# STIFEL

#### Macro & Portfolio Strategy

MARKET COMMENTARY/STRATEGY

November 4, 2019

### The next 6 months favor Cyclicals: Financials, Energy, Industrials, Tech, Materials

#### Summary

We made the call Oct-13th that events were "de-risking" for the S&P 500 Cyclicals, with positives including: Fed Quasi-QE, a trade détente, as well as some Brexit movement. We now view that as positive to mid-2020 for S&P Cyclical relative to Defensive industries. Specifically, by mid-2020 we see the dollar down, 10Y yield up (2.25%), oil up (\$80/bbl.), and nominal GDP recovery, all of which favors S&P 500 Cyclicals, e.g. Financials, Energy, Industrials, Tech, Materials. The call is about Cyclical alpha and not S&P 500 beta, as our S&P 500 target is only 3,050 in 2019 (2,900 prior) and 3,100 in 2020E (new).

#### **Key Points**

#### Oct-13, 2019 we switched from preferring Defensives to Cyclicals in 4Q19 (we now extend that call to mid-2020)

- We see long Cyclical/short Defensive rising through mid-2020, similar to 2016 [p. 3]
- We do not expect a "nominal GDP recession" despite weak current manufacturing [p. 4]
- Cyclical alpha not S&P beta: We see SPX fair value 3,050 in 2019 (prior 2,900) and 3,100 in 2020 [p. 5]
- 2019-20E earnings resemble 2015-16 (EPS slowed after excessive Fed tightening) [p. 6]
- At a granular level, we are long 12 reflation industries and short 12 deflation industries to 2Q20 [p. 7]
- We see this reflation vs. deflation trade (from the prior bullet point) rising strongly [p. 8]
- Stay on alert: If recession drums beat again...get Defensive (fast) [p. 9]

#### Here's what changed to prompt our Oct-13th shift in favor of a Cyclical sector recovery into mid-2020

- There are modest signs of a bottom for PMIs and the 10Y yield [p. 11]
- The Fed is adding excess reserves, which may push the dollar down, 10Y yield up...[p. 12]
- ...and if the dollar falls and 10Y yield rises, Energy & Financials should rise [p. 13]
- Oil usually rises when this many speculators are "net short" oil contracts [p. 14]
- As the 10Y yield rises, Financials have greater valuation (dividend yield) protection [p. 15]
- By 2Q20E: we see \$80 Brent, 2% 10Y breakeven inflation, 0.25% TIPS, and 2.25% for the 10Y [p. 16]
- And...if a trade truce leads China to seasonally boost stimulus in 1Q20, that will help [p. 17]
- Plus, "We've got November to April seasonality going for us...which is nice" [p. 18]

#### We think a recession has been delayed, but the following are the risks to our thesis

- The Fed has backed off from its 4Q18 to 1H19 error, but is it too little too late? [p. 20]
- Why the trade cease fire? Rising unemployment risk by Nov-2020 as indicated by the curve [p. 21]
- The consumer is key to U.S. GDP and is fine for now, but what if it can't get any better? [p. 22]
- Wall of Worry: Curve inversion (50dma) points to a recession May-2020 +/- 4 mos. [p. 23-24]
- The risk of a recession within a year may be shaving 7% off the S&P 500 price [p. 25]
- History says Oct-2019 is the do-or-die month that will decide recession risk [p. 26]

Appendices: (1) We see weak EPS in 2019 carrying over to 2020, but that shouldn't preclude Cyclical rotation [28-34], (2) In the next decade, we see Active beating Passive (but few pensions will hit their goals) [35-40]

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### In our view:

## On <u>Oct-13th</u> we shifted from having been over-weight Defensives & Bond Proxies in the <u>prior</u> 12 months to now calling for a *Cyclical* sector recovery (we are now *extending* that call from 4Q 2019 into mid-2020)



Source: Stifel.



#### We see long Cyclical/short Defensive up through mid-2020, similar to 2016



Source: Bloomberg data, NBER Recession Dates, Stifel estimates.

(1) We believe the goal since the late-1990s has been nominal GDP ("NGDP," real GDP + inflation) due to deflation pressure (debt, over-capacity, demographics, technology).

(2) The bars in the right chart are y/y change in rate of growth for NGDP; example: 3% y/y to 4% y/y is +100bps. Chart (right) depicts the two quarter average of this change.

### We do not expect a "nominal GDP recession" despite weak manufacturing<sup>(1)</sup>



Source: Stifel, Bloomberg data.

(1) According to Commerce Department figures, Manufacturing was 11% of GDP in 2Q19, the smallest share since 1947 and down from 11.1% in 1Q19.



