



SimStudy™



Saturday, February 17, 2007

client name

Sample Client

advisor name

Sample Advisor

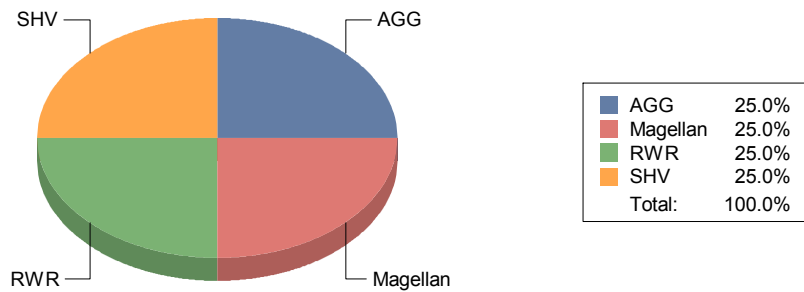


Client Name: Sample Client
 Advisor Name: Sample Advisor

2/17/2007

Synthetic Investment Model - SIM Allocations

SIM Name MgdLgCap



Sub-SIM Name	SIM Value	Asset Class Type
AGG	\$ 100,000.00	Bonds
Magellan	\$ 100,000.00	Large Cap
RWR	\$ 100,000.00	REIT
SHV	\$ 100,000.00	Cash



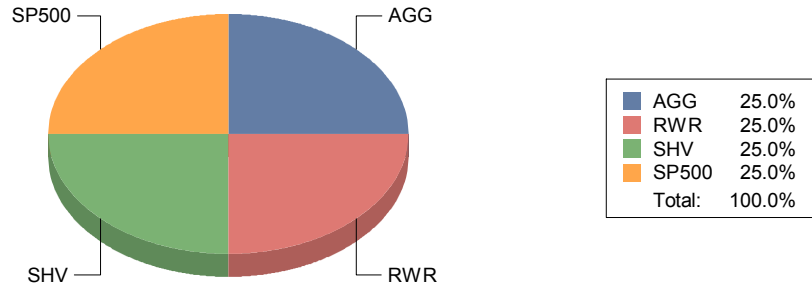
Client Name: Sample Client

Advisor Name: Sample Advisor

2/17/2007

Synthetic Investment Model - SIM Allocations

SIM Name AllIndexes



Sub-SIM Name	SIM Value	Asset Class Type
AGG	\$100,000.00	Bonds
RWR	\$100,000.00	REIT
SHV	\$100,000.00	Cash
SP500	\$100,000.00	Large Cap



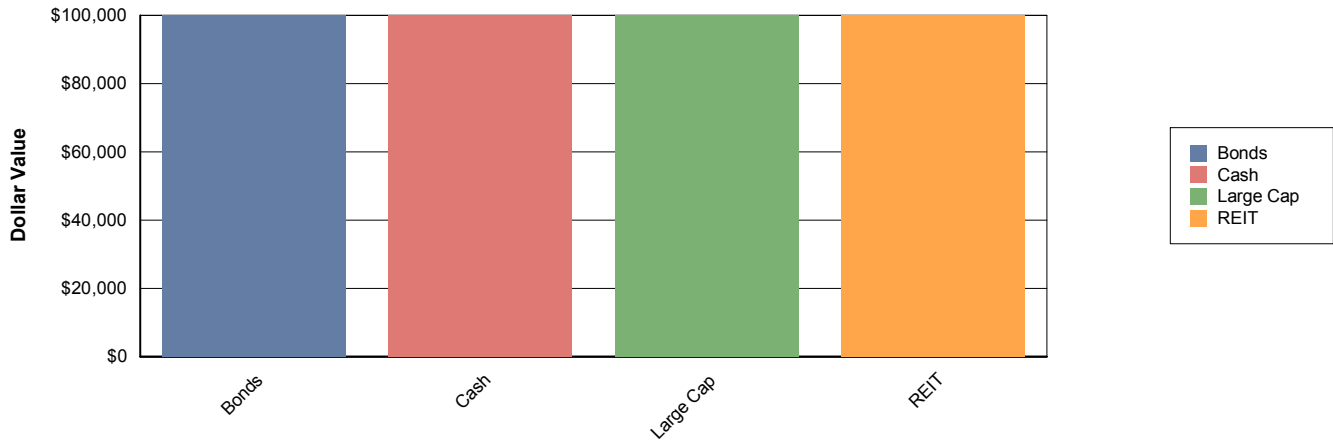
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SIM Name MgdLgCap

