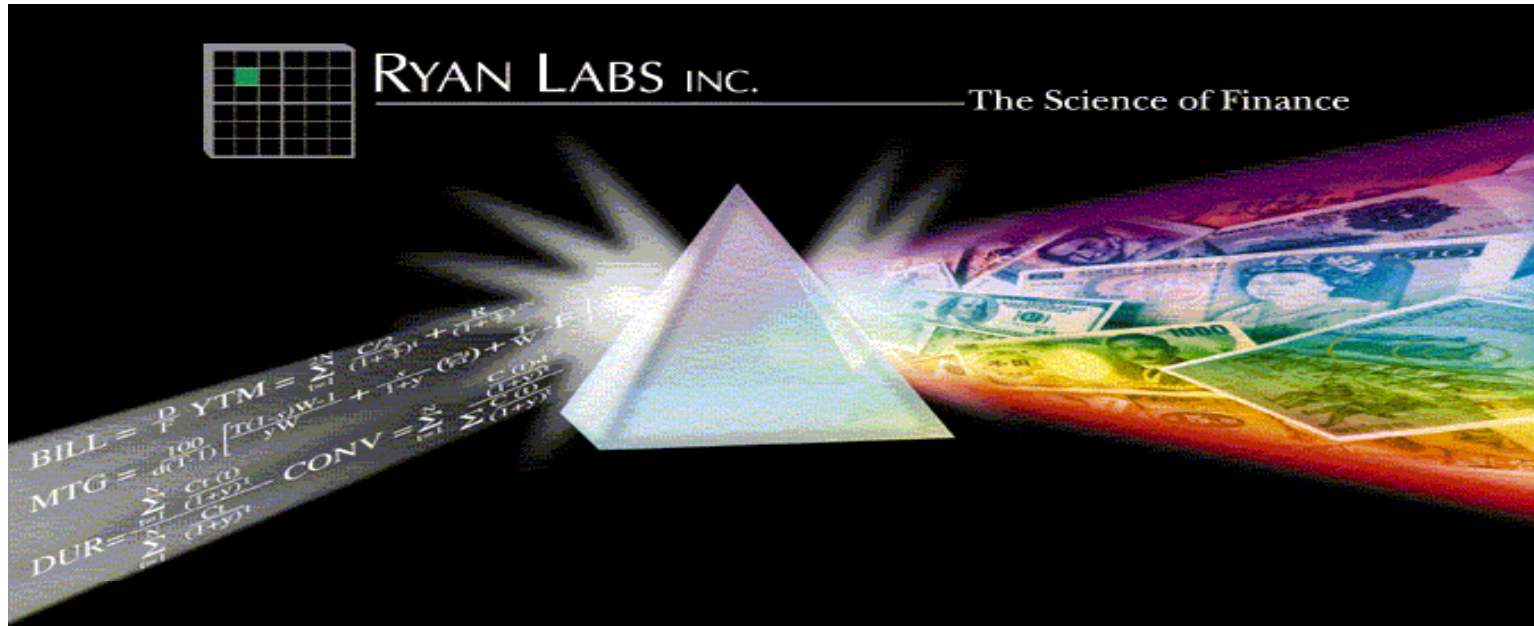


Ryan Labs, Inc.



AIMA

“Innovations in Alternative Investments”

Keynote Discussion

April 27th, 2005

Toronto, Canada

Sean McShea SMcShea@RyanLabs.com (800) 321-2301, 233

YTD Asset \ Liability Watch

(2/28/2005)

Index	Returns YTD 2005	Estimated Weights
Ryan Labs Liability	2.21 %	100 %
Ryan Labs Cash	0.33	5
Lehman Aggregate	0.03	30
S&P 500	- 0.39	60
MSCI EAFE Int'l	2.44	5
Asset Allocation Model	- 0.09	100 %
Assets – Liabilities	- 2.30 %	