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#### We believe the next 6 months are about Cyclical *alpha* not S&P 500 *beta*: We see S&P 500 fair value as 3,050 in 2019 (prior 2,900) and 3,100 in 2020



Source: Bloomberg data, Stifel estimates.

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#### 2019-20E resembles 2015-16 (EPS slowed after excessive Fed tightening)



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Source: Bloomberg data, Stifel estimates.

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### At a granular level, we are long 12 green and short 12 red into 2Q 2020 (See Appendix # 1 for major stocks in each of these Industry groups)

Se me	&P 500 Ind etrics, base	ustry correlation v ed on trailing 5 yea	rs. reflat ars of pr	tion rices	(A) DXY Dollar (Inverse)	(B) Gold to Oil Ratio (Inverse)	(C) 10Y Break- even Inflation	<mark>(D)</mark> U.S. 10Y Yield	Equal-Wtd. (A) to (D) Average Correlation
Rank	Tickers	GICS Industry	Market Cap.	TTM Rel. to SPX	5Yr. Rolling Correl.	5Yr. Rolling Correl.	5Yr. Rolling Correl.	5Yr. Rolling Correl.	(SORT)
1	S5DIVF Index	Diversified Financials	\$1,234,119	-4.4%	0.39	0.65	0.73	0.64	0.60
2	S5BANKX Index	Banks	\$1,442,036	-1.5%	0.13	0.53	0.75	0.73	0.54
3	S5TECH Index	Tech Hardware & Equip.	\$1,604,182	-2.3%	0.12	0.57	0.61	0.59	0.47
4	S5TRAN Index	Transporation	\$497,534	-8.7%	0.29	0.57	0.49	0.44	0.45
5	S5SSEQX Index	Semiconductors & Equip.	\$1,024,917	10.6%	0.14	0.39	0.61	0.55	0.42
6	S5RETL Index	Retailing	\$1,790,902	-0.5%	-0.12	0.22	0.35	0.46	0.23
7	S5SFTW Index	Software & Srvcs	\$3,158,778	13.6%	-0.07	0.15	0.30	0.35	0.18
8	S5HCES Index	H.C. Equipment & Srvcs.	\$1,642,651	-3.8%	-0.07	0.11	0.21	0.39	0.16
9	S5MATRX Index	Materials	\$693,289	-2.4%	0.31	0.06	-0.02	-0.24	0.03
10	S5ENRSX Index	Energy	\$1,100,350	-24.7%	0.16	0.05	-0.18	-0.29	-0.06
11	S5CPGS Index	Capital Goods	\$1,711,899	1.6%	0.11	-0.22	0.02	-0.17	-0.07
12	S5AUCO Index	Autos & Components	\$124,110	-8.1%	0.12	-0.12	-0.29	-0.36	-0.16
13	S5HOTR Index	Consumer Services	\$522,643	5.7%	-0.22	-0.36	-0.23	-0.09	-0.22
14	S5INSU Index	Insurance	\$596,645	4.3%	-0.17	-0.32	-0.23	-0.36	-0.27
15	S5PHRM Index	Pharma, Biotech, Life Sci.	\$1,957,018	-7.3%	0.03	-0.32	-0.54	-0.44	-0.32
16	S5CODU Index	Consumer Durables & Appar.	\$306,963	-1.9%	0.06	-0.33	-0.56	-0.50	-0.33
17	S5MEDA Index	Media & Entertainment	\$2,144,418	0.8%	-0.28	-0.36	-0.46	-0.55	-0.41
18	S5TELSX Index	Telecommunication Srvcs.	\$616,020	7.4%	-0.11	-0.48	-0.58	-0.64	-0.45
19	S5FDSR Index	Food & Staples Retailing	\$573,687	-1.9%	-0.11	-0.43	-0.67	-0.61	-0.45
20	S5FDBT Index	Food, Beverage, & Tobacco	\$1,057,092	-6.8%	-0.15	-0.60	-0.59	-0.61	-0.49
21	S5REAL Index	Real Estate	\$807,434	12.7%	-0.16	-0.58	-0.80	-0.82	-0.59
22	S5UTILX Index	Utilities	\$880,822	10.7%	-0.15	-0.68	-0.77	-0.80	-0.60
23	S5HOUS Index	Household & Pers. Prod.	\$500,757	18.9%	-0.17	-0.63	-0.80	-0.85	-0.61
24	S5COMS Index	Comm'l & Prof'l. Srvcs	\$217,257	13.9%	-0.41	-0.53	-0.71	-0.81	-0.61

Source: Bloomberg data, Stifel estimates.



#### We see this reflation vs. deflation trade (from the prior page<sup>(1)</sup>) recovering



Source: Bloomberg data, Stifel estimates.

