

FIDELITY MONITOR & INSIGHT

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MESSAGE FROM JACK

Reining In Risk In Our Aggressive Model Portfolios

There are times when investors are rewarded for taking on excess risk, as was the case in 2020. Then there are times when they are punished for it, like late last year and the beginning of this year. Given heightened valuations and big rebounds in a large number of stocks, the stage was set for profit-taking in volatile stocks. But the main catalysts for last month's decline involved two primary factors.



Jack Bowers

The first is the potential for higher interest rates. While the Fed is currently looking at a slow-moving approach toward reducing its balance sheet and normalizing short-term interest rates, higher-than-expected wage inflation might lead to a more hawkish scenario. In January, the U.S. labor shortage was aggravated by 5-10% of the workforce being sidelined by severe weather and/or positive Omicron tests. While both situations are likely to resolve in a relatively short period of time, the resulting upward pressure on wages could have a lasting effect and may prompt the Fed to act sooner than expected.

Model portfolio trades and rating changes

are provided on pgs. 3 and 5, respectively.

The other risk factor is the potential for a big economic slowdown in China. The ingredients for a major real estate bust have been present for years (accommodative lending standards, excessive property values, declining population growth, a compelling need to initiate a property tax, high vacancy rates in some cities). But until last year there was no trigger. Now, with developers experiencing solvency risk, a very sudden slowdown has taken hold, which might last years. At the same time, the country's supply chain may be uniquely at risk from Omicron, which may be harder to successfully control using the zero-Covid policies that China employed to keep previous strains in check. The combination of a soft real estate market and industrial bottlenecks could deal a major hit to China's GDP growth, possibly

Message From Jack *cont'd on page 4*

MARKET OUTLOOK

Rising Volatility And Market Rotation Have Silver Lining

In the waning days of January, financial markets managed to climb a considerable wall of worry. Nevertheless, a raft of troubling news laid low stocks and bonds for the month.



John Bonnanzio

Time to run for the hills? Not exactly. As Jack states nearby, this is a time for caution, not despair.

For better or worse, the financial markets' level of concern will largely depend on its confidence in the Fed, and how well it orchestrates a so-called soft landing for the economy.

A soft landing, you may recall, is the high art of cooling inflation (which is at a hot 40-year high of 7.0%) without sending the economy into recession. With U.S. GDP expanding at a blistering annualized rate of 6.9% in the fourth quarter, it might seem that a recession is only a remote possibility. Unfortunately it's not.

In the face of Covid, the Fed slashed interest rates to pretty much zero. It further backstopped the economy and the financial markets by more than doubling its own portfolio of Treasuries and mortgage-backed bonds to \$9 trillion. And if those monetary levers weren't enough, there were plenty of fiscal levers being pulled as well.

Lest we forget, there was President Trump's \$2.2 trillion CARES Act and the Biden Administration's \$1.9 trillion American Rescue Plan. (Individual states stepped in with their own relief plans.) In addition to putting money in Americans' pockets, Washington helped to keep millions of people employed, sheltered and fed. In other words, these programs, along with the Fed's actions, successfully staved off a deep recession and perhaps a depression.

The Bill Comes Due

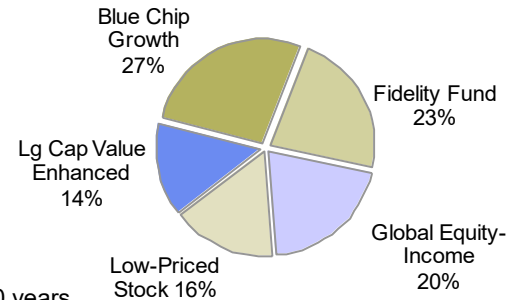
Now here's the downside. When a government spends money it does not have (more than \$5 trillion in two years), and that money quickly enters the economy, inflationary pressures build. Among them, the price of labor and commodities. Asset bubbles also tend to develop, which is the present concern for anyone holding

Market Outlook *cont'd on page 12*

Unique Opportunities Target Risk: 1.20 (Current: 1.00) Foreign Holdings: 18.0% **YTD Return: -5.7%**

Stocks: 98.3% Bonds: 0.0% Cash: 1.7% Alternatives*: 0.0% Yield: 0.4%

Holdings	Ticker	NAV	Shares	Value	Jan Ret
Blue Chip Growth	FBGRX	\$162.68	1,686.15	\$274,303	-11.4%
Fidelity Fund	FFIDX	72.51	3,169.43	229,815	-8.4
Global Equity-Income	FGILX	17.90	11,633.99	208,248	-2.3
Low-Priced Stock	FLPSX	52.37	3,066.97	160,617	-2.6
Lg Cap Value Enhanced	FLVEX	15.80	9,265.91	146,401	-1.4



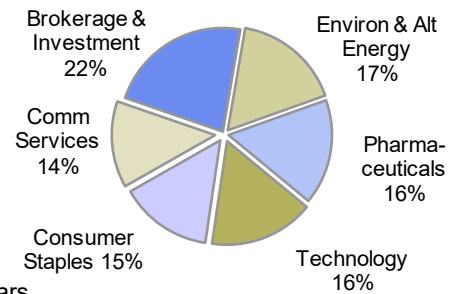
Current Value (3/31/99 = \$100,000) **\$1,019,385** **-5.7%**

For aggressive members who have no need for income or principal for more than 10 years,

Select Target Risk: 1.20 (Current: 1.01) Foreign Holdings: 11.3% **YTD Return: -9.5%**

Stocks: 99.9% Bonds: 0.0% Cash: 0.1% Alternatives*: 0.0% Yield: 0.0%

Holdings	Ticker	NAV	Shares	Value	Jan Ret
Brokerage & Investment	FSLBX	\$126.54	12,492.55	\$1,580,807	-4.2%
Environ & Alt Energy	FSLEX	31.74	37,427.92	1,187,962	-11.0
Pharmaceuticals	FPHAX	22.43	51,616.45	1,157,757	-5.4
Technology	FSPTX	26.24	43,929.97	1,152,722	-9.9
Consumer Staples	FDFA	97.71	10,437.37	1,019,836	-0.1
Communication Services	FBMPX	84.53	11,248.73	950,855	-6.9



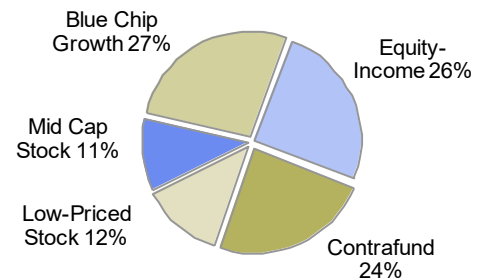
Current Value (12/31/88 = \$100,000) **\$7,049,939** **-9.5%**

For aggressive members who have no need for income or principal for more than 10 years.

Growth Target Risk: 1.00 (Current: 1.03) Foreign Holdings: 12.2% **YTD Return: -6.4%**

Stocks: 99.2% Bonds: 0.0% Cash: 0.7% Alternatives*: 0.0% Yield: 0.5%

Holdings	Ticker	NAV	Shares	Value	Jan Ret
Blue Chip Growth	FBGRX	\$162.68	8,431.08	\$1,371,568	-11.4%
Equity-Income	FEQIX	69.17	18,696.78	1,293,256	-1.5
Contrafund	FCNTX	17.22	71,222.82	1,226,457	-8.2
Low-Priced Stock	FLPSX	52.37	12,003.55	628,626	-2.6
Mid Cap Stock	FMCSX	40.59	13,867.93	562,899	-3.8



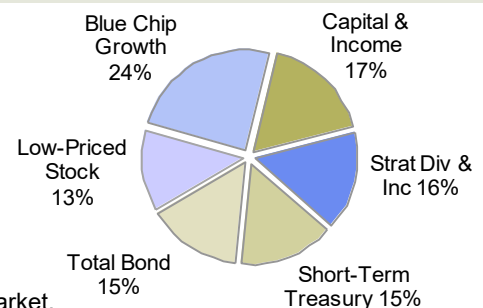
Current Value (12/31/86 = \$100,000) **\$5,082,807** **-6.4%**

For moderately aggressive members who want equity-dominated portfolios and have no income needs for at least 10 years.

Growth & Income Target Risk: 0.66 (Current: 0.66) Foreign Holdings: 13.2% **YTD Return: -4.8%**

Stocks: 47.9% Bonds: 29.2% Cash: 1.2% Alternatives*: 21.6% Yield: 1.3%

Holdings	Ticker	NAV	Shares	Value	Jan Ret
Blue Chip Growth	FBGRX	\$162.68	1,597.85	\$259,937	-11.4%
Capital & Income	FAGIX	10.80	17,088.11	184,552	-3.4
Strat Div & Inc	FSDIX	17.17	9,748.53	167,382	-3.3
Short-Term Treasury	FUMBX	10.44	15,319.71	159,938	-1.0
Total Bond	FTBFX	10.83	14,757.23	159,821	-1.9
Low-Priced Stock	FLPSX	52.37	2,659.22	139,263	-2.6



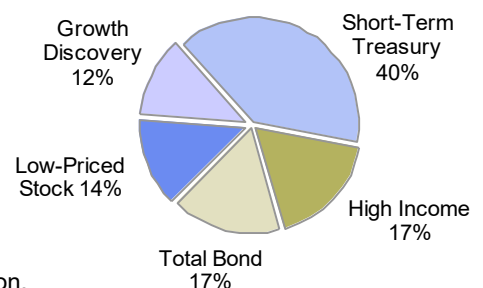
Current Value (12/31/93 = \$100,000) **\$1,070,893** **-4.8%**

A good choice for members retiring in 5-10 years looking for less volatility than the market.

Income Target Risk: 0.33 (Current: 0.35) Foreign Holdings: 13.0% **YTD Return: -2.7%**

Stocks: 25.5% Bonds: 52.1% Cash: 1.7% Alternatives*: 20.7% Yield: 1.6%

Holdings	Ticker	NAV	Shares	Value	Jan Ret
Short-Term Treasury	FUMBX	\$10.44	18,879.77	\$197,105	-1.0%
High Income	SPHIX	8.41	10,373.05	87,237	-2.9
Total Bond	FTBFX	10.83	7,741.83	83,844	-1.9
Low-Priced Stock	FLPSX	52.37	1,294.92	67,815	-2.6
Growth Discovery	FDSVX	51.10	1,192.85	60,955	-8.4



Current Value (12/31/91 = \$100,000) **\$496,956** **-2.7%**

For members needing income and protection of their purchasing power against inflation.

Q&As

Jack Tackles Bonds

Q: *It seems to me that **Inflation-Protected Bond Index** is an ideal investment for the current market environment; why is it rated Hold?*

A: While the fund generally moves up in value when inflation expectations are rising faster than interest-rate expectations, it can also move down when the opposite occurs. Because the fund currently has a negative income stream and a duration of 5.5 years, there is a risk that it could underperform regular bond funds going forward, especially if inflation reaches a peak and the Fed continues to shift in a hawkish direction.

