



Selections & Timing Vanguard Fund Family

PO Box 3367 Bella Vista AR 72715

Striving to provide you with the most return and the least risk.

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We track about 50 Vanguard funds. We rank them monthly by C, the risk-adjusted relative strength metric. After at least a three-month hold, we continue to

hold the leaders and sell the laggards. This is a proactive rotational allocation strategy.

If you have any questions, please email

Info@SelectionsAndTiming.com

Thank you.

VANGUARD, selected & timed (3-month hold at least), style and asset allocated (stock, bond, balanced, cash)												
Past & Future Activity	Activity	Fund	Action Price	Number of Shares	Action Value	Fund	Fund Style	Symbol	Ending NAV	Number of Shares	Current Value	Percent of Total
4-Dec	sell	VFSTX	10.60	3,120.9370	33,082	US Grth	ELC	VWUSX	29.79	1,091.1128	32,504	33%
4-Dec	sell	VFIX	10.67	3,102.9494	33,108	Morgan	ELC	VMRGX	24.92	1,292.8036	32,217	33%
4-Dec	buy	VWUSX	32.95	1,001.5175	33,000	IT Trsry	BI	VFITX	11.40	2,892.5658	32,975	33%
4-Dec	buy	VMRGX	27.72	1,190.4762	33,000							
TO DO ON												
4-Jan												
4-Jan	sell	VFITX		all								
4-Jan	buy	VSGBX			32,000							
this buy will be about 33% of total portfolio												
						Cash	Money Market		1.00	1,190.0000	1,190	1%
										Total Valuation=	98,886	100%

UPDATE: On 1/4/16 sell all shares of VFITX. Buy \$32,000 (about 33% of total portfolio) into VSGBX. Continue to hold the other two positions.

	YTD	12 m	9 m	6 m	3 m	1 m
Vanguard Portfolio	-1.11			-1.11	-1.11	-1.37
World Hybrid Index	-1.97			-1.97	3.57	-2.05

Of the two tables above, the top table shows the Vanguard Funds Portfolio. The lower table above shows the Vanguard Portfolio compared with the World Hybrid Index.

To begin the portfolio, I have assumed an initial starting date of 6/30/15. Thereafter I assumed three initial buys on 10/1/15 based on the C ranks at 9/31/15. This was to provide continuity to the back

test selections. The three highest funds at that time were VFSTX, VFIIX, and VFITX. These three positions will be held for at least three months. After three months, we may either continue to hold the leaders or sell the laggards to buy the new leaders, depending on the C ranks.