(1) The 12 equal-weight reflation cyclical GICS2 industries on the prior page (mostly green) relative to the 12 equal-weight disinflation defensives (mostly red).

#### Stay on alert: If recession drums beat again...get Defensive (fast)



Source: Stifel.



In our view:

## Here's what changed to prompt our Oct-13th shift in favor of a Cyclical sector recovery into mid-2020

Source: Stifel.







Source: Stifel.

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#### Fed is adding reserves<sup>(1)</sup>, which may push the dollar down, 10Y yield up...



Source: Bloomberg data, Stifel estimates.

(1) NY Fed has begun purchasing up to \$60B/m., mostly T-bills, at least to 2Q20, while continuing to roll coupon payments and MBS maturities. We estimate excess reserves will expand \$240B, although Street estimates range up to \$400B+. The effect may be a curve steepener, although Treasury short-term bills issuance will affect supply.

#### ...and if the dollar falls & 10Y yield rises, Energy & Financials should rise





Source: Bloomberg data, Stifel estimates

#### Oil usually rises when this many speculators are "net short" oil contracts



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#### As the 10Y yield rises, Financials have greater valuation (yield) protection



Source: Bloomberg data, Stifel estimates.

#### By 2Q20E: we see \$80 Brent, 2% 10Y BE, 0.25% TIPS, so 2.25% 10Y



Source: Bloomberg data, Stifel estimates.



#### And...if a trade truce leads China to boost stimulus in 1Q20, that will help



Source: China State Statistics, Bloomberg, Stifel estimates.

(1) We show the 3-mo. moving average of the m/m change in China stimulus as a percentage of China nominal GDP. Stimulus is: bank & non-bank lending, excluding Special Government Bonds to prevent double-counting and excluding equity issuance plus local government bond issuance (for Local Government Financing Vehicles).

(2) China stimulus (as defined footnote #1) divided by China nominal GDP, multiplied by 100. The "impulse" is that current month figure divided by same month a year ago.

### Plus, "We've got Nov-Apr seasonality going for us...which is nice"

S&P 500 "Seasonality" in the past seven decades An initial lump-sum of \$10,000 (no further contributions) invested in 1950 in the S&P 500 has been <u>far</u> more rewarding the 6 months Nov-1 to Apr-30 than in the <i>other</i> 6 months May-1 to Oct-31											
	S&P 500	S&P 500		S&P 500	S&P 500						
	May 1st -	Nov. 1st -	Year	May 1st -	Nov. 1st -						
Year	Oct. 31st	Apr. 30th	<u>(Cont.)</u>	Oct. 31st	<u>Apr. 30th</u>						
1950	\$10,000	\$10,000	1986	\$27,658	\$167,792						
1951	\$10,571	\$11,875	1987	\$24,512	\$201,441						
1952	\$11,447	\$12,433	1988	\$26,668	\$212,551						
1953	\$11,769	\$12,824	1989	\$29,836	\$240,142						
1954	\$13,546	\$15,171	1990	\$27,935	\$237,298						
1955	\$15,428	\$18,562	1991	\$29,686	\$298,100						
1956	\$14,810	\$21,626	1992	\$30,418	\$319,882						
1957	\$13,569	\$22,119	1993	\$32,798	\$341,010						
1958	\$16,348	\$23,865	1994	\$34,875	\$333,092						
1959	\$16,598	\$27,196	1995	\$39,918	\$367,961						
1960	\$16,586	\$26,157	1996	\$43,543	\$418,603						
1961	\$17,696	\$32,508	1997	\$50,147	\$480,204						
1962	\$15,624	\$31,367	1998	\$49,942	\$588,211						
1963	\$16,837	\$39,393	1999	\$51,308	\$719,513						
1964	\$18,260	\$42,961	2000	\$50,780	\$771,281						
1965	\$19,239	\$45,802	2001	\$43,367	\$678,213						
1966	\$17,249	\$45,837	2002	\$35,985	\$693,874						
1967	\$17,503	\$54,642	2003	\$41,607	\$724,943						
1968	\$18,836	\$57,714	2004	\$42,840	\$770,419						
1969	\$17,957	\$58,757	2005	\$45,096	\$795,678						
1970	\$18,704	\$50,151	2006	\$47,853	\$872,376						
1971	\$17,224	\$63,633	2007	\$50,479	\$947,389						
1972	\$18,111	\$73,791	2008	\$35,698	\$856,101						
1973	\$18,636	\$71,752	2009	\$42,852	\$783,094						
1974	\$15,625	\$60,945	2010	\$43,169	\$905,752						
1975	\$16,270	\$73,729	2011	\$40,099	\$1,053,924						
1976	\$16,809	\$85,805	2012	\$40,964	\$1,188,560						
1977	\$16,163	\$83,895	2013	\$45,530	\$1,359,996						
1978	\$15,961	\$90,364	2014	\$49,272	\$1,473,703						
1979	\$16,419	\$101,467	2015	\$49,651	\$1,538,494						
1980	\$20,209	\$108,895	2016	\$51,666	\$1,545,170						
1981	\$19,049	\$116,181	2017	\$56,367	\$1,750,994						
1982	\$22,537	\$114,196 \$142,700	2018	\$58,283	\$1,817,858						
1983	\$22,912	¢143,7∠2	2019	\$60,705	a1,995,368						
1984	\$24,350	\$143,841	Nov-	1 to Apr-:	30 return						
1985	\$26,247	\$159,234	cum	latively	33x more						
Con	tinued to the i	right	thar	May 1 to	o Oct-31						



