

Economics Weekly

Why Wait?

Equity Research
Macroeconomics

24 July 2026

Richard de Chazal, CFA
rdechazal@williamblair.com
+44 20 7868 4489

Louis Mukama
lmukama@williamblair.com
+1 312 364 8867



Today, we're at a hinge point in history, and it's up to each of us, myself included, to meet this moment. The Fed's number one objective is to get monetary policy right. That's our clear and constant aim, the star we steer by. And if we get policy right, and we will, the inflation surge of the last five years will be a thing of the past.

– Fed Chair Kevin Warsh, 15 July 2026

Consensus is firmly in the camp that the Fed will not raise rates next week, with not one of the 175 economists polled by Bloomberg forecasting a rate increase (or a cut). The futures market, meanwhile, is attaching only a 21.9% probability to an increase, and those odds increase to 68.2% when looking out to the September FOMC meeting. **In this *Economics Weekly*, we discuss several reasons the Fed could decide to pull the trigger next week and not wait until September.**

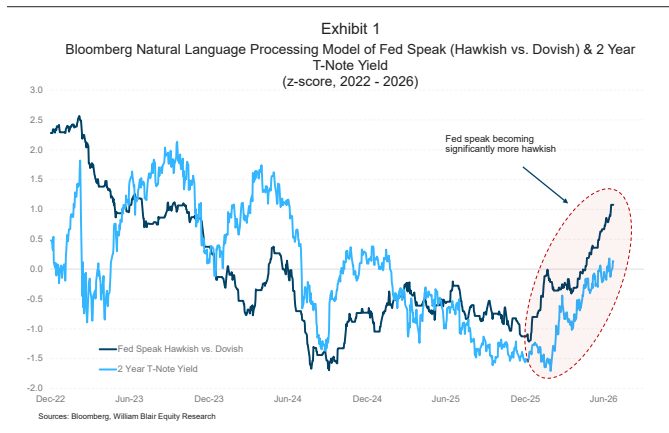
No Forward Guidance

The above quote is one of many from Chair Warsh highlighting his view that inflation has been above target for the last five years. It indicates that he thinks inflation has been much more ingrained than the Fed previously believed, and he is determined to change this. Doing nothing and once again hoping that inflation is naturally heading back down would be inconsistent with that view.

In the old regime, if the Fed was planning to change rates at an upcoming meeting but the consensus was firmly skewed in the no-change camp, it would follow the market's interpretation of its guidance and not change rates. This discrepancy would likely then lead to a scramble for intelligence to learn why the guidance around an increase that had been issued had failed to be perceived by the market. If the Fed still wanted to raise rates despite the market thinking otherwise, the chair would be forced to have a quiet word with Nick Timiraos, chief economics correspondent at the *WSJ*, to leak the news and in turn prep the market for the change—this was exactly what happened during the blackout period ahead of the June 2022 FOMC meeting.

If new Fed Chair Warsh knows that the Fed will almost certainly raise rates and wants to firmly get his message across that forward guidance has been jettisoned, what better way to achieve this than a surprise rate increase at this upcoming FOMC meeting? This would also have the added corollary of helping burnish his credentials as an inflation hawk and not someone in the pocket of President Trump.

If there is now going to be little in the way of explicit forward guidance under a Warsh Fed, investors and Fed watchers will undoubtedly spend more time tweaking natural language processing models that parse Fed speak for hawkish or dovish tilts. In exhibit 1, we plot Bloomberg's NLP model against the 2-year T-note yield (using z-scores to better compare the two series). As shown, Fed speak has become progressively more hawkish over the last few months, and this has not been matched by the behavior of the 2-year yields.



The Data Support an Increase

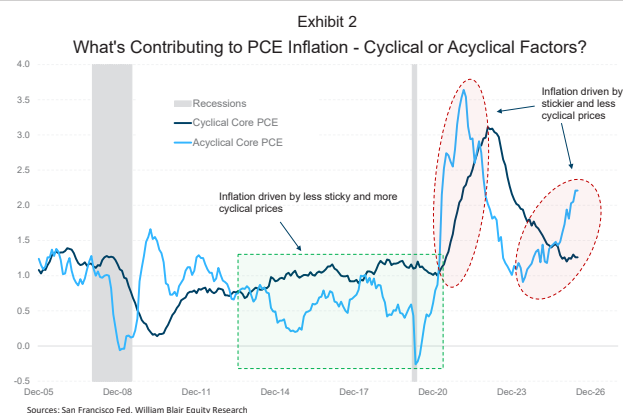
Regime Change

In the old Fed regime, there would be little question that in light of the last CPI inflation report—which came in lower than expected—the Fed would push any thought of a rate increase in July to September. Its hope would be that this was the start of a trend, with more positive surprises to follow.

