Weekly ETF Equity Select List



Research Inquiries:

research@etfg.com or (412) 407-4444

Subscription Inquiries:

(212) 223-3834

www.etfg.com

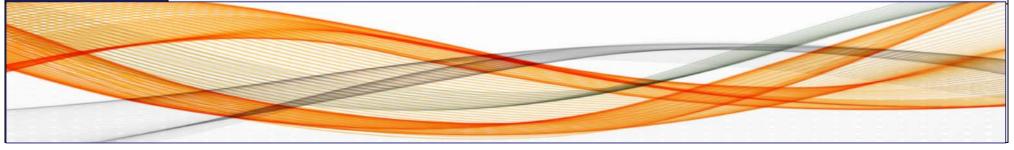
About the ETFG ETP Weekly Select List

The ETF Global Weekly ETF Select List has been designed to support both Financial Professionals and Investors with their respective Exchange-Traded-Fund selection processes. Once the investor's risk tolerance, investment goals and resulting asset-allocation have been determined, the ETFG Weekly ETF Select List points to the highest-rated ETFs to fit the investment needs and goals of that specific portfolio.

Developed by the Research team at ETF Global, the ETFG Weekly ETF Select List features the 5 most highly rated ETFs by Sector, Geographic Region and Strategy as ranked by the ETFG Quant model. This weekly reference guide enables you to quickly and easily identify ETFs which meet your chosen criteria. Because the list highlights just five ETFs per category and the ETFG Quant model is cross-sectional in its rankings, each ETF on the list has earned its respective spot by achieving the highest relative scoring versus its eligible peer group. The universe of equity ETFs reviewed by ETFG Quant represents the broadest range of industry groups, sectors and geographic regions.

- The selection pool includes all U.S. listed, equity ETFs, excluding levered and inverse funds
- The ETFG Quant model assigns a daily ranking to all relevant products using proprietary algorithms and employing dozens of industry metrics.
- ETFG Quant has four primary drivers: Behavioral Finance (Technical Analysis & Sentiment), Fundamental Analysis, Global Themes and Quality
- Selection is performed prior to trading on Monday of each week

To best support the ETF selection process, ETF Global strongly encourages viewers to perform a more comprehensive review of the overall ETFG Quant rankings and to utilize the additional tools and resources available at www.etfg.com to further research and diligence exchange-traded-funds.