Q: *Why are you holding **Short-Term Treasury Index**?*

A: We are employing a credit-risk barbell strategy by combining Short-Term Treasury Index with a high-yield bond fund (**High Income** in the *Income Model*; **Capital & Income** in the *G&I Model*). The combination provides a higher income stream and less interest-rate risk (with roughly equivalent overall risk) compared with holding a traditional investment-grade bond fund.

Q: *Why are you favoring **Total Bond** over other investment-grade funds with less interest-rate sensitivity?*

A: Total Bond is outperforming its benchmark more consistently than other bond funds, which potentially mitigates some of its added interest-rate sensitivity. We also believe that if the Fed becomes too aggressive, medium- to longer-duration funds will get hurt less compared with shorter-duration ones. With global growth already slowing, anything the Fed does to fight inflation more aggressively could cause the yield curve to flatten. ■

Model Portfolios Key:

¹Alternative investments include such areas as high-yield bonds, commodities, real estate. Portfolio trades and total returns do not take taxes into account. Some percentage figures may not sum to 100 due to rounding. Dividends are reinvested. Consider the tax implications of trades before you decide to buy or sell any fund. Any trades are detailed on p. 3 and are announced on regularly scheduled Friday evening Hotline updates via e-mail and web. **Annuity Model Portfolios** are on p. 10.

FUNDS YOU SHOULD BUY NOW

Growth: **Blue Chip Growth**, **Growth Company** and **OTC** are aggressive large-cap options; **Contrafund** and **Growth Discovery** are somewhat more conservatively positioned resulting in lower risk. **Fidelity Fund** is an even less risky choice. **Low-Priced Stock** and **Mid Cap Stock** have lower market caps and hold significantly less pricey value stocks.

Growth & Income: **Equity-Income** holds attractively valued, dividend-producing stocks; **Global Equity-Income** (see p. 4) is much the same but has a lower volatility owing to its 44% stake in foreign stocks. **Strategic Dividend & Income** emphasizes income over capital appreciation.

High-Yield: **High Income** and **Capital & Income** (which holds some stocks) are the best ways to benefit from a rebound in this asset class.

Taxable Bond: **Short-Term Treasury Index** effectively eliminates credit risk and has only limited interest-rate-risk. **Total Bond** provides diversified bond market exposure (mostly corporates and U.S. bonds) as well as some high-yield and emerging-market bonds.

Muni Bond Funds: **Limited Term Muni Income** is our preferred fund for tax-free bond income. ■

MODEL PORTFOLIO TRADES

As announced on our Hotline message of Friday, January 21, on Monday, January 24 we made the following model portfolio trades:

Unique Opportunities Model:

We sold our entire position in **Leveraged Company Stock** [FLVCX] and purchased **Fidelity Fund** [FFIDX] in its place.

We also sold all of **Value** [FDVLX] and purchased **Global Equity-Income** [FGILX] in its place.

Select Model:

We sold our entire position in **Select Consumer Discretionary** [FSCPX] and purchased **Select Consumer Staples** [FDFAX] in its place.

We also sold our entire position in **Select Health Care** [FSPHX] and purchased **Select Pharmaceuticals** [FPHAX] in its place.

Finally, we sold one-fourth of **Select Technology** [FSPTX] bringing it down to 16% of the model's assets. With the proceeds we increased our stake in **Select Brokerage & Investment** [FSLBX] to 22%.

Annuity Sector Model:

We sold our entire position in **VIP Consumer Discretionary** [FVHAC] and purchased **VIP Consumer Staples** [FCSAC] in its place.

Annuity Growth Model:

We sold one-fourth of **VIP Growth Opportunities** [FIDPC] down to 20% of the model's assets; with the proceeds we increased **VIP Contrafund** [FPDFC] to 35%. We also sold one-fourth of **VIP Value Strategies** [FRBSC] bringing it down to 13%; with the proceeds we increased our stake in **VIP Equity-Income** [FLOLC] to 32%.

Remember that fund tickers differ among versions of Fidelity's annuity offerings, so the above VIP tickers may not match yours, but the underlying funds are the same.

Trade Rationale: See *Jack's Message* on page 1.

weighing on the global economy at the same time.

The odds that one or both of these factors will have an additional negative impact on U.S. stocks is probably something around 50%, so the prudent action is to rein in our aggressive stock portfolios by bringing their risk scores down to a level on par with the S&P 500, which we did on January 24 (see trades on p. 3).

For the *Select Model*, where we already cut risk modestly two months ago, we have replaced **Consumer Discretionary** with **Consumer Staples**, while also exchanging **Health Care** for **Pharmaceuticals**. Both new positions have lower risk scores and should be less impacted if we see continued profit-taking in popular stocks. We also trimmed **Technology** in favor of **Brokerage & Investment**, betting that the latter will be hurt less by rising interest rates.

For the *Unique Opportunities Model*, we replaced the portfolio's two most volatile holdings with far less risky positions. For **Leveraged Company Stock**, the advantage of carrying a lot of debt in a period of rising prices is looking less compelling now that borrowing costs are going up, so we've replaced that fund with **Fidelity Fund** - it has a

similar industry mix, but 50% less volatility (mainly because running out of capital is not much of a risk factor for the companies in its portfolio).

We also replaced **Value** with **Global Equity-Income**. The latter has less emphasis on industrial and consumer stocks, a larger market cap, and 44% foreign stock exposure. Those three factors together make it 75% less volatile.

At this point there are no changes to our *Growth, Growth & Income*, and *Income Models*, as we believe they are in a good position for weathering any additional negative surprises. (Though we did tweak our *Annuity Growth Model* to bring it more in line with its risk target of 1.00.)

While our *G&I* and *Income* models have seen some negative impact from unfavorable developments on the bond side, bonds tend to get hurt much less than stocks in a downside scenario. And most of the time (but not always) they don't move in the same direction as stocks. There will be a time to become more opportunistic on the bond front, but probably not until inflation has clearly peaked. ■ — Jack Bowers

Portfolio Risk Comparisons

	Current	Pre-Trade	Long-Term
Models	Risk	Risk	Target Risk
Unique	1.00	1.24	1.20
Select	1.01	1.07	1.20
Growth	1.03	1.03	1.00
G&I	0.66	0.67	0.66
Income	0.35	0.36	0.33
Annuity Models			
Sector	1.03	1.09	1.20
Growth	1.03	1.07	1.00
G&I	0.72	0.74	0.66
Income	0.38	0.39	0.33

Risk, or relative volatility (rel. vol.), is the standard deviation of a model's monthly total returns over a trailing 36-month period divided by the standard deviation of the monthly returns of the S&P 500 stock index over the same time period. The S&P 500 has, by definition, a relative volatility of exactly 1.00. As such, a model with a rel. vol. of 1.20 is 20% more volatile (riskier) than the market, whereas a model with a rel. vol. of 0.66 is a third less risky than the market.

Note: The models' rel. vols. are calculated as if the current mix of fund holdings were held for the prior 36 months (rather than the actual rel. vol.) as this is the best predictor of future volatility. Also, keep in mind that over the past few years, growth fund volatility was lower than normal while value fund volatility was elevated. These trends may reverse going forward. ■

FUND PROFILE

Global Equity-Income

Purchased for the *Unique Opportunities Model* (see p. 3), **Global Equity Income** (GEI) pursues much the same investment strategy as its domestic counterpart **Equity-Income** (E-I), and is not altogether different from **Value**, the fund it has replaced.

With GEI and E-I both managed by Ramona Persaud, GEI does as its name suggests: it has a worldwide investment mandate. That translates into a roughly 44% foreign stake. While most of that is in developed markets (Europe and Japan), 8% is

in emerging markets (mainly Taiwan, South Korea, and India). While such investments suggest growth-investing, GEI prioritizes income via higher dividend-paying stocks.

For the most part, Ramona has run GEI with a broader blend of growth and value stocks compared to a heavier value focus in her domestic fund. But with foreign economies slowing and their markets struggling, Ramona sees an opportunity to pick up deeply discounted stocks that may have reduced or even eliminated their dividends during the pandemic. This has her eyeing deep cyclicals. Her goal: To in-

crease the fund's roughly 1% dividend yield and, in the process, generate capital gains.

Though GEI beat its benchmark last year, its foreign stake meant it significantly trailed Equity-Income and Value. But that's looking in the rearview mirror.

With its relative volatility of 0.87, GEI is about 75% less risky than Value, and much less risky than other U.S. stock funds. And there's this: If U.S. inflation continues to weaken the dollar, GEI's foreign stake will get a boost. In short, GEI has the potential to deliver solid risk-adjusted returns. ■

FUND COMMENTARY

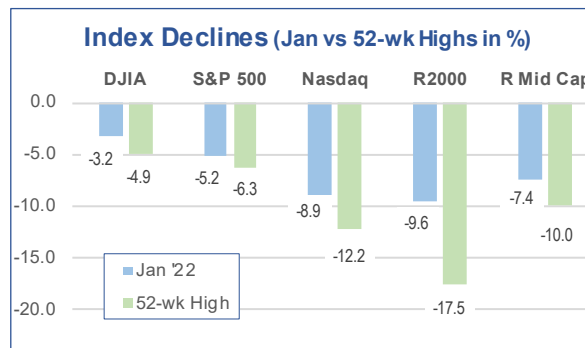
Late-Month Buying Trim January Losses

December's Santa Claus rally evaporated amid January's market volatility. With 2% market swings in the same day common, investor angst turned into panic selling. But cooler heads ultimately prevailed if for no other reason than the economy remains unexpectedly hot: it grew at an annualized rate of nearly 7% in the fourth quarter. Moreover, a variety of keystone stocks reported strong quarterly earnings. Both suggest further growth ahead.

With so many stocks experiencing double-digit haircuts, bargain-hunters moved in. Volatility cooled, and the last week (and day) of January saw a modest rebound. Still, January's selloff was especially painful for growth stocks and small caps.

Market Indexes

Thanks to big bank stocks, big pharma and cyclicals, the Dow Industrials (down 3.2%) fared better than its peers in January. It even did better than the S&P 500 which fell 5.2%. Unfortunately, the tech-rich Nasdaq Composite and small-cap Russell 2000 were true to their higher-risk reputations, having retreated into correction territory. While falling 8.9% and 9.6%, respectively, for the month, they both experienced double-digit declines from their 2021 high-water marks (see chart).



Stock Funds

January's stock fund performance generally lined up this way: Large-caps beat mid- and small-cap funds, while value-oriented offerings typically outpaced growth. That translates into the average large-cap value fund slipping 1.0% in January while the average mid- and small-cap growth fund dropped 13.7% and 13.0%, respectively.

Among Fidelity's marquee large-cap growth funds (which on average dropped 9.0%), **Blue Chip Growth** fared worst (down 11.4%), followed closely by **Growth Co.** (-11.2%) and **Magellan** (-10.8%). Elsewhere, **Contrafund** ended the month down 8.2% whereas **Low-Priced Stock** declined 2.6%.

On the plus side, **Equity Dividend Income** (up 1.3%) was one of only four U.S. stock funds to gain ground.

