

AAll - Houston

AGENDA 04-20-24

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09:30 Income Sig Update
Frank Erzinger

10:30 Outlook for Value vs Growth Assets
Brent Leadbetter – Solutions Distribution
Research Affiliates, RAllc.com

THE INCOME CHALLENGE

- ▶ **1. HyInc* PORTFOLIO UPDATE**
- ▶ **2. SIMULATION - OUTLOOK & OPPORTUNITY**
- ▶ **3. NEXT STEPS**

- Appendix A Hybrid Income* - Preserve Principal, Maintain Income, Sustain Portfolio

THE INCOME ASSET CHALLENGE

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WHICH ASSETS, WHICH MARKETS?

- ▶ MARKET HEDGE – Gold
- ▶ EQUITY
- ▶ FIXED INCOME
- ▶ ALTERNATIVES – OTHER

...MEET INCOME OBJECTIVES?

- ▶ PRESERVE PRINCIPAL*
- ▶ MAINTAIN INCOME*
- ▶ SUSTAIN PORTFOLIO**

▶ *short term 1-3yr, ** long term 10yr

Inc SIG – Hybrid-Income – The Process

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▶ OBJECTIVES

- Preserve Principal, Maintain Income, Sustain Portfolio
- Monthly Income via Dividends, Options ... & Price Δ

ANALYTIC SEQUENCE;

▶ Assets

- Simulate Return, Risk, Performance of Asset Classes

▶ Constraints

- Constrain Assets via Forward Outlook

▶ Positions

- Select ETF's, Tickers in 1/2 of Industry Benchmark(s);
- 1st etfs or mfunds, 2nd Position - Company's
- Morningstar >3 or C+
- Rank Order Selection via Dividend & Option Income;
- Dividend a f(Cash Flow, Inc Stmt Growth, B.Sheet Debt)
- Company Risk Adjusted Returns, Drawdowns
- Momentum -> Entry/Exit – etf, equity, options

1. UPDATE – HyInc 2022-2024q1 by Asset Class

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				2024			
Date->	<u>12/31/2022</u>		<u>12/31/2023</u>	<u>1/31/2024</u>	<u>2/29/2024</u>	<u>3/31/2024</u>	<u>4/15/2024</u>
Hy Inc Asset Class	<u>Portfolio %</u>		<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
A. Gold	16%		14%	13%	4%	4.0%	11%
C. US Large Cap Growth	10%		16%	16%	17%	17%	21%
B. US Large Cap Value	36%		34%	34%	34%	34%	27%
D. US Large Cap						4%	12%
E. Short Term Treasury	38%		36%	37%	36%	5%	5%
E. 10 Year Treasury					9%	9%	8%
Corporate Bonds						18%	10%
High Yield Corp Bonds						9%	6%
Total	100%		100%	100%	100%	100%	100%
Return %	7.9%		9.2%	9.9%	9.1%	10.45%	12.2%
δ Stdev	9.5%		9.9%	9.7%	9.6%	12.21%	12.8%
Sharpe Ratio	0.72		0.74	0.80	0.75	0.69	0.79
		<u>Return</u>					
\$k Portfolio	\$ 689	9.7%	\$ 756	\$ 757	\$ 778	\$ 805	

1. UPDATE – ASSET CORRELATIONS

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Asset Correlations											
						Short Term Treasury				High Yield Corporate Bonds	
Asset	Gold	US Large Cap Growth	US Large Cap Value	US Large Cap				10-year Treasury	Corporate Bonds	Corporate Bonds	
Gold	1.00	0.27	0.19	0.26		0.42		0.42	0.45	0.31	
US Large Cap Growth	0.27	1.00	0.76	0.95		0.29		0.35	0.71	0.79	
US Large Cap Value	0.19	0.76	1.00	0.92		0.08		0.05	0.54	0.77	
US Large Cap	0.26	0.95	0.92	1.00		0.21		0.23	0.68	0.83	
Short Term Treasury	0.42	0.29	0.08	0.21		1.00		0.88	0.68	0.37	
10-year Treasury	0.42	0.35	0.05	0.23		0.88		1.00	0.77	0.34	
Corporate Bonds	0.45	0.71	0.54	0.68		0.68		0.77	1.00	0.80	
High Yield Corporate Bonds	0.31	0.79	0.77	0.83		0.37		0.34	0.80	1.00	

02/29/2024 END - BEG Mar

TARGET - March

3/31/2024 END - BEG Apr

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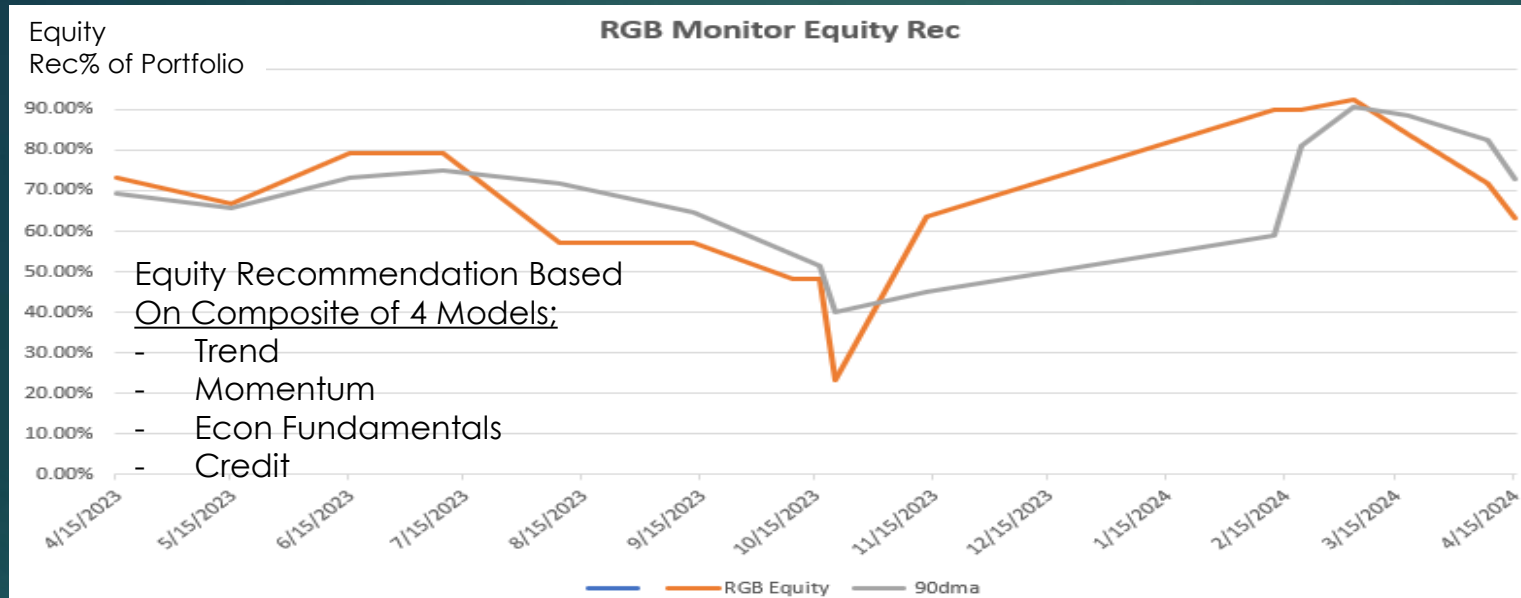
1. UPDATE
- March