SIMs Allocation by Asset Class



SIM Asset Class	Sim Name	Asset Class Value
Bonds		
Bonds	AGG	\$100,000.00
Bonds		\$100,000.00
Cash		
Cash	SHV	\$100,000.00
Cash		\$100,000.00
Large Cap		
Large Cap	Magellan	\$100,000.00
Large Cap		\$100,000.00
REIT		
REIT	RWR	\$100,000.00
REIT		\$100,000.00
Grand Total:		\$400,000.00



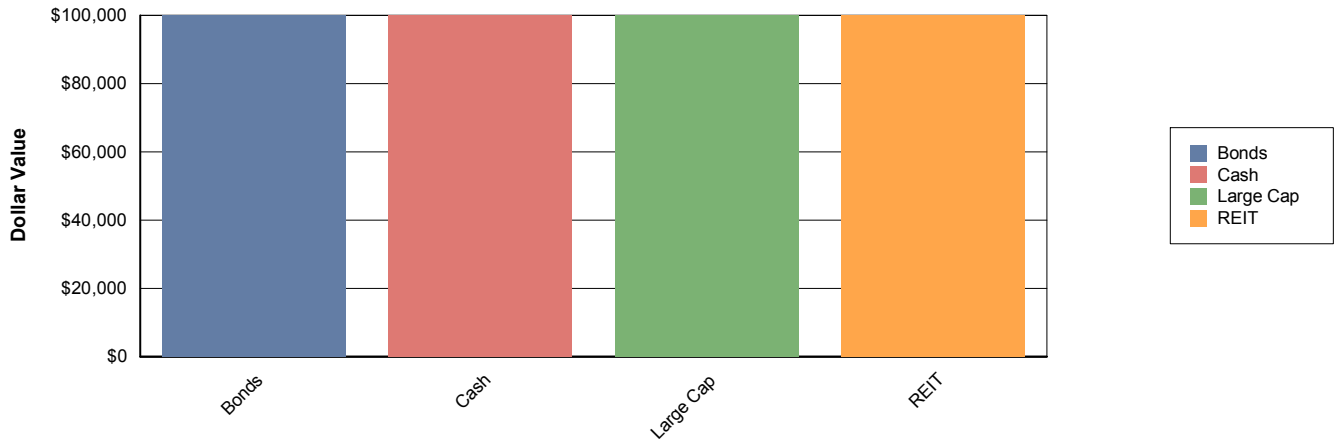
Client Name: Sample Client

Advisor Name: Sample Advisor

2/17/2007

SIM Name AllIndexes

SIMs Allocation by Asset Class



SIM Asset Class	Sim Name	Asset Class Value
Bonds		
Bonds	AGG	100,000.00
Bonds		100,000.00
Cash		
Cash	SHV	100,000.00
Cash		100,000.00
Large Cap		
Large Cap	SP500	100,000.00
Large Cap		100,000.00
REIT		
REIT	RWR	100,000.00
REIT		100,000.00
Grand Total:		400,000.00