Commentary *cont'd on page 12*

February Scorecard Rating Changes

Mutual Funds	Ticker	Ratings			Comments
		Old	New		
Diversified Internat'l	FDIVX	B	H	↓	Recent performance suggests fund is more risky than its calculated volatility score.
Growth & Income	FGRIX	B	B	↑	Value tilt from its underweight in tech and overweight in financials mitigates current market risk.
Growth Strategies	FDEGX	B	H	↓	Recent performance suggests fund is more risky than its calculated volatility score.
Large Cap Stock	FLCSX	B	B	↑	Value tilt from its underweight in tech and overweight in financials mitigates current market risk.
Leveraged Co Stock	FLVCX	B	B	↓	Higher borrowing costs and investors' rising risk-aversion may weigh on performance.
Magellan	FMAGX	B	H	↓	Recent performance suggests fund is more risky than its calculated volatility score.
Mega Cap Stock	FGRTX	B	B	↑	Value tilt from its underweight in tech and overweight in financials mitigates current market risk.
New Millennium	FMLX	B	B	↑	Fund's emphasis on large-cap value had been a losing strategy; now it's a relative outperformer.
Sel Consum Discret	FSCPX	B	H	↓	Poor performance relative to benchmark.
Sel Consum Staples	FDFAX	H	B	↑	Consumers are so far accepting higher-priced goods; a lower-risk approach to sector investing.
Sel Health Care	FSPHX	B	B	↓	Twenty percent stake in biotech is raising fund's volatility to less appealing level.
Sel Med Tech & Dev	FSMEX	B	H	↓	Recent performance suggests fund is more risky than its calculated volatility score.
Sel Pharmaceuticals	FPHAX	H	B	↑	This is a lower-risk approach to playing the health care sector.
Sel Retailing	FSRPX	B	B	↓	Recent performance suggests fund is more risky than its calculated volatility score.
Trend	FTRNX	B	H	↓	Recent performance suggests fund is more risky than its calculated volatility score.
Water Sustainability	FLOWX	B	H	↓	Despite rising infrastructure spending, recent performance points to higher-than-expected risk.
Annuities					
VIP Consum Discret	FVHAC	B	H	↓	Poor performance relative to benchmark.
VIP Consum Staples	FCSAC	H	B	↑	Consumers are so far accepting higher-priced goods; a lower-risk approach to sector investing.
VIP Growth & Income	FLFNC	B	B	↑	Value tilt from its underweight in tech and overweight in financials mitigates current market risk.
VIP Health Care	FPDRC	B	B	↓	Twenty percent stake in biotech is raising fund's volatility to less appealing level.
Sector ETFs (MSCI)					
Consumer Discret	FDIS	B	B	↓	Shifting buying habits favor staples.
Consumer Staples	FSTA	H	B	↑	Consumers are so far accepting higher-priced goods; a lower-risk approach to sector investing.
Health Care	FHLC	B	B	↓	Nineteen percent stake in biotech is raising fund's volatility to less appealing level.

B = Buy; **B** = OK to Buy; **H** = Hold; **S** = OK to Sell; **S** = Sell; **N/C** = No Change; **NR** = No Rating (↑) Rating upgraded; (↓) Rating downgraded.

FIDELITY SCORECARD

JANUARY 31, 2022

Fund No.	Fund Ticker	Fund Name	\$Price (NAV)	Advice	Total Return (%)			Avg Annual (%)					Rel Vol (Risk) ¹	
					Jan	YTD	3 Mo.	1 Yr	3 Yr	5 Yr	10 Yr	15 Yr		
Comparative Indexes		S&P 500	4515.6		-5.2	-5.2	-1.6	23.3	20.7	16.8	15.4	10.2	1.00	
		Nasdaq Composite	14239.9		-8.9	-8.9	-7.9	9.7	26.2	21.6	18.9	13.6	1.12	
		Dow Jones Industrials	35131.9		-3.2	-3.2	-1.5	19.4	14.5	14.6	13.4	9.8	1.03	
		Russell 2000 (Small Caps)	2028.5		-9.6	-9.6	-11.5	-1.2	12.0	9.7	11.3	7.8	1.36	
		Bloomberg Barclays Agg Bond*			-2.1	-2.1	-2.2	-3.2	3.6	3.0	2.5	3.0	0.21	
Model Portfolios		Unique Opportunities			-5.7	-5.7	-4.3	15.2	24.3	17.4	14.7	9.7	1.00	
		Select			-9.5	-9.5	-10.5	8.7	20.7	16.6	15.7	11.0	1.01	
		Growth			-6.4	-6.4	-5.2	15.3	22.3	17.9	14.4	9.2	1.03	
		Growth & Income			-4.8	-4.8	-4.4	6.6	15.8	12.5	11.1	7.5	0.66	
		Income			-2.7	-2.7	-2.3	2.1	7.6	5.4	5.2	4.7	0.35	
											Rel Vol (Risk) ¹	Assets (\$Mil)		
LARGE CAP GROWTH					Average	-9.0	-9.0	-8.0	14.1	25.1	21.1	17.4	1.09	
312	FBGRX	Blue Chip Growth	162.68	Buy	-11.4	-11.4	-12.0	7.4	29.0	25.3	20.0	1.27	\$46,403	
307	FDCAX	Capital Appreciation	40.61	OK to Buy	-8.0	-8.0	-6.6	13.1	22.8	17.8	15.4	1.02	5,936	
22	FCNTX	Contrafund	17.22	Buy	-8.2	-8.2	-7.1	15.5	21.6	19.5	16.4	1.03	117,056	
3	FFIDX	Fidelity Fund	72.51	Buy	-8.4	-8.4	-4.4	23.3	24.2	18.7	15.6	0.98	7,029	
333	FTQGX	Focused Stock	31.32	OK to Buy	-9.8	-9.8	-8.7	18.2	23.1	21.8	16.7	1.08	3,603	
3336	FIFNX	Founders Fund	17.52	Hold	-8.0	-8.0	-9.9	9.3	--	--	--	--	81	
25	FDGRX	Growth Company (Closed)	32.39	Buy	-11.2	-11.2	-12.6	7.4	31.7	25.9	20.6	1.27	45,362	
339	FDSVX	Growth Discovery	51.10	Buy	-8.4	-8.4	-8.0	11.7	25.8	22.5	17.9	1.06	2,845	
1829	FLGEX	Lrge Cap Growth Enhcd Index	29.16	OK to Buy	-7.1	-7.1	-4.4	20.0	25.3	20.7	17.1	1.03	1,721	
2826	FSPGX	Lrge Cap Growth Index	27.09	OK to Buy	-8.6	-8.6	-6.1	17.4	26.4	22.2	--	1.09	9,320	
21	FMAGX	Magellan	13.71	Hold	-10.8	-10.8	-8.3	16.8	20.7	17.3	15.7	1.02	28,129	
1282	FNCMX	Nasdaq Composite Index	179.19	OK to Buy	-9.0	-9.0	-7.9	9.7	26.1	21.4	18.7	1.12	12,924	
93	FOCPX	OTC	17.72	Buy	-9.6	-9.6	-9.5	12.5	28.2	24.0	20.1	1.14	20,835	
320	FDSSX	Stock Selector All Cap	65.37	Hold	-5.8	-5.8	-4.6	16.7	20.5	16.2	14.8	1.05	1,592	
5	FTRNX	Trend	153.53	Hold	-10.7	-10.7	-9.6	11.9	26.2	21.4	17.7	1.09	3,177	
LARGE CAP BLEND					Average	-4.6	-4.6	-2.7	21.3	19.2	14.8	14.2	1.06	
2328	FXAIX	500 Index	156.76	OK to Buy	-5.2	-5.2	-1.6	23.3	20.7	16.8	15.4	1.00	387,086	
315	FDEQX	Disciplined Equity	59.15	Hold	-9.4	-9.4	-7.9	18.9	22.3	16.2	14.6	1.04	1,882	
330	FDGFY	Dividend Growth	34.54	OK to Buy	-5.8	-5.8	-2.5	21.2	13.4	11.9	11.9	1.18	6,076	
27	FGRIX	Growth & Income	52.10	Buy	0.5	0.5	2.1	27.2	17.9	13.4	13.7	1.05	7,713	
1827	FLCEX	Lrge Cap Core Enhcd Index	20.73	OK to Buy	-3.9	-3.9	-0.2	25.5	20.5	17.0	15.2	0.97	1,585	
338	FLCSX	Large Cap Stock	42.20	Buy	0.3	0.3	1.1	26.7	18.3	13.9	14.5	1.11	3,122	
361	FGRTX	Mega Cap Stock	19.44	Buy	0.3	0.3	1.1	27.6	20.3	15.3	14.6	1.07	1,129	
300	FMLX	New Millennium	41.58	Buy	-0.7	-0.7	-0.5	23.8	14.7	12.6	12.7	1.13	2,568	
2361	FSKAX	Total Market Index	125.74	Buy	-6.0	-6.0	-3.9	18.5	19.8	16.0	15.0	1.05	73,221	
5029	FULVX	U.S. Low Volatility Equity	11.14	Hold	-6.9	-6.9	-2.7	11.4	--	--	--	--	365	
6391	FSEBX	Sustainability U.S. Equity	10.39	Hold	-6.4	-6.4	-5.9	--	--	--	--	--	13	
2941	FITLX	U.S. Sustainability Index	19.89	OK to Buy	-6.2	-6.2	-3.9	24.4	21.5	--	--	1.01	2,475	
3396	FWOMX	Women's Leadership	14.49	OK to Buy	-8.6	-8.6	-9.6	9.7	--	--	--	--	112	
3231	FNILX	Zero Large Cap Index	15.93	OK to Buy	-5.6	-5.6	-2.8	21.0	20.9	--	--	1.04	5,454	
3227	FZROX	Zero Total Market Index	15.80	Buy	-5.8	-5.8	-3.5	19.2	20.0	--	--	1.07	12,837	
LARGE CAP VALUE					Average	-1.0	-1.0	1.7	24.7	14.1	10.5	11.9	1.07	
1271	FBCVX	Blue Chip Value	24.29	Buy	-0.4	-0.4	2.8	25.2	10.6	8.0	10.7	1.10	584	
319	FEQTX	Equity Dividend Income	28.25	OK to Buy	1.3	1.3	4.4	25.1	14.1	10.6	11.6	1.09	5,261	
23	FEQIX	Equity-Income	69.17	Buy	-1.5	-1.5	0.8	23.7	15.9	11.5	11.9	0.95	7,164	
1828	FLVEX	Lrge Cap Value Enhcd Index	15.80	Buy	-1.4	-1.4	1.4	27.0	15.0	11.9	13.1	1.07	6,413	
2830	FLCOX	Lrge Cap Value Index	15.96	OK to Buy	-2.3	-2.3	0.2	23.3	13.8	10.5	--	1.09	4,831	
708	FSLVX	Stock Sel Large Cap Value	26.06	OK to Buy	-1.3	-1.3	0.6	25.3	14.3	10.3	11.8	1.15	447	
832	FVDFX	Value Discovery	37.70	Buy	-1.5	-1.5	1.9	23.3	15.3	10.8	12.5	1.06	3,271	
MID-CAP GROWTH					Average	-13.7	-13.7	-15.7	2.4	18.9	14.9	13.5	1.14	
324	FDEGX	Growth Strategies	54.33	Hold	-14.5	-14.5	-15.0	6.2	18.9	14.9	13.5	1.14	2,905	
3403	FMDGX	Mid Cap Growth Index	25.94	OK to Buy	-12.9	-12.9	-16.3	-1.5	--	--	--	--	668	
MID-CAP BLEND					Average	-7.1	-7.1	-6.9	12.3	15.4	12.6	13.0	1.27	
2365	FSMAX	Extended Market Index	78.42	Hold	-10.1	-10.1	-14.1	-1.7	15.3	12.4	12.9	1.38	38,839	
2012	FMEIX	Mid Cap Enhanced Index	17.42	OK to Buy	-6.4	-6.4	-5.1	15.5	15.4	11.9	13.1	1.19	1,950	
2352	FSMDX	Mid Cap Index	29.63	OK to Buy	-7.4	-7.4	-6.9	13.8	16.1	12.8	13.3	1.19	24,400	
337	FMSX	Mid-Cap Stock	40.59	Buy	-3.8	-3.8	-0.9	24.3	16.8	13.6	13.2	1.18	6,157	
2412	FSSMX	Stock Selector Mid Cap	41.74	OK to Buy	-7.8	-7.8	-6.2	13.1	14.4	12.2	12.2	1.33	376	
3230	FZIPX	Zero Extended Market Index	12.08	Hold	-7.4	-7.4	-7.9	8.7	14.3	--	--	1.38	1,352	