ticker	to share	\$sh	\$ end Mo		Asset Class	\$ end Mo	pct	\$ Δ	
GOLD	2,195	\$ 14.55	\$ 32,193		ALT C-14	\$ 37,025			GOLD Barrick Gold Corp
HEDGE			\$ 32,193	4.1X	HEDGE	\$ 37,025	4.6%	\$ 4,831	
ENFR	1,172	\$ 23.75	\$ 27,847	3.5X	US LG CAP VAL Sect Energy MLP	\$ 29,769	3.7%	\$ 1,922	ENFR Alerian Energy
DUK	244	\$ 31.83	\$ 22,407	2.3X	US LG CAP VAL Sect Utility	\$ 23,441	2.9%	\$ 1,035	DUK Duke Power
EOG	155	\$ 114.45	\$ 17,856	2.8X	US LG CAP VAL Sect Energy	\$ 20,107	2.5%	\$ 2,251	EOG Euron Oil & Gas
EMR	322	\$ 105.85	\$ 34,406	4.4X	US LG CAP VAL Sect Industrial	\$ 36,560	4.5%	\$ 2,154	EMR Emerson Electric Co.
EPD	1,843	\$ 27.45	\$ 28,630	3.7X	US LG CAP VAL Sect Energy MLP	\$ 30,633	3.8%	\$ 2,003	EPD Enterprise
KLAC	138	\$ 132.31	\$ 94,157	12.1X	US LG CAP GROWTH	\$ 98,101	12.2%	\$ 3,944	KLAC KLA Corporation
KMI	1,485	\$ 17.33	\$ 24,433	3.1X	US LG CAP VAL Sect Energy	\$ 25,866	3.2%	\$ 1,433	KMI Kinder Morgan
MRK	318	\$ 125.35	\$ 38,916	5.8X	US LG CAP VAL Sect Health	\$ 40,345	5.0%	\$ 1,429	MRK Merck & Co., Inc.
PXD	114	\$ 232.53	\$ 26,520	3.4X	US LG CAP VAL Sect Energy	\$ 30,091	3.7%	\$ 3,572	PXD Pioneer
RHHBY	514	\$ 31.48	\$ 19,280	2.5X	US LG CAP VAL Sect Mat'l'r	\$ 19,617	2.4%	\$ 338	RHHBY Roche Holding AG
STX	415	\$ 33.85	\$ 38,709	5.8X	US LG CAP GROWTH	\$ 38,180	4.7%	\$ (528)	STX Seagate Technology Holdi
WLKP	1,119	\$ 22.24	\$ 24,887	3.2X	US LG CAP VAL Sect Mat'l'r	\$ 24,875	3.1%	\$ (11)	WLKP Westlake Polymer
					US LG CAP GROWTH			\$ 19,541	
					US STOCK MKT Options	\$ 50,741	6.3%		JEPI JP Morgan Prem Income
EQUITY			\$ 398,045.98	34.2X	EQUITY	\$ 468,328	58.2%	\$ 70,282	
				34.1X			41.2%		
BIL	1,833	\$ 91.29	\$ 277,460	35.7X	FIXING GOVT NOTE 5Term Treasury	\$ 77,766	9.7%	\$ (199,695)	BIL 13 wk T Mater
CASH-13wk Tbill			\$ 277,460	35.7X	CASH-13wk Tbill	\$ 77,766	9.7%	\$ (199,695)	
TLT	758	\$ 32.24	\$ 69,180	8.3X	FIXING GOVT BOND 20yr Tr	\$ 69,413		\$ 233	TLT i Shares 20 yr Treasury
					FIXING CORP BOND MidTerm	\$ 50,345		\$ 50,345	IGIB i Shares Corporate Bon
					FIXING CORP BOND MidTerm	\$ 50,382		\$ 50,382	FTSL First Trust Sr Loans
					FIXING CORP High Yield	\$ 50,393		\$ 50,393	IBHD i Shares High Yield
FIXED INCOME	FX INC ->		\$ 69,180		FIXED INCOME	\$ 220,533	27.4%	\$ 151,353	
Cash Bal			\$ 985	8.1X		\$ 1,662	0.2%	\$ 678	
TOTAL			\$ 777,864	100%	TOTAL	\$ 805,314	100%	\$ 27,449	

27,443

2. OUTLOOK – EQUITY

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03-18

88%
84%

04-15

72% 90dma
62% monthly



March

April

80%

51%

2. OUTLOOK EQUITY REC REDUCED ~20%

Equity Allocation – 04/15/24

Equity Allocation Models	Model	Rating	% Equity Allocation
RGB Market Trend Model			16.7%
RGB Market Momentum Model			12.5%
RGB Fundamental Factors Model			17.5%
RGB Credit Conditions Model			16.7%
Model Equity Allocation:			63.3%

Equity Allocation– 03/18/24

Equity Allocation Models	Model	Rating	% equity Allocation
RGB Market Trend Model			25.0%
RGB Market Momentum Model			13.9%
RGB Fundamental Factors Model			20.0%
RGB Credit Conditions Model			25.0%
Model Equity Allocation:			83.9%