Equity ETF Select List - Sectors

ETFGlobal°

A	April 30, 2018			Research Inquiries: research@etfg.com or (412) 407-4444			www.etfg.com				
	Ticker	Name	Focus	Region	TER		Reward*	Quant*			
1	JHMA	John Hancock Multifactor Materials ETF	Basic Materials	North America	0.50%	5.18	6.98	60.40			
2	SIL	Global X Silver Miners ETF	Basic Materials	Global	0.65%	6.40	6.22	55.70			
		iShares Edge MSCI Multifactor Materials ETF	Basic Materials	North America	0.35%	6.50	6.08	55.10			
		Sprott Junior Gold Miners ETF	Basic Materials	Global	0.57%	6.74	6.16	54.60			
5	<u>PSAU</u>	PowerShares Global Gold and Precious Metals Portfolio	Basic Materials	Global	0.75%	5.94	5.91	54.10			
1	PMR	PowerShares Dynamic Retail Portfolio	Consumer Discretionary	North America	0.63%	6.03	7.75	64.20			
2	XRT	SPDR S&P Retail ETF	Consumer Discretionary	North America	0.35%	4.99	6.77	60.70			
3	<u>PEJ</u>	Powershares Dynamic Leisure & Entertainment Portfolio	Consumer Discretionary	North America	0.61%	4.65	6.77	58.40			
		iShares Edge MSCI Multifactor Consumer Discretionary ETF	Consumer Discretionary	North America	0.35%	4.98	6.66	57.10			
5	<u>FDIS</u>	Fidelity MSCI Consumer Discretionary Index ETF	Consumer Discretionary	North America	0.08%	2.72	6.50	55.30			
1	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	Consumer Staples	North America	0.29%	4.05	7.79	66.50			
		Powershares Dynamic Food & Beverage Portfolio	Consumer Staples	North America	0.58%	3.95	6.99	62.20			
3	WSKY	Spirited Funds/ETFMG Whiskey & Spirits ETF	Consumer Staples	Global	0.60%	4.74	6.83	57.20			
4	CNSF	iShares Edge MSCI Multifactor Consumer Staples ETF	Consumer Staples	North America	0.35%	4.34	5.35	54.20			
5	<u>JHMS</u>	John Hancock Multifactor Consumer Staples ETF	Consumer Staples	North America	0.50%	4.51	5.07	52.50			
1	ERGF	iShares Edge MSCI Multifactor Energy ETF	Energy	North America	0.35%	6.13	8.00	67.30			
2	CRAK	VanEck Vectors Oil Refiners ETF	Energy	Global	0.59%	4.80	7.35	64.20			
3	FTXN	First Trust Nasdaq Oil & Gas ETF	Energy	North America	0.60%	5.77	7.23	63.10			
		Global X MLP ETF	Energy	North America	0.47%	6.12	7.94	61.40			
5	<u>EMLP</u>	First Trust North American Energy Infrastructure Fund	Energy	North America	0.95%	5.00	7.00	60.90			
1	<u>KIE</u>	SPDR S&P Insurance ETF	Financials	North America	0.35%	5.43	7.44	63.30			
		PowerShares KBW High Dividend Yield Financial Portfolio	Financials	North America	2.40%	4.56	7.41	61.80			
		First Trust Nasdaq Bank ETF	Financials	North America	0.60%	4.29	6.77	58.80			
	DFNL	Davis Select Financial ETF	Financials	Global	0.65%	5.26	7.07	57.20			
5	DXJF	WisdomTree Japan Hedged Financials Fund	Financials	Asia-Pacific	0.48%	5.57	6.52	56.90			
1	IBB	iShares Nasdaq Biotechnology ETF	Health Care	North America	0.47%	5.09	10.00	75.00			
	<u>PPH</u>	VanEck Vectors Pharmaceutical ETF	Health Care	Global	0.35%	5.77	8.62	68.50			
	<u>BBH</u>	VanEck Vectors Biotech ETF	Health Care	Global	0.35%	5.97	8.00	65.50			
	IHE	iShares US Pharmaceuticals ETF	Health Care	North America	0.44%	5.93	7.49	62.40			
5	<u>XPH</u>	SPDR S&P Pharmaceuticals ETF	Health Care	North America	0.35%	5.39	7.06	60.10			
		iShares Transportation Average ETF	Industrials	North America	0.44%	5.54	6.64	63.30			
		First Trust Nasdaq Transportation ETF	Industrials	North America	0.60%	4.91	7.06	60.90			
	<u>JHMI</u>	John Hancock Multifactor Industrials ETF	Industrials	North America	0.50%	4.15	6.18	57.60			
	INDF	iShares Edge MSCI Multifactor Industrials ETF	Industrials	North America	0.35%	5.86	5.75	56.20			
5	<u>JETS</u>	U.S. Global Jets ETF	Industrials	Global	0.60%	5.71	5.75	53.00			