Notes: *Fidelity's U.S. Bond Index used as a proxy for the Barclays Aggregate Bond Index. ¹Relative Volatility (Rel Vol) versus the S&P 500 over the last 36 months; 1.50 means the fund has been 50% more volatile. ²Duration is a measure of interest rate sensitivity. ³Stated yield is actual distributed yield over prior 12 months. ⁵Almost an Asset Allocation fund with 30%+ typically in foreign stocks. ⁶ Formerly named Four-in-One Index. (p) Partial year; (↑) Rating upgraded; (↓) Rating downgraded.

FIDELITY SCORECARD

JANUARY 31, 2022

Fund No.	Fund Ticker	Fund Name	\$Price (NAV)	Advice	Total Return (%)			Avg Annual (%)				Rel Vol (Risk) ¹	Assets (\$Mil)	
					Jan	YTD	3 Mo.	1 Year	3 Year	5 Year	10Year			
MID-CAP VALUE					Average	-3.2	-3.2	0.0	25.8	16.6	11.3	12.3	1.33	
316	FLPSX	Low -Priced Stock ⁵	52.37	Buy	-2.6	-2.6	0.4	19.3	15.4	12.1	12.1	1.10	\$27,007	
762	FSMVX	Mid Cap Value	29.34	Buy	-3.1	-3.1	0.6	29.1	13.3	8.6	11.7	1.30	1,173	
3404	FIMVX	Mid Cap Value Index	25.42	OK to Buy	-4.3	-4.3	-1.4	23.0	--	--	--	--	1,037	
39	FVDLX	Value	14.27	Buy	-2.9	-2.9	0.2	30.2	19.0	12.2	13.1	1.51	8,233	
14	FSLSX	Value Strategies	50.09	Buy	-3.3	-3.3	0.3	27.4	18.7	12.4	12.5	1.39	558	
SMALL CAP GROWTH					Average	-13.0	-13.0	-17.3	-10.0	16.9	16.4	15.3	1.25	
1388	FCPGX	Small Cap Growth	27.66	Hold	-12.7	-12.7	-17.4	-5.1	16.9	16.4	15.3	1.25	3,237	
3405	FECGX	Small Cap Growth Index	24.44	Hold	-13.3	-13.3	-17.2	-15.0	--	--	--	--	333	
SMALL CAP BLEND					Average	-8.5	-8.5	-8.3	9.8	14.2	10.2	11.6	1.36	
384	FSCRX	Small Cap Discovery	29.08	OK to Buy	-5.1	-5.1	-1.9	26.8	16.1	10.1	12.3	1.46	3,457	
2011	FCPEX	Small Cap Enhanced Index	13.89	Hold	-9.0	-9.0	-9.7	5.3	13.0	8.5	11.4	1.36	657	
2358	FSSNX	Small Cap Index	24.92	Hold	-9.6	-9.6	-11.4	-1.3	12.0	9.8	11.5	1.36	19,597	
340	FSLCX	Small Cap Stock	18.05	Hold	-9.7	-9.7	-9.7	6.7	12.3	9.7	10.5	1.38	1,419	
336	FDCSX	Stock Selector Small Cap	31.17	Hold	-9.2	-9.2	-8.9	11.5	17.7	12.9	12.3	1.23	1,523	
SMALL CAP VALUE					Average	-4.7	-4.7	-3.6	21.8	18.1	11.3	13.0	1.38	
1389	FCPVX	Small Cap Value	20.86	Buy	-3.5	-3.5	-1.8	29.0	18.1	11.3	13.0	1.38	2,890	
3406	FISVX	Small Cap Value Index	24.43	OK to Buy	-5.8	-5.8	-5.3	14.6	--	--	--	--	882	
REAL ESTATE														
1368	FIREX	International Real Estate	13.59	Hold	-5.1	-5.1	-4.5	7.5	9.7	10.8	10.2	0.85	365	
833	FRIFX	Real Estate Income	13.41	Hold	-2.8	-2.8	-0.9	15.1	8.5	7.4	8.0	0.97	2,886	
2355	FSRNX	Real Estate Index	18.52	OK to Buy	-8.1	-8.1	-1.4	29.1	8.2	7.2	8.6	1.16	3,074	
303	FRESX	Real Estate Investment	49.52	OK to Buy	-8.3	-8.3	-0.3	31.4	10.6	8.9	9.7	1.04	5,983	
ASSET ALLOCATION														
328	FASIX	Asset Manager 20%	14.50	Hold	-2.1	-2.1	-1.9	2.2	6.1	5.0	4.4	0.31	4,651	
1957	FTANX	Asset Manager 30%	12.52	Hold	-2.6	-2.6	-2.4	3.6	8.0	6.4	5.7	0.40	2,170	
1958	FFANX	Asset Manager 40%	13.53	Hold	-3.1	-3.1	-2.7	5.1	9.6	7.7	6.8	0.49	1,894	
314	FASMIX	Asset Manager 50%	21.45	Hold	-3.6	-3.6	-3.2	6.4	11.0	8.8	7.8	0.58	9,072	
1959	FSANX	Asset Manager 60%	15.54	Hold	-4.0	-4.0	-3.6	7.9	12.4	9.9	8.8	0.68	2,467	
321	FASGX	Asset Manager 70%	27.65	Hold	-4.3	-4.3	-3.8	9.7	13.8	10.9	9.7	0.77	4,496	
347	FAMRX	Asset Manager 85%	25.35	Hold	-5.0	-5.0	-4.4	11.9	15.9	12.6	11.2	0.90	2,203	
304	FBALX	Balanced	28.96	Buy	-4.6	-4.6	-3.1	13.5	17.2	13.5	11.6	0.76	37,206	
3083	FMSDX	Multi-Asset Income	14.56	Buy	-2.6	-2.6	-2.0	13.5	16.1	11.0	--	0.59	1,115	
355	FFNOX	Multi-Asset Index ⁶	58.54	Hold	-4.4	-4.4	-3.5	12.5	15.0	12.2	11.1	0.86	8,524	
4	FPURX	Puritan	25.74	Buy	-5.4	-5.4	-3.8	12.8	15.9	12.8	11.3	0.69	27,770	
INTERNATIONAL					Average	-4.8	-4.8	-5.7	3.2	12.3	10.5	8.4	1.02	
309	FICDX	Canada	64.71	Hold	0.2	0.2	0.9	29.7	14.6	9.7	6.4	1.11	811	
352	FHKCX	China Region	42.91	OK to Sell	-1.2	-1.2	-6.7	-19.9	15.7	14.9	10.8	1.09	1,382	
325	FDIVX	Diversified International	44.46	Hold	-8.3	-8.3	-7.6	5.4	14.8	10.7	8.8	0.92	10,229	
351	FSEAX	Emerging Asia	47.40	OK to Sell	-7.4	-7.4	-16.5	-25.4	18.8	16.0	10.2	1.21	1,448	
322	FEMKX	Emerging Markets	41.78	OK to Sell	-4.3	-4.3	-6.8	-5.4	16.2	14.4	8.0	0.97	4,523	
2374	FEDDX	Emerging Mkts Discovery	15.67	Hold	-2.2	-2.2	-5.1	2.9	10.7	8.9	6.9	1.16	259	
2344	FPADX	Emerging Markets Index	12.06	OK to Sell	-0.2	-0.2	-2.5	-6.3	7.3	8.4	4.2	1.02	6,818	
5031	FEOPX	Enduring Opportunities	14.40	OK to Buy	-10.7	-10.7	-11.4	7.9	--	--	--	--	19	
301	FIEUX	Europe	36.32	Hold	-6.1	-6.1	-7.9	1.3	11.2	9.0	8.0	1.06	760	
2406	FGILX	Global Equity Income	17.90	Buy	-2.3	-2.3	0.8	17.7	17.9	13.2	--	0.87	180	
2348	FSGGX	Global ex U.S. Index	14.90	Hold	-2.6	-2.6	-3.1	4.9	9.5	8.3	6.3	0.95	9,082	
335	FVFX	International Cap App	25.38	OK to Buy	-10.6	-10.6	-10.2	1.2	14.8	13.2	10.9	0.90	5,329	
305	FIGRX	International Discovery	49.00	OK to Buy	-7.4	-7.4	-7.9	3.9	14.7	10.9	8.9	0.96	4,635	
2010	FIENX	International Enhanced Index	10.84	Hold	-2.7	-2.7	-2.5	9.7	8.8	7.7	7.6	0.97	1,522	
1979	FIGFX	International Growth	19.16	OK to Buy	-9.0	-9.0	-8.1	7.0	15.6	12.6	9.8	0.91	1,656	
2363	FSPSX	International Index	47.42	Hold	-3.8	-3.8	-3.7	8.5	9.9	8.3	7.2	0.97	40,222	
818	FISMIX	International Small Cap	31.35	Hold	-2.9	-2.9	-3.8	10.3	11.5	9.6	10.4	1.08	1,419	
1504	FSCOX	Int'l Small Cap Opps (Closed)	23.37	OK to Buy	-11.9	-11.9	-11.2	5.5	14.8	12.4	11.2	1.01	1,092	
2988	FNIDX	International Sustainability Idx	12.84	Hold	-2.9	-2.9	-3.8	3.4	10.4	--	--	0.91	434	
1597	FVLX	International Value	9.33	OK to Buy	0.2	0.2	1.0	17.7	10.0	6.5	6.2	1.17	426	
350	FJPNX	Japan	17.03	Hold	-8.1	-8.1	-9.6	-3.9	12.0	9.6	8.2	0.84	154	
360	FJSCX	Japan Smaller Companies	14.87	OK to Sell	-5.6	-5.6	-6.9	-3.5	4.7	5.7	10.0	0.75	459	
349	FLATX	Latin America	20.38	OK to Sell	6.5	6.5	8.4	-2.9	-5.1	1.8	-4.2	1.95	259	
342	FNORX	Nordic	58.39	OK to Buy	-9.4	-9.4	-10.4	3.6	17.5	12.9	12.8	1.12	357	
94	FOSFX	Overseas	61.78	Buy	-8.8	-8.8	-7.2	12.1	15.0	11.7	10.5	0.98	8,602	
302	FPBFX	Pacific Basin	36.35	Hold	-6.8	-6.8	-9.2	-7.0	16.2	13.1	11.6	0.85	997	
2369	FTEMX	Total Emerging Markets	14.19	OK to Sell	-2.1	-2.1	-5.4	-8.9	7.1	7.1	5.4	0.98	289	
1978	FTIEX	Total International Equity	11.19	OK to Buy	-2.8	-2.8	-2.7	8.4	14.8	11.6	8.7	0.95	90	
2834	FTIHX	Total International Index	13.92	Hold	-2.9	-2.9	-3.5	5.1	9.7	8.4	--	0.97	8,992	
318	FWWFX	Worldwide	32.64	OK to Buy	-9.2	-9.2	-9.4	10.2	19.4	16.9	13.3	1.01	2,561	
3228	FZILX	Zero International Index	11.66	Hold	-2.8	-2.8	-3.4	5.2	9.8	--	--	0.98	3,201	