Source: Bloomberg data, Stifel format.



In our view:

## We think a recession has been delayed, but the following are the risks to our thesis



### Fed has backed off from its 4Q18-1H19 error, but is it too little too late?



Source: Bloomberg data, Stifel estimates.

(1) For neutral we use Laubach & Williams (SF & NY Fed, here) 1-sided estimate (Bloomberg USNREST1), add Core PCE inflation SA y/y% for a neutral nominal rate.

(2) Atlanta Fed Shadow Fed Funds (here) shows what fed funds rate would have been had 0% not been the floor amid QE and Zero Interest Rate Policy (ZIRP) 2009-15.

(3) The intra-day S&P 500 high was 2.940.91 on Sep-21. 2018 and the intra-day low was 2.346.58 on Dec-26. 2018. a decline of (20.21%).



#### Why the trade war cease fire? Rising unemployment risk by Nov-2020



Source: Bloomberg data, Stifel estimates.

(1) In the seven recessions since 1968, from the day the 50dma of the 10Y minus 3M yield curve inverts until the day that a recession begins, the U3 unemployment rate has increased an average of 0.2% in that period. We add 0.2% to the current U3 of 3.5% and a further 1% for the period May 2020 (yield curve-based recession start date) until the Nov-2020 election (see left chart) and derive a possible 4.7% U3 on the day of the 2020 election (right chart, "X"), which is far below the 20 year average.

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#### Consumer is key to U.S. GDP and is OK for now, but can't get better?



Source: Stifel.

#### Wall of Worry: Inversion (50dma) points to a recession May-2020 +/- 4 mos.



Source: Stifel.

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#### After past 10Y/3M (50dma) inversions, stocks fell first, then EPS fell longer



Source: Stifel.

#### The risk<sup>(1)</sup> of a recession within a year may be shaving 7% off the S&P 500



Source: Bloomberg data, Stifel estimates.

(1) Federal Reserve Bank of New York (link).