Vanguard Fund Family by C

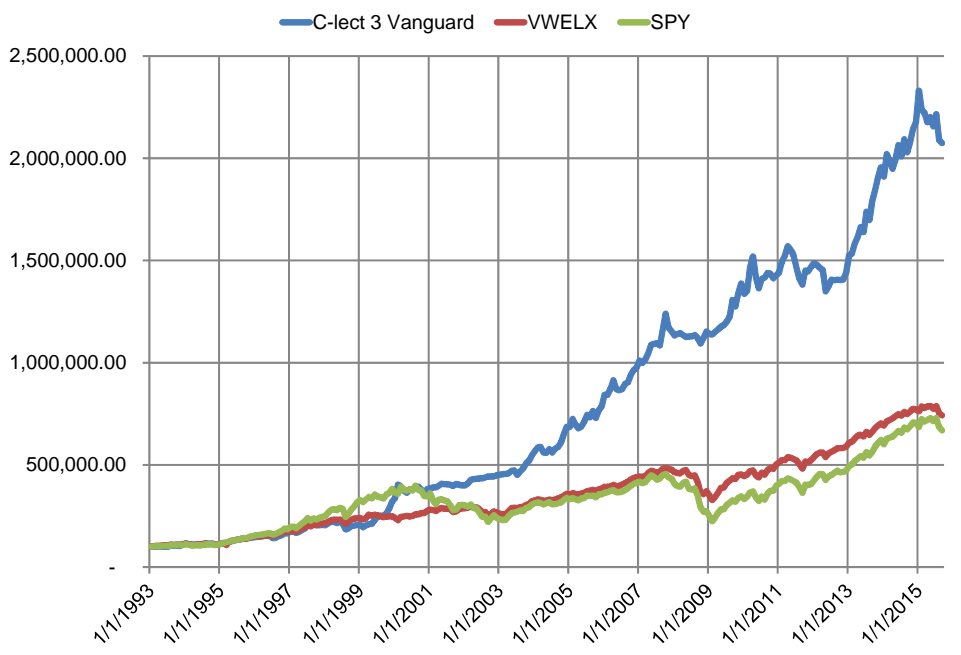
VANGUARD FUND FAMILY by C

ETF Altrntv	Sell Eligible	Legend	Fund Name	Symbol	S	A	12m	9m	6m	3m	1m	NAV	V	CS	C	Fmly Rank
VGSH	4/4/2016	F S T	Vanguard ST Federal	V SGBX	BS	B	0.6	0.0	0.1	-0.6	-0.2	10.71	0.2	2.9	12.5	*****
VMBS		F S T	Vanguard GNMA	V FII X	BU	B	0.9	0.1	0.9	-0.3	-0.2	10.66	0.4	4.4	11.4	*****
MGK	3/4/2015	F S T	Vanguard US Grow th	V WUSX	ELC	E	8.5	3.8	2.3	8.3	-0.3	29.79	2.8	25.6	9.1	*****
BSV		F S T	Vanguard ST InvstGrd	V FSTX	BS	B	0.8	-0.2	-0.1	-0.5	-0.5	10.56	0.3	2.6	8.7	****
VGSH		F S T	Vanguard ST Trsry	V FISX	BS	B	0.4	-0.1	-0.2	-0.7	-0.2	10.65	0.2	2.1	8.7	****
VWO		F S T	Vanguard Intl Explorer	V INEX	EW	E	8.6	1.2	-1.9	5.3	0.6	16.95	2.1	16.9	8.2	****
NotAvl		F S T	Vanguard Wellesley Incm	V WINX	H	H	1.3	0.0	1.7	4.0	-0.8	24.52	1.0	7.8	8.0	****
VIG		F S T	Vanguard Div Grth	V DIGX	ELC	E	2.7	1.8	3.4	6.9	-1.0	22.43	2.5	16.7	6.8	****
VUG	3/4/2015	F S T	Vanguard Morgan Grow th	V MRGX	ELC	E	6.7	2.1	0.7	7.0	-1.7	24.92	2.8	17.8	6.5	****
MGK		F S T	Vanguard PRIMECAP	V P M C X	ELC	E	2.6	0.3	1.9	8.8	-0.4	99.70	2.5	16.1	6.4	****
VNQ		F S T	Vanguard REIT	V GSIX	ERE	E	2.2	-2.3	9.1	7.0	1.8	26.48	4.0	20.7	5.2	****
VYM		F S T	Vanguard Equity Income	V EIPX	EGI	E	0.8	0.8	1.2	7.1	-1.3	29.56	2.5	11.6	4.6	****
MGK		F S T	Vanguard Cap Opprtn	V HCOX	ELC	E	2.6	-1.6	-0.8	7.7	0.3	51.40	2.5	11.1	4.5	****
VYM		F S T	Vanguard Grw th & Incm	V QNPX	EGI	E	1.9	0.4	0.4	6.6	-1.7	39.55	2.6	10.7	4.1	****
BIV		F S T	Vanguard IT InvstGrd	V FICX	BI	B	1.3	-1.0	0.6	-0.5	-0.8	9.64	0.7	2.6	3.8	***
VOO		F S T	Vanguard 500 Index	V FINX	ELC	E	1.2	0.3	0.1	7.0	-1.6	188.48	2.7	10.0	3.7	***
MGK		F S T	Vanguard Index Grth	V IGRX	ELC	E	3.2	-0.2	0.0	6.5	-2.4	54.78	2.9	10.0	3.5	***
VYM		F S T	Vanguard High Yld Dividend	V HDYX	EV	E	-0.5	-0.3	0.1	7.6	-0.9	26.45	2.7	8.9	3.3	***
VGIT	sold	F S T	Vanguard IT Trsry	V FITX	BI	B	1.3	-0.5	0.6	-1.4	-0.5	11.26	0.8	2.5	3.2	***
NotAvl		F S T C	Vanguard Wellington	V WELX	H	H	0.1	-0.8	-0.2	4.0	-1.4	36.79	1.8	4.7	2.6	***
MGV		F S T	Vanguard Value Index	V VAX	EV	E	-1.0	-0.4	-0.9	6.9	-1.0	31.82	2.6	6.5	2.5	***
NotAvl		F S T	Vanguard Balanced	V BINX	H	H	0.4	-1.3	-0.6	3.4	-1.4	29.22	1.5	3.4	2.2	***
BND		F S T	Vanguard TTL Bond Index	V BMFX	BI	B	0.1	-1.5	0.3	-0.8	-0.6	10.64	0.7	0.4	0.6	***
NotAvl		F S T	Vanguard Pacific Index	V PACX	EW	E	2.3	-5.3	-6.3	6.8	-0.4	10.80	2.9	0.0	0.0	***
NotAvl		F S T	Vanguard Star	V GSTX	H	H	-0.2	-2.7	-2.2	3.5	-1.5	23.29	1.7	-0.1	0.0	***
VTV		F S T	Vanguard US Value	V UVLX	EV	E	-1.7	-2.0	-2.3	5.0	-2.3	16.30	2.3	-0.4	-0.1	***
VT		F S T	Vanguard Global Eqty	V HGEX	EW	E	-0.2	-3.8	-3.7	5.3	-2.0	23.64	2.3	-1.6	-0.4	***
