

## Gamma Global Macro Model Highlights

- **The S&P 500 and Nasdaq Models remained neutral (in cash) for May.** Despite last month's rally in the S&P 500, contracting liquidity, declining earnings, and overvaluation are keeping the Model out of the market. We expect the most extreme liquidity contraction since 1980 to eventually overwhelm the short-term stimulus added by the Fed to deal with the recent bank failures.
- **Energy and Consumer Staples again remained the top two sectors for May. Energy moved back into the top spot.** With the economy expected to slow significantly in the second half of 2023, Consumer Staples are benefitting from their role as a defensive holding. At the other extreme are Consumer Discretionary and Financials both with negative expected returns.
- **PG&E Corporation and DaVita Inc. were added to our recommended portfolio for May.** The Gamma Company Model maintained long positions in all the current holdings as their expected returns remained above the average for the stocks in the S&P 500. Two of the holdings (Altria Group, Kroger) were also on our "top 25" list for May. Aggressive investors might consider adding to long positions in these names.
- **The Gold Model remained long for May.** Attractive valuation in Gold Mining Shares should keep this sector moving higher, though the possibility of additional interest hikes may temporarily slow the rally.

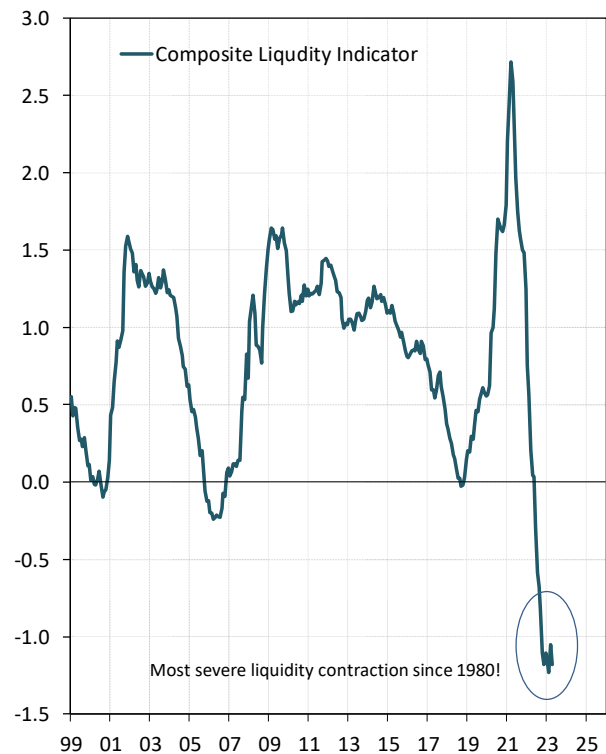
## I. Equity Index Outlook

The Gamma Liquidity Indicator is signaling the most severe liquidity contraction since 1980 (Chart 1). Improvement in the core inflation rate has stalled, and the Fed is hinting that rate hikes beyond May are now on the table. The Conference Board's index of leading economic indicators is down 12 months in a row. The OECD's leading indicator has been signaling contraction for 11 months. The collapse of Silicon Valley Bank and Signature Bank plus the impending sale/liquidation of First Republic Bank constitute the worst financial crisis since 2008. Corporate earnings are down -8% yr/yr. Stocks remain about 20% overvalued.

Yet, the S&P 500 rallied 1.41% in April and now stands just -13% below its all-time high. To be fair, the Nasdaq was down -0.1% and remains -21% below its peak. Given the plethora of bad news, the Gamma Equity Models for the S&P 500 and the Nasdaq remain neutral (in cash) for May (Chart 2). Let's look at what's keeping this market afloat and discuss whether those factors are sustainable.

The way we see the market is through Scenario A and Scenario B. Scenario A says that the Fed's next

**CHART 1**  
**Composite Liquidity Indicator**



tightening will be the last, inflation will gradually converge to the Fed’s 2% target, the Fed/FDIC/Treasury Department will contain any fires in the financial system, and the economy will manage a “soft” landing with perhaps an extended period of below-average growth. Under this scenario, equities have likely bottomed for this cycle and are likely to trend steadily higher (Chart 2).

Under Scenario B, the fireworks haven’t even started yet. Scenario B states that the reason why the market is holding up is due to the liquidity hangover from the Covid stimulus combined with the recent “mini quantitative easing” that the Fed has engaged in to deal with the flurry of bank failures. Let’s look at these in more detail.

**Positive Factors**

- **The (Liquidity) Hangover.** During the Covid pandemic and the first two years of the Biden administration, federal debt increased by over \$8 trillion. Of that \$8 trillion, over \$3 trillion was purchased by the Federal Reserve for its portfolio and was paid for with the creation of new money. That resulted in the largest increase in money supply relative to the economy ever seen (Chart 3). Between December 2016 and May 2022, the number of dollars per unit of GDP rose by 73%. There is no historical U.S. precedent for such a huge increase in the money supply in such a short period of time. And even though the Federal Reserve has raised rates nine times in the last year, this may still not be enough to offset the liquidity wave that swept through the economy.
- **“Mini” Quantitative Easing.** Prior to the SVB and Signature Bank failures, the Federal Reserve had contracted its balance sheet by \$626 billion since the peak in May 2022. Total assets had fallen to \$8.06 trillion, their lowest level since August 2021. When the SVB crisis hit in March, the Fed stepped in to provide liquidity to the entire banking system through its Bank Term Funding Program (BTFP). The BTFP provides short-term secured loans. Borrowing from the BTFP jumped from zero on March 8 before the SVB bank run to over \$81 billion this week. This jump in lending to the banking sector has significantly offset the Fed’s so-called Quantitative Tightening (QT) of reducing its portfolio of Treasuries and Mortgage-Backed Securities. In addition, the Fed briefly hit the brakes on QT as it bought almost \$400 billion in securities outright between March 1 and March 22.