1 P	AVE	Global X U.S. Infrastructure Development ETF	Natural Resources	North America	0.47%	3.66	7.13	61.70
2 N	IANR	SPDR S&P North American Natural Resources ETF	Natural Resources	North America	0.35%	3.58	6.33	59.20
3 <u>T</u>	BLU	Tortoise Water Fund	Natural Resources	North America	0.40%	5.78	6.47	56.60
4 N	IFRA	FlexShares STOXX Global Broad Infrastructure Index Fund	Natural Resources	Global	0.47%	3.43	5.70	54.40
5 F	<u>TAG</u>	First Trust Indxx Global Agriculture ETF	Natural Resources	Global	0.72%	5.06	5.90	52.20
1 F	<u>INX</u>	Global X FinTech Thematic ETF	Technology	Global	0.68%	4.26	7.60	61.80
2 <u>X</u>	NTK	SPDR NYSE Technology ETF	Technology	North America	0.35%	6.31	6.62	59.70
3 <u>T</u>	CHF	iShares Edge MSCI Multifactor Technology ETF	Technology	North America	0.35%	5.65	6.69	59.10
4 <u>X</u>	<u>ITK</u>	SPDR FactSet Innovative Technology ETF	Technology	North America	0.45%	6.64	6.84	57.80
5 <u>F</u>	TEC	Fidelity MSCI Information Technology Index ETF	Technology	North America	0.08%	3.49	6.60	57.60
1 V	<u>'OX</u>	Vanguard Telecommunication Services ETF	Telecommunications	North America	0.10%	5.21	7.15	61.50
2 <u>F</u>	СОМ	Fidelity MSCI Telecommunication Services Index ETF	Telecommunications	North America	0.08%	4.02	6.43	56.80
3 <u>I</u>	<u>YZ</u>	iShares US Telecommunications ETF	Telecommunications	North America	0.44%	4.41	6.06	56.50
4)	<u>KP</u>	iShares Global Telecom ETF	Telecommunications	Global	0.48%	5.43	5.66	53.20
5 <u>X</u>	TL	SPDR S&P Telecom ETF	Telecommunications	North America	0.35%	4.56	5.27	51.90
1 <u>U</u>	<u>ITLF</u>	iShares Edge MSCI Multifactor Utilities ETF	Utilities	North America	0.35%	4.73	7.25	63.00
2 JI	HMU_	John Hancock Multifactor Utilities ETF	Utilities	North America	0.50%	4.44	6.83	60.20
3 <u>F</u>	UTY	Fidelity MSCI Utilities Index ETF	Utilities	North America	0.08%	2.42	5.92	55.80
4 U	<u> ITES</u>	Reaves Utilities ETF	Utilities	North America	0.95%	5.94	6.49	55.00