Historical Asset \ Liability Watch

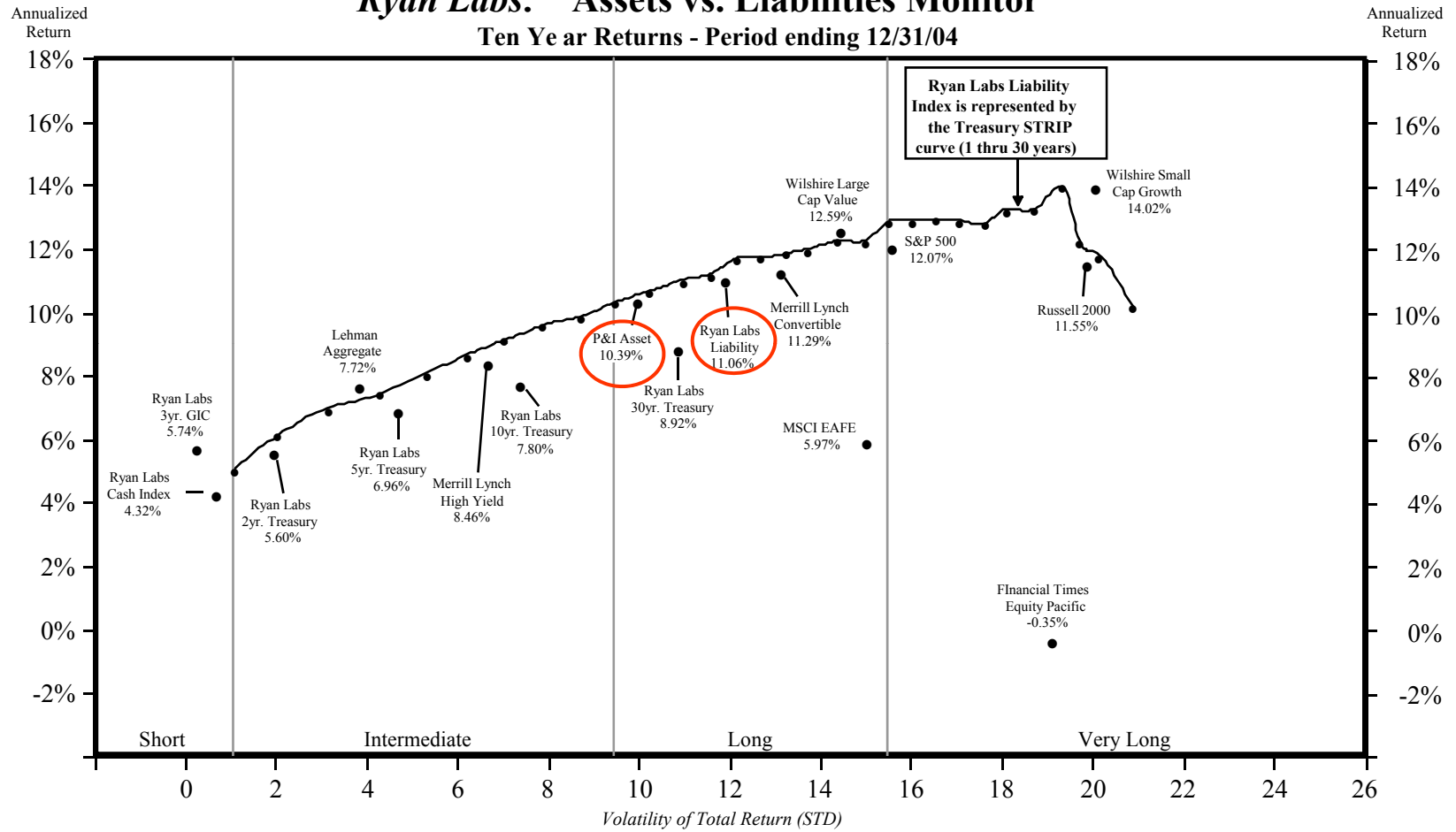
(2/28/2005)