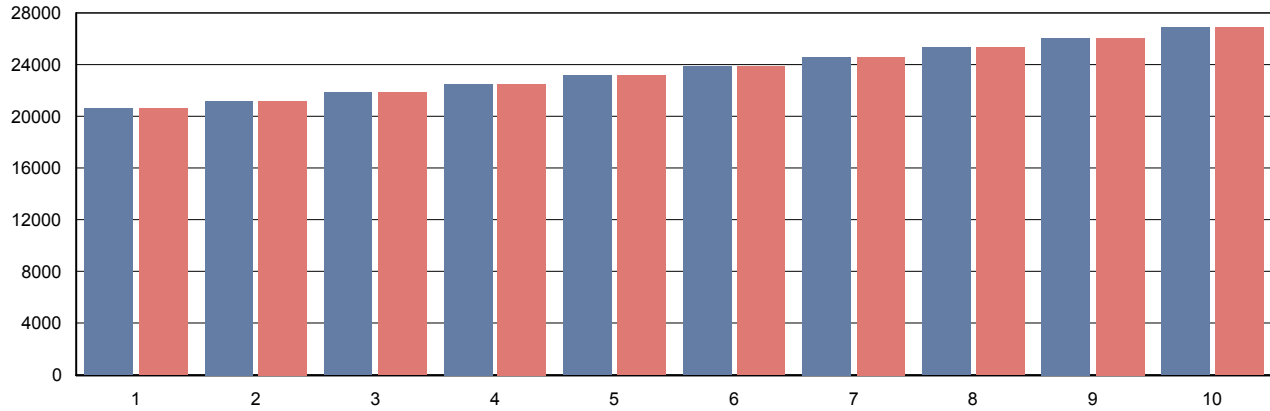


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2/17/2007

Financial Planning Analysis - Annual Withdrawals



Scenario Year

MgdLgCap

AllIndexes

1	\$20,600.00	\$20,600.00
2	\$21,218.00	\$21,218.00
3	\$21,854.54	\$21,854.54
4	\$22,510.18	\$22,510.18
5	\$23,185.48	\$23,185.48
6	\$23,881.05	\$23,881.05
7	\$24,597.48	\$24,597.48
8	\$25,335.40	\$25,335.40
9	\$26,095.46	\$26,095.46
10	\$26,878.33	\$26,878.33

Grand Total:

236,155.92

236,155.92

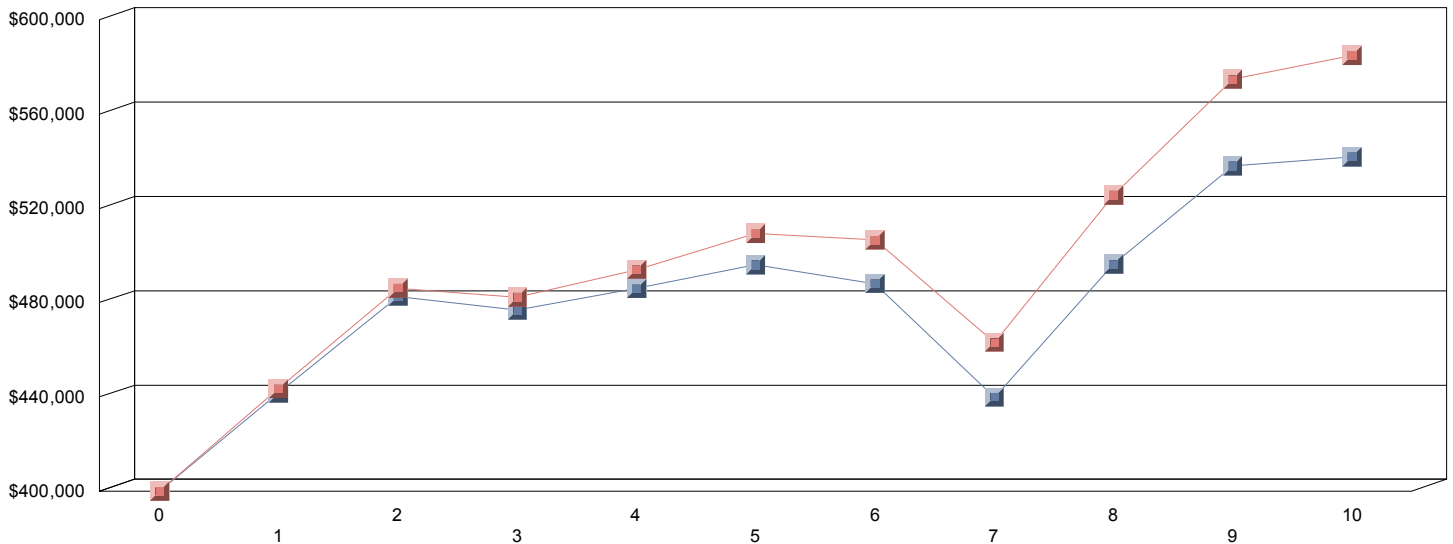


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2/17/2007

Financial Planning Analysis - Annual Values



Scenario Year

MgdLgCap

AllIndexes

0	\$400,000.00	\$400,000.00
1	\$441,642.72	\$443,506.90
2	\$482,656.55	\$486,135.57
3	\$476,851.92	\$482,245.18
4	\$485,973.84	\$494,025.70
5	\$496,135.89	\$509,295.52
6	\$488,086.23	\$506,583.73
7	\$439,915.39	\$463,195.96
8	\$496,277.02	\$525,614.71
9	\$538,036.30	\$574,723.42
10	\$541,871.88	\$584,819.73



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2/17/2007

SIM Index Span - Years

SIM Name MgdLgCap

Index Name	Index Span
LehmanAgg	2006 to 1996
TBills	2006 to 1996
S&P 500	1996 to 2006
DJREIT	1996 to 2006



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SIM Index Span - Years

SIM Name AllIndexes

Index Name	Index Span
LehmanAgg	2006 to 1996
TBills	2006 to 1996
S&P 500	1996 to 2006
DJREIT	1996 to 2006

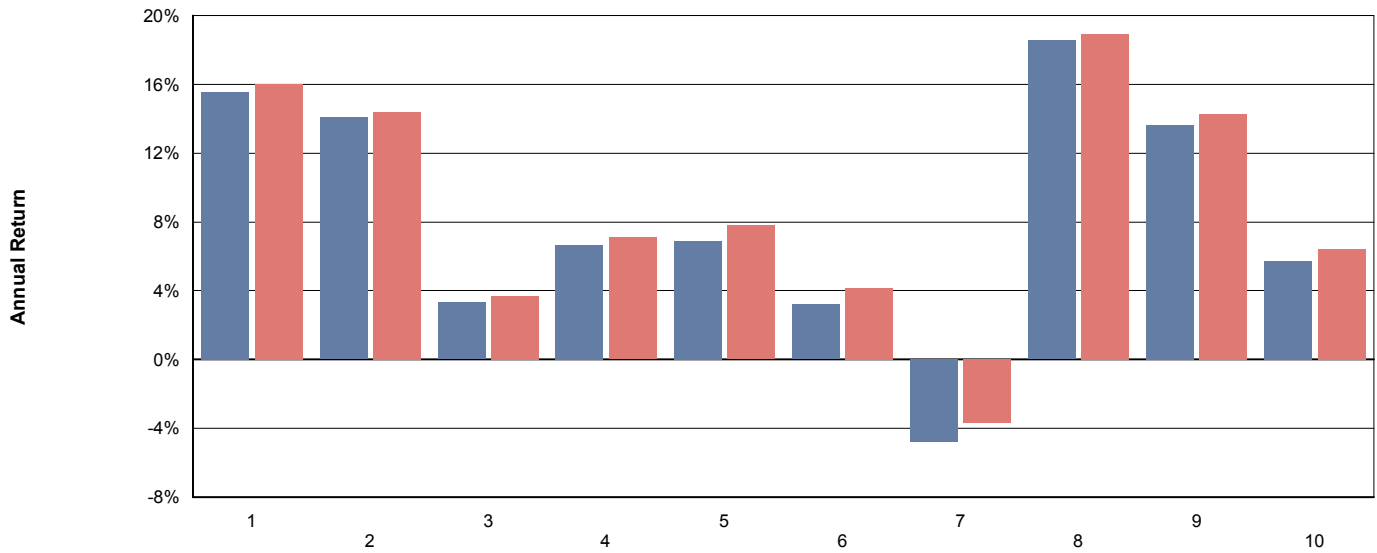


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Financial Planning Analysis - Annual Returns



