association members vote to approve the use of reserve fund money for that purpose; or
- (ii) for any purpose other than the purpose for which the reserve fund was established.
- (b) A board shall maintain a reserve fund separate from other association funds.
- (c) This Subsection (4) may not be construed to limit a board from prudently investing money in a reserve fund, subject to any investment constraints imposed by the governing documents.
- (5) Subsections (2), (3), (4), and (6) do not apply to an association during the period of administrative control.
  - (6) An association shall:
- (a) annually, at the annual meeting of lot owners or at a special meeting of lot owners:
  - (i) present the reserve study; and
- (ii) provide an opportunity for lot owners to discuss reserves and to vote on whether to fund a reserve fund and, if so, how to fund it and in what amount;
- (b) prepare and keep minutes of each meeting held under Subsection (6)(a) and indicate in the minutes any decision relating to funding a reserve fund.
- (7) This section applies to each association, regardless of when the association was created.