FIDELITY SCORECARD

JANUARY 31, 2022

Fund No.	Fund Ticker	Fund Name	\$Price (NAV)	Advice	Total Return (%)			Avg Annual (%)				Rel Vol (Risk) ¹	Assets (\$Mil)		
					Jan	YTD	3 Mo.	1 Year	3 Year	5 Year	10Year				
SPECIALTY															
6385	FCAEX	Climate Action	9.97	Hold	-10.5	-10.5	-10.9	--	--	--	--	--	\$21		
308	FCV SX	Convertible Securities	34.30	OK to Buy	-6.0	-6.0	-7.6	1.1	20.7	15.1	11.2	0.89	1,758		
2120	FFGCX	Global Commodity Stock	17.10	OK to Sell	5.3	5.3	8.1	32.4	14.9	10.1	3.2	1.33	572		
3488	FNSTX	Infrastructure Fund	12.17	OK to Sell	-3.2	-3.2	-3.0	6.0	--	--	--	--	54		
122	FLVCX	Leveraged Company Stock	43.88	OK to Buy	-7.9	-7.9	-6.4	16.4	20.6	14.2	13.0	1.40	2,272		
1329	FSDIX	Strategic Dividend & Income	17.17	Buy	-3.3	-3.3	-0.7	15.3	13.8	10.8	10.8	0.78	3,538		
1505	FSRRX	Strategic Real Return	9.33	OK to Buy	0.0	0.0	0.9	15.0	8.4	5.7	3.4	0.52	271		
311	FIUIX	Telecom & Utilities	27.43	OK to Sell	-1.9	-1.9	1.9	6.3	8.2	8.2	10.1	0.83	940		
DISRUPTOR/MEGATREND FUNDS					Average			-10.0	-10.0	-11.4	5.7				
6041	FARMX	Agricultural Productivity	18.96	OK to Buy	1.3	1.3	3.2	20.2	--	--	--	--	56		
6036	FBOTX	Disruptive Automation	17.67	OK to Buy	-12.7	-12.7	-10.0	4.1	--	--	--	--	61		
6037	FNETX	Disruptive Communications	14.46	Hold	-11.2	-11.2	-15.8	-2.3	--	--	--	--	13		
6038	FNTX	Disruptive Finance	18.07	Hold	-4.3	-4.3	-5.6	23.1	--	--	--	--	31		
6039	FMEDX	Disruptive Medicine	11.74	OK to Buy	-14.7	-14.7	-18.6	-7.0	--	--	--	--	18		
6040	FTEKX	Disruptive Technology	16.49	Hold	-13.9	-13.9	-21.1	-7.4	--	--	--	--	58		
6043	FGDFX	Disruptors	15.78	Hold	-11.3	-11.3	-14.2	1.7	--	--	--	--	85		
6042	FLOWX	Water Sustainability	14.80	Hold	-12.7	-12.7	-9.2	13.1	--	--	--	--	108		
SELECT PORTFOLIOS					Average			-5.5	-5.5	-4.1	17.5	17.9	14.1	13.5	1.33
502	FSAVX	Automotive	59.84	Hold	-8.9	-8.9	-6.8	14.3	30.8	20.1	15.4	1.60	191		
507	FSRBX	Banking	31.03	OK to Buy	4.3	4.3	2.0	41.3	15.0	9.5	13.3	1.74	691		
42	FBIOX	Biotechnology	16.23	Hold	-16.1	-16.1	-22.0	-27.0	7.0	8.2	14.0	1.37	5,498		
68	FSLBX	Brokerage & Investment	126.54	Buy	-4.2	-4.2	-6.8	37.6	26.1	18.7	15.2	1.22	1,253		
69	FSCHX	Chemicals	17.35	Hold	-7.5	-7.5	-1.0	24.8	13.3	8.6	10.7	1.40	785		
503	FBMPX	Communication Services	84.53	Buy	-6.9	-6.9	-10.7	8.2	20.3	14.4	16.2	1.12	1,044		
511	FSHOX	Construction & Housing	96.71	Buy	-10.5	-10.5	-0.3	37.6	31.8	21.3	18.3	1.34	838		
517	FSCPX	Consumer Discretionary	64.34	Hold	-10.6	-10.6	-9.5	6.7	18.6	16.5	15.7	1.24	449		
9	FDFAX	Consumer Staples	97.71	Buy	-0.1	-0.1	7.6	19.2	15.6	9.0	10.5	0.87	1,006		
67	FSDAX	Defense & Aerospace	15.41	OK to Buy	-2.8	-2.8	-3.8	9.1	3.7	9.4	12.2	1.47	1,387		
60	FSENX	Energy	41.78	Hold	18.3	18.3	15.0	76.6	6.7	0.2	1.3	2.39	1,963		
516	FSLEX	Environment & Alt Energy	31.74	Buy	-11.0	-11.0	-11.3	15.9	17.7	13.5	12.7	1.35	795		
66	FIDSX	Financial Services	13.40	OK to Buy	3.1	3.1	0.3	38.8	19.3	13.6	13.8	1.44	781		
98	FSVLX	FinTech	17.43	Hold	-4.0	-4.0	-11.1	19.7	13.0	12.2	13.3	1.68	181		
41	FSAGX	Gold	24.24	Sell	-6.8	-6.8	-5.5	-12.1	10.5	3.7	-5.4	2.01	1,176		
63	FSPHX	Health Care	27.99	OK to Buy	-13.4	-13.4	-14.5	-5.2	12.8	14.8	16.9	1.03	9,020		
505	FSHCX	Health Care Services	126.39	Buy	-8.1	-8.1	-3.1	10.5	12.8	15.8	15.1	1.17	1,167		
515	FCYIX	Industrials	31.28	OK to Buy	-8.5	-8.5	-6.9	14.0	11.4	8.9	11.1	1.30	368		
45	FSPCX	Insurance	69.26	Hold	0.0	0.0	-0.4	34.2	16.2	11.4	14.3	1.21	231		
353	FBSOX	IT Services	76.67	Hold	-7.5	-7.5	-9.8	1.4	16.8	19.6	18.4	1.29	3,190		
62	FDLSX	Leisure	16.56	OK to Buy	-5.2	-5.2	-1.6	21.5	17.7	15.7	14.1	1.50	652		
509	FSDPX	Materials	101.19	Hold	-7.4	-7.4	-1.1	24.6	15.8	8.8	8.0	1.30	639		
354	FSMEX	Medical Tech & Devices	71.40	Hold	-14.2	-14.2	-15.9	2.1	18.3	19.9	19.4	1.09	9,099		
514	FNARX	Natural Resources	31.67	Hold	12.1	12.1	10.1	56.9	9.8	2.3	1.2	2.04	484		
580	FPHAX	Pharmaceuticals	22.43	Buy	-5.4	-5.4	-5.9	4.3	14.3	12.8	12.5	0.87	916		
46	FSRPX	Retailing	20.71	OK to Buy	-10.2	-10.2	-9.7	6.1	20.9	19.9	19.6	1.23	3,904		
8	FSELX	Semiconductors	20.49	Buy	-14.1	-14.1	1.2	34.0	42.4	30.4	24.7	1.53	8,610		
28	FSCSX	Software & IT Services	28.10	OK to Buy	-6.3	-6.3	-9.2	13.0	27.5	24.9	21.5	1.11	12,150		
7	FDCPX	Tech Hardware	105.29	OK to Buy	-8.1	-8.1	1.3	13.1	28.1	22.9	16.2	1.09	952		
64	FSPTX	Technology	26.24	Buy	-9.9	-9.9	-8.6	9.4	36.3	28.2	21.6	1.21	11,739		
96	FSTCX	Telecommunications	56.15	OK to Sell	-2.4	-2.4	-4.8	-4.6	9.1	4.8	9.3	0.74	209		
512	FSRFX	Transportation	102.74	OK to Buy	-5.6	-5.6	-1.8	26.0	13.3	11.5	13.9	1.28	667		
65	FSUTX	Utilities	101.49	OK to Sell	-3.4	-3.4	3.4	14.6	10.9	11.9	11.6	0.95	1,080		
963	FWRLX	Wireless	13.56	Hold	-4.6	-4.6	0.7	7.2	23.8	17.7	14.1	0.94	429		
SECTOR ETFs					Average			-3.8	-3.8	-1.2	23.5	16.7	13.0	1.24	
	FCOM	MSCI Communication Services	48.24	OK to Buy	-6.1	-6.1	-9.8	7.2	16.5	11.2	--	1.11	852		
	FDIS	MSCI Consumer Discretionary	79.63	OK to Buy	-9.8	-9.8	-9.0	9.4	24.7	20.2	--	1.36	2,000		
	FSTA	MSCI Consumer Staples	45.73	Buy	-2.0	-2.0	6.1	19.9	15.4	10.5	--	0.78	912		
	FENY	MSCI Energy	17.82	Hold	17.4	17.4	13.7	74.5	6.1	1.5	--	2.44	1,000		
	FNCL	MSCI Financials	55.65	OK to Buy	-0.5	-0.5	-3.1	36.3	16.6	12.4	--	1.36	1,900		
	FHLC	MSCI Health Care	63.22	OK to Buy	-7.9	-7.9	-4.8	8.3	14.7	15.2	--	0.90	3,000		
	FIDU	MSCI Industrials	52.59	OK to Buy	-6.4	-6.4	-5.0	16.7	14.7	11.7	--	1.26	925		
	FTEC	MSCI Information Technology	124.77	Buy	-7.9	-7.9	-2.5	21.1	34.2	27.9	--	1.17	7,200		
	FMAT	MSCI Materials	46.83	Hold	-7.0	-7.0	-1.0	21.7	17.7	11.3	--	1.29	529		
	FREL	MSCI Real Estate	31.87	Hold	-8.2	-8.2	-1.5	29.2	12.2	10.4	--	1.07	2,300		
	FUTY	MSCI Utilities	44.78	OK to Sell	-3.3	-3.3	4.1	14.6	10.8	10.3	--	0.94	1,200		