Scenario Year

MgdLgCap

AllIndexes

1	15.56%	16.03%
2	14.09%	14.40%
3	3.33%	3.70%
4	6.63%	7.11%
5	6.86%	7.78%
6	3.19%	4.16%
7	-4.83%	-3.71%
8	18.57%	18.95%
9	13.67%	14.31%
10	5.71%	6.43%

Simple Average:

8.28%

8.91%

Standard Deviation:

7.11%

6.91%

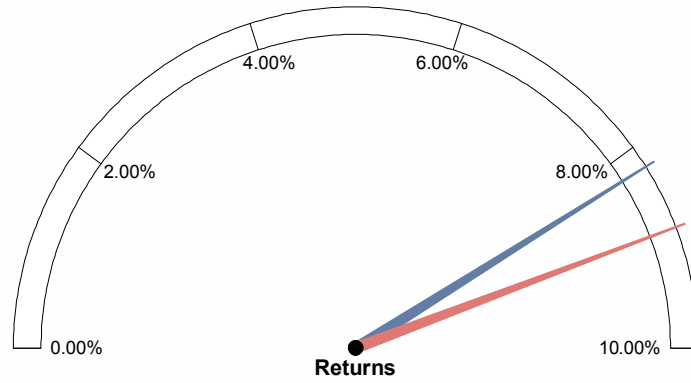


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Financial Planning Analysis - Annualized Returns



Sim Name	Annualized Return
MgdLgCap	8.22%
AllIndexes	8.85%



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2/17/2007

Method of Monte Carlo Simulations - Described

Determining Possible Future Values

It is generally and widely accepted that the stock market, over time, increases in value. But what will your ending value be at the end of the growth period? You can mathematically project a possible future result by either assuming the market index will return a set rate of return each year ("averaging") or selecting returns from within a range of performance ("random generation").

The biggest problem with averaging is it does not account for the fact that the stock market returns fluctuate or can even be negative. Therefore, projected results based on averaging alone are inherently misleading.

Random generation, on the other hand, allows the computer program to select in no particular order each year's return from a range of known historical returns. For example, if an index's performance has historically fallen between 35% and -25% the computer will select at random a number between .35 and -.25 for each year's return in the growth period. The scenario or 'simulated lifetime' is then repeated a large number of times, each time with different results, and the results are compiled. Such simulations are a far more realistic projection of possible future results than averaging.

Today's computers can accomplish the millions of calculations necessary to run a complete 1,000 scenarios within just a few seconds. The computer programs that use random number generation are collectively referred to as "Monte Carlo Simulations". The name comes from the famous games of chance - especially Roulette - that personify the random outcomes that are possible from a known range of numbers.

A Monte Carlo Simulation is therefore about discovering the probability of achieving a desired result.



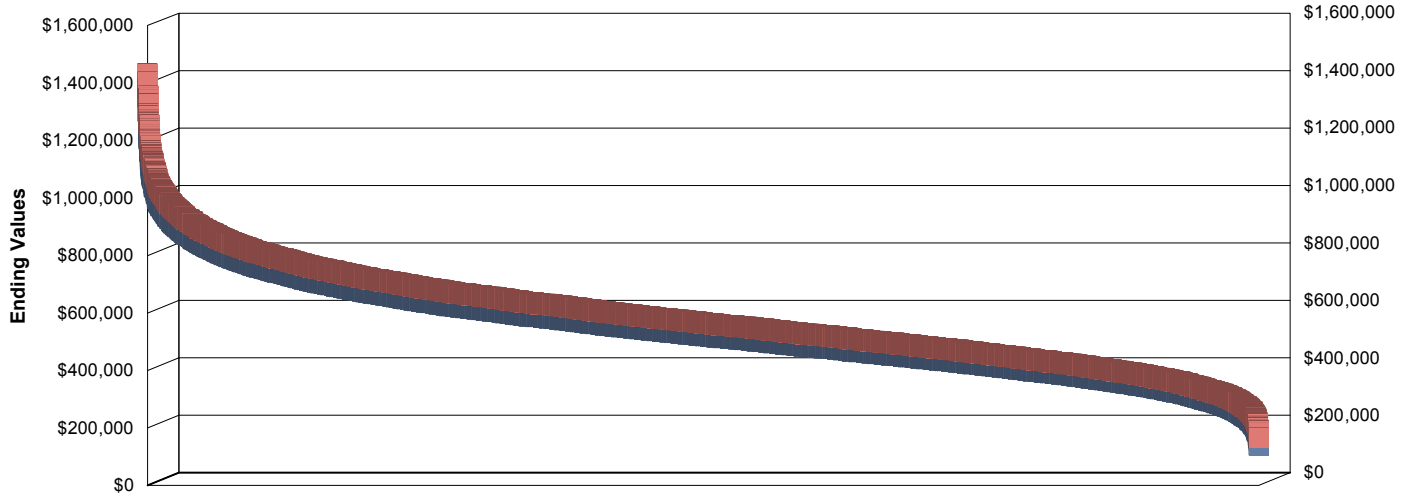
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Monte Carlo Simulations - Financial Statistics