These two factors have been critical to the market’s recent rally. The Fed has added almost \$500 billion in cash in the last month. That has directly supported stock prices. It has also provided indirect support by reducing investor concerns over the stability of the banking system. It may provide support in the near term, but we believe it is not sustainable if the Fed is serious about reducing inflation to a 2% rate. In that case, the prevailing negative factors will eventually take equity prices lower:

**Negative Factors**

- **Core inflation is no longer improving.** CPI inflation peaked at an 8.9% yr/yr rate eight months ago and has since fallen to 6%. **Core CPI inflation, which excludes energy and food prices, increased to a 5.6%**

**CHART 2**  
**USA: S&P 500 Model Forecast**

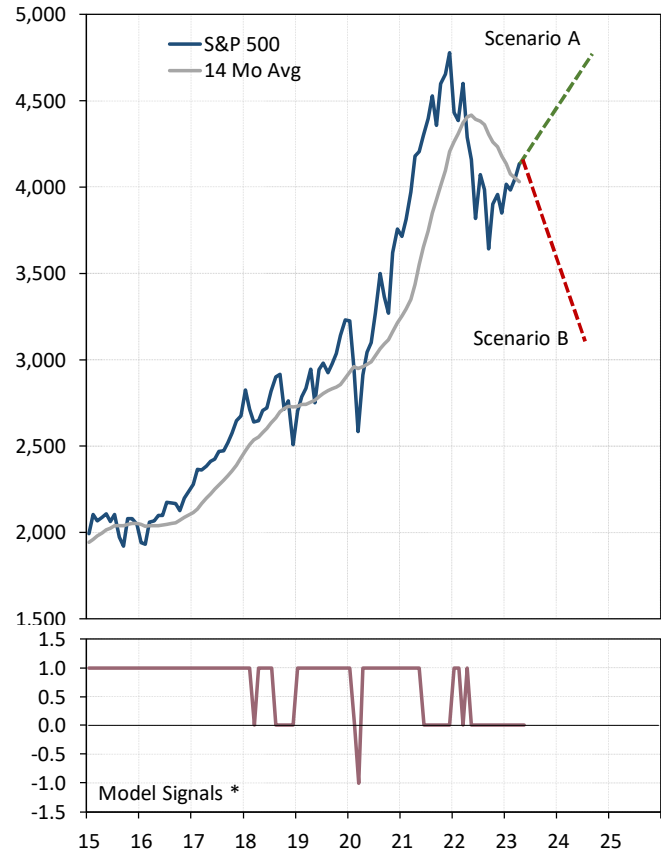
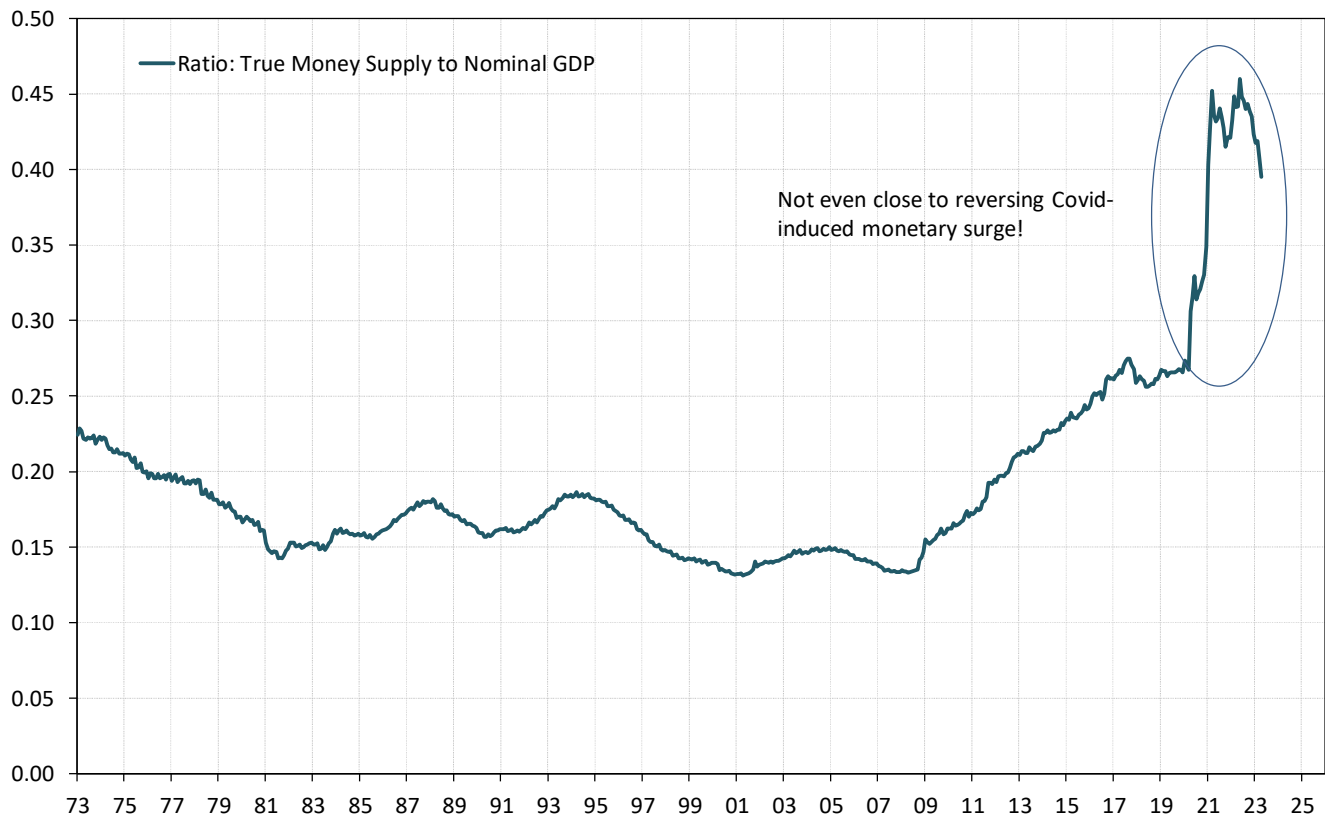


CHART 3

Ratio: True Money Supply to GDP



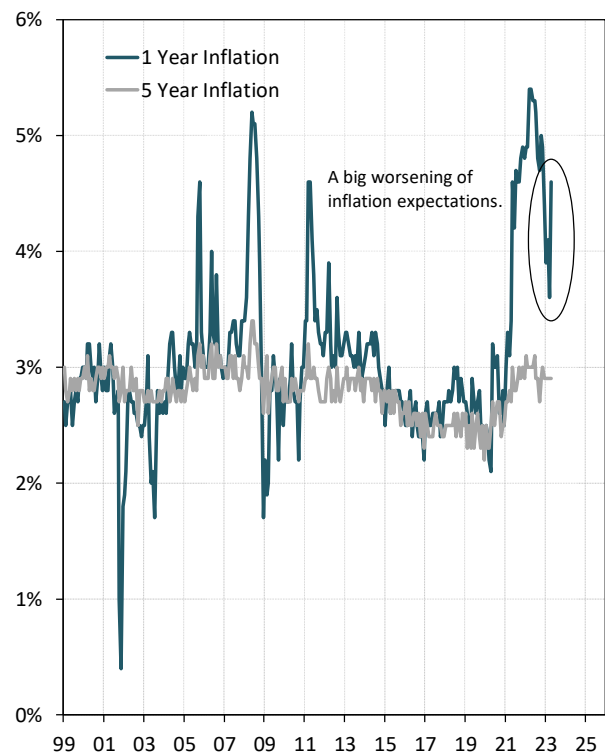
yr/yr rate in April, up from a 5.5% rate in the previous two months. The core rate has only fallen one percent from its 6.6% yr/yr peak.