Asset / Liability Watch

Index	Weight	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05
RL CASH	5%	9.34	8.73	7.42	4.12	3.51	3.94	7.11	5.59	5.72	5.48	4.24	6.49	4.97	1.75	1.04	1.22	0.33
LB AGGREGATE	30%	14.53	8.96	16.00	7.40	9.75	-2.92	18.47	3.63	9.65	8.69	-0.82	11.63	8.44	10.25	4.10	4.34	0.03
S&P 500	60%	31.68	-3.15	30.45	7.64	10.07	1.29	37.57	22.93	33.34	28.55	21.03	-9.09	-11.86	-22.08	28.69	10.87	-0.39
MSCI EAFE Int'l	5%	10.80	-23.32	12.48	-11.85	32.95	8.06	11.56	6.37	2.08	20.24	27.32	-13.87	-21.11	-15.64	39.17	20.70	2.44
ASSETS	100%	24.31	0.16	24.13	6.44	10.79	0.55	28.67	15.21	22.98	21.37	13.69	-2.50	-5.40	-11.41	20.04	8.92	-0.09
RL LIABILITIES	100%	25.40	3.23	19.26	7.87	22.46	-12.60	41.16	-3.70	19.63	16.23	-12.70	25.96	3.08	19.47	1.96	9.76	2.21
Assets - Liabilities		-1.09	-3.07	4.87	-1.43	-11.67	13.15	-12.49	18.91	3.35	5.14	26.39	-28.46	-8.48	-30.88	18.08	-0.84	-2.30
Surplus/ (Deficit)	100.00	98.91	95.87	100.54	99.10	87.54	99.05	86.68	103.07	106.52	112.00	141.55	101.27	92.68	64.06	75.64	75.01	73.28

Ryan Labs: Assets vs. Liabilities Monitor

Ten Year Returns - Period ending 12/31/04



Sources: Ryan Labs, Inc. - Standard & Poor's Corporation - Lehman Brothers - Merrill Lynch - Morgan Stanley Capital International - Frank Russell Company - Financial Times - Wilshire Asset Management - Crandall, Pierce & Company

The information presented herein was compiled from sources believed to be reliable. It is intended for illustrative purposes only, and is furnished without responsibility for completeness or accuracy.

Past performance does not guarantee future results.

Performance Attribution last 10 years

(12/31/2004)

Ryan Labs, Inc.

----- PASS - Risk/Reward Measurements ----- 12/31/04

Horizon : 12/31/94 to 12/31/04	P&I Asset	RL Liability (Benchmark)	Difference
<u>RISK</u>			
1. Annualized Standard Deviation %	10.00	11.94	-1.94
2. Minimum Periodic Return %	-8.76	-12.22	3.46
3. Maximum Periodic Return %	6.48	11.15	-4.67
4. Volatility to Benchmark (Beta)	0.02		
5. R-Square %	0.1		
6. Correlation %	2.6		
7. STD of Differential Return bp	444		
8. Tracking Deviation bp	330		
9. Shortfall Frequency %	50.8		
10. Average Shortfall bp	331		
<u>REWARD</u>			
11. Annualized Total Return %	10.39	11.06	-0.67
12. Average Periodic Return bp	87	94	-7
13. Cumulative Total Return %	168.76	185.60	-16.84
14. Excess Return Frequency %	49.2		
15. Average Excess Return bp	329		
<u>RISK ADJUSTED RETURN</u>			
16. Sharpe's Ratio (old)	0.62	0.58	0.04
17. Sharpe's Ratio (new)	-0.05		

All series and calculations are based upon Monthly returns

Performance Attribution last 15 years

(12/31/2004)

Ryan Labs, Inc.