#### History says Oct-2019 is the do-or-die month that decides recession risk

#### The recession risk is May 2020 based on a 50dma of the yield curve...

## ...and the S&P 500 leads by 6½ months (so that implies risk peaks ~Oct-2019E)

Recessions	After 10Y-3M Y	ield Curve Invers	sion (50dma of Inversion)	S&P	500 Price Mo	ovement p	r <mark>ior to U.S.</mark>	NBER Reces	sions
"DATE OF INVERSION" refers to the date the <u>50dma</u> of 10Y minus 3M yield curve <u>first</u> inverted 10-Feb-69 10-Jul-73	Official (NBER) start date* of Recession following inversion Dec-69 Nov-73	Months from 50dma of 10Y- 3M inversion to Recession start 10.7 mos. 4.7 mos.	Jun-20, 2019 was the 50dma 10Y/3M inversion, so adding 10.5 months is a <u>possible May</u> <u>2020 recession</u> , and since the <u>S&amp;P 500</u>	S&P 500 After M Immediate** Pre- Recession S&P 500 Peak Date 29-Nov-68 11-Jan-73 13-Feb-80	Mar-4, 1957, prio S&P 500 Trough Date 26-May-70 3-Oct-74 27-Mar-80	S&P 500 Peak to Trough % -36.1% -48.2% -17.1%	NBER U.S. Business Cycle Peak Date 31-Dec-69 30-Nov-73 31-Jan-80	NBER Business Cycle Trough Date 30-Nov-70 31-Mar-75 31-Jul-80	Immediate** Pre- Recession Peak <u>Before</u> the Business Cycle Peak -13.1 mos. -10.6 mos. 0.4 mos.
16-Jan-79 28-Nov-80	Jan-80	12.5 mos. 8 1 mos	<u>leads</u> recessions by <u>6½ months</u> (table,	28-Nov-80 16-Jul-90	12-Aug-82 11-Oct-90	-27.1% -19.9%	31-Jul-81 31-Jul-90	30-Nov-82 31-Mar-91	-8.1 mos. -0.5 mos.
07-Jul-89	Jul-90	12.8 mos.	around <u>Oct-2019</u>	1-Sep-00 9-Oct-07	9-Oct-02 9-Mar-09	-48.9% -56.8%	31-Mar-01 31-Dec-07	30-Nov-01 30-Jun-09	-6.9 mos. -2.7 mos.
14-Aug-00 24-Aug-06 20-Jun-19	Mar-01 Dec-07 Mav-20E	7.5 mos. 16.2 mos. 10.5 mos.		Aver Med	age Decline dian Decline	-36.3% -36.1%	Averag Media	e Lead Time n Lead Time	-5.9 mos. -6.9 mos.
* NBER data for given as the end	Mean Median the peak and trough of the month (e.g., Ja	<b>10.4 mos.</b> <b>10.7 mos.</b> of the U.S. business c in-31, 1980 in the table	** The "Immedial year before the s at which a reces For example, on the year before ti that the market of was the the 9/1/2	te Pre-Recession tarting date for a sion began to be 9/1/2000 the S& he Mar-2001 rece decline <i>reflective</i> 2000 price after v	" peak price h U.S. recession discounted in P 500 closing ession (which of impending which the S&P	as not necessa on, but rather th equities and a price was 1,52 was the 3/24/20 recession occu 500 rolled over	arily been the high e point of S&P 50 decline of 15+% 0.77 but that was 200 close of 1,52 urred closer to the	hest price in the 00 price roll-over (rounded) began. s not the high in 7.46). Our view is e event, which	

Source: Bloomberg data, NBER Recession Dates, Stifel estimates.

## **Appendices**

- 1. We see weak EPS growth in 2019 carrying over to 2020, but that shouldn't preclude a Cyclical rotation [28-34]
- 2. In the next decade, we see Active management beating Passive (but few pensions will hit their goals) [35-40]

Source: Stifel.



In our view:

## (1) We see weak EPS growth in 2019 carrying over to 2020, but that shouldn't preclude a Cyclical rotation



#### A weaker dollar<sup>(1)</sup> and bottoming Manufacturing PMI would help EPS



Source: Bloomberg data, S&P Dow Jones Data, Stifel estimates.

(1) The Broad Dollar [Bloomberg USTWBGD] is 51% weighted EM currencies, so tightening global dollar liquidity adversely affects dollar-denominated debts abroad.

#### We need to see a y/y bottom for cap goods, both short-cycle & long-cycle



Source: Bloomberg data, Stifel estimates.