Equity ETF Select List - Geography



A	oril 3	Research Inquiries: research@etfg						
	Ticker	<u> </u>	,	Focus	TER		/.etfg.con	
	EWS	Name	Region			Risk*	Reward*	Quant*
	EWY	iShares MSCI Singapore Capped ETF	Asia-Pacific Asia-Pacific	Broad Equity	0.48%	3.65 4.12	8.66 8.13	70.70 68.40
		iShares MSCI South Korea Capped ETF		Broad Equity				
	PGJ	Powershares Golden Dragon China Portfolio	Asia-Pacific	Broad Equity	0.70%	6.16	9.19	66.80
	FNI OURNI	First Trust ISE Chindia Index Fund	Asia-Pacific	Broad Equity	0.60%	5.83	8.50	64.90
5	<u>QJPN</u>	SPDR MSCI Japan Quality Mix ETF	Asia-Pacific	Broad Equity	0.30%	4.03	7.54	63.50
1	<u>EWU</u>	iShares MSCI United Kingdom ETF	Europe	Broad Equity	0.48%	3.21	7.66	65.00
2	DAX	Horizons DAX Germany ETF	Europe	Large Cap	0.45%	5.48	7.33	58.50
3	<u>SCID</u>	Global X Scientific Beta Europe ETF	Europe	Broad Equity	0.38%	5.02	6.78	58.10
4	DBEU	Deutsche X-trackers MSCI Europe Hedged Equity Fund	Europe	Broad Equity	0.45%	4.23	6.58	57.40
5	<u>EURZ</u>	Deutsche Xtrackers Eurozone Equity ETF	Europe	Broad Equity	0.09%	4.83	6.61	57.10
1	PPH	VanEck Vectors Pharmaceutical ETF	Global	Health Care	0.35%	5.77	8.62	68.50
2	BBH	VanEck Vectors Biotech ETF	Global	Health Care	0.35%	5.97	8.00	65.50
3	CRAK	VanEck Vectors Oil Refiners ETF	Global	Energy	0.59%	4.80	7.35	64.20
4	HECO	EcoLogical Strategy ETF	Global	Theme	0.95%	7.81	7.82	61.80
5	ACWF	iShares Edge MSCI Multifactor Global ETF	Global	Broad Equity	0.35%	4.58	7.31	61.80
1	AADR	AdvisorShares Dorsey Wright ADR ETF	Global Ex-U.S.	Broad Equity	0.99%	7.20	8.94	68.10
2	SPDW	SPDR Portfolio World ex-US ETF	Global Ex-U.S.	Broad Equity	0.04%	2.04	7.11	61.20
3	EFAS	Global X MSCI SuperDividend EAFE ETF	Global Ex-U.S.	High Dividend Yield	0.55%	4.56	7.17	60.10
4	CIZ	VictoryShares Developed Enhanced Volatility Wtd ETF	Global Ex-U.S.	Large Cap	0.47%	4.68	6.77	59.60
5	<u>IVLU</u>	iShares Edge MSCI Intl Value Factor ETF	Global Ex-U.S.	Large Cap	0.30%	4.11	6.59	58.60
1	EPU	iShares MSCI All Peru Capped ETF	Latin America	Broad Equity	0.63%	5.46	7.41	61.20
2	EWW	iShares MSCI Mexico Capped ETF	Latin America	Broad Equity	0.48%	5.45	6.78	59.70
3	ILF	iShares Latin America 40 ETF	Latin America	Large Cap	0.49%	5.46	6.76	59.70
4	AGT	iShares MSCI Argentina and Global Exposure ETF	Latin America	Broad Equity	0.59%	4.37	6.35	56.50
5	GXG	Global X MSCI Colombia ETF	Latin America	Broad Equity	0.61%	6.15	6.34	54.80
1	NGE	Global X MSCI Nigeria ETF	Middle East & Africa	Broad Equity	0.88%	5.70	6.77	56.00
2	ITEQ	BlueStar Israel Technology ETF	Middle East & Africa	Technology	0.75%	5.38	6.96	55.40
3	EIS	iShares MSCI Israel Capped ETF	Middle East & Africa	Broad Equity	0.62%	5.78	5.83	52.10
4	ISRA	VanEck Vectors Israel ETF	Middle East & Africa	Broad Equity	0.60%	5.62	5.91	51.10
5	EZA	iShares MSCI South Africa ETF	Middle East & Africa	Broad Equity	0.62%	6.86	5.54	51.00
1	<u>IBB</u>	iShares Nasdaq Biotechnology ETF	North America	Health Care	0.47%	5.09	10.00	75.00
2	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	North America	Large Cap	0.35%	4.63	8.52	68.80
	ERGF	iShares Edge MSCI Multifactor Energy ETF	North America	Energy	0.35%	6.13	8.00	67.30
4	PSCC	PowerShares S&P SmallCap Consumer Staples Portfolio	North America	Consumer Staples	0.29%	4.05	7.79	66.50
5	<u>FVL</u>	First Trust Value Line 100 Exchange-Traded Fund	North America	Alpha-Seeking	0.70%	4.32	7.81	65.30