10,000 simulations sorted largest to smallest



	MgdLgCap	AllIndexes
Maximum Value	\$1,378,902.00	\$1,434,352.00
Median Value	\$521,750.40	\$565,389.25
Mode Value	\$335,106.80	\$571,964.30
Average Value	\$540,034.51	\$583,692.19
Minimum Value	\$141,078.80	\$167,767.50
Standard Deviation	\$164,948.70	\$169,984.25
Max 68% Probability	\$704,991.46	\$753,684.93
Min 68% Probability	\$375,077.56	\$413,699.44

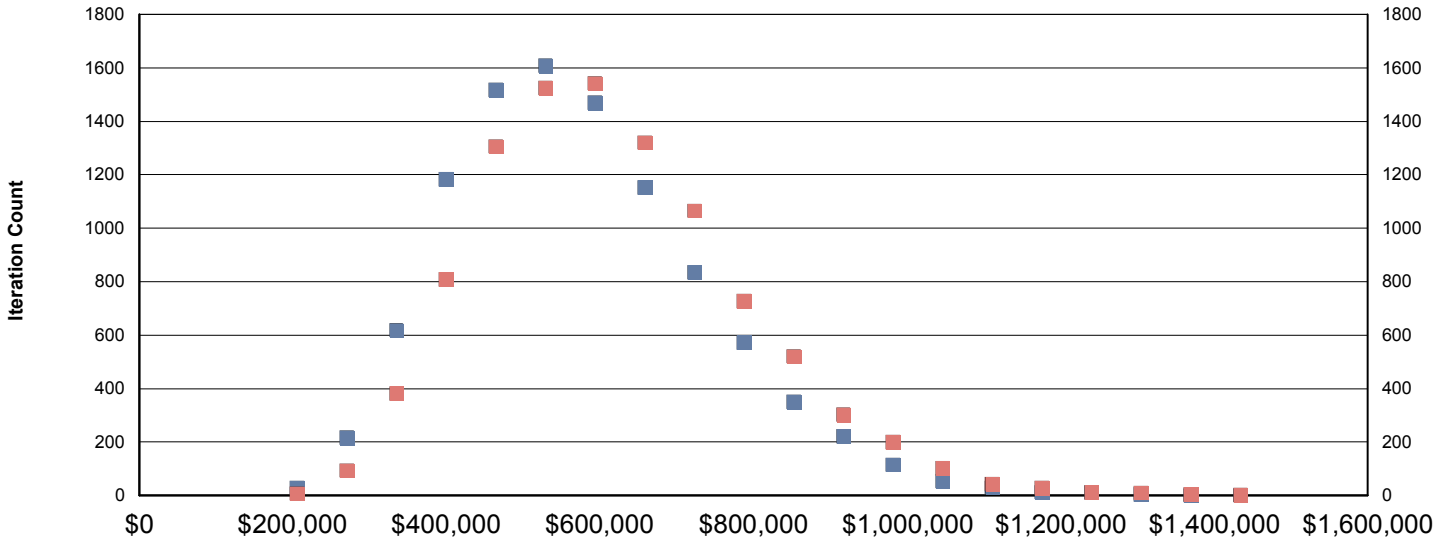


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2/17/2007

Monte Carlo Analysis - Histogram



Probability of Success

Upper Range Value of Results	79.51% MgdLgCap	87.03% AllIndexes
\$1,434,352.17	1	2
\$1,369,688.50	1	4
\$1,305,024.83	4	10
\$1,240,361.16	11	12
\$1,175,697.49	13	28
\$1,111,033.83	29	43
\$1,046,370.16	53	102
\$981,706.49	115	200
\$917,042.82	221	302
\$852,379.15	350	521
\$787,715.48	572	727
\$723,051.81	835	1,065
\$658,388.14	1,152	1,320
\$593,724.47	1,470	1,542
\$529,060.80	1,608	1,524
\$464,397.14	1,518	1,306
\$399,733.47	1,183	809
\$335,069.80	619	381
\$270,406.13	216	94
\$205,742.46	29	8



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2/17/2007

Financial Planning Analysis - Summary Statistics

SIM Name	MgdLgCap	AllIndexes
Historical Hypothetical		
Total Withdrawals	\$236,155.92	\$236,155.92
Starting Value	\$400,000.00	\$400,000.00
Ending Value	\$541,871.88	\$584,819.73
Arithmetic Average	8.28%	8.91%
Standard Deviation	7.11%	6.91%
Annualized Return	8.22%	8.85%
Monte Carlo Simulation		
Max of 68% Probability	\$704,991.45	\$753,684.93
Min of 68% Probability	\$375,077.56	\$413,699.44
Probability of Success	80.00%	87.00%



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2/17/2007

Definitions

<u>Future Value</u>	The dollar value of an investment at some selected time period in the future
<u>Maximum Return</u>	When preparing a Monte Carlo Simulation, the Maximum Return is the largest possible return that can be randomly generated.
<u>Minimum Return</u>	When preparing a Monte Carlo Simulation, the Minimum Return is the smallest possible return that can be randomly generated.
<u>Mean</u>	The calculated average rate of return.