VTIP		F S T	Vanguard FI TIP	V IPSX	BS	B	-1.8	-3.0	-1.8	-0.9	-0.9	12.84	0.8	-5.5	-0.5	***
BLV		F S T	Vanguard LT InvstGrd	V WESX	BI	B	-2.6	-5.5	2.3	-0.3	-1.1	9.90	2.0	-4.2	-0.8	***
VGLT		F S T	Vanguard LT Trsry	V USTX	BL	B	-1.8	-5.5	3.5	-1.9	-0.6	12.19	2.8	-3.3	-0.9	***
NotAvl		F S T	Vanguard High Yld Corp	V WEHX	BH	B	-1.9	-3.8	-3.7	-1.0	-2.3	5.54	1.2	-9.7	-1.2	***
VXUS		F S T	Vanguard Intl Equity	V FSVX	EW	E	-0.3	-3.6	-7.1	3.7	-0.7	35.39	2.5	-5.0	-1.3	***
MGV		F S T	Vanguard Windsor II	V WNF X	ELC	E	-3.2	-3.1	-4.1	4.5	-2.5	33.50	2.8	-5.5	-1.5	***
NotAvl		F S T	Vanguard Intl Grow th	V WIGX	EW	E	-0.7	-5.8	-6.9	7.0	-2.4	21.10	3.1	-5.8	-1.8	***
VO		F S T	Vanguard MidCap Index	V IMSX	EMC	E	-1.5	-5.4	-4.3	3.4	-2.7	32.79	2.5	-7.5	-1.8	**
NotAvl		F S T C	Vanguard Convertible Securities	V CVSX	EGI	E	-1.4	-6.2	-6.7	0.2	-2.4	12.10	1.5	-13.4	-2.0	**
VO		F S T	Vanguard Strtg Eqty	V SEQX	EMC	E	-1.4	-6.2	-5.2	2.9	-3.6	28.30	2.5	-10.5	-2.7	**
MGV		F S T	Vanguard Windsor	V WNDX	ELC	E	-3.3	-4.8	-5.8	4.6	-3.3	19.15	2.8	-9.7	-2.7	**
VOE		F S T	Vanguard Slctd Value	V ASVX	EV	E	-3.8	-5.0	-6.1	3.4	-3.7	25.85	2.6	-12.4	-3.2	**
VGK		F S T	Vanguard European Index	V EURX	EW	E	-2.0	-5.7	-6.6	2.2	-2.4	26.85	3.2	-11.6	-3.8	**
VBK		F S T	Vanguard SmlCap Grw th	V ISGX	ESC	E	-2.6	-8.4	-8.6	3.5	-3.4	34.18	2.8	-16.6	-4.7	**
VXF		F S T	Vanguard Extended Mrkt Index	V EXMX	EMC	E	-3.4	-8.2	-7.8	3.1	-4.0	63.61	2.8	-17.3	-4.8	**
VB		F S T	Vanguard SmlCap Index	V AESX	ESC	E	-3.8	-8.1	-7.6	3.1	-4.2	53.03	2.9	-17.7	-5.0	**
VBK		F S T	Vanguard Explorer	V EXPX	ESC	E	-4.3	-10.0	-10.1	3.3	-3.9	80.44	3.1	-22.1	-6.9	**
NotAvl		F S T	Vanguard Intl Value	V TRIX	EW	E	-6.4	-10.2	-11.3	2.5	-3.1	31.09	3.2	-25.6	-8.2	**
VOE		F S T	Vanguard Cap Value	V CVLX	EV	E	-9.8	-13.9	-13.8	5.7	-3.6	10.92	3.5	-32.4	-11.4	*
VWO		F S T	Vanguard Emrg Mrkt	V EIE X	EW	E	-15.5	-17.2	-18.6	-0.4	-2.5	20.81	3.9	-51.2	-20.1	*
NotAvl		F S T	Vanguard Prc Mtls	V GPMX	EG	E	-29.4	-26.7	-26.3	-5.6	-1.1	6.36	6.1	-86.2	-52.7	*

This table shows the Vanguard funds we track and their ETF counterparts (column 1). The green highlight in column 2 (Sell Eligible) means these 35 funds were part of the back test. For the most part, those will also be the funds in the portfolio, even if there are higher ranked funds. The reason for this is to provide continuity. The results of the back test are shown on page 3. The Sell Eligible column 2 also shows the three funds in the portfolio and their eligible sell date. For Vanguard, we assume at least a three-month holding period to avoid redemption charges. Please see page 4 for more legend details.