FIDELITY SCORECARD JANUARY 31, 2022

Fund No.	Fund Ticker	Fund Name	\$Price (NAV)	Advice	Total Return (%)			Avg Annual (%)				SEC %Yield	Dur ² (Yrs)	Rel Vol (Risk) ¹	
					Jan	YTD	3 Mo.	1 Yr	3 Yr	5 Yr	10 Yr				
TAXABLE BOND					Average	-1.6	-1.6	-1.6	-2.3	3.5	2.9	2.2	1.29	5.4	0.22
2267	FCONX	Conservative Income Bond	10.03	Hold	0.0	0.0	-0.1	-0.1	1.1	1.3	1.0	0.18	0.3	0.07	
2208	FCBFX	Corporate Bond	12.01	Hold	-3.2	-3.2	-3.3	-3.3	5.8	4.7	4.3	2.32	8.2	0.44	
6379	FFEBX	Environmental Bond	9.74	NR	-1.8	-1.8	-1.9	--	--	--	--	1.29	--	--	
2423	FGBFX	Global Credit	9.50	Hold	-2.3	-2.3	-2.3	-2.1	5.7	4.7	--	1.96	7.6	0.45	
15	FGMNX	GNMA (Ginnie Mae)	11.42	OK to Buy	-1.3	-1.3	-1.4	-2.2	2.1	1.9	1.9	0.89	3.0	0.09	
54	FGOVX	Government Income	10.43	Hold	-1.7	-1.7	-1.7	-3.1	2.9	2.3	1.8	0.88	6.3	0.22	
2418	FIPDX	Inflation-Protected Index	10.92	Hold	-2.2	-2.2	-0.9	3.3	7.1	4.6	--	0.01*	5.5	0.23	
32	FTHRFX	Intermediate Bond	10.86	OK to Buy	-1.3	-1.3	-1.5	-2.4	3.5	2.8	2.4	1.41	4.0	0.18	
452	FSTGX	Intermediate Gov't Income	10.45	Hold	-1.2	-1.2	-1.4	-3.1	2.1	1.7	1.3	0.70	4.0	0.15	
3045	FUAMX	Intermediate Treasury Index	10.92	Hold	-2.0	-2.0	-1.5	-4.3	3.4	2.8	2.1	1.62	6.7	0.27	
4506	FBIX	International Bond Index	9.86	Hold	-1.2	-1.2	-0.9	-2.5	--	--	--	1.09	8.1	--	
26	FBNDX	Investment Grade Bond	8.19	Buy	-2.0	-2.0	-1.9	-2.2	4.9	3.9	3.2	1.62	6.3	0.23	
2622	FJRLX	Limited Term Bond	11.53	Buy	-1.0	-1.0	-1.3	-2.1	2.6	2.2	2.0	1.23	2.7	0.16	
662	FFXSX	Limited Term Government	9.99	Hold	-1.0	-1.0	-1.2	-2.3	1.6	1.3	1.0	0.39	2.8	0.10	
3047	FNBGX	Long-Term Treasury Index	14.18	OK to Sell	-3.7	-3.7	-2.9	-5.1	7.0	5.5	4.0	2.08	18.6	0.78	
40	FMSFX	Mortgage Securities	11.19	OK to Buy	-1.5	-1.5	-1.7	-2.7	2.4	2.2	2.2	0.91	4.0	0.11	
450	FSHBX	Short-Term Bond	8.55	Buy	-0.6	-0.6	-0.9	-1.5	2.0	1.7	1.4	0.82	1.8	0.10	
3041	FNSOX	Short-Term Bond Index	10.03	OK to Buy	-0.9	-0.9	-1.2	-2.0	2.3	--	--	1.20	2.7	0.09	
3049	FUMBX	Short-Term Treasury Index	10.44	Buy	-1.0	-1.0	-1.2	-2.1	1.9	1.6	1.2	1.06	2.7	0.11	
3086	FNDSX	Sustainability Bond Index	10.45	Hold	-2.0	-2.0	-2.1	-3.2	3.4	--	--	1.60	6.3	0.20	
820	FTBFX	Total Bond	10.83	Buy	-1.9	-1.9	-1.8	-1.6	5.0	3.9	3.5	2.07	6.1	0.24	
2326	FXNAX	U.S. Bond Index	11.71	Hold	-2.1	-2.1	-2.2	-3.2	3.6	3.0	2.5	1.78	6.5	0.21	
HIGH-YIELD BOND					Average	-2.2	-2.2	-1.9	1.9	4.9	4.4	5.1	3.56	3.4	0.51
38	FAGIX	Capital & Income	10.80	Buy	-3.4	-3.4	-2.5	7.3	9.8	7.8	7.8	3.09	3.2	0.70	
814	FFRHX	Floating Rate High Income	9.47	Buy	0.3	0.3	0.4	4.7	4.4	3.9	3.8	3.10	0.2	0.47	
1366	FHIFX	Focused High Income	8.58	OK to Buy	-3.3	-3.3	-2.6	0.2	4.7	4.3	4.7	3.54	4.2	0.41	
2297	FGHNX	Global High Income	9.33	OK to Buy	-2.4	-2.4	-2.5	0.8	4.9	4.6	5.4	3.93	3.3	0.61	
455	SPHIX	High Income	8.41	Buy	-2.9	-2.9	-2.0	1.6	4.2	4.3	5.2	4.45	3.6	0.51	
331	FNMIK	New Markets Income	13.88	Hold	-2.2	-2.2	-3.1	-2.9	1.7	2.1	4.1	4.68	6.1	0.63	
2580	FSAHX	Short Duration High Income	9.29	Buy	-1.5	-1.5	-1.1	1.7	3.8	3.5	--	3.29	1.8	0.35	
3082	FADMX	Strategic Income	12.42	Buy	-1.9	-1.9	-1.6	2.0	5.6	4.8	4.4	2.40	4.5	0.39	
MUNICIPAL BOND					Average	-2.4	-2.4	-1.6	-1.5	3.1	3.0	2.9	0.85	4.8	0.23
434	FSAZX	Arizona Muni Income	12.15	Hold	-2.6	-2.6	-1.7	-1.7	3.1	3.1	3.2	0.80	5.3	0.24	
1534	FCSTX	Calif Limited Term Tax Free	10.56	Buy	-1.8	-1.8	-1.6	-1.8	1.6	1.6	1.5	0.48	3.1	0.14	
91	FCTFX	California Muni Income	12.94	Hold	-2.7	-2.7	-1.8	-1.7	3.4	3.4	3.5	0.90	5.5	0.26	
407	FICNX	Connecticut Muni Income	11.59	Hold	-2.4	-2.4	-1.7	-1.3	3.5	3.3	2.8	0.86	4.9	0.24	
2578	FCRDX	Conservative Income Muni	10.01	OK to Buy	-0.3	-0.3	-0.3	-0.4	0.7	0.9	--	0.02	0.5	0.04	
36	FLTXX	Interm Municipal Income	10.52	OK to Buy	-2.3	-2.3	-1.6	-1.8	3.0	3.0	2.6	0.82	4.2	0.23	
404	FSTFX	Limited Term Muni Income	10.57	Buy	-1.8	-1.8	-1.6	-1.8	1.8	1.8	1.4	0.52	2.8	0.14	
429	SMDMX	Maryland Muni Income	11.43	Hold	-2.6	-2.6	-1.6	-1.3	3.0	3.1	2.8	0.77	5.4	0.25	
70	FDMMX	Mass Muni Income	12.16	Hold	-2.6	-2.6	-1.6	-1.8	3.2	3.1	2.9	0.88	5.3	0.25	
81	FMHTX	Michigan Muni Income	12.30	Hold	-2.5	-2.5	-1.7	-1.7	3.4	3.5	3.1	0.93	5.4	0.23	
82	FIMIX	Minnesota Muni Income	11.71	Hold	-2.3	-2.3	-1.6	-2.0	3.0	2.9	2.6	0.82	4.8	0.23	
3469	FMBIX	Municipal Bond Index	19.77	Hold	-2.6	-2.6	-1.8	-1.9	--	--	--	1.24	5.3	--	
37	FHIGX	Municipal Income	13.15	OK to Buy	-2.9	-2.9	-1.8	-1.1	4.0	4.0	3.6	1.09	5.7	0.32	
416	FNJHX	New Jersey Muni Income	12.16	Hold	-2.9	-2.9	-2.0	-1.9	4.0	4.2	3.3	0.85	5.5	0.32	
71	FTFMX	New York Muni Income	13.20	Hold	-3.1	-3.1	-1.9	-1.2	3.5	3.3	3.1	1.11	6.0	0.29	
88	FOHFX	Ohio Muni Income	12.12	Hold	-2.6	-2.6	-1.8	-1.5	3.1	3.2	3.3	0.88	5.2	0.24	
402	FPXTX	Pennsylvania Muni Income	11.27	Hold	-2.6	-2.6	-1.5	-0.9	3.6	3.5	3.3	1.04	5.5	0.25	
90	FTABX	Tax-Free Bond	11.79	OK to Buy	-2.8	-2.8	-1.7	-1.2	4.1	4.0	3.7	1.25	5.8	0.31	

Yields on municipal funds are not directly comparable to yields on taxable funds. In muni funds your effective yield will be higher as your tax-bracket increases. *12 month distributed yield.