#### Healthcare & Financial EPS are the largest outliers vs. Street in our model<sup>(1)</sup>

Name	Ticker	(SORT) Wgt. Of Sector EPS in	Stifel EPS		S&P Consensus		\$EPS Effect	
S&P 500	SPX	3&P 300	2019E \$158.75	\$161.54	2019E \$159.20	2020E \$177.55	2019E (\$0.45)	2020E (\$16.01)
					-			. ,
GICS 1 Information Technology	S5INFT	20.3%	\$64.46	\$72.96	\$65.10	\$75.03	(\$0.22)	(\$1.59)
GICS 2 Software	S5SFTW	8.3%	\$73.35	\$78.78	\$77.05	\$91.04	(\$0.50)	(\$3.42)
GICS 2 Tech Hardware	S5TECH	6.9%	\$72.78	\$81.74	\$72.17	\$84.44	\$0.07	(\$0.63)
GICS 2 Semiconductors	S5SSEQX	5.2%	\$66.36	\$83.76	\$63.84	\$69.75	\$0.21	\$2.45
GICS 1 Financials	S5FINL	17.1%	\$41.37	\$34.87	\$39.66	\$38.64	\$0.49	(\$2.44)
GICS 2 Banks	S5BANKX	10.0%	\$33.84	\$31.92	\$30.25	\$31.54	\$0.61	\$0.15
GICS 2 Diversified Financials	S5DIVF	3.8%	\$44.84	\$41.59	\$44.74	\$47.74	\$0.01	(\$0.93)
GICS 2 Insurance	S5INSU	3.3%	\$31.49	\$23.47	\$33.70	\$36.23	(\$0.12)	(\$1.67)
GICS 1 Healthcare	S5HLTH	14.2%	\$55.58	\$60.55	\$60.17	\$73.62	(\$1.09)	(\$7.04)
GICS 2 Pharm, Biotech, & Life Sciences	S5PHRM	8.2%	\$46.98	\$49.63	\$53.08	\$63.51	(\$0.91)	(\$4.53)
GICS 2 Health Care Equip. & Srvcs	S5HCES	6.0%	\$59.68	\$64.51	\$61.41	\$75.04	(\$0.19)	(\$2.51)
GICS 1 Industrials	S5INDU	10.5%	\$37.75	\$37.78	\$36.60	\$41.58	\$0.20	(\$1.51)
GICS 2 Capital Goods	S5CPGS	7.3%	\$36.43	\$37.97	\$35.24	\$42.93	\$0.14	(\$1.25)
GICS 2 Transportation	S5TRAN	2.7%	\$55.16	\$54.27	\$53.77	\$57.16	\$0.06	(\$0.27)
GICS 2 Commercial & Professional Srvcs.	S5COMS	0.5%	\$12.93	\$13.81	\$12.32	\$13.71	\$0.00	\$0.00
GICS 1 Consumer Discretionary	S5COND	8.8%	\$38.66	\$38.30	\$39.22	\$45.07	(\$0.08)	(\$2.26)
GICS 2 Retail	S5RETL	4.4%	\$75.79	\$77.26	\$81.62	\$95.78	(\$0.09)	(\$1.83)
GICS 2 Consumer Services	S5HOTR	1.6%	\$49.16	\$50.95	\$51.90	\$59.97	(\$0.01)	(\$0.32)
GICS 2 Automobiles & Components	S5AUCO	1.4%	\$16.20	\$14.32	\$13.56	\$16.45	\$0.01	(\$0.07)
GICS 2 Consumer Durables & Apparel	S5CODU	1.4%	\$19.81	\$19.79	\$18.92	\$21.10	\$0.00	(\$0.04)
GICS 1 Communication Srvcs.	S5TELS	8.6%	\$8.81	\$9.80	\$8.81	\$9.80	\$0.00	\$0.00
GICS 1 Consumer Staples	S5CONS	6.9%	\$29.96	\$31.40	\$29.86	\$32.14	\$0.01	(\$0.19)
GICS 1 Energy	S5ENRS	6.1%	\$20.18	\$18.69	\$18.09	\$21.33	\$0.21	(\$0.61)
GICS 1 Utilities	S5UTIL	3.1%	\$14.40	\$14.61	\$15.68	\$16.71	(\$0.07)	(\$0.25)
GICS 1 Materials	S5MATR	2.8%	\$19.55	\$19.26	\$18.09	\$21.33	\$0.07	(\$0.22)
GICS 1 Real Estate	S5RLST	1.6%	\$7.39	\$7.58	\$6.58	\$5.63	\$0.02	\$0.12

Source: Bloomberg data, S&P data, Stifel estimates.

(1) Our S&P 500 EPS model uses economic factors that correlate with S&P Operating EPS for S&P industries, which we consolidate into an EPS estimate with divisors.

#### Oddity of Cyclicals vs. Growth: the former can disappoint, the latter cannot



Source: Bloomberg data, S&P Dow Jones Data, Stifel estimates.

(1) PCE is Personal Consumption Expenditures. Health care PCE includes government & insurance expenditures on behalf of individuals (not just out-of-pocket spending).