1	ESGE	iShares MSCI EM ESG Select ETF	Emerging Markets	Theme	0.25%	4.19	7.62	63.20
2	XCEM	EGShares EM Core ex-China ETF	Emerging Markets	Broad Equity	0.35%	5.12	7.83	62.60
3	EMIF	iShares Emerging Markets Infrastructure ETF	Emerging Markets	Theme	0.75%	6.74	7.13	60.80
4	<u>SPEM</u>	SPDR Portfolio Emerging Markets ETF	Emerging Markets	Broad Equity	0.11%	3.90	7.14	58.30
5	EEM	iShares MSCI Emerging Markets ETF	Emerging Markets	Broad Equity	0.69%	5.04	6.44	57.80
1	CCOL	Lawrence CC Clabal Condition to a some ETE	- I I A A I I	Luc I Briti Ive II	0 4=0/			
	<u>SGQI</u>	Janus SG Global Quality Income ETF	Developed Markets	High Dividend Yield	0.45%	4.26	6.82	59.60
	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets Developed Markets	Broad Equity	0.45%	4.26 2.81	6.82 6.62	59.60 59.50
2		· · · · · · · · · · · · · · · · · · ·	· .					
3	INTF	iShares Edge MSCI Multifactor Intl ETF	Developed Markets	Broad Equity	0.30%	2.81	6.62	59.50
2 3 4	INTF KLDW	iShares Edge MSCI Multifactor Intl ETF Knowledge Leaders Developed World ETF	Developed Markets Developed Markets	Broad Equity Broad Equity	0.30%	2.81	6.62 7.26	59.50 58.80

Equity ETF Select List - Strategies



Λ	nril 1	30, 2018	Research Inquiries: res	_				
	thiii a	JU, 2010	(412) 407	-4444		WWW	<u>.etfg.con</u>	<u>n</u>
	Ticker	Name	Focus	Region	TER	Risk*	Reward*	Quant*
1	<u>FVL</u>	First Trust Value Line 100 Exchange-Traded Fund	Alpha-Seeking	North America	0.70%	4.32	7.81	65.30
2	<u>WMW</u>	ELEMENTS Linked to the Morningstar Wide Moat Focus Total Return In	Alpha-Seeking	North America	0.75%	7.11	7.26	58.70
3	DWAQ	PowerShares DWA NASDAQ Momentum Portfolio	Alpha-Seeking	North America	0.60%	5.96	6.53	58.60
4	VALX	Validea Market Legends ETF	Alpha-Seeking	Global	0.81%	5.64	6.98	58.20
5	KNOW	Direxion All Cap Insider Sentiment Shares	Alpha-Seeking	North America	0.59%	4.49	6.54	57.00
1	<u>EWS</u>	iShares MSCI Singapore Capped ETF	Broad Equity	Asia-Pacific	0.48%	3.65	8.66	70.70
2	EWY	iShares MSCI South Korea Capped ETF	Broad Equity	Asia-Pacific	0.62%	4.12	8.13	68.40
3	AADR	AdvisorShares Dorsey Wright ADR ETF	Broad Equity	Global Ex-U.S.	0.99%	7.20	8.94	68.10
4	PGJ	Powershares Golden Dragon China Portfolio	Broad Equity	Asia-Pacific	0.70%	6.16	9.19	66.80
5	<u>EWU</u>	iShares MSCI United Kingdom ETF	Broad Equity	Europe	0.48%	3.21	7.66	65.00
1	WBIG	WBI Large Cap Tactical Yield Shares	High Dividend Yield	Global	1.05%	4.28	6.49	60.50
2	EFAS	Global X MSCI SuperDividend EAFE ETF	High Dividend Yield	Global Ex-U.S.	0.55%	4.56	7.17	60.10
3	WBIY	WBI Power Factor High Dividend ETF	High Dividend Yield	North America	0.67%	3.56	6.59	59.90
4	SGQI	Janus SG Global Quality Income ETF	High Dividend Yield	Developed Markets	0.45%	4.26	6.82	59.60
5	DIVO	Amplify YieldShares CWP Dividend & Option Income ETF	High Dividend Yield	North America	0.96%	5.82	6.95	59.60
1	FTLS	First Trust Long/Short Equity ETF	Long/Short	Global	1.48%	4.28	5.52	54.70
2	MNA	IQ Merger Arbitrage ETF	Long/Short	Global	0.77%	2.43	6.08	51.90
3	SQZZ	Strategy Shares Active Alts Contrarian ETF	Long/Short	North America	1.95%	7.44	6.57	51.90
4	HTUS	Hull Tactical US ETF	Long/Short	North America	0.91%	4.57	5.59	50.10
5	MOM	AGFiQ US Market Neutral Momentum Fund	Long/Short	North America	0.75%	6.84	6.11	46.40
1	PFXF	VanEck Vectors Preferred Securities ex Financials ETF	Preferred Stock	Global	0.41%	2.94	4.73	48.10
2	SPFF	Global X SuperIncome Preferred ETF	Preferred Stock	North America	0.58%	4.04	5.29	46.50
3	PGF	PowerShares Financial Preferred Portfolio	Preferred Stock	North America	0.63%	2.90	3.90	42.70
4	IPFF	iShares International Preferred Stock ETF	Preferred Stock	Developed Markets	0.55%	4.58	3.92	41.30
5	PFF	iShares US Preferred Stock ETF	Preferred Stock	North America	0.47%	2.80	3.16	39.90
1	KRMA	Global X Conscious Companies ETF	Theme	North America	0.43%	3.41	7.40	63.30
2	ESGE	iShares MSCI EM ESG Select ETF	Theme	Emerging Markets	0.25%	4.19	7.62	63.20
3	HECO	EcoLogical Strategy ETF	Theme	Global	0.95%	7.81	7.82	61.80
4	BOSS	Global X Founder-Run Companies ETF	Theme	North America	0.65%	6.34	7.50	61.00
5	<u>EMIF</u>	iShares Emerging Markets Infrastructure ETF	Theme	Emerging Markets	0.75%	6.74	7.13	60.80
1	QQQE	Direxion NASDAQ 100 Equal Weighted Index Shares	Large Cap	North America	0.35%	4.63	8.52	68.80
2	SPYG	SPDR Portfolio S&P 500 Growth ETF	Large Cap	North America	0.04%	4.70	7.58	64.30
3	VSDA	Victoryshares Dividend Accelerator ETF	Large Cap	North America	0.35%	4.16	7.55	64.00
	FXI	iShares China Large-Cap ETF	Large Cap	Asia-Pacific	0.74%	5.22	7.39	62.30
5	NULG	NuShares ESG Large-Cap Growth ETF	Large Cap	North America	0.35%	3.87	7.53	61.30