Moreover, the Gamma Economic Model predicts that at the projected growth rate of the economy, inflation will bottom at a 3.7% annual rate – well short of the Fed’s 2% target. In addition, the University of Michigan’s survey of 1-year inflation expectations surged to 4.6% from 3.6% last month (Chart 4). A one percent increase in one month should make the Fed sit up and take notice.

- **Short-term interest rates continue to rise.** The lack of recent progress in core inflation will keep upward pressure on interest rates. Market expectations previously called for rates to peak with the Fed’s March FOMC meeting. Instead, the CME FedWatch Tool currently calls for another 25 basis points increase at the May meeting followed by what could be an extended pause. That would push rates above the 5% peak in 2007 before the financial crisis of 2008 (Chart 5).
- **The yield curve is becoming even more inverted.** Last month’s Fed rate hike caused the 3-30 yield curve to invert to its most extreme level since 1981,

CHART 4

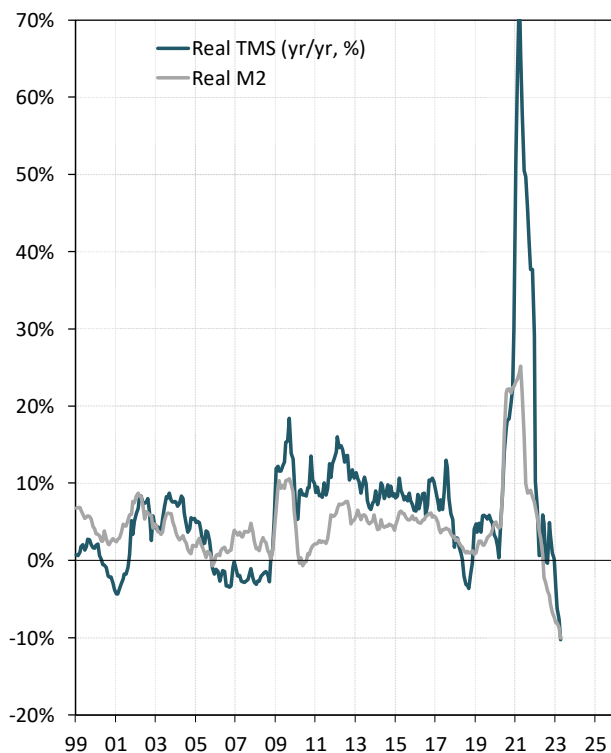
Univ of Michigan Inflation Survey



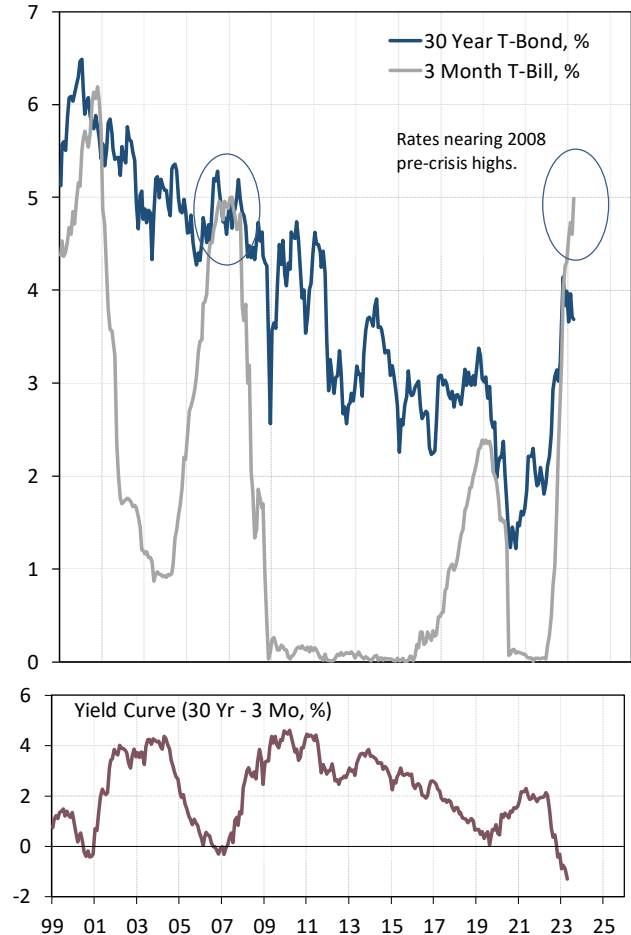
though the 2-10 curve remained unchanged (Chart 5). **Both curves remain indicative of a very restrictive monetary policy.** Both are likely to contribute to even weaker money growth. Since 1960, inversions in the 3-30 curve have invariably been followed by much lower stock prices. **The bottom in stock prices has occurred on average 13.5 months after the curve inverts.** Assuming this cycle plays out similarly to others, look for stock prices to have a rocky summer before potentially bottoming late in 2023.

- **Every measure of real money growth continues to deteriorate.** Both nominal and real (inflation-adjusted) True Money Supply (TMS) growth continues to crash. Real TMS was down -10.3% yr/yr last month (Chart 6). Nominal TMS was down -4.1%. **To put this into perspective, nominal TMS has not been negative yr/yr at any time in at least 50 years.** Real M2 was down -10% yr/yr, a new low for this cycle. Nominal M2 contracted -4.1%, something not seen since the 1930's. All the measures are indicative of a severe contraction in liquidity which is likely to worsen due to an expected further inverting of the yield curves as short-term rates rise. It is highly unlikely that money growth will recover until interest rates have clearly peaked.