Chg fr Last Monitor

positive

negative

Source: RGB Perspectives – 04-15-24, Model Details in Appendix D

2. OPPORTUNITY – APRIL ASSET SIMULATIONS

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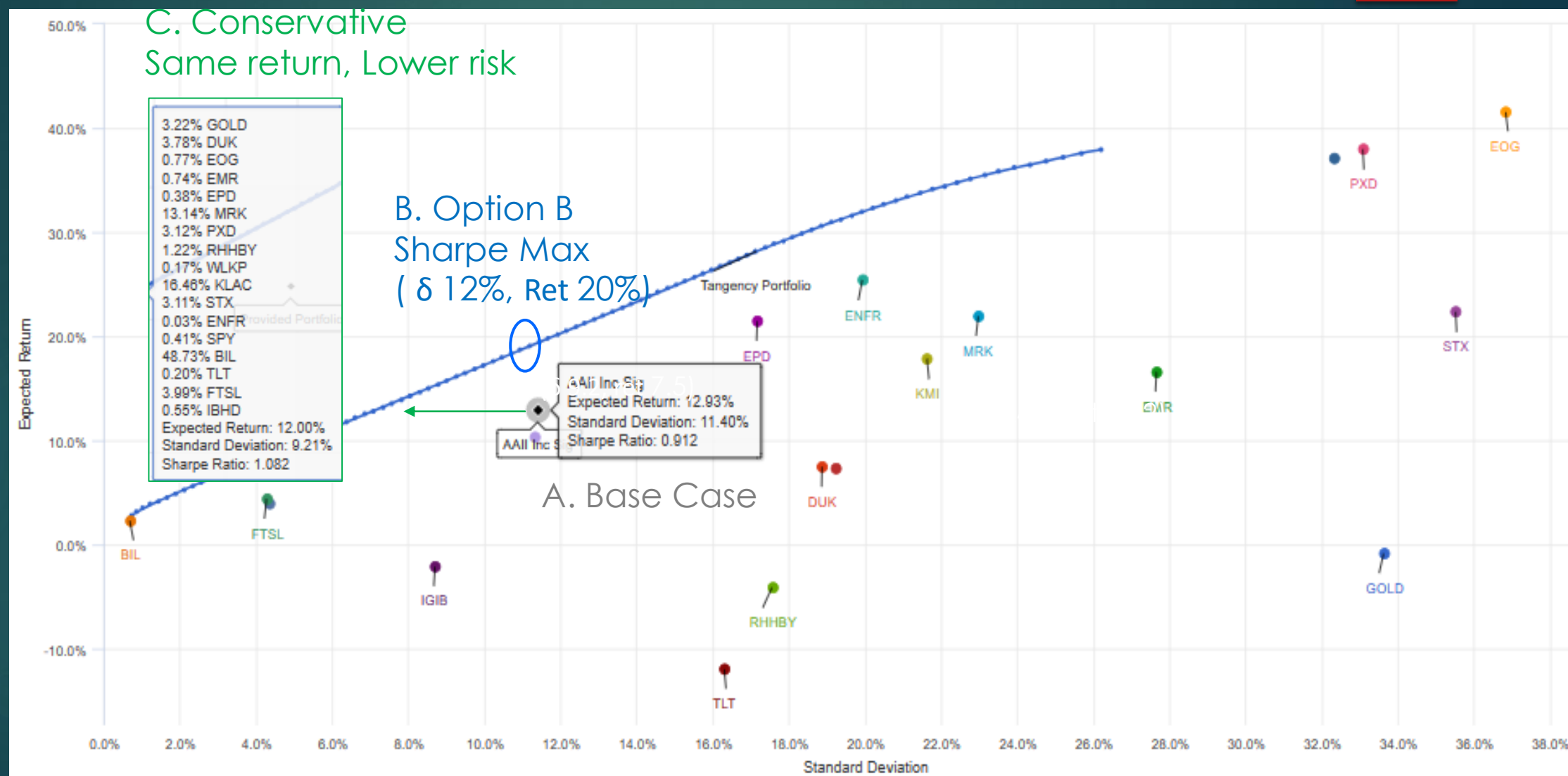
HyInc - Efficient Frontier Assets				Portfolio Simulation						Sim Asset Notes
Asset	Expected Return	Standard Deviation	Sharpe Ratio	Min.	March	st	April Opt	st	Max.	Notes
Gold	11.1%	14.6%	0.62	3%	4.00%		10.77%		15%	> Gold
US Large Cap Growth	20.9%	21.3%	0.89	10%	17.00%		21.52%		25%	> Growth
US Large Cap Value	13.8%	17.5%	0.67	20%	34.00%		26.97%		40%	< Value
US Large Cap	17.4%	18.2%	0.84	2%	4.00%	55%	12.78%	61%	15%	> Large Cap
Short Term Treasury	1.0%	2.2%	-0.49	4%	5.00%		5.01%		10%	
10-year Treasury	0.2%	7.6%	-0.24	7%	9.00%		7.45%		15%	
Corporate Bonds	3.0%	10.4%	0.09	10%	18.00%		10.07%		25%	
High Yield Corporate Bonds	5.2%	8.7%	0.36	5%	9.00%	41%	5.42%	28%	10%	< Fixed Assets
Expected Return					10.46%		12.30%			
Standard Deviation					12.18%		12.94%			
Sharpe Ratio					0.69		0.79			

2. OPPORTUNITY – A. MARCH REC VS B. OPT

Asset	Group	Expected Return	Standard Deviation	Sharpe Ratio	March Rec	Opt Sharp		Ticker
Barrick Gold Corp (GOLD)	CRISIS HEDGE	-0.84%	33.63%	-0.100	4.6%	4.1%	no	GOLD
Duke Energy Corporation (DUK)	US LG CAP VAL	7.48%	18.85%	0.263	2.3%	0.3%	-2%	DUK
EOG Resources Inc (EOG)	US LG CAP VAL	41.54%	36.81%	1.060	2.5%	10.0%	7%	EOG
Emerson Electric Company (EMR)	US LG CAP VAL	16.56%	27.65%	0.507	4.5%	0.2%	-4%	EMR
Enterprise Products Partners LP (EPD)	US LG CAP VAL	21.46%	17.15%	1.104	3.8%	4.7%	1%	EPD
Merck & Company Inc (MRK)	US LG CAP VAL	21.93%	22.96%	0.845	5.0%	14.0%	9%	MRK
Pioneer Natural Resources Co (PXD)	US LG CAP VAL	37.98%	33.07%	1.072	3.7%	7.7%	4%	PXD
Roche Holding Ltd ADR (RHHBY)	US LG CAP VAL	-4.11%	17.56%	-0.378	2.4%	0.2%	-2%	RHHBY
Westlake Chemical Partners LP (WLKP)	US LG CAP VAL	7.32%	19.22%	0.249	3.1%	0.1%	-3%	WLKP
Alerian Energy Infrastructure ETF (ENFF)	US LG CAP VAL	25.42%	19.92%	1.149	3.7%	0.6%	-3%	ENFR
Kinder Morgan Inc (KMI)	US LG CAP VAL	17.84%	21.61%	0.708	3.2%		-3%	KMI
	ST				34.2%	37.8%	3.6%	
KLA-Tencor Corporation (KLAC)	US LG CAP GROWTH	37.09%	32.31%	1.069	12.2%	18.8%	7%	KLAC
Seagate Technology PLC (STX)	US LG CAP GROWTH	22.37%	35.50%	0.559	4.7%	5.3%	1%	STX
	ST				16.9%	24.0%	7.1%	
JPMorgan Equity Premium Income ETF	US LG CAP	10.33%	11.31%	0.689	6.3%	4.0%	-2.3%	JEPI
SPDR Blmbg 1-3 Mth T-Bill ETF (BIL)	FX INC GOVT	2.28%	0.68%	-0.365	10.0%	16.5%	6.5%	BIL
iShares 20+ Year Treasury Bond ETF (T)	FX INC GOVT	-11.94%	16.29%	-0.888	7.0%		-7%	TLT
iShares 5-10 Year invmt Grd Corp Bd ETI	FX INC CORP	-2.11%	8.69%	-0.534	7.0%		-7%	IGIB
First Trust Senior Loan ETF (FTSL)	FX INC CORP	4.38%	4.27%	0.434	7.0%	12.6%	6%	FTSL
iShares iBonds 2024 Term HY and Inc E	FX INC CORP	3.94%	4.34%	0.325	7.0%	1.1%	-6%	IBHD
					28.0%	13.7%	-10.2%	
				Est Return	12.93%	20.84%		
				Std Dev	11.40%	12.67%		
				Sharpe Ratio	0.91	1.45		

Source: AAll IncSig, ef* Efficient Frontier, PortfolioVisualizer, * Represented as Types of Assets