1 NUMG	NuShares ESG Mid-Cap Growth ETF	Mid Cap	North America	0.40%	4.34	7.51	62.20
2 REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	Mid Cap	North America	0.40%	4.06	6.74	60.90
3 PTMC	Pacer Trendpilot 450 ETF	Mid Cap	North America	0.60%	3.24	6.84	59.90
4 NUMV	NuShares ESG Mid-Cap Value ETF	Mid Cap	North America	0.40%	3.61	7.30	59.80
5 SPMD	SPDR Portfolio Mid Cap ETF	Mid Cap	North America	0.05%	3.13	6.07	56.40
1 <u>HAO</u>	Guggenheim China Small Cap ETF	Small Cap	Asia-Pacific	0.75%	6.09	7.42	61.60
2 NUSC	NuShares ESG Small-Cap ETF	Small Cap	North America	0.40%	3.56	7.25	59.40
3 EWSC	PowerShares S&P SmallCap 600 Equal Weight Portfolio	Small Cap	North America	0.40%	5.13	6.74	59.20
4 EQWS	PowerShares Russell 2000 Equal Weight Portfolio	Small Cap	North America	0.25%	6.17	6.77	58.50
5 FNDC	Schwab Fundamental International Small Cap Company index	Small Cap	Global Ex-U.S.	0.39%	2.55	6.35	58.20
1 PZI	Powershares Zacks Micro Cap Portfolio	Micro Cap	North America	0.81%	4.64	6.24	55.00
2 FDM	First Trust Dow Jones Select Microcap Index Fund	Micro Cap	North America	0.60%	4.96	4.86	47.70
3 WMCR	PowerShares Wilshire Micro-Cap Portfolio	Micro Cap	North America	0.58%	5.20	4.37	44.10
4 IWC	iShares Micro-Cap ETF	Micro Cap	North America	0.60%	5.13	3.81	42.80