**CHART 6**  
**Real True Money Supply and M2**



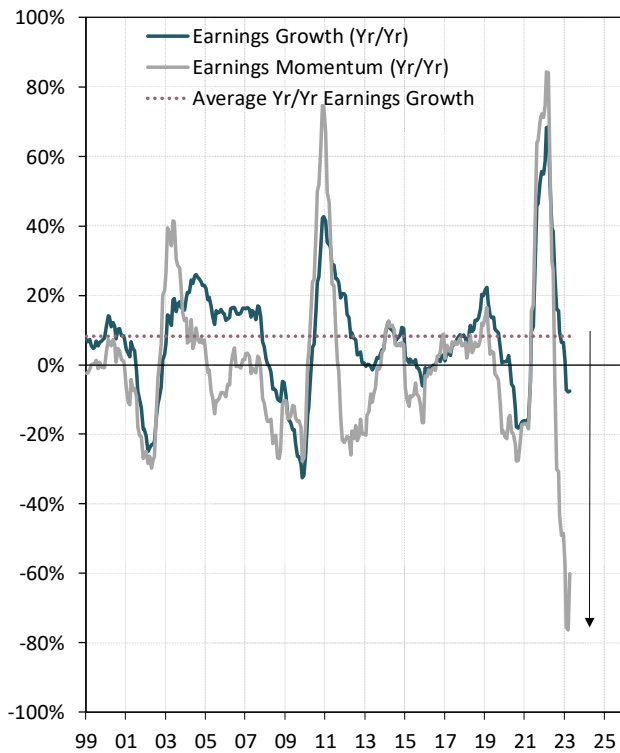
**CHART 5**  
**Interest Rates: United States**



- **The Federal Reserve's balance sheet continues to contract.** Even though the Fed injected almost \$500 billion in reserves into the banking system early last month, this is against a background of ongoing tightening. The \$81 billion through the BTFP are repurchase agreements (essentially secured loans) that will eventually be repaid. When that occurs, the money will drain from the banking system thus undoing the Fed's liquidity injection. Since March 22, the Fed has already sold \$171 billion of the \$400 billion in securities that it bought outright in early March, and we expect further liquidation to occur.
- **Corporate earnings are falling.** 12-month trailing earnings in April for the total US market, S&P 500, and Nasdaq indexes were down -7.6%, -8.0%, and -14.9, respectively (Chart 7). 12-month earnings momentum also remained strongly negative indicating that an upturn in earnings is not yet in sight. Historically, in those cases where equity prices dropped over 20% from their peaks, earnings continued to fall for an average of 12

CHART 7

US Total Market Earnings Growth

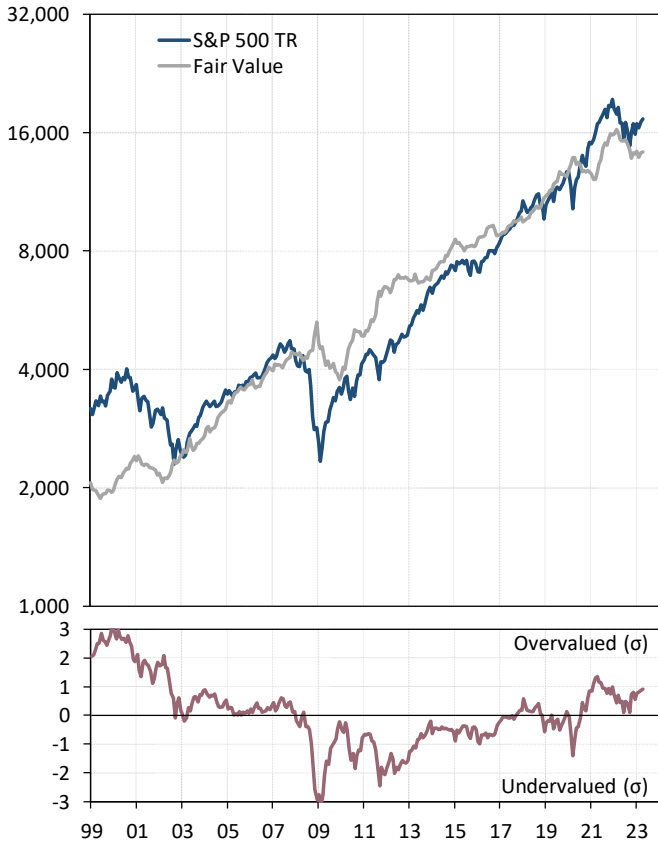


months after their yr/yr growth turned negative. That implies that earnings will be a drag on equity prices into 2024.

- Equities remain overvalued.** Last month's stock rally carried the major indexes further into overvalued territory, The S&P 500 edged up to 19% overvalued from 18% in February (Chart 8). That's now the most extreme overvaluation since December 2021. The Nasdaq, which did not share in the recovery in the S&P 500, improved from 33% overvalued to a still-high 32%. **As we have repeatedly noted, no recovery from a major bear market low has occurred in the last 60 years when stocks were not at least fairly-valued. On average, new bull markets launched when stocks were 25% undervalued.** At current valuation, the S&P 500 would need to drop to 3,000 to reach 25% undervaluation. The Nasdaq would need to fall to 7,800.
- Seasonals: Sell in May and go away?** Stocks have a reputation for underperforming during the summer months. The summer months have actually been positive historically, with the S&P 500 averaging a 0.2% monthly gain since 1974. In contrast, the S&P 500 has averaged a 1.2% monthly return in the non-summer months – a 6:1 outperformance ratio. Looking only at those summers when the Fed was tightening, the monthly summer average shows even worse underperformance with an average monthly loss of -0.04%. Investor should be careful with seasonals because they have a great deal of volatility from year-to-year. Nevertheless, the odds of the market behaving any better than average over the summer, especially with the Fed still tightening, are pretty slim.

CHART 8

USA: S&P 500 Valuation



## II. Equity Sector Outlook

There were few changes in the Sector Model forecasts for May. The average expected sector return dropped to -0.1% for May as the S&P 500 Model’s overall outlook for the equity market soured. The Energy sector regained the top spot for May, replacing Consumer Staples. Energy has held the top spot in nine of the last ten months (Table 1). Consumer Staples slipped to second on the list with an expected return of 0.55%, down from 0.84% in April. Both sectors are benefitting from above-average earnings growth and relatively favorable valuation (Tables 2, 3). Health Care and Gold Mining shares held the next two spots, unchanged from last month. On the other extreme, Financials and Consumer Discretionary again languished at the bottom. Financials are clearly being hurt by the prospect of additional bank failures and the impact of a slowing economy and high interest rates on earnings. Consumer Discretionary has lagged over concern that economic activity will finally slow in the second half due to the steady climb in interest rates and collapse in money growth.