TAXABLE GOV'T MONEY MARKETS		Total Return (%)		SEC %Yield	
		Jan	YTD		
55	FDRXX	Gov't Cash Reserves	0.00	0.00	0.01
458	SPAXX	Government MM	0.00	0.00	0.01
2742	FZFX	Treasury MM	0.00	0.00	0.01
415	FDLXX	Treasury Only MM (closed)	0.00	0.00	0.01
PRIME MONEY MARKETS					
454	SPRXX	Money Market*	0.00	0.00	0.01
*Available in premium class shares (FZDXX) with a \$100,000 minimum (\$10,000 for certain Fidelity retirement accounts) and lower expenses.					
NATIONAL MUNICIPAL MONEY MARKETS					
10	FTEXX	Municipal Money Market	0.00	0.00	0.01
275	FMOXX	Tax-Exempt MM	0.00	0.00	0.01

STATE MUNICIPAL MONEY MARKETS			Total Return (%)		SEC %Yield
			Jan	YTD	
433	FSAXX	Arizona Muni MM	0.00	0.00	0.01
97	FCFX	California Muni MM	0.00	0.00	0.01
457	FSPXX	California AMT Tax-Free	0.00	0.00	0.01
418	FCMXX	Connecticut Muni MM	0.00	0.00	0.01
426	FMSXX	Mass AMT Tax-Free	0.00	0.00	0.01
74	FDMXX	Massachusetts Muni MM	0.00	0.00	0.01
420	FMXX	Michigan Muni MM	0.00	0.00	0.01
417	FNJXX	New Jersey Muni MM	0.00	0.00	0.01
423	FSJXX	New Jersey AMT Tax-Free	0.00	0.00	0.01
92	FNYXX	New York Muni MM	0.00	0.00	0.01
422	FSNXX	New York AMT Tax-Free	0.00	0.00	0.01
419	FOMXX	Ohio Muni MM	0.00	0.00	0.01
401	FPTXX	Pennsylvania Muni MM	0.00	0.00	0.01

FIDELITY SCORECARD JANUARY 31, 2022

Fund No.	Fund Ticker	Fund Name	Style	\$Price (NAV)	Advice	Total Return (%)			Avg Annual (%)				Rel Vol (Risk) ¹
						Jan	YTD	3 Mo.	1 Year	3 Year	5 Year	10 Year	
FIDELITY PERSONAL RETIREMENT ANNUITY PORTFOLIOS													
Model Portfolios	Annuity Sector Model					-8.0	-8.0	-7.6	11.8	21.1	17.0	15.6	1.03
	Annuity Growth Model					-7.4	-7.4	-7.2	14.1	21.6	16.9	14.2	1.03
	Annuity Growth & Income Model					-5.0	-5.0	-5.7	5.2	14.9	11.1	10.0	0.72
	Annuity Income Model					-2.8	-2.8	-2.7	3.7	8.2	5.7	5.0	0.38
9067	FLRQC	Fid VIP Asset Manager	Allocation	27.17	Hold	-3.6	-3.6	-3.3	6.0	10.7	8.5	7.4	0.58
9066	FAEEC	Fid VIP Asset Manager: Growth	Allocation	30.35	Hold	-4.3	-4.3	-3.9	9.2	13.4	10.6	9.2	0.76
9069	FJBAC	Fid VIP Balanced	Allocation	39.37	Buy	-4.6	-4.6	-3.2	13.1	16.9	13.1	11.1	0.76
9461	FBIQC	Fid VIP Bond Index	Bond	11.31	Hold	-2.1	-2.1	-2.3	-3.5	3.2	--	--	0.21
9173	FVTAC	Fid VIP Communication Services	Sector	30.22	Buy	-6.9	-6.9	-10.8	7.5	19.9	12.6	13.2	1.13
9081	FVHAC	Fid VIP Consumer Discretionary	Sector	53.97	Hold↓	-10.4	-10.4	-9.2	7.0	18.6	16.3	15.4	1.24
9171	FCSAC	Fid VIP Consumer Staples	Sector	37.63	Buy↑	-0.2	-0.2	7.4	18.5	15.1	9.2	11.3	0.86
9065	FPDFC	Fid VIP Contrafund	Large Growth	50.45	Buy	-8.6	-8.6	-6.5	17.6	22.0	17.0	14.6	1.00
9148	FPRGC	Fid VIP Disciplined Small Cap	Small Blend	29.46	OK to Buy	-9.0	-9.0	-9.7	5.1	12.7	8.1	10.9	1.36
9074	FZAMC	Fid VIP Dynamic Capital App	Large Growth	53.77	OK to Buy	-7.9	-7.9	-6.5	13.1	22.5	17.5	15.3	1.01
9198	FEMAC	Fid VIP Emerging Markets	Emg Mkts	15.96	OK to Sell	1.8	1.8	-0.3	-4.5	15.2	13.7	7.4	1.05
9085	FJLLC	Fid VIP Energy	Sector	16.43	Hold	18.0	18.0	14.7	75.6	6.2	-0.1	1.1	2.39
9061	FLOLC	Fid VIP Equity-Income	Large Value	32.98	Buy	-1.6	-1.6	0.7	23.8	15.6	11.1	11.6	0.95
9469	FEMJC	Fid VIP Extended Market Index	Mid Blend	13.77	Hold	-7.4	-7.4	-8.0	8.3	13.7	--	--	1.34
9083	FONNC	Fid VIP Financial Services	Sector	22.87	OK to Buy	2.8	2.8	0.0	38.1	18.8	13.2	13.6	1.44
9361	FFLCC	Fid VIP Floating Rate High Income	High-Yield Bond	12.97	OK to Buy	0.2	0.2	0.4	4.0	4.4	3.7	--	0.45
9157	FMPAC	Fid VIP FundsManager 20	Allocation	18.14	Hold	-2.2	-2.2	-1.9	1.7	5.5	4.6	3.9	0.26
9158	FMPBC	Fid VIP FundsManager 50	Allocation	24.03	Hold	-3.7	-3.7	-3.1	6.4	10.5	8.4	7.3	0.54
9197	FMPCC	Fid VIP FundsManager 60	Allocation	23.83	Hold	-4.1	-4.1	-3.4	8.2	12.0	9.6	8.5	0.65
9159	FMPDC	Fid VIP FundsManager 70	Allocation	27.35	Hold	-4.5	-4.5	-3.6	10.0	13.4	10.6	9.4	0.74
9160	FMPDC	Fid VIP FundsManager 85	Allocation	29.61	Hold	-5.2	-5.2	-4.0	12.5	15.3	12.3	10.9	0.89
9059	FTNJC	Fid VIP Gov't Money Market	Money Mkt	11.71	--	-0.0	-0.0	-0.1	-0.2	0.5	0.7	0.2	0.02
9062	FMNDC	Fid VIP Growth	Large Growth	61.51	Buy	-8.4	-8.4	-8.1	11.4	25.7	22.4	17.6	1.06
9070	FLFNC	Fid VIP Growth & Income	Large Blend	40.87	Buy↑	0.4	0.4	1.9	26.8	17.5	13.0	13.3	1.05
9068	FIDPC	Fid VIP Growth Opportunities	Large Growth	73.86	Buy	-13.7	-13.7	-18.5	-5.7	26.5	26.8	19.7	1.36
9084	FPDRC	Fid VIP Health Care	Sector	63.97	OK to Buy↓	-13.4	-13.4	-14.5	-5.2	10.8	13.7	16.1	1.02
9060	FBBLC	Fid VIP High Income	High-Yield Bond	23.72	Buy	-2.9	-2.9	-2.1	1.6	4.3	3.9	4.7	0.52
9064	FXVLT	Fid VIP Index 500	Large Blend	48.50	OK to Buy	-5.2	-5.2	-1.7	22.9	20.3	16.4	15.0	1.00
9082	FBALC	Fid VIP Industrials	Sector	45.54	OK to Buy	-8.6	-8.6	-7.0	13.6	11.3	8.7	10.9	1.29
9473	FFIQC	Fid VIP International Index	Diversified Int'l	12.08	Hold	-2.7	-2.7	-3.6	4.6	9.2	--	--	0.95
9076	FVJIC	Fid VIP Int'l Capital App	Diversified Int'l	29.42	OK to Buy	-10.7	-10.7	-10.3	0.9	14.4	13.0	10.6	0.90
9063	FTLKC	Fid VIP Investment Grade Bond	Inv Grd Bond	18.83	Buy	-2.0	-2.0	-1.9	-2.3	4.5	3.5	2.9	0.24
9172	FVMAC	Fid VIP Materials	Sector	29.93	Hold	-7.5	-7.5	-1.3	23.9	16.1	8.9	7.9	1.30
9071	FNBSK	Fid VIP Mid Cap	Mid Blend	41.59	Buy	-7.2	-7.2	-5.6	15.8	15.3	11.0	11.4	1.27
9088	FEMMC	Fid VIP Overseas	Diversified Int'l	24.71	Buy	-8.8	-8.8	-7.3	12.0	14.6	11.4	8.7	0.98
9072	FFWKC	Fid VIP Real Estate	Sector	31.99	OK to Buy	-8.6	-8.6	-2.5	27.4	9.1	7.2	8.4	1.00
9075	FGDQC	Fid VIP Strategic Income	High-Yield Bond	22.89	Buy	-2.1	-2.1	-1.7	1.5	5.2	4.4	4.0	0.37
9086	FYENC	Fid VIP Technology	Sector	114.33	Buy	-9.0	-9.0	-4.8	17.7	39.0	30.0	21.9	1.25
9465	FTMJC	Fid VIP Total Market Index	Large Blend	16.63	Buy	-5.8	-5.8	-3.6	18.6	19.4	--	--	1.04
9087	FXRRC	Fid VIP Utilities	Sector	40.77	OK to Sell	-3.4	-3.4	3.4	14.2	10.3	11.4	11.3	0.96
9079	FKMSC	Fid VIP Value	Large Value	35.51	OK to Buy	-1.7	-1.7	1.3	28.2	17.4	11.7	12.6	1.34
9073	FRBSC	Fid VIP Value Strategies	Mid Value	37.22	Buy	-3.3	-3.3	0.2	27.2	18.4	12.2	12.0	1.38
9347	FBMEC	Black Rock Global Allocation	Global Allocation	18.33	Hold	-4.0	-4.0	-4.5	2.5	11.2	8.3	6.6	0.68
9349	FTMEC	Franklin Templeton Global Bond	Global Bond	10.23	Hold	-0.2	-0.2	-0.4	-4.5	-3.8	-1.2	0.4	0.25
9348	FFMEC	Franklin Templeton US Gov't	Intermed Gov't	10.92	Buy	-1.2	-1.2	-1.6	-3.2	1.4	1.3	0.9	0.11
9285	FIGXC	Invesco Global Core Eqty	Global Stock	18.72	Hold	-5.5	-5.5	-6.0	10.9	12.3	9.2	8.3	1.10
9147	FPRLC	Lazard Retirement Emerging Mkts	Emg Mkts	18.72	OK to Sell	2.1	2.1	1.6	7.7	4.1	4.5	2.7	1.14
9143	FPRMC	Morgan Stanley Emerg Mkt Debt	Emg Mkt Bond	20.52	Hold	-2.9	-2.9	-3.5	-4.1	2.6	2.7	3.1	0.64
9144	FPRNC	Morgan Stanley Emerg Mkt Equity	Emg Mkts	17.83	OK to Sell	-3.3	-3.3	-5.1	-3.3	7.8	7.3	4.0	1.10
9146	FPRPC	Morgan Stanley Global Strategist	Diversified Int'l	18.08	Hold	-2.3	-2.3	-1.8	5.9	9.2	7.8	6.5	0.71
9346	FPMEC	Pimco Commodity Real Return	Commodities	8.43	Hold	7.5	7.5	4.0	38.2	14.6	6.9	-1.8	1.03
9276	FPMBC	Pimco VIT Low Duration	Shrt-Term Bond	12.18	Buy	-0.8	-0.8	-1.3	-2.1	1.3	1.1	1.1	0.09
9277	FPNBC	Pimco VIT Real Return	TIPS	15.92	Hold	-2.3	-2.3	-1.0	2.4	6.8	4.4	2.3	0.25
9278	FPOBC	Pimco VIT Total Return	Intermed Bond	15.14	Hold	-1.9	-1.9	-1.8	-2.9	3.7	3.1	2.8	0.22