### Major S&P 500 stocks in the 12 reflation industries (green, see pg. 7)

Rank	Name	<u>Ticker</u>	TTM Rel. Ret.	<u>Mkt Cap.</u>	Rank Name	Ticker	TTM Rel. Ret.	Mkt Cap.
1	S&P 500 DIV FINANCIAL IX	S5DIVF Index	-4.37%	\$1,234,119	7 S&P 500 SFTW & SVCS INDX	S5SFTW Index	13.58%	\$3,158,778
	BERKSHIRE HATH-B	BRK/B Equity	-9.87%	\$524,445	MICROSOFT CORP	MSFT Equity	23.94%	\$1,095,611
	AMERICAN EXPRESS	AXP Equity	1.57%	\$96,793	VISA INC-CLASS A	V Equity	15.07%	\$355,952
	GOLDMAN SACHS GP	GS Equity	-16.90%	\$80,764	MASTERCARD INC-A	MA Equity	26.72%	\$281,544
2	S&P 500 BANKS INDEX	S5BANKX Index	-1.54%	\$1,442,036	8 S&P 500 HC EQUIP&SVC IDX	S5HCES Index	-3.77%	\$1,642,651
	JPMORGAN CHASE	JPM Equity	5.62%	\$403,491	UNITEDHEALTH GRP	UNH Equity	-14.84%	\$240,815
	BANK OF AMERICA	BAC Equity	1.73%	\$282,536	ABBOTT LABS	ABT Equity	7.92%	\$148,515
	WELLS FARGO & CO	WFC Equity	-12.98%	\$221,989	MEDTRONIC PLC	MDT Equity	8.16%	\$146,618
3	S&P 500 TECH HW & EQP IX	S5TECH Index	-2.30%	\$1,604,182	9 S&P 500 MATERIALS INDEX	S5MATRX Index	-2.40%	\$693,289
	APPLE INC	AAPL Equity	0.87%	\$1,114,815	LINDE PLC	LIN Equity	11.66%	\$107,707
	CISCO SYSTEMS	CSCO Equity	-8.09%	\$199,163	ECOLAB INC	ECL Equity	14.04%	\$55,597
	TE CONNECTIVITY	TEL Equity	5.69%	\$30,272	SHERWIN-WILLIAMS	SHW Equity	32.32%	\$53,165
4	S&P 500 TRANSPTN INDEX	S5TRAN Index	-8.71%	\$497,534	10 S&P 500 ENERGY INDEX	S5ENRSX Index	-24.66%	\$1,100,350
	UNION PAC CORP	UNP Equity	2.50%	\$116,285	EXXON MOBIL CORP	XOM Equity	-24.58%	\$291,185
	UNITED PARCEL-B	UPS Equity	-1.70%	\$99,859	CHEVRON CORP	CVX Equity	-6.06%	\$218,565
	CSX CORP	CSX Equity	-10.84%	\$55,319	CONOCOPHILLIPS	COP Equity	-31.74%	\$61,271
5	S&P 500 SEMI & SEMI EQP	S5SSEQX Index	10.60%	\$1,024,917	11 S&P 500 CAPITAL GDS IDX	S5CPGS Index	1.62%	\$1,711,899
	INTEL CORP	INTC Equity	5.99%	\$244,949	BOEING CO/THE	BA Equity	-17.64%	\$192,295
	TEXAS INSTRUMENT	TXN Equity	11.12%	\$110,864	HONEYWELL INTL	HON Equity	9.60%	\$124,736
	NVIDIA CORP	NVDA Equity	-21.32%	\$122,324	UNITED TECH CORP	UTX Equity	2.30%	\$124,975
6	S&P 500 RETAILING INDEX	S5RETL Index	-0.51%	\$1,790,902	12 S&P 500 AUTO & COMP IDX	S5AUCO Index	-8.10%	\$124,110
	AMAZON.COM INC	AMZN Equity	-6.28%	\$887,822	GENERAL MOTORS C	GM Equity	-7.21%	\$53,308
	HOME DEPOT INC	HD Equity	20.21%	\$257,985	FORD MOTOR CO	F Equity	-14.30%	\$34,376
	LOWE'S COS INC	LOW Equity	2.07%	\$85,438	APTIV PLC	APTV Equity	4.37%	\$23,104

Source: Bloomberg data.