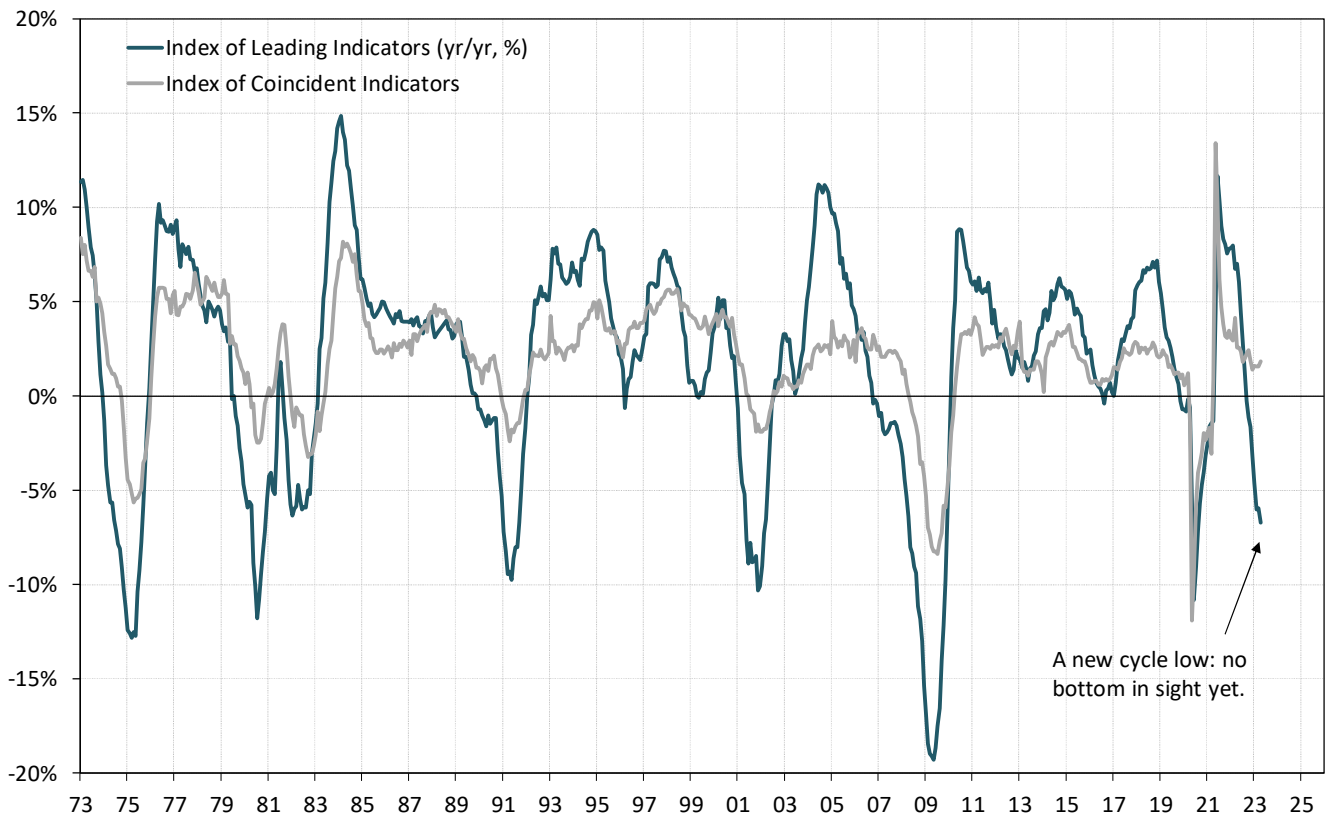
**TABLE 1**  
**1 Mo Stock Sector Index Forecasts (%)**

Sector	Ticker	1 Mo Forecast	Previous Forecast	Change
Energy	XLE	0.93%	0.72%	0.20%
Consumer Staples	XLP	0.55%	0.84%	-0.30%
Health Care	XLV	0.48%	0.58%	-0.10%
Gold Miners		0.34%	0.50%	-0.17%
Materials	XLB	0.23%	0.02%	0.20%
Real Estate	XLRE	-0.24%	0.11%	-0.35%
Utilities	XLU	-0.26%	0.31%	-0.57%
Communications Services	XLC	-0.36%	-0.22%	-0.14%
Technology	XLK	-0.43%	-0.29%	-0.14%
Industrials	XLI	-0.48%	-0.37%	-0.11%
Financials	XLF	-0.62%	-1.16%	0.55%
Consumer Discretionary	XLY	-1.36%	-1.16%	-0.20%

The relative ranking of the sectors closely reflects the outlook for the overall economy and relative valuation of the different sectors. Last month’s release of IVQ2022 GDP showed that real economic growth slowed to a modest 1.1% annual rate, down from a 2.6% rate in the previous quarter. The slowdown reflects the overall deterioration in the economic outlook based on the Conference Board’s index of leading economic indicators

**CHART 9**

### Measures of Economic Activity



(LEI). The LEI in April fell for the twelfth consecutive month in a row (Chart 9). The index is now down -6.7% yr/yr. **The index has never been down over 2% yr/yr without being followed by a recession.** The Gamma Economic Model shows growth slowing steadily for the balance of the year but still remaining positive.

Slower growth is likely to have the biggest impact on the Consumer Discretionary and Financial sectors. Consumer spending and retail sales are expected to trend lower before bottoming in early 2024 (Chart 10). Consumer Discretionary already has the third-worst sector earnings, and those are likely to worsen as earnings momentum is strongly negative (Table 2). In addition, Consumer Discretionary is the most expensive sector with over 48% overvaluation. In contrast, the more defensive Consumer Staples sector is muddling along with yr/yr earnings down a modest -8%, earnings momentum third only behind Utilities (+8%) and Gold Mining Shares (-19%), and neutral valuation.

Financials are also likely to suffer as declines in lending plus rising loan defaults and delinquencies impact earnings. Credit card delinquencies, while still below their pre-Covid peak, have risen sharply in the last several months. Bank lending has also peaked and is turning lower (Chart 11). Financials have the weakest 12-month trailing earnings of all the sectors at -33%. 12-month earnings momentum is also strongly negative at -80%, suggesting that an early recovery in earnings is unlikely.