Annuity Sector		Annuity Growth		Annuity Growth & Income		Annuity Income	
Fund	Allocation	Fund	Allocation	Fund	Allocation	Fund	Allocation
VIP Technology	28%	VIP Contrafund	35%	VIP Growth Opps	23%	Frkln Temp U.S. Gov't	34%
VIP Financial Services	18	VIP Equity-Income	32	VIP Equity-Income	21	VIP Investment Grade	26
VIP Health Care	15	VIP Growth Opps	21	VIP High Income	15	VIP High Income	17
VIP Consumer Staples	14	VIP Value Strategies	12	Frkln Temp U.S. Gov't	14	VIP Value Strategies	12
VIP Comm Services	15			VIP Investment Grade	14	VIP Growth	11
VIP Industrials	10			VIP Value Strategies	13		
Total Return:		Total Return:		Total Return:		Total Return:	
Jan: -8.0% YTD: -8.0%		Jan: -7.4% YTD: -7.4%		Jan: -5.0% YTD: -5.0%		Jan: -2.8% YTD: -2.8%	

How Do Your Funds Compare? (3-year fund correlations thru 12/21)

Are the funds you own too similar? Understanding correlation will help you to diversify and lower portfolio risk. Correlation is a statistical measure of the degree to which the returns of two funds tend to move in the same direction. The correlation coefficient ranges from 1.00 (perfect correlation) to -1.00 (perfect inverse correlation). Below, correlations are multiplied by 100 for ease of presentation, so a perfect correlation is expressed as 100. A perfect correlation between fund "x" and fund "y" means that every time fund "x" moves up, fund "y" would move up as well. The inverse is also true. Finally, correlation does not measure the magnitude of the moves only the direction.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35						
S&P 500	100																																								
Blue Chip Growth	91	100																																							
Capital & Income	87	81	100																																						
Contrafund	95	96	82	100																																					
Emerg Mkts Idx	78	76	84	74	100																																				
Fidelity Fund	97	92	80	98	69	100																																			
Global Equity-Inc	97	85	88	88	82	89	100																																		
Global Com Stk	88	75	86	77	83	76	92	100																																	
Growth Company	88	99	78	95	72	90	80	71	100																																
Growth Discov	94	98	84	99	78	96	88	78	97	100																															
High Income	79	71	97	73	80	73	81	76	68	75	100																														
Inflation-Profit Idx	32	39	33	43	18	43	28	13	40	43	39	100																													
International Idx	91	79	88	80	82	81	97	91	75	82	80	23	100																												
Lg Cap Growth Idx	95	97	80	99	72	98	88	75	95	98	73	45	80	100																											
Lg Cap Val Enh Idx	95	78	89	83	78	85	96	94	74	82	80	16	94	81	100																										
Low-Priced Stk	92	77	90	80	84	81	95	93	73	81	81	15	94	79	97	100																									
Magellan	95	93	81	98	66	99	87	73	91	96	74	48	78	98	82	77	100																								
Mid Cap Idx	95	86	95	88	83	88	94	92	83	90	88	27	92	87	96	95	87	100																							
Muni Income	17	19	43	18	26	19	21	10	18	22	53	52	29	19	16	17	22	25	100																						
New Mkts Income	72	69	90	70	75	68	74	69	67	73	92	42	78	68	71	74	69	81	65	100																					
OTC	94	99	81	98	76	95	87	77	97	98	72	38	80	98	81	79	95	87	16	69	100																				
Real Estate Idx	82	64	84	72	66	76	82	77	60	72	81	41	82	72	86	83	75	86	40	74	67	100																			
Sel Brok & Inv	92	83	83	86	68	87	89	84	80	86	71	20	86	85	92	87	86	93	13	67	84	78	100																		
Sel Consum Stap	86	66	75	75	65	80	89	75	60	72	73	28	83	75	86	85	77	81	20	61	71	78	73	100																	
Sel Energy	78	69	81	67	75	65	80	90	66	69	72	6	80	65	85	85	63	85	4	61	69	71	79	60	100																
Sel Env & Alt Eng	94	85	82	87	77	87	91	86	82	88	72	23	90	87	91	89	86	91	20	69	86	76	89	77	75	100															
Sel Gold	50	45	43	54	43	54	49	44	45	53	44	61	38	51	41	43	54	46	10	38	46	39	38	47	32	38	100														
Sel Pharma	75	68	59	71	62	73	78	70	67	73	53	26	73	72	70	70	68	69	-3	48	69	56	64	67	59	65	56	100													
Sel Technology	90	98	79	93	74	91	85	73	96	96	70	37	80	96	77	75	91	84	21	68	97	62	80	68	65	85	42	70	100												
Sht-Term Treas Idx	-52	-40	-56	-38	-51	-41	-50	-57	-36	-40	-49	31	-50	-39	-60	-64	-37	-57	0	-42	-40	-56	-38	-62	-56	2	-24	-39	100												
Small Cap Idx	88	84	92	81	88	78	90	91	81	85	83	14	91	80	92	93	76	95	22	78	83	77	88	70	88	88	33	65	82	-61	100										
Telecom & Util	76	54	73	64	59	73	76	64	50	65	76	29	72	66	77	74	70	77	35	65	59	78	67	81	52	71	45	58	57	-38	66	100									
Total Bond	48	54	63	55	48	53	47	35	56	58	70	84	45	55	38	37	58	53	64	71	53	56	38	40	32	37	59	39	53	12	43	48	100								
Total Mkt Idx	100	92	90	95	81	95	97	89	89	95	82	31	92	95	95	93	94	97	19	75	94	83	93	84	80	94	48	74	91	-53	92	75	50	100							
US Bond Idx	3	13	9	15	-1	13	1	-13	17	16	18	82	-2	16	-11	-14	20	2	44	22	11	15	-6	3	-14	-9	42	14	13	63	-9	12	81	3	100						

The importance of correlation is in how it relates to portfolio construction and risk reduction. For example, two funds that carry the same risk (same relative volatility), but that are not highly correlated, will, in combination, have a lower relative volatility because sometimes when one is up the other will be down and vice versa. This can smooth out the daily fluctuations in their combined return. Most funds from the same category (such as large-cap growth funds) tend to be highly correlated. For example, **Magellan** and **Contrafund** are almost perfectly correlated at 98. However, some funds from different categories and especially asset classes, tend to be lower. The classic example is stock funds versus bond funds.

Another blue shaded area illustrates the low correlation (53) between **Total Bond** and **OTC**, which is a large-cap growth stock fund. Bond funds (excluding high-yield) typically have very low correlations to stocks and many have negative correlations (meaning they tend to move in the opposite direction). Indeed, **Short-Term Treasury Index fund** (column 30) has been negatively correlated to all non-gold stock funds, and has a low correlation to other bond funds. (It even has a near-zero correlation to certain municipal bond funds.) Thus a mix of stocks and bonds will be even less risky than a weighted average of its risk scores. ■

Bond Funds

Bond fund prices fell last month as the yield curve flattened in response to higher-than-expected inflation and a bit more clarity on the Fed's plan to raise short-term interest rates. With the yield on the 2-year Treasury note rising nearly a half a percentage point to 1.15%, **Short-Term Treasury Index** fell 1.0%.

However, longer maturity notes and bonds fared better than expected because the Fed's tapering plan is to allow its portfolio of longer-dated Treasuries and mortgages to mature off its balance sheet.

Notably, the 30-year Treasury yield wound up virtually unchanged at 2.1%, whereas the yield on the benchmark 10-year note rose 27 basis points to 1.79%. Amid heightened volatility, **U.S. Bond Index**, a proxy for the taxable market, finished January down 2.1%.

And despite state and municipal coffers being flush with tax dollars (thereby lessening credit risk), tax-free munis also suffered at the hand of rising rates: **Limited Term Muni** fell 1.8% and **Municipal Bond Index** declined 2.6%. ■

— John Bonnanzio

DIVIDEND UPDATE

Other than monthly dividends on bond and money market funds, and Asset Mgr: 20%/30%, the following funds are scheduled for a distribution (if any) in February:

Contrafund, Global Credit, Inflation-Protected Index, Intermed Muni, Limited Term Muni, Municipal Inc, MI, MN, OH, and PA Muni Income, Multi-Asset Inc, New Markets Inc, Strategic Inc, Trend

No funds made distributions in January.

stocks, bonds and recently purchased real estate.

So now it's time for the Fed to tame the beast it helped create. But soft landings are tricky for even the most skilled fiscal pilots. Case in point: Following a series of rate hikes in 1994, former Fed chair Alan Greenspan slowed GDP growth and achieved price stability without the economy crashing. But he also presided over painful recessions in 1991 and 2000. That's a batting average of .333 — good enough for Cooperstown, but not good enough for the millions who lost their jobs.

Today's Fed may not be so cavalier, though Chairman Powell said that "high inflation is a severe threat to the achievement of maximum employment." That was an acknowledgement that the cost of price stability may fall more heavily on the working class, and so it will judiciously use its monetary levers.

But even as the Fed's hands are tied, it appears ready to make three or four quarter-point rate hikes this year, and perhaps keep going.

Its tendency to overreact is partly behind last month's volatility. Notably, the 10-year breakeven inflation rate (a gauge of anticipated long-term inflation) is only about 2.5%. While elevated, it's not high. That's why longer-dated bonds held up okay, whereas yields on shorter-maturity notes rose more.

The Fed's hands are also tied in that it has no control over Covid. It has no way of knowing if yet another variant is coming, or if the pandemic will soon do our planet a favor and morph into an endemic. Of course, if no epidemiologist has that answer, neither does the Fed.

Online Guide Launched!

The *Independent Guide to Fidelity Funds* has been launched on our website! This exciting improvement allows us to provide up-to-date data on individual funds on a continuous basis. In addition to being more timely, it's more cost-effective, allowing us to avoid increasing our subscription rates for 2022.

Available to current subscribers, accessing it is as simple as clicking on the *Guide* icon on our homepage:

www.fmandi.com

Lastly, the Fed can't control the world energy market, whereas Russian hegemony and even Houthi militants are doing what they can to drive prices into the stratosphere.

The Good News

If some of this feels eerily like the late-1970s/early '80s, don't despair — disco isn't coming back! But even if it does, America's economy is now far more resilient. (We've seen that in the past two years.)

We're also a net energy exporter with efficient, higher-productivity industries at the heart of the economy. Today, information technology, life sciences and even financial services derive more of their sales and earnings from abroad than manufacturing ever did.

Granted, these changes don't insulate us from inflation or recessions. But perspective is important. While interest rates are headed higher, they've been near-zero for too long. Also, equity valuations in some sectors were stretched, and a pullback is both normal and even healthy when the economy is growing. Naturally, realignments in valuations lead to rising market volatility. But they also give rise to new investment opportunities. Better to stay invested and wait for them to unfold. ■ — John Bonnanzio

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