----- PASS - Risk/Reward Measurements ----- 12/31/04

Horizon : 12/31/89 to 12/31/04	P&I Asset	RL Liability (Benchmark)	Difference
<u>RISK</u>			
1. Annualized Standard Deviation %	9.59	11.91	-2.32
2. Minimum Periodic Return %	-8.76	-12.22	3.46
3. Maximum Periodic Return %	8.04	11.15	-3.11
4. Volatility to Benchmark (Beta)	0.19		
5. R-Square %	5.5		
6. Correlation %	23.5		
7. STD of Differential Return bp	387		
8. Tracking Deviation bp	287		
9. Shortfall Frequency %	51.1		
10. Average Shortfall bp	284		
<u>REWARD</u>			
11. Annualized Total Return %	9.61	9.79	-0.18
12. Average Periodic Return bp	81	84	-3
13. Cumulative Total Return %	296.23	305.94	-9.72
14. Excess Return Frequency %	48.9		
15. Average Excess Return bp	290		
<u>RISK ADJUSTED RETURN</u>			
16. Sharpe's Ratio (old)	0.53	0.44	0.09
17. Sharpe's Ratio (new)	-0.03		

All series and calculations are based upon Monthly returns

Pension Crisis

Financial and Funding Problem

- 1. Earnings Drag**
- 2. Higher Contributions**
- 3. Higher Variable PBGC Premiums**
- 4. Lower Funding Status (*Negative Leverage*)**

Pension Crisis Cause

1. **Asset Only Framework**
2. **Traditional Asset Allocation using “Mean Variance”**
3. **Actuarial Smoothing Practices**
4. **Accounting Pro forma Return Assumptions**
5. **Reliance on Stable M-V Monte Carlo Statistics**
6. **Lack of Financial Economics in Prevailing Pension Practices**

Pension Solution

1. **Transparency + Fair Value Accounting**
2. **Asset/Liability Risk Management**
3. **Focus on Asset Allocation (*Strategic/Tactical*)**

What do you need from your alpha strategy?

Assume Actuarial Expected Return on Assumption = 8.0%

Asset Allocation = 50.00% in Lehman Aggregate Bonds

Expected Bond = 4.50% expected return

Expected Non Bond = 11.50%

Pension Funding = 75.00% funding

Return Required on Available Assets = $11.50\% / 75\% = 15.33\%$

RL Portable Alpha

Problems with Traditional Definition of Portable Alpha

- 1. Loosely Defined Process**
- 2. Difficult measuring performance**
- 3. Difficult comparing strategies**
- 4. Leverage not allowed by Investment Policy Stmt.**
- 5. Not widely practiced**
- 6. Asset only framework**

Ryan Labs Portable Alpha

We define Active Management as the sum of 3 portfolios

- 1. An Index Portfolio (*Liability index portfolio*)**
- 2. A Market Neutral Long \ Short Portfolio (**Pure Alpha**)**
- 3. Excess Liabilities = Negative Beta (*Offset by +Alpha*)**
- 4. Benefits**

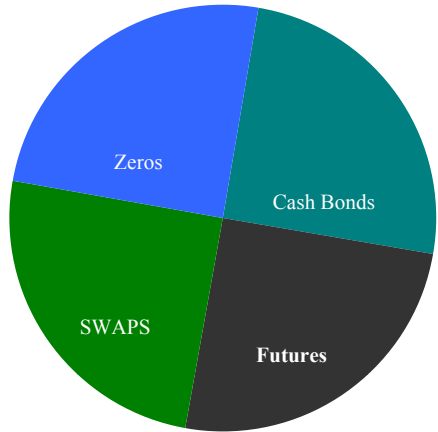
Obeys the client objective ... Liabilities

Process Driven

Daily performance measurement (Absolute and Funding)