CHART 10

Retail Sales Forecast

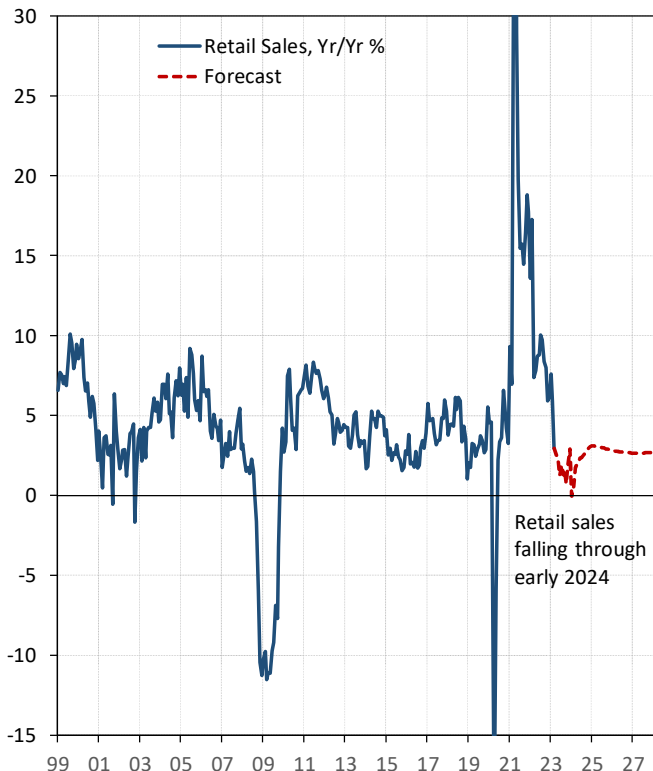


TABLE 2  
Earnings Growth (12-Month Trailing)

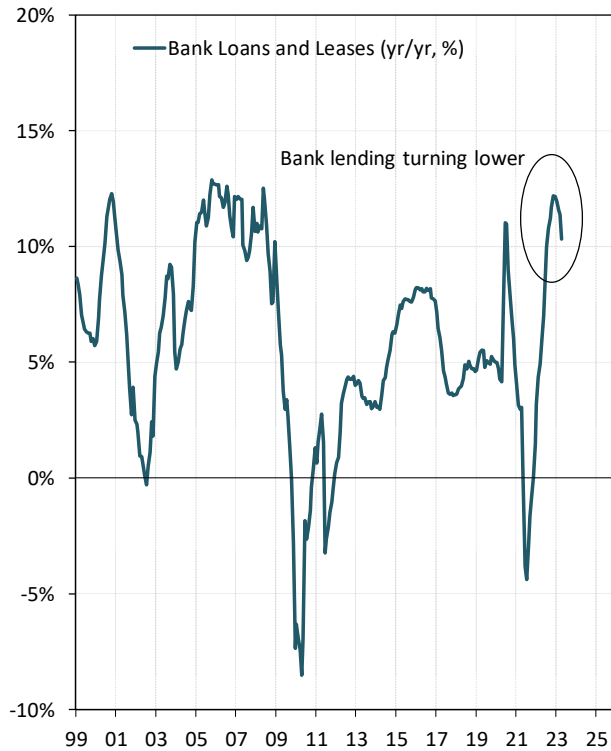
Sector	Yr/Yr % Change	Yr/Yr Moment
Energy	+127%	-768%
Utilities	+15%	+8%
Industrials	+7%	-37%
Real Estate	-3%	-68%
Health Care	-3%	-47%
Consumer Staples	-8%	-32%
Materials	-11%	-150%
Technology	-13%	-44%
Communication Services	-18%	-57%
Consumer Discretionary	-28%	-94%
Gold Mining Shares	-31%	-19%
Financials	-33%	-80%
USA (Total Market)	-8%	-60%
USA (S&P 500)	-8%	-60%
USA (Nasdaq Composite)	-15%	-49%

TABLE 3  
Sector Valuation Analysis

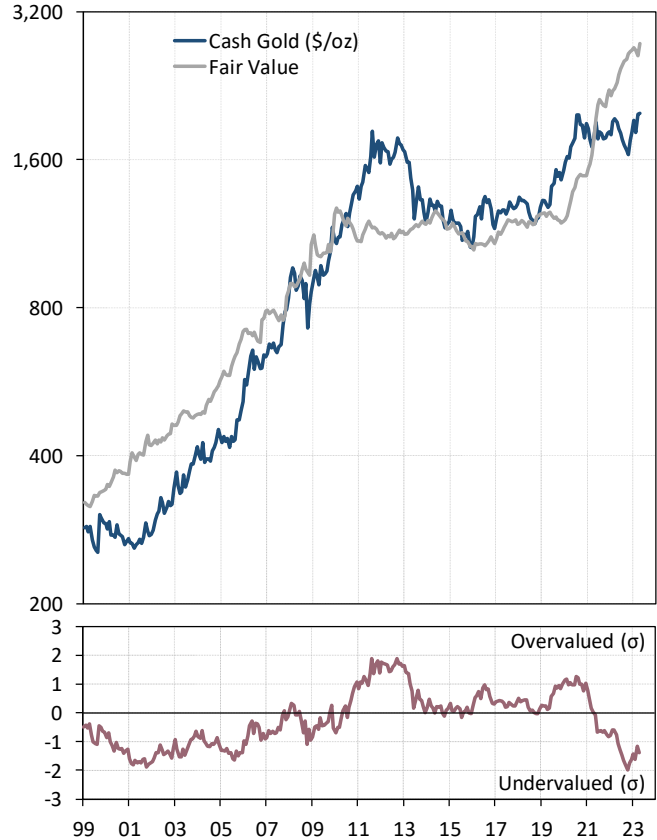
Sector	Valuation (σ)	Valuation (%)
Utilities	+1.97	+29%
Consumer Discretionary	+1.97	+48%
Communication Services	+1.56	+43%
Technology	+1.27	+42%
Health Care	+1.25	+28%
Materials	+0.67	+10%
Industrials	+0.44	+9%
Consumer Staples	+0.13	+3%
Financials	-0.41	-10%
Real Estate	-0.52	-15%
Gold Mining Shares	-0.74	-22%
Energy	-2.85	-57%

One additional sector worth highlighting is Gold Mining Shares. The Gamma Gold Model remained long for May. The sector is -22% undervalued and trails only Energy in cheapness. Earnings growth is still dismal at -31% yr/yr, but earnings momentum at -19% has recovered strongly from -105% nine months ago. The near-term risk of additional rate hikes may put a cap on near-term gains. After nine interest rate hikes in the past year, however, interest rates are realistically close to a major peak. That should provide substantial support for gold prices and gold miners. **Because of extremely attractive valuation, we continue to encourage long-term investors to take advantage of weakness in the sector to add to long positions in both metals and gold mining shares (Chart 12).**

**CHART 11**  
**Bank Lending**



**CHART 12**  
**Gold Valuation**



### III. Stock Recommendations and Review

The Gamma Company Model starts May with twelve names on our “hold long” list of companies including the latest additions, PG&E (PGE) and DaVita (DVA) (Table 4). No companies were removed from last month’s list as all the names have expected returns above the average for the stocks in the S&P 500. The portfolio had a solid April with an excess return relative to the S&P 500 of 1.2%. Altria Group (MO) and Kroger (KR) remained on our top-25 list. Investors may consider adding to existing long positions in these companies.