2. OPPORTUNITY – A & B VS C. CONSERVATIVE



3. NEXT STEPS – APRIL HyInc SIM & RECs

Asset	Group	Expected Return	Standard Deviation	Sharpe Ratio			March Rec		Opt Sharp		Ticker	April Next Steps
Barrick Gold Corp (GOLD)	CRISIS HEDGE	-0.84%	33.63%	-0.100			4.6%		4.1%	no	GOLD	ok
Duke Energy Corporation (DUK)	US LG CAP VAL	7.48%	18.85%	0.263			2.3%		0.3%	-2%	DUK	Exit
EOG Resources Inc (EOG)	US LG CAP VAL	41.54%	36.81%	1.060			2.5%		10.0%	7%	EOG	Increase - Div & Corr Good
Emerson Electric Company (EMR)	US LG CAP VAL	16.56%	27.65%	0.507			4.5%		0.2%	-4%	EMR	Check vs Other Div, Correl
Enterprise Products Partners LP (EPD)	US LG CAP VAL	21.46%	17.15%	1.104			3.8%		4.7%	1%	EPD	Ok
Merck & Company Inc (MRK)	US LG CAP VAL	21.93%	22.96%	0.845			5.0%		14.0%	9%	MRK	Check HC Div Stocks
Pioneer Natural Resources Co (PXD)	US LG CAP VAL	37.98%	33.07%	1.072			3.7%		7.7%	4%	PXD	Check vs Other Div, Correl
Roche Holding Ltd ADR (RHHBY)	US LG CAP VAL	-4.11%	17.56%	-0.378			2.4%		0.2%	-2%	RHHBY	Check vs Other Div, Correl
Westlake Chemical Partners LP (WLKP)	US LG CAP VAL	7.32%	19.22%	0.249			3.1%		0.1%	-3%	WLKP	Check vs Other Div, Correl
Alerian Energy Infrastructure ETF (ENFF)	US LG CAP VAL	25.42%	19.92%	1.149			3.7%		0.6%	-3%	ENFR	Check vs Other Div, Correl
Kinder Morgan Inc (KMI)	US LG CAP VAL	17.84%	21.61%	0.708			3.2%			-3%	KMI	Check vs Other Div, Correl
	ST						34.2%		37.8%	3.6%		
KLA-Tencor Corporation (KLAC)	US LG CAP GROWTH	37.09%	32.31%	1.069			12.2%		18.8%	7%	KLAC	Call Option Exit
Seagate Technology PLC (STX)	US LG CAP GROWTH	22.37%	35.50%	0.559			4.7%		5.3%	1%	STX	Call Option Exit
	ST						16.9%		24.0%	7.1%		
JPMorgan Equity Premium Income ETF	US LG CAP	10.33%	11.31%	0.689			6.3%	109%	4.0%	-2.3%	JEPI	Ignore
SPDR Blmbg 1-3 Mth T-Bill ETF (BIL)	FX INC GOVT	2.28%	0.68%	-0.365			10.0%		16.5%	6.5%	BIL	Rec Surplus to Fix Income
iShares 20+ Year Treasury Bond ETF (T)	FX INC GOVT	-11.94%	16.29%	-0.888			7.0%			-7%	TLT	Increase Duration Position
iShares 5-10 Year invmt Grd Corp Bd ETI	FX INC CORP	-2.11%	8.69%	-0.534			7.0%			-7%	IGIB	Increase Duration Position
First Trust Senior Loan ETF (FTSL)	FX INC CORP	4.38%	4.27%	0.434			7.0%		12.6%	6%	FTSL	Increase Credit Position
iShares iBonds 2024 Term HY and Inc E	FX INC CORP	3.94%	4.34%	0.325			7.0%	44%	1.1%	-6%	IBHD	Increase Credit Position
							28.0%		13.7%	-10.2%		Sim Offshore Assets
				Est Return			12.93%		20.84%			
				Std Dev			11.40%		12.67%			
				Sharpe Ratio			0.91		1.45			

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- ▶ **3. NEXT STEPS**

- Appendix A Hybrid Income* - Preserve Principal, Maintain Income, Sustain Portfolio
- Appendix B Prospect / Portfolio Statistics
- Appendix B - O&O Outlook and Opportunity Details in Appendix B

Appendix

A - Disclosure & Disclaimer

B - Sources – Information, Data, Toolkits

C - HyInc Objectives, Analytic Sequence

D - Equity Model(s) Changes – Build Up

E - Fixed Income etfs Profile & Recs

Appendix A – Income Sig – Disclosure & Disclaimer

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ADVISOR STATUS

- We are not investment advisors.

THE FUTURE IS NOT PREDICTABLE ... but RHYMES?

- Pursuant to the provisions of Rule 206(4)-1 of the Investment Advisors Act of 1940, all attendees should recognize that recommendations implied or made, may or may not duplicate the performance based on historical analysis.

SOURCES

- The contents of this presentation have been compiled from original and published sources believed to be reliable, but accuracy or completeness is not guaranteed.

02-07-24 vA

Appendix B – Income Sig Data Sources

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- Dr. Ed Yardeni, Yardeni.com (EY)
- Dr. Torsten Slok – The Apollo Economist (TS)
- JP Morgan Analytics – Q4 2023 Outlook (JPM)
- Simulations – Assets, ETFs, Tickers – Research Affiliates & Portfolio Visualizer

AAll Houston Speakers+:

- Sumgrowth.com, Scott Juds - Algorithmic Sector Surfer
- DeltaIM.com, Delta Investment Management, Nick Atkeson, SFO
- RGBCapitalGroup.com, Rob Bernstein, AAll San Diego
- CandorAssetAdvisors.com, Bill Hawes, AAll San Antonio
- Aeromir.com, Wayne Klump, SW Portfolio
- This Week in Charts – Charlie Bilello

Appendix C – Inc SIG – Hybrid-Income

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▶ OBJECTIVES

- Preserve Principal, Maintain Income, Sustain Portfolio
- Monthly Income via Dividends, Options ... & Price Δ

ANALYTIC SEQUENCE;

▶ Assets

- Simulate Return, Risk, Performance of Asset Classes

▶ Constraints

- Constrain Assets via Forward Outlook

▶ Positions

- Select ETF's, Tickers in 1/2 of Industry Benchmark(s);
- 1st etfs or mfunds, 2nd Position - Company's
- Morningstar >3 or C+
- Rank Order Selection via Dividend & Option Income;
- Dividend a f(Cash Flow, Inc Stmt Growth, B.Sheet Debt)
- Company Risk Adjusted Returns, Drawdowns
- Momentum -> Entry/Exit – etf, equity, options

Appendix D – EQUITY MODEL CHANGE(S)

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MONITOR – 04/15/24

	Current Signal	Indicator Rating	S&P 500 Historical Return
<u>Indicator/Model</u>			
Primary Cycle Analysis:			
Secular Market Cycle		Bull Market	31.2%
Cyclical Market Cycle		Bull Market	36.8%
Trend Analysis:			
Short-Term Trend Rating	Sell	Negative	NA
Intermediate-Term Trend Rating	Buy	Positive	NA
Long-Term Trend Rating	Buy	Positive	9.7%
Momentum Analysis:			
Short-Term Momentum Model	Sell	Negative	-18.7%
Intermediate-Term Momentum Model	Buy	Neutral	7.2%
Long-Term Momentum Model	Buy	Positive	15.2%
Fundamental Analysis:			
Economic Model	Buy	Positive	8.9%
Earnings Model	Buy	Neutral	10.8%
Monetary Model	Buy	Positive	17.7%
Inflation Model	Buy	Positive	13.1%
Valuation Model	Sell	Negative	-1.2%