Economic Focus

Ryan Labs Portable Alpha



BETA (LIABILITY) PORTFOLIO

- Zeros
- Cash Bonds
- Futures
- SWAPS



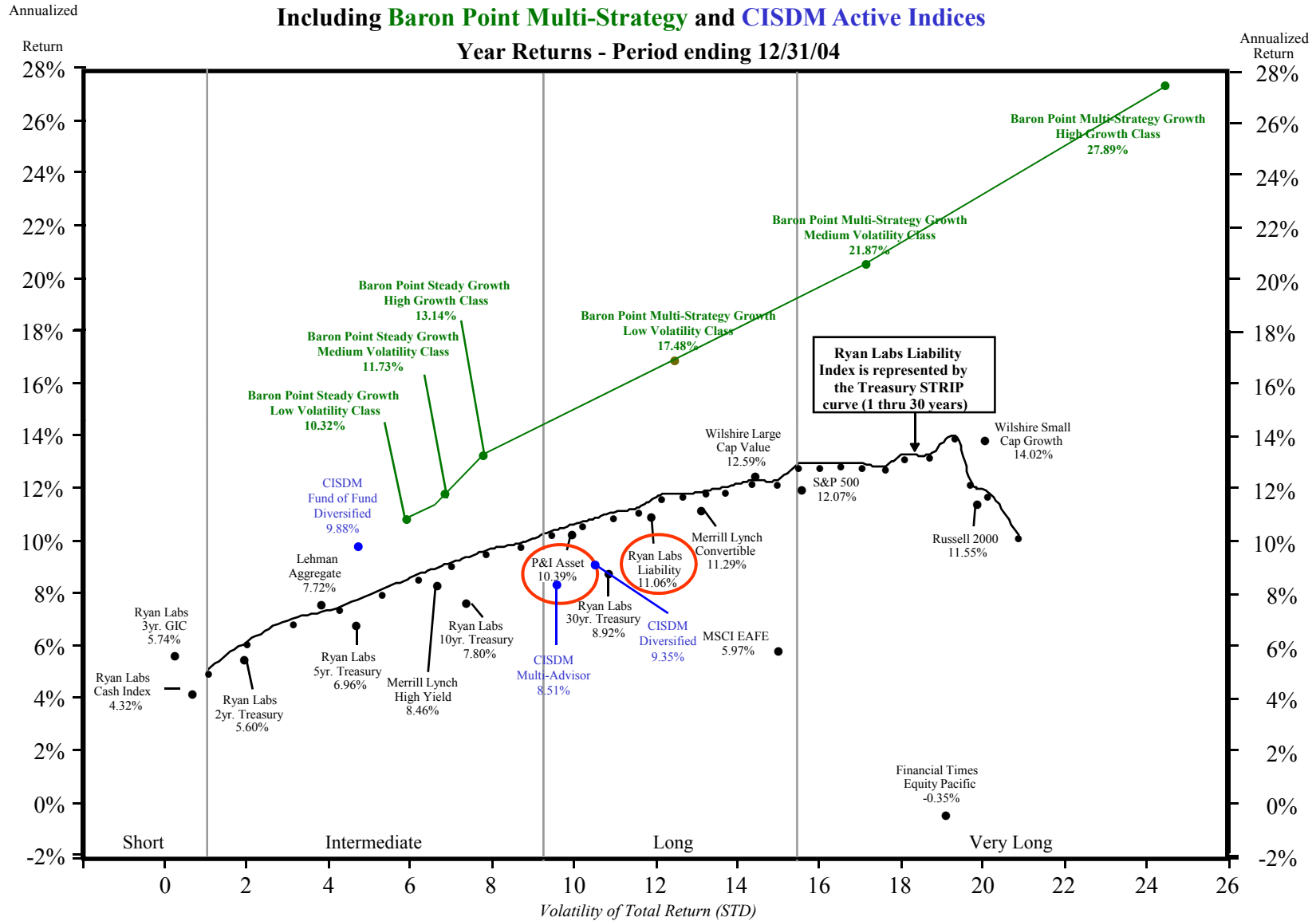
ALPHA PORTFOLIO

(Baron Point Multi-Strategy Components)

- Core Fixed Income
- Diversified Real Assets
- Disruptive Events Risk Overlay
- Global-Macro
- Aggressive Growth Equity
- Opportunistic Long/Short Equity