### Major S&P 500 stocks in the 12 deflation industries (red, see pg. 7)

<u>Rank</u>	Name	Ticker	TTM Rel. Ret.	<u>Mkt Cap.</u>	<u>Rank</u>	Name	<u>Ticker</u>	TTM Rel. Ret.	Mkt Cap.
13	S&P 500 CONS SRV IDX	S5HOTR Index	5.73%	\$522,643	19	S&P 500 FOOD/STPL RETAIL	S5FDSR Index	-1.87%	\$573,687
	MCDONALDS CORP	MCD Equity	0.93%	\$148,821		WALMART INC	WMT Equity	5.48%	\$334,118
	STARBUCKS CORP	SBUX Equity	31.46%	\$100,033		COSTCO WHOLESALE	COST Equity	17.07%	\$130,512
	LAS VEGAS SANDS	LVS Equity	0.83%	\$47,649		WALGREENS BOOTS	WBA Equity	-42.26%	\$49,572
14	S&P 500 INSURANCE INDEX	S5INSU Index	4.32%	\$596,645	20	S&P 500 FD BEV & TOB IDX	S5FDBT Index	-6.80%	\$1,057,092
	CHUBB LTD	CB Equity	9.97%	\$68,950		COCA-COLA CO/THE	KO Equity	4.13%	\$233,676
	MARSH & MCLENNAN	MMC Equity	11.60%	\$52,536		PEPSICO INC	PEP Equity	13.47%	\$192,028
	AMERICAN INTERNA	AIG Equity	11.24%	\$45,622		PHILIP MORRIS IN	PM Equity	-15.31%	\$127,582
15	S&P 500 PHRM BIO & LF SC	S5PHRMIndex	-7.35%	\$1,957,018	21	S&P 500 REAL ESTATE INDX	S5REAL Index	12.70%	\$807,434
	JOHNSON&JOHNSON	JNJ Equity	-17.07%	\$348,881		AMERICAN TOWER C	AMT Equity	31.71%	\$96,827
	MERCK & CO	MRK Equity	8.42%	\$222,676		CROWN CASTLE INT	CCI Equity	18.04%	\$57,878
	PFIZER INC	PFE Equity	-22.39%	\$213,333		PROLOGIS INC	PLD Equity	26.59%	\$55,754
16	S&P 500 CON DUR&AP INDEX	S5CODU Index	-1.90%	\$306,963	22	S&P 500 UTILITIES INDEX	S5UTILX Index	10.72%	\$880,822
	NIKE INC -CL B	NKE Equity	4.77%	\$140,588		NEXTERA ENERGY	NEE Equity	29.19%	\$116,216
	VF CORP	VFC Equity	-7.69%	\$33,164		DUKE ENERGY CORP	DUK Equity	6.75%	\$68,744
	DR HORTON INC	DHI Equity	30.81%	\$19,164		DOMINION ENERGY	D Equity	10.14%	\$66,802
17	S&P 500 Media & Ent	S5MEDA Index	0.76%	\$2,144,418	23	S&P 500 HH & PR PDTS IDX	S5HOUS Index	18.86%	\$500,757
	ALPHABET INC-C	GOOG Equity	4.48%	\$872,718		PROCTER & GAMBLE	PG Equity	28.84%	\$309,981
	FACEBOOK INC-A	FB Equity	13.28%	\$549,959		ESTEE LAUDER	EL Equity	19.25%	\$67,242
	WALT DISNEY CO	DIS Equity	0.46%	\$235,638		COLGATE-PALMOLIV	CL Equity	0.98%	\$57,692
18	S&P 500 TELECOMM SVCS IX	S5TELSX Index	7.45%	\$616,020	24	S&P 500 Comm & Prof Serv	S5COMS Index	13.87%	\$217,257
	AT&T INC	T Equity	21.88%	\$284,087		WASTE MANAGEMENT	WM Equity	16.03%	\$47,608
	VERIZON COMMUNIC	VZ Equity	-0.63%	\$251,621		REPUBLIC SVCS	RSG Equity	9.95%	\$27,890
	T-MOBILE US INC	TMUS Equity	6.05%	\$70,628		IHS MARKIT LTD	INFO Equity	20.35%	\$28,226

Source: Bloomberg data.

In our view:

## (2) In the next decade, we see Active beating Passive

## (but few pensions will hit their goals)

Source: Stifel.



#### S&P 500 is at the top end of our 10 year forward-looking model<sup>(1)</sup> range



Source: S&P 500 total return Bloomberg data, S&P historical Shiller (Stifel Operating adjustment), U.S. Flow of Funds (tables <u>b.103</u> and <u>b.101</u>), Stifel estimates.

(1) Our model is based on Shiller's CAPE, Tobin's Q price/replacement book and household stocks % of household financial assets (U.S. Flow of Funds) <u>advanced 10</u> <u>years</u>. By its nature this model is far more useful for predicting the next 10 year annualized total return than any point along the way.



### Three measures<sup>(1)</sup> can estimate S&P 500 total return the *next* 10 years



Source: S&P 500 total return Bloomberg data, S&P historical Shiller (Stifel Operating adjustment), U.S. Flow of Funds (tables <u>b.103</u> and <u>b.101</u>), Stifel estimates. (1) A "flow" variable (CAPE), "stock" variable (Tobin's Q), and "sentiment" variable (Household stock ownership, Flow of Funds <u>b.101</u>) may forecast S&P 500 10 years ahead.



#### Flip & advance those factors (prior page) 10 years, it shows 3%/yr. 2019-29E



Source: S&P 500 total return Bloomberg data, S&P historical Shiller (Stifel Operating adjustment), U.S. Flow of Funds (tables b.103 and b.101).



#### Moreover, our metrics<sup>(1)</sup> show an S&P 500 that is *down* the next <u>5</u> years



Source: Stifel.

(1) A "flow" variable (CAPE), "stock" variable (Tobin's Q) and "sentiment" variable (Household stock ownership, Flow of Funds b.101) may forecast the S&P 500 10 years ahead.



#### CAPE<sup>(1)</sup> has ><u>100 years</u> history and shows ~0%/year return for 5 years



Source: Stifel.

(1) <u>CAPE</u> is P/E on trailing 10 year inflation-adjusted average EPS; Bloomberg Operating EPS 1989 to present and before 1989, S&P/Shiller/Yale GAAP EPS <u>data</u> which we gross up 11.7% to match the historical GAAP/Operating difference between EPS.



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