MONITOR – 04/08/24

	Current Signal	Indicator Rating	S&P 500 Historical Return
<u>Indicator/Model</u>			
Primary Cycle Analysis:			
Secular Market Cycle		Bull Market	31.2%
Cyclical Market Cycle		Bull Market	36.8%
Trend Analysis:			
Short-Term Trend Rating	Sell	Negative	NA
Intermediate-Term Trend Rating	Buy	Positive	NA
Long-Term Trend Rating	Buy	Positive	9.7%
Momentum Analysis:			
Short-Term Momentum Model	Sell	Negative	-7.7%
Intermediate-Term Momentum Model	Buy	Neutral	7.4%
Long-Term Momentum Model	Buy	Positive	15.2%
Fundamental Analysis:			
Economic Model	Buy	Positive	8.9%
Earnings Model	Buy	Neutral	10.8%
Monetary Model	Buy	Positive	17.7%
Inflation Model	Buy	Positive	13.1%
Valuation Model	Sell	Negative	-1.2%

Chg fr Last Monitor

positive

negative

Appendix D – EQUITY MODEL CHANGE(S)

Change fr
Last Monitor

positive

negative

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MONITOR – 04/15/24

Indicator/Model	Current Signal	Indicator Rating	S&P 500 Historical Return
Credit Conditions Analysis:			
Short-Term Credit Conditions Model	Buy	Positive	NA
Intermediate-Term Credit Conditions Model	Buy	Positive	NA
Long-Term Credit Conditions Model	Buy	Positive	NA
Overbought/Oversold Analysis:			
Short-Term Overbought/Oversold Signal	Hold	Neutral	NA
Intermediate-Term Overbought/Oversold Signal	Sell	Negative	-2.0%
Long-Term Overbought/Oversold Signal	Buy	Positive	NA
Investor Sentiment Analysis:			
Short-Term Sentiment Model	Hold	Neutral	7.9%
Intermediate-Term Sentiment Model	Sell	Negative	-11.2%
Long-Term Sentiment Model	Sell	Negative	1.0%
The Weight of the Evidence Average:			8.83%
S&P 500 average gain/annum from 11/16/1979:			9.14%

MONITOR – 03/18/24

Indicator/Model	Current Signal	Indicator Rating	S&P 500 Historical Return
Credit Conditions Analysis:			
Short-Term Credit Conditions Model	Buy	Positive	NA
Intermediate-Term Credit Conditions Model	Buy	Positive	NA
Long-Term Credit Conditions Model	Buy	Positive	NA
Overbought/Oversold Analysis:			
Short-Term Overbought/Oversold Signal	Hold	Neutral	NA
Intermediate-Term Overbought/Oversold Signal	Sell	Negative	-2.2%
Long-Term Overbought/Oversold Signal	Buy	Neutral	NA
Investor Sentiment Analysis:			
Short-Term Sentiment Model	Hold	Neutral	-5.1%
Intermediate-Term Sentiment Model	Hold	Neutral	13.0%
Long-Term Sentiment Model	Sell	Negative	1.0%
The Weight of the Evidence Average:			8.67%
S&P 500 average gain/annum from 11/16/1979:			9.12%

Appendix E – ETFs Cash - Ultra Short Bonds

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2024 Rec; Reduce to \$50k
Risk – Opportunity Cost / Fed Funds
Step In – HYG Down TurnR

LT Equilibrium RR & EV δ;

US Treasury Short (2.0%, 1.7%)

no / Ticker	Asset Type or Name / Index	Average Credit Quality	Morningstar Rating for Funds - 3 Year	Morningstar Rating for Funds - Overall	Total Return - 1 Year	Adjusted Expense Ratio (%)	Standard Deviation - 1 Year, Monthly	Total Return - 3 Year (%)	Standard Deviation - 3 Year, Monthly	Beta - 3 Year, Monthly	Sharpe Ratio - 3 Year, Monthly	Maximum Drawdown - 3 Year (%)	Ticker	
			2nd			3rd								
	Ultrashort Bond													
5	Bloomberg US Govt/Credit 1-3 Yr TR USD	\$ 8,788,016,714	3.8	3.8	5.1	0.22	0.6	2.1	1.0	0.1	(1.2)	(1.3)		
JPST	JPMorgan Ultra-Short Income ETF	\$ 22,575,026,409	A	3	4	5.24	0.18	0.6	2.47	0.87	0.05	-0.9	-0.71	JPST
FTSM	First Trust Enhanced Short Maturity ETF	\$ 6,668,262,365	A	3	3	5.12	0.45	0.39	2.33	0.79	0.04	-1.5	-0.55	FTSM
ICSH	BlackRock Ultra Short-Term Bond ETF	\$ 5,663,075,331	A	4	4	5.58	0.08	0.35	2.55	0.86	0.05	-0.81	-0.55	ICSH
FTSD	Franklin Short Duration US Govt ETF	\$ 148,322,691	BBB	5	5	4.11	0.25	1.63	0.47	1.79	0.2	-1.51	-4.81	FTSD
TFLO	iShares Treasury Floating Rate Bond ETF	\$ 8,885,396,775	AA	4	3	5.42	0.15	0.17	2.72	0.68	-0.01	-1.29	-0.06	TFLO
	Ultrashort Bond													
4	Bloomberg US Universal TR USD	\$ 1,362,405,499	2.8	3.8	6.2	0.23	1.3	2.2	1.7	0.2	(0.5)	(2.7)		
HSRT	Hartford AAA CLO ETF	\$ 107,276,346	BBB	1	3	6.64	0.29	2.19	1.39	2.92	0.34	-0.55	-6.37	HSRT
FLDR	Fidelity Low Duration Bond Factor ETF	\$ 404,555,941	A	3	4	5.85	0.15	1.04	2.4	1.49	0.14	-0.45	-2.05	FLDR
GSY	Invesco Ultra Short Duration ETF	\$ 1,909,028,991	A	3	4	5.93	0.23	0.61	2.34	1.1	0.08	-0.76	-1.33	GSY
NEAR	BlackRock Short Duration Bond ETF	\$ 3,028,760,718	A	4	4	6.49	0.25	1.48	2.72	1.34	0.1	-0.14	-1.21	NEAR
	Ultrashort Bond													
3	BofA USD 3M Dep OR CM TR USD	\$ 7,370,985,895	4.0	4.0	7.4	0.15	1.3	3.1	2.0	0.1	(1.7)	(2.1)		
BILS	SPDR® Bloomberg 3-12 Mth TBill ETF	\$ 2,761,786,104	AA	3	3	5.04	0.14	0.25	2.2	0.72	0.02	-2.54	-0.27	BILS
SGOV	iShares® 0-3 Month Treasury Bond ETF	\$ 19,042,457,152	-	4	4	5.33	0.07	0.09	2.58	0.67	0	-2.79	-0.01	SGOV
LQDH	iShares Interest Rate Hedged Corp Bd ETF	\$ 308,714,428	A	5	5	11.78	0.23	3.47	4.45	4.67	0.42	0.22	-5.9	LQDH
	Ultrashort Bond													
6	Morningstar EM Bd GR USD	\$ 2,608,386,803	2.8	3.2	5.8	0.24	0.6	2.3	1.1	0.1	(0.8)	(1.6)		
MINT	PIMCO Enhanced Short Maturity Active ETF	\$ 10,897,281,102	A	2	3	6.34	0.35	0.37	2.15	1.29	0.07	-0.85	-2.28	MINT
GSST	Goldman Sachs Access Ultra Short Bd ETF	\$ 601,064,272	AA	3	3	5.88	0.16	0.64	2.44	1.08	0.08	-0.64	-1.09	GSST
ULST	SPDR® SSGA Ultra Short Term Bond ETF	\$ 600,926,686	BBB	3	3	5.4	0.2	0.69	2.47	0.98	0.06	-0.69	-1.12	ULST
VNLA	Janus Henderson Short Duration Inc ETF	\$ 2,243,368,361	BBB	3	4	5.86	0.23	0.99	2.32	1.24	0.1	-0.62	-1.68	VNLA
EMNT	PIMCO Enhanced Short Mtrty Actv ESG ETF	\$ 171,171,190	A	3	3	5.83	0.24	0.27	2.2	1.08	0.07	-0.99	-1.53	EMNT
RAVI	FlexShares Ultra-Short Income ETF	\$ 1,136,509,204	BB	3	3	5.62	0.25	0.39	2.24	1.02	0.05	-1.09	-1.62	RAVI