Ryan Labs: Assets vs. Liabilities Monitor

Including Baron Point Multi-Strategy and CISDM Active Indices

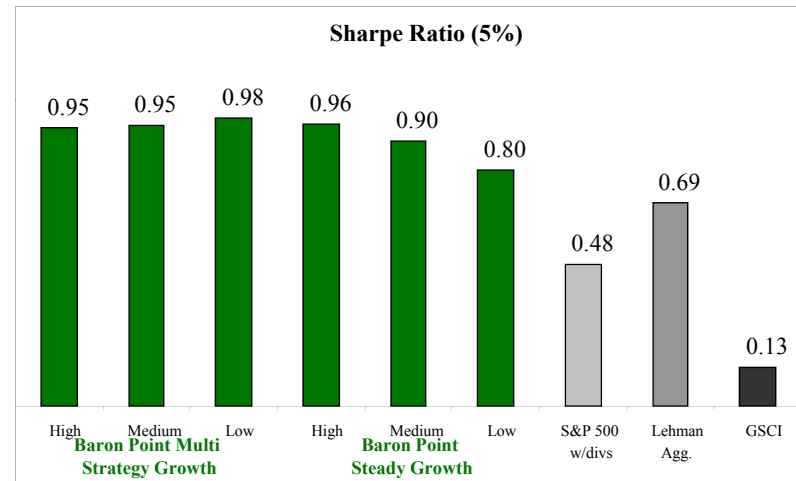
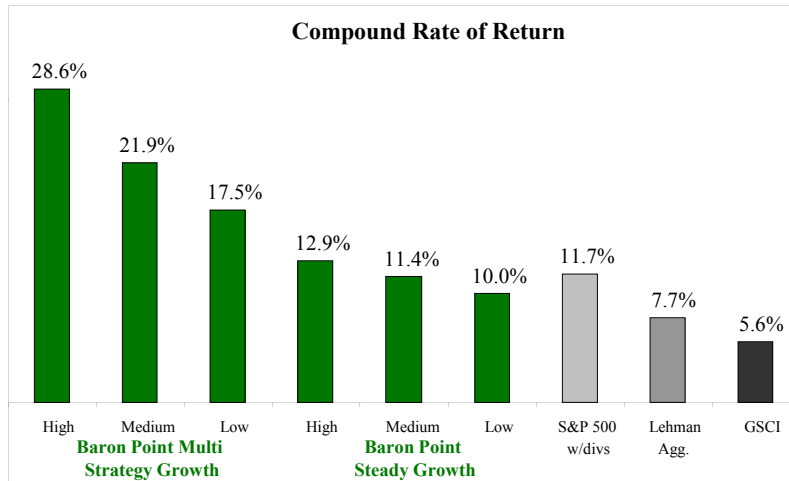


Sources: Ryan Labs, Inc.- Baron Point Financial, Ltd. – CISDM Active Indices, The University of Massachusetts, Amherst - Standard & Poor's Corporation - Lehman Brothers - Merrill Lynch - Morgan Stanley Capital International - Frank Russell Company - Financial Times - Wilshire Asset Management - Crandall, Pierce & Company. The information presented herein was compiled from sources believed to be reliable. It is intended for illustrative purposes only, and is furnished without responsibility for completeness or accuracy. **Past performance does not guarantee future results.**