<u>Probability</u>	The likelihood that an illustrated ending value will occur, or that a desired outcome will be achieved.
<u>Random Generation</u>	In forecasting future value, a randomly selected number from within a defined range of numbers is selected as a possible return for each year in the
<u>Simulation</u>	Each instance of the 1,000 times the Monte Carlo software program calculates an investment scenario and arrives at an ending value.
<u>Standard Deviation</u>	Measures 68% of the potential range of annual return variance from the mean.
<u>Time Period Analysis</u>	Historical time span in which the portfolio performance is evaluated.

Disclosures

Stocks are represented by the total return performance of the S&P 500. "S&P 500" is a registered trademark of The McGraw-Hill Companies, Inc.

Bonds are represented by the total return performance of the 10 year Treasury Bond by the United States Government.

Bills are represented by the total return performance of the 3 month Treasury Bills issued by the United States Government.

The EIA asset class is represented by an index credit method strategy called Point to Point. The calculation of the annual returns are based on 50% of the gross S&P 500 index point changes. In keeping with the design of Equity Indexed Annuity return performance, in years that the annual performance of the S&P 500 is negative, a 0% return is credited.

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2/17/2007

Premium Producers Group - EIA Profiles

SIM Name	SP500	Asset Fee	0%	Period Reset	1
Index Name	S&P 500	Par Rate	100%	Bonus Amount	0%
Credit Method	Stock Index	Cap Rate	0%	Bonus Duration	1
		Add'l Criteria	None		
		Cap / Rate	0.0%		



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Managed SIMs Profile Data

Managed SIM Name	AGG	Index Name	LehmanAgg
Beta	1.00	Alpha	0.00%
		Risk Free	0.00%
Managed SIM Name	Magellan	Index Name	S&P 500
Beta	1.06	Alpha	-2.81%
		Risk Free	4.50%
Managed SIM Name	RWR	Index Name	DJREIT
Beta	1.00	Alpha	0.00%
		Risk Free	0.00%
Managed SIM Name	SHV	Index Name	TBills
Beta	1.00	Alpha	0.00%
		Risk Free	0.00%