03-16-24 vA

Source: LT Equilibrium & Stdev is RA 10 year Real Outllok

Appendix E – Fixed Income ETFs Corp Bonds

22

2024 Rec; \$50,000

Risk – Duration, Opp – Rate Decline(s)/Duration

Stop Out - 50dma xOver,

LT Equilibrium RR &EVδ;

US Aggregate (2.6%, 4.4%)

Ticker	Index / Name	Fund Size	Average Credit Quality	Morningstar Rating for Funds - 3 Year	Morningstar Rating for Funds - Overall	Total Return - 1 Year (%)	Adjusted Expense Ratio (%)	Standard Deviation - 1 Year, Monthly	Total Return - 3 Year (%)	Standard Deviation - 3 Year, Monthly	Beta - 3 Year, Monthly	Sharpe Ratio - 3 Year, Monthly	Maximum Drawdown - 3 Year (%)	Ticker
9	Bloomberg US Corp Bond TR USD	\$ 1,897,897,758		3.0	3.3	5.8	0.1	8.9	(1.9)	9.1	1.2	(0.6)	(20.3)	
	IGEB iShares Investment Grade Systmtc Bd ETF	\$ 565,585,544	BBB	4	5	6.77	0.18	8.57	-1.47	8.85	1.2	-0.54	-19.66	IGEB
	SPBO SPDR® Portfolio Corporate Bond ETF	\$ 1,311,703,153	A	3	3	5.88	0.03	9.09	-1.94	9.28	1.3	-0.56	-20.52	SPBO
	USIG iShares Broad USD Invm Grd Corp Bd ETF	\$ 10,634,841,188	A	3	3	5.75	0.04	8.51	-1.91	8.78	1.2	-0.59	-20.04	USIG
	VTC Vanguard Total Corporate Bond ETF	\$ 982,534,200	A	3	3	5.47	0.04	9.2	-2.01	9.58	1.3	-0.55	-20.37	VTC
	VCEB Vanguard ESG US Corporate Bond ETF	\$ 534,146,000	A	3	3	5.69	0.12	8.68	-1.98	9.02	1.2	-0.58	-19.79	VCEB
	GIGB Goldman Sachs Acss Invm Grd Corp Bd ETF	\$ 723,026,040	BBB	3	3	5.61	0.14	9.29	-2.11	9.4	1.3	-0.55	-20.59	GIGB
	CORP PIMCO Investment Grade Corporate Bd ETF	\$ 1,083,955,740	A	3	4	5.69	0.2	8.57	-1.69	8.82	1.2	-0.56	-19.7	CORP
	FCOR Fidelity Corporate Bond ETF	\$ 214,299,394	BBB	3	3	5.9	0.36	8.84	-2.06	9.15	1.2	-0.58	-20.75	FCOR
	SUSC iShares ESG USD Corporate Bond ETF	\$ 1,030,988,562	BBB	2	3	5.36	0.18	9.05	-2.26	9.29	1.3	-0.59	-20.83	SUSC
7	Bloomberg US Universal TR USD	\$ 11,206,743,253		3.8	3.8	5.8	0.2	7.2	(1.4)	7.3	1.0	(0.6)	(16.4)	
	SPIB SPDR® Portfolio Interm Term Corp Bd ETF	\$ 8,560,216,021	BBB	5	4	5.75	0.04	5.52	-0.81	5.88	0.79	-0.67	-13.52	SPIB
	KOPF American Century Dvrs Corp Bd ETF	\$ 247,616,121	BBB	5	4	5.42	0.29	6.15	-0.77	6.02	0.81	-0.65	-13.65	KOPF
	IGIB iShares 5-10 Year invmt Grd Corp Bd ETF	\$ 12,735,283,908	BBB	4	4	6.43	0.04	8.6	-1.67	8.67	1.18	-0.56	-19.08	IGIB
	SKOR FlexShares Credit-Scored US Corp Bd ETF	\$ 331,565,757	BBB	4	5	6.13	0.15	5.52	-0.89	5.95	0.8	-0.67	-14.14	SKOR
	IBD Inspire Corporate Bond ETF	\$ 252,309,984	-	4	3	5.01	0.45	5.34	-1.19	5.34	0.71	-0.8	-13.59	IBD
	SCHI Schwab 5-10 Year Corp Bd ETF	\$ 6,347,046,779	BBB	3	3	5.92	0.03	8.83	-1.81	8.81	1.2	-0.57	-18.89	SCHI
	VCIT Vanguard Interm-Term Corp Bd ETF	\$ 47,326,636,966	BBB	3	4	6	0.04	8.82	-1.78	8.85	1.21	-0.56	-18.87	VCIT

Appendix E – Fixed Inc – etfs Bank Loans

23

2024 Rec; \$50,000

Risk – Credit / Economic Downturn

Stop Out - 50dma xOver,

LT Equilibrium RR & EVδ;