Multi-Strategy Hedge Funds

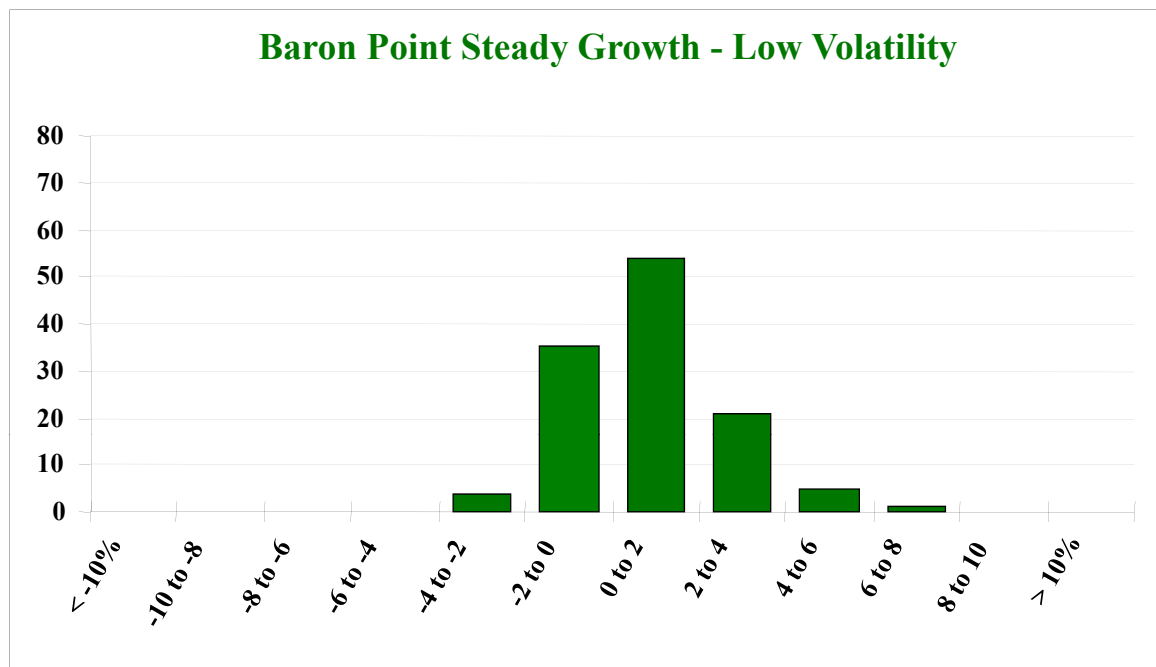
Deliver Superior Risk-Adjusted Returns

(Ten-Year Data)



Distribution of Returns: Ten-Year Data

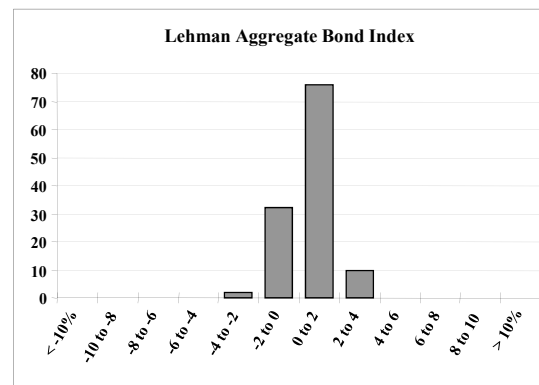
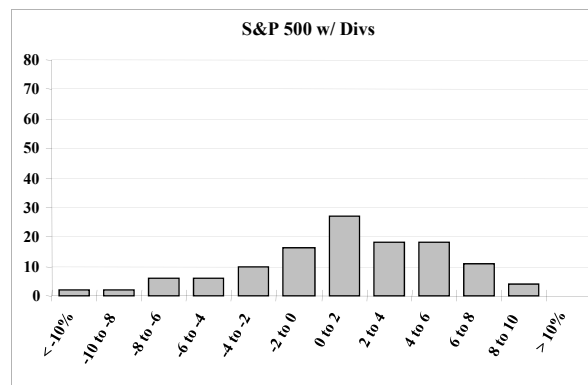
Stability



Varied

Vs.

Capped



Deficit Reduction Strategy

- 1. Economic Solvency (Marked to Market)**
- 2. Cash Flow Budgeting**
- 3. Buy Time**
- 4. Liability Portfolio = Beta Portfolio**
Liability Matching Strategies (Zeros, Cash Bonds, Futures, Swaps)
- 5. Sources of Alpha**
Conventional and Alternative Asset Classes (Low correlation)
- 6. Harvest Alpha**
Raise Beta Returns and Elevate the Yield Platform