Back Test Results

How C-lect May Work For You



TRAILING RETURNS	to year end 2014
1 year	11.2
3 years	14.0
5 years	9.4
10 years	12.2
15 years	13.6
20 years	16.0
Inception	14.7

PAST PERFORMANCE	
2014	11.2
2013	36.0
2012	(2.2)
2011	3.1
2010	2.8
2009	20.4
2008	(0.1)
2007	18.3
2006	24.2
2005	14.2
2004	25.7
2003	21.5
2002	12.6
2001	4.9
2000	18.8
1999	55.1
1998	(0.2)
1997	25.8
1996	14.5
1995	28.2
1994	2.5
1993	10.9
1992	(1.0)
1991	22.4

The chart and tables show the back tested results of buying the top three Vanguard Family funds as measured by C, holding for at least 90 days, and rotating out of the laggards into the leaders on an ongoing continuous basis. On the chart, C-lect 3 Vanguard is the blue line following a rotation strategy, VWELX (Vanguard Wellington), a balanced fund, is the red line following a buy and hold approach, and SPY (S&P 500), a domestic large cap ETF, is the green line following a buy and hold approach. The period is from 1/1/1993 through 9/30/2015. Account start values were \$100,000. No additions or subtractions were made thereafter.

While buying and selling based on C, the risk-adjusted relative performance metric, over the years and decades in the back test produced superior results, in any one year the C ranking may or may not outperform the markets. This may be due to increased market volatility in that year.

For the test, one fund's sell and buy rebalanced all funds held, though in real time, one sell buys one fund for the same dollar amount would be practiced.

The same funds were used for the whole back test.

Dividends are reinvested.
Taxes are not considered.

Information does not take into account your personal situation.

Past performance does not guarantee future performance. There is no assurance that future periods will be equivalent or similar to past periods. In a back test, there is no guarantee that actual trades could actually be made at the actual prices. All investments have risk; you may lose principle when investing. There are no guarantees. Read the fund's prospectus.

Legend

ETF Altrntv	Sell Eligible	Legend	Fund Name	Symbol	S	A	12m	9m	6m	3m	1m	NAV	V	CS	C	Fmly Rank
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This information below identifies the column headings shown above, which are also on page 2.

ETF Altrntv is the Vanguard ETF alternative to its mutual fund.

Sell Eligible is the earliest date from purchase that the fund may be sold. For Vanguard, it is three months. If there is a green highlight, it means the fund was part of the back test. If there is a date, it means the portfolio owns the fund and it is the earliest date the fund may be sold, assuming a minimum of a three-month hold.

Legend shows fund specific information. It is a short list of where the fund is available for purchase (F is Fidelity, S is Schwab, T is TD Ameritrade). C means the fund is closed. R means there is a short-term redemption fee.

Fund Name is the fund name.

Symbol is the fund ticker symbol. This is the official identification.

S is Style. The first letter is for the A, the next letter or two is the style. BS is bond short-term. BI is bond intermediate. BL is bond long. BH is bond high-yield. BW is bond world. BU is bond government. EG is equity gold. EGI is equity growth/income. ELC is large cap. EMC is mid cap. ESC is small cap. EV is value. EW is world. H is hybrid. A is Asset. B is bond. H is hybrid. E is equity.

12m, 9m, 6m, 3m, 1m is a fund's returns over those periods. Dividends are reinvested.

NAV is net asset value.

V is volatility, a measure of risk.

CS is comet strength, a measure of relative performance to an index. The index is 60% of the World Growth Index and 40% of the World Income Index.

C is comet, the risk-adjusted relative performance metric. The higher the C is the better.

Fmly Rank is family rank. This shows where the fund ranks by C within the fund family. This is either 5, 4, 3, 2, or 1 comets. 5 is the highest ranked by C.

World Growth Index (WGI) is made up of 20% EEM, EFA, IWM, QQQ, SPY.

World Income Index (WII) is made up of 20% PCY, BSV, TLH, LQD, JNK.

World Hybrid Index is made up of 60% WGI and 40% WII.

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Email SMcKee@SelectionsAndTiming.com or call 1-800-800-6563 with any questions or comments.

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