**TABLE 4**  
**GAMMA COMPANY MODEL - Recommended List Performance**

							As of:	Apr 28, 2023
Sector	Ticker	Entry Price	Closing Price	% Change	Trade Date	S&P 500 % Change	Excess Return	
Altria Group, Inc.	MO	\$47.63	\$47.18	-0.9%	12.2.22	1.2%	-2.1%	
Celanese Corp.	CE	\$122.12	\$102.03	-16.5%	2.6.23	0.2%	-16.7%	
Centene Corp.	CNC	\$63.21	\$68.48	8.3%	3.31.23	0.0%	8.3%	
DaVita Inc.	DVA	\$90.36	\$88.34	-2.2%	4.28.23	-1.2%	-1.0%	
Diamondback Energy, Inc.	FANG	\$145.46	\$135.05	-7.2%	12.2.22	1.2%	-8.3%	
Henry Schein Inc.	HSIC	\$78.31	\$80.48	2.8%	3.1.23	4.3%	-1.5%	
Kroger Co.	KR	\$47.57	\$49.44	3.9%	12.2.22	1.2%	2.8%	
McKesson Corp.	MCK	\$313.34	\$361.00	15.2%	6.10.22	5.6%	9.6%	
ONEOK Inc.	OKE	\$68.20	\$62.74	-8.0%	2.6.23	0.2%	-8.2%	
PG&E Corporation	PCG	\$17.11	\$17.26	0.9%	4.28.23	-1.2%	2.1%	
Pulte Group	PHM	\$57.48	\$65.77	14.4%	2.6.23	0.2%	14.2%	
Skywork Solutions Inc.	SWKS	\$93.96	\$105.40	12.2%	12.2.22	1.2%	11.0%	
<b>AVERAGE</b>							<b>0.8%</b>	



The first new name being added, PG&E Corp., has an expected return of 1.3% for May, the third highest on our top-25 list. PG&E is also a member of the Energies sector, one of the five sectors having positive expected returns for May.



- PG&E Corporation (PCG) is a holding company whose primary operating subsidiary is Pacific Gas & Electric Co. It provides natural gas & electricity to its customers in northern & central California. PCG is one of the largest utilities in the U.S.
- PCG is the third-rated stocks for May from our Gamma Company Model Forecast for the S&P 500, with a forecasted one-month price gain of +1.30% and a previous month (April) forecast gain of +0.83%.
- Analyst coverage: 14 analysts cover PCG and the recommendations are 5 strong buys, 3 buys and 6 holds. The price target range from \$16.00 - \$22.00.
- Trades at a Forward P/E (NTM) of 14.15.
- Future earning could receive a positive impact from PCG's wildfire risk reduction initiatives.
- The company has recovered since it was forced to go bankrupt in January 2019 following devastating wildfires caused by its equipment by focusing on improved safety measures, new management and heavy investing in infrastructure to prevent future wildfires.
- The company recently filed with the California's Office of Energy Infrastructure Safety its new \$18 billion Wildfire Mitigation Plan. PCG will complete its plans to bury 10,000 miles of distribution lines in an effort to eliminate its exposure to wildfires.
- PCG has an industry-leading 10% EPS growth forecasted over the next four years.
- Hedge Fund Third Point is the largest stakeholder with 59 million shares worth \$960.5 million.

The second addition to our recommended list is DaVita Inc. (DVA). DaVita has an expected return of 1.27% for May and is part of the Healthcare sector which has a 0.48% forecasted return.



- DaVita Inc. is a healthcare provider that delivers dialysis treatment to chronic kidney failure patients in the US. The Company's operations are comprised of its U.S. dialysis and related lab services business, its U.S. integrated kidney care business, its U.S. other ancillary services, and its international operations.
- DVA is the sixth-highest-rated stocks for May from our Gamma Company Model Forecast for the S&P 500, with a forecasted one-month price gain of +1.27% and a previous month (April) forecast gain of +0.41%.
- Analyst coverage: 9 analysts cover DVA and the recommendations are 1 buy, 7 holds, and 1 underperform. The price target ranges from \$84.90 - \$102.00.
- Trades at a Forward P/E (NTM) of 14.7 and the company recently raised the lower end of its guidance. Earnings are forecasted to grow 5.6% per year.
- DaVita is partnering with Medtronic (MDT) to launch Mozarc Medical, an independent new company committed to reshaping kidney health and driving patient-centered technology solutions. This new entity will focus on meaningful and innovative kidney health technologies that improve the overall patient experience and increase access to care globally.
- DVA's dialysis center operations are recession resistant with very low correlation to the overall economy.
- The \$25 billion U.S. dialysis industry is highly concentrated. The two main players, DaVita and Fresenius, account for 80% of the market, and barriers to entry are high.
- DaVita runs its dialysis business at relatively healthy low-teens operating margins.
- Warren Buffett's Berkshire Hathaway owns \$3 billion of DVA stock and began building the position in 2011.
- The company is constantly acquiring dialysis centers and related businesses, opening six centers in the US and three overseas.

**In general, we do not like being long ANY stocks at the moment given the negative forecasts from the S&P 500 and Nasdaq Models. The stocks on our recommended list, however, are likely to have the best chance of outperforming the overall market according to our Models.**

-Karl Chalupa and N. Claude Colabella

Mr. Chalupa is the CO and Co-Founder of Gamma Investment Consulting and Editor of the Gamma Intelligence Reports. He is also President of Gamma Capital LLC, a quantitative global macro investment firm. Mr. Chalupa developed the Gamma Investment Program used for previously trading the firm's \$400 million global macro program. He was previously Director of Risk Management at Titan Advisors LLC, a \$4.5 billion alternative investments firm. Mr. Chalupa was also Managing Director of the Currency and Alternative Investment Strategies Groups at State Street Global Advisors (SSGA) where he developed a \$9 billion currency overlay program and launched SSGA's first hedge fund based on his Gamma Model. Mr. Chalupa spent 13 years at ABN Amro Bank where he traded interest rate and currency derivatives and was Manager of the Proprietary Trading and Economic Research Desk. He began his career as an economist for the Federal Reserve Bank of Chicago. Mr. Chalupa holds an MA in Economics from Brown University, graduated magna cum laude from Northern Illinois University with BAs in Economics and Political Science, and is Series 3 registered.