Bank Loans (2.0%, 6.4%)

no / Ticker	Asset Type or Name / Index	ave / Fund Size	Average Credit Quality	Morningstar Rating for Funds - 3 Year	Morningstar Rating for Funds - Overall	Total Return - 1 Year	Adjusted Expense Ratio (%)	Standard Deviation - 1 Year, Monthly	Total Return - 3 Year (%)	Standard Deviation - 3 Year, Monthly	Beta - 3 Year, Monthly	Sharpe Ratio - 3 Year, Monthly	Maximum Drawdown - 3 Year (%)	Ticker
Ultrashort Bond														
7	Morningstar LSTA US LL Index TR USD	\$ 3,581,403,087		4.7	4.4	7.0	0.19	0.8	3.3	1.3	0.0	0.2	(1.2)	
PULS	PGIM Ultra Short Bond ETF	\$ 6,085,771,563	AA	4	5	6.59	0.15	0.52	3.12	0.95	0.03	0.44	-0.49	PULS
FLTR	VanEck IG Floating Rate ETF	\$ 1,387,522,597	A	5	5	7.36	0.14	1.47	3.44	1.67	0.02	0.35	-1.91	FLTR
FLRN	SPDR® BImbg Inv Grd Flt Rt ETF	\$ 2,276,564,325	A	5	4	6.62	0.15	0.66	3.13	1.1	0.01	0.33	-0.81	FLRN
FLOT	iShares Floating Rate Bond ETF	\$ 7,244,957,751	A	5	4	6.69	0.15	0.68	3.16	1.09	0.01	0.37	-0.77	FLOT
JAAA	Janus Henderson AAA CLO ETF	\$ 7,101,038,301	A	5	5	8.85	0.21	1.27	3.77	1.94	0.09	0.53	-2.31	JAAA
VRIG	Invesco Variable Rate Investment Grd ETF	\$ 808,476,845	A	5	5	7.47	0.3	1.03	3.51	1.43	0.04	0.53	-1.19	VRIG
OPER	ClearShares Ultra-Short Maturity ETF	\$ 165,490,225	-	4	3	5.31	0.2	0.07	2.73	0.63	0	-1.44	-	OPER
Bank Lloans														
6	Morningstar LSTA US LL Index TR USD	\$ 2,571,136,391		3.0	3.7	11.8	0.65	2.8	4.8	4.3	0.3	0.4	(6.1)	
SEIX	Virtus Seix Senior Loan ETF	\$ 118,096,882	-	4	4	11.52	0.62	2.73	5.5	3.8	0.21	0.69	-5.84	SEIX
FLBL	Franklin Senior Loan ETF	\$ 310,617,862	B	4	4	12.28	0.45	3.13	5.47	4.5	0.29	0.56	-5.64	FLBL
FTSL	Fidelity Trust Senior Loan ETF	\$ 2,148,728,998	B	3	4	10.41	0.87	2.33	4.46	4.09	0.24	0.38	-5.87	FTSL
FLRT	Pacer Pacific Asset Fltng Rt Hi Inc ETF	\$ 211,790,595	-	3	4	14.1	0.61	2.82	5.29	4.86	0.33	0.48	-6.8	FLRT
SRLN	SPDR Blackstone Senior Loan ETF	\$ 5,545,407,878	B	2	3	11.09	0.70	2.76	3.52	4.37	0.28	0.13	-6.68	SRLN
BKLN	Invesco Senior Loan ETF	\$ 7,092,176,132	B	2	3	11.21	0.65	2.76	4.31	4.26	0.27	0.32	-5.82	BKLN

Appendix E – FxInc – etfs High Yield Bonds

24

2024 Rec; \$50,000

Risk – Credit / Economic Downturn

Stop Out - 50dma xOver,

LT Equilibrium RR & EV δ;

US High Yield (3.2%, 8.7%)

no / Ticker	Asset Type or Name / Index	ave / Fund Size	Average Credit Quality	Morningstar Rating for Funds - 3 Year	Morningstar Rating for Funds - Overall	Total Return - 1 Year	Adjusted Expense Ratio (%)	Standard Deviation - 1 Year, Monthly	Total Return - 3 Year (%)	Standard Deviation - 3 Year, Monthly	Beta - 3 Year, Monthly	Sharpe Ratio - 3 Year, Monthly	Maximum Drawdown - 3 Year (%)	Ticker
				2nd			3rd							
	HYBond													
16	ICE BofA US High Yield TR USD	\$ 2,710,692,009		3.8	3.7	10.8	0.40	4.56	2.8	6.94	0.66	0.05	(11.23)	
	BSJP Invesco BulletShares 2025 HY Corp Bd ETF	\$ 783,290,720	B	5	5	10.78	0.42	2.90	3.67	5.37	0.45	0.16	-8.55	BSJP
	HYGH iShares Interest Rate Hdg Hi Yld Bd ETF	\$ 212,969,569	B	5	4	14.42	0.52	4.24	6.04	6.75	0.41	0.5	-7.81	HYGH
	IBHE iShares iBonds 2025 Term HY and Inc ETF	\$ 448,914,651	B	5	5	10.47	0.35	2.60	3.86	5.01	0.43	0.21	-8	IBHE
	IBHD iShares iBonds 2024 Term HY and Inc ETF	\$ 499,389,029	BB	5	5	8.64	0.35	1.05	3.96	3.96	0.31	0.32	-7.29	IBHD
	YLD Principal Active High Yield ETF	\$ 166,644,730	B	5	4	12.69	0.39	5.70	3.87	7.76	0.8	0.18	-13.28	YLD
	USHY iShares Broad USD High Yield Corp Bd ETF	\$ 12,119,742,311	B	3	3	12.34	0.08	6.30	2.11	8.51	0.9	-0.07	-14.78	USHY
	HYG iShares iBoxx \$ High Yield Corp Bd ETF	\$ 16,818,563,769	B	2	3	11.31	0.49	6.63	1.37	9.07	0.95	-0.14	-14.87	HYG
	HYBond													
14	Morningstar US HY Bd TR USD	\$ 1,037,460,587	-	2.7	3.5	12.1	0.32	6.5	1.8	8.6	0.9	(0.1)	(15.2)	
	SJNK SPDR® Blmbg ST HY Bd ETF	\$ 4,592,022,212	B	4	4	11.09	0.4	4.84	3.41	6.15	0.61	0.11	-9.43	SJNK
	HYDB iShares High Yield Systematic Bond ETF	\$ 632,065,127	B	4	5	13.73	0.35	6.18	2.78	8.23	0.84	0.01	-13.53	HYDB
	BKHY BNY Mellon High Yield Beta ETF	\$ 282,100,165	B	3	3	12.09	0.22	6.23	1.94	8.52	0.91	-0.09	-15.05	BKHY
	FALN iShares Fallen Angels USD Bond ETF	\$ 1,653,633,096	BB	3	4	13.53	0.25	7.05	1.76	8.6	0.95	-0.12	-16.94	FALN
	BBHY JPMorgan BetaBuilders \$ HY Corp Bnd ETF	\$ 823,203,237	B	3	3	11.83	0.15	6.34	1.92	8.8	0.93	-0.09	-14.46	BBHY
	SPHY SPDR® Portfolio High Yield Bond ETF	\$ 3,935,152,576	B	3	4	12.42	0.05	6.31	2.38	8.29	0.88	-0.04	-14.23	SPHY

Appendix E – FixInc – etfs US Treasury Long

25

2024 Rec; \$100,000

Risk – Opportunity Cost, Opp – Duration

Step In – ½ March, ½ on RSI~ 30,

LT Equilibrium RR & EV δ;