*Key

*ETF Global 10 Red Diamond Risk Rating: An ETFG 10 Red Diamond Risk Rating represents the ETFs with the highest risk rating. A 1 Red Diamond Risk Rating represents the ETFs with the lowest risk ratings. ETFG's Risk Rating measures two primary risk categories: Price Risk and Integrity Risk. Price and Integrity risk are equally weighted in the overall risk rating with Price Risk calculating 7 equally weighted underlying measurements covering such aspects as volatility and deviation. Integrity Risk calculates 8 equally weighted underlying measurements regarding the structure and trading characteristics of the security and its sponsor. The Overall Risk Rating Score is aggregated and carried to two decimal places to generate the ETFG Red Diamond Risk Rating.

*About the ETFG^{5M} Quant Model: The universe of equity ETFs reviewed by ETFG^{5M} Quant represents the broadest range of industry groups, sectors and geographic regions. The ETFG^{5M} Quant model assigns a daily ranking to all relevant products using proprietary algorithms and employing dozens of industry metrics to gauge how likely an equity ETF will outperform the market in the foreseeable future. ETFG^{5M} Quant evaluates four primary categories that drive the results of the model: Behavioral Finance (Technical Analysis & Sentiment), Fundamental Analysis, Global Themes and Quality. For detailed information regarding the ETFG^{5M} Quant Model, please review the ETFG^{5M} Quant White Paper at (www.etfg.com/quant-white-paper) or review all the Equity ETFs ranked by ETFG Quant at http://www.etfg.com/research/quant.

Disclaimers

Assumptions, opinions and estimates constitute our judgment as of the date of this material and are subject to change without notice. ETF Global LLC ("ETFG") and its affiliates and any third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively ETFG Parties) do not guarantee the accuracy, completeness, adequacy or timeliness of any information, including ratings and rankings and are not responsible for errors and omissions or for the results obtained from the use of such information and ETFG Parties shall have no liability for any errors, omissions, or interruptions therein, regardless of the cause, or for the results obtained from the use of such information. ETFG PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. In no event shall ETFG Parties be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of the information contained in this document even if advised of the possibility of such damages.

ETFG ratings and rankings are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions. ETFG ratings and rankings should not be relied on when making any investment or other business decision. ETFG's opinions and analyses do not address the suitability of any security. ETFG does not act as a fiduciary or an investment advisor. While ETFG has obtained information from sources they believe to be reliable, ETFG does not perform an audit or undertake any duty of due diligence or independent verification of any information it receives.

ETFG keeps certain activities of its business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain business units of ETFG may have information that is not available to other ETFG business units. ETFG has established policies and procedures to maintain the confidentiality of certain non-public information received in connection with each analytical process. ETFG may receive compensation for its ratings and certain analyses. ETFG reserves the right to disseminate its opinions and analyses. At times, ETFG's public ratings and analyses are made available on its Websites, www.etfg.com (free of charge) and may be distributed through other means, including via ETFG publications and third party redistributors.

This material is not intended as an offer or solicitation for the purchase or sale of any security or other financial instrument. Securities, financial instruments or strategies mentioned herein may not be suitable for all investors. Any opinions expressed herein are given in good faith, are subject to change without notice, and are only correct as of the stated date of their issue. Prices, values, or income from any securities or investments mentioned in this report may fall against the interests of the investor and the investor may get back less than the amount invested. Where an investment is described as being likely to yield income, please note that the amount of income that the investor will receive from such an investment may fluctuate. Where an investment or security is denominated in a different currency to the investor's currency of reference, changes in rates of exchange may have an adverse effect on the value, price or income of or from that investment to the investor.

The information contained in this report does not constitute advice on the tax consequences of making any particular investment decision. This material does not take into account your particular investment objectives, financial situations or needs and is not intended as a recommendation of particular securities, financial instruments or strategies to you nor is it considered to be investment advice. Before acting on any recommendation in this material, you should consider whether it is suitable for your particular circumstances and, if necessary, seek professional advice.