Mr. Colabella is the Chief Operating Officer, Co-Founder of Gamma Investment Consulting and Co-Editor of the Gamma Equity Intelligence Report. He was previously Director of Communications and Investor Relations at Titan Advisors, LLC, a \$4.5 billion alternative assets solutions firm. Mr. Colabella has equity research experience with working at Petroleum Research Group, Inc. (Rye, NY), an independent energy equity research boutique and at John S. Herold, Inc., a leading petroleum research and consulting firm. He was a Managing Partner at Alpha Beta Alternative Investments, Inc., an alternative investment boutique that managed Alpha Beta Partners, LP, a multi-strategy "fund of funds". Mr. Colabella holds an MBA in Finance from Duke University, Fuqua School of Business. He graduated magna cum laude from Manhattan College, with a BS BA in Economics.

## Gamma Equity Model Forecasts for May 2023 (as of 4/28/2023)

**TABLE 1**  
**1 MONTH STOCK INDEX MODEL FORECASTS (%)**

Country	Stock Index	Price	1 Mo Forecast	Previous Forecast	Position	Trade	Updated
USA	S&P 500	4,135.35	0.00%	0.00%	Neutral	Hold	4/28/23
USA	Nadaq	12,179.15	0.00%	0.00%	Neutral	Hold	4/28/23
Canada	S&P/TSX 60	1,245.00	0.00%	0.00%	Neutral	Hold	4/28/23
Mexico	IPC	54,884.70	5.43%	0.20%	Long	Hold	4/28/23

**TABLE 2**  
**1 MONTH STOCK SECTOR MODEL FORECASTS (%)**

Sector	Ticker	1 Mo Forecast	Previous Forecast	Updated
Energy	XLE	0.93%	0.72%	4/28/23
Consumer Staples	XLP	0.55%	0.84%	4/28/23
Health Care	XLV	0.48%	0.58%	4/28/23
Gold Miners	---	0.34%	0.50%	4/28/23
Materials	XLB	0.23%	0.02%	4/28/23
Real Estate	XLRE	-0.24%	0.11%	4/28/23
Utilities	XLU	-0.26%	0.31%	4/28/23
Communications Services	XLC	-0.36%	-0.22%	4/28/23
Technology	XLK	-0.43%	-0.29%	4/28/23
Industrials	XLI	-0.48%	-0.37%	4/28/23
Financials	XLF	-0.62%	-1.16%	4/28/23
Consumer Discretionary	XLY	-1.36%	-1.16%	4/28/23

**TABLE 3**  
**S&P 500: LARGE CAP STOCKS Top 25 Picks Based on Expected Return and Factor Momentum Forecast for: May 2023**

1 Month Company Stock Price Forecasts (%)										Updated:	Apr 28, 2023
Company	Ticker	Closing Price	1 Mo Forecast	Previous Forecast	Change	% Off 52 Wk High	Forward P/E	Dividend Yield	Factor Momentum		
LINCOLN NATIONAL	LNC	\$21.73	3.03%	2.40%	0.63%	-63.9%	2.41	8.28%	Positive		
NXP SEMICONDUCTORS	NXPI	\$163.74	1.57%	0.25%	1.32%	-13.7%	12.51	2.48%	Positive		
PG&E	PCG	\$17.11	1.30%	0.83%	0.47%	0.0%	13.54	0.00%	Positive		
ALTRIA GROUP	MO	\$47.51	1.28%	1.21%	0.07%	-14.5%	9.20	7.91%	Positive		
DAVITA	DVA	\$90.36	1.27%	0.41%	0.87%	-16.6%	13.66	0.00%	Positive		
MGM RESORTS INTL.	MGM	\$44.92	1.09%	0.96%	0.13%	0.0%	48.07	0.02%	Positive		
BIO-TECHNE	TECH	\$79.88	1.03%	0.32%	0.72%	-17.1%	33.47	0.40%	Positive		
MICRON TECHNOLOGY	MU	\$64.36	0.87%	0.72%	0.15%	-12.8%	NA	0.71%	Positive		
VERTEX PHARMS.	VRTX	\$340.73	0.83%	0.53%	0.29%	0.0%	23.03	0.00%	Positive		
HUMANA	HUM	\$530.49	0.77%	0.53%	0.24%	-4.9%	17.77	0.67%	Positive		
PAYPAL HOLDINGS	PYPL	\$76.00	0.77%	0.69%	0.08%	-18.7%	14.50	0.00%	Positive		
MATCH GROUP	MTCH	\$36.90	0.74%	0.52%	0.23%	-53.4%	15.50	0.00%	Positive		
LAM RESEARCH	LRCX	\$524.08	0.74%	0.34%	0.40%	-1.1%	19.18	1.32%	Positive		
CADENCE DESIGN SYS.	CDNS	\$209.45	0.74%	0.71%	0.03%	-0.3%	39.68	0.00%	Positive		
KROGER	KR	\$48.63	0.74%	0.66%	0.07%	-9.9%	10.75	2.14%	Positive		
MONSTER BEVERAGE	MNST	\$56.00	0.70%	0.57%	0.13%	0.0%	34.89	0.00%	Positive		
VERISIGN	VRSN	\$221.80	0.68%	0.05%	0.63%	0.0%	29.64	0.00%	Positive		
INTEL	INTC	\$31.06	0.67%	0.13%	0.54%	-30.1%	30.42	1.61%	Positive		
DARDEN RESTAURANTS	DRI	\$151.93	0.55%	0.13%	0.42%	-2.1%	17.34	3.19%	Positive		
PINNACLE WEST CAP.	PNW	\$78.46	0.55%	0.48%	0.06%	-1.0%	18.57	4.41%	Positive		
COPART	CPRT	\$79.05	0.53%	0.11%	0.42%	0.0%	30.23	0.00%	Positive		
WATERS	WAT	\$300.36	0.49%	0.39%	0.10%	-17.5%	22.60	0.00%	Positive		
ELECTRONIC ARTS	EA	\$127.28	0.47%	0.19%	0.28%	-8.2%	19.07	0.60%	Positive		
KEURIG DR PEPPER	KDP	\$32.70	0.47%	0.20%	0.27%	-15.8%	18.31	2.45%	Positive		
PROLOGIS REIT	PLD	\$125.25	0.46%	0.41%	0.05%	-21.9%	36.86	2.78%	Positive		

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