US Treasury Long (2.2%, 12.5%)

no / Ticker	Asset Type or Name / Index	ave / Fund Size	Average Credit Quality	Morningstar Rating for Funds - 3 Year	Morningstar Rating for Funds - Overall	Total Return - 1 Year	Adjusted Expense Ratio (%)	Standard Deviation - 1 Year, Monthly	Total Return - 3 Year (%)	Standard Deviation - 3 Year, Monthly	Beta - 3 Year, Monthly	Sharpe Ratio - 3 Year, Monthly	Maximum Drawdown - 3 Year (%)	Ticker
				2nd			3rd							
	Bond Long Govt													
8	Bloomberg US Government Long TR US	\$ 13,636,316,783		3.6	4.0	(4.5)	0.17	15.1	(7.3)	13.4	1.8	(0.8)	(33.6)	
TLH	iShares 10-20 Year Treasury Bond ETF	\$ 7,743,396,718	AA	4	4	-4.18	0.15	15.5	-7.17	13.93	1.88	-0.76	-33.99	TLH
SCHQ	Schwab Long-Term US Treasury ETF	\$ 628,114,457	AA	3	3	-6.11	0.03	17.52	-8.71	15.66	2.08	-0.77	-39.39	SCHQ
SPTL	SPDR® Portfolio Long Term Treasury ETF	\$ 8,844,574,134	AA	3	4	-6.05	0.03	17.56	-8.77	15.66	2.08	-0.78	-39.47	SPTL
VGLT	Vanguard Long-Term Treasury ETF	\$ 16,411,664,150	AAA	3	3	-6.08	0.04	17.7	-8.73	15.76	2.08	-0.77	-39.41	VGLT
TLT	iShares 20+ Year Treasury Bond ETF	\$ 47,485,153,537	AA	2	3	-7.43	0.15	18.74	-9.66	16.69	2.19	-0.77	-42.05	TLT
IEF	iShares 7-10 Year Treasury Bond ETF	\$ 27,602,865,602	AA	5	5	-0.9	0.15	8.79	-4.37	8.44	1.15	-0.88	-20.48	IEF
LGOV	First Trust Long Duration Opp ETF	\$ 344,400,026	AAA	5	5	-2.31	0.67	13.09	-5.36	10.6	1.42	-0.76	-27	LGOV
GOVI	Invesco Equal Weight 0-30 Years Trs ETF	\$ 746,980,688	-	4	5	-2.86	0.15	11.86	-5.63	10.58	1.43	-0.82	-27.11	GOVI

Appendix E – ALTS OPTIONS & DERIVATIVE etfs

26

no / Ticker	Asset Type or Name / Index	ave / Fund Size	Morningstar Rating for Funds - 3 Year	Morningstar Rating for Funds - Overall	Total Return - 1 Year	Adjusted Expense Ratio (%)	Standard Deviation - 1 Year, Monthly	Total Return - 3 Year (%)	Standard Deviation - 3 Year, Monthly	Beta - 3 Year, Monthly	Sharpe Ratio - 3 Year, Monthly	Maximum Drawdown - 3 Year (%)	Ticker
			2nd			3rd							
Options Trading													
18	S&P 500 TR USD	\$ 593,390,009	3.8	3.8	21.5	0.81	9.6	7.9	10.8	0.6	0.5	(13.0)	
BMAR	Innovator S&P 500 Buffer ETFâ„¢ March	\$ 156,120,954	5	5	22.37	0.79	9.91	10.23	11.27	0.65	0.72	-13.22	BMAR
BAPR	Innovator S&P 500 Buffer ETF Apr New	\$ 153,629,980	5	5	24.72	0.79	10.32	10	12.02	0.69	0.62	-14.2	BAPR
FFEB	FT Cboe Vest US Equity Buffer ETF Feb	\$ 803,793,992	5	5	23.84	0.85	10.19	9.25	11.18	0.65	0.68	-13.33	FFEB
FJAN	FT Cboe Vest US Equity Buffer ETF Jan	\$ 734,015,467	5	5	22.97	0.85	9.96	10.22	11.07	0.62	0.76	-12.59	FJAN
BSEP	Innovator US Equity Buffer ETF-Sep	\$ 159,962,718	4	4	25.26	0.79	10.78	8.81	12.86	0.75	0.55	-14.73	BSEP
ACIO	Aptus Collared Investment Opp ETF	\$ 704,443,848	4	4	21.67	0.79	10.04	9.56	11.86	0.68	0.61	-13.64	ACIO
PMAR	Innovator S&P 500 Power Buffer ETFâ„¢ Mar	\$ 660,324,366	4	4	16.28	0.79	6.88	7.69	7.76	0.43	0.69	-9.03	PMAR
BJUL	Innovator U.S. Equity Buffer ETF July	\$ 193,195,859	4	4	26.61	0.79	10.79	9.04	11.97	0.69	0.57	-12.83	BJUL
PFEB	Innovator US Equity Power Bfrr ETFâ„¢ Feb	\$ 838,364,561	4	4	19.12	0.79	8.01	7.52	8.43	0.47	0.64	-9.21	PFEB
BUFR	FT Cboe Vest Fund of Buffer ETFs	\$ 3,579,481,833	4	4	22.22	1.05	9.97	8.04	11.29	0.66	0.53	-13.25	BUFR
Derivative Income													
10	CBOE S&P 500 BuyWrite BXM PR USD	\$ 5,137,161,923	3.8	3.6	18.5	0.71	8.4	7.9	12.7	0.6	0.5	(16.3)	
BUYW	Main BuyWrite ETF	\$ 416,123,430	4	3	9.77	1.29	2.43	7.54	7.34	0.35	0.72	-8.07	BUYW
XYLD	Global X S&P 500Â® Covered Call ETF	\$ 2,827,184,400	3	3	11.76	0.6	5.8	5.24	10.43	0.52	0.36	-18.01	XYLD
QYLD	Global X NASDAQ 100 Covered Call ETF	\$ 8,110,542,663	2	3	21.23	0.61	8.47	4.89	13.37	0.65	0.21	-22.8	QYLD
FTQI	First Trust Nasdaq BuyWrite Income ETF	\$ 236,987,686	4	3	21.74	0.75	8.48	7.38	12.32	0.61	0.52	-16.28	FTQI
JEPI	JP Morgan Equity Premium Income ETF	\$ 33,153,240,887	5	5	17.45	0.35	7.62	9.59	11.69	0.61	0.69	-13.12	JEPI
SIXH	ETC 6 Meridian Hdg Eq-Idx Opt Strat ETF	\$ 392,997,416	5	5	15.63	0.82	5.78	10.92	11.14	0.42	0.77	-10.07	SIXH
DIVO	Amplify CWP Enhanced Dividend Income ETF	\$ 3,122,135,123	4	5	16.1	0.56	9.89	8.98	13.6	0.69	0.57	-12.99	DIVO
KNG	FT Cboe Vest S&P 500Â® Dv Ast Tgt Inc ETF	\$ 2,480,442,130	3	3	12.81	0.75	14.83	6.47	16.52	0.85	0.38	-17.63	KNG
QYLG	Global X Nasdaq 100Â® Covered Call&Gr ETF	\$ 112,608,962	3	3	34.42	0.6	12.43	8.56	17.6	0.92	0.4	-27.87	QYLG
FTHI	First Trust BuyWrite Income ETF	\$ 519,356,528	5	3	23.73	0.75	7.97	8.98	12.83	0.65	0.64	-15.89	FTHI

Source: Barrons DJIG's