Yet, the evidence over the last few weeks suggests that this softer reading was likely more of a one-off event than the start of a new trend lower. Most of the weakness in the headline number was related to much lower energy prices, which are now soaring once again as the conflict in the Middle East has reemerged. The weakness in the core reading, meanwhile, was related to a weird decline in automobile insurance over the last two months, which is unlikely to continue, and the deceleration in shelter prices, which may be coming to an end as indicated by more forward-looking measures such as the Zillow Rental Price Index. We are also starting to see the adverse impact of the latest super El Niño on commodity prices, goods prices are reaccelerating on the back of the continued capex boom, and a structurally tight labor market is keeping labor costs elevated.

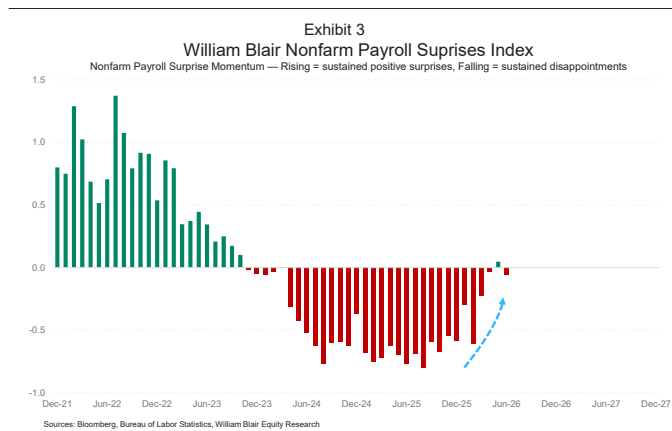
Looking at inflation from the perspective of the new regime, inflation is viewed as a choice (words that may come back to haunt Chair Warsh). In Warsh's view the old Fed should have acted more aggressively on consistently high inflation rather than believing that it should look through each successive temporary supply shock and that lower inflation was always just around the corner, negating the need for higher rates.

As we have continued to point out for several years now, we are in a new supply shock/scarcity-driven inflation regime, one defined by shortages of labor (due to the aging workforce, low birth rate, and immigration restrictions) and shortages of "stuff" (due to deglobalization, wars, geopolitical pressures, tariffs, inclement weather, and an increasing desire to hold more inventory "just in case"). In this world, inflation is stickier. It no longer has a 2% ceiling, and it is stuck in a higher 2.5%-3.0% range and with more volatility around that band as supply shocks occur with increasing frequency (exhibit 2).

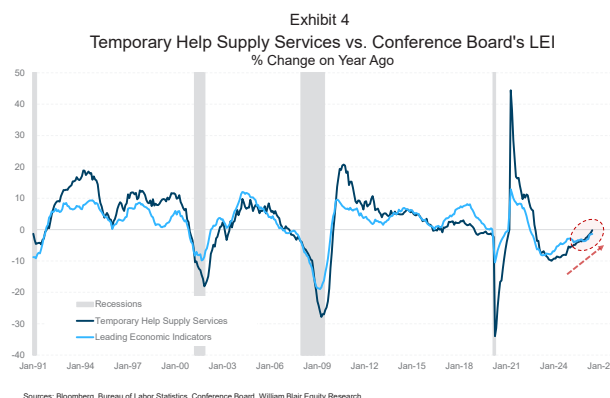


Employment Growth Is Stable and Tentatively Reaccelerating

At 4.2%, the unemployment rate exactly matches the Fed's effective estimate of NAIRU. Growth in employment, meanwhile, is tentatively reaccelerating. William Blair's surprise index for total nonfarm payrolls compares actual changes in nonfarm payrolls to the Bloomberg median consensus expectation. As illustrated in exhibit 3, the index shows a clear reversal from the last two years when employment growth continued to surprise to the downside. Sentiment at the start of 2026 had been deeply negative, with many (such as Fed Governor Waller) declaring the labor market to be on the cusp of a sharp deterioration and that as many as three rate cuts would be needed to prevent disaster.



Furthermore, as our colleague Trevor Romeo pointed out in his [note](#) on staffing companies last week, in conjunction with what we are seeing in the actual data, companies are also taking on more temporary staff—a move that has historically been a good leading indicator for economic growth (exhibit 4). This looks to be more than just a World Cup phenomenon. It is likely down to the continued strong economic growth related to the capital investment boom, and the view that the conflict in the Middle East (so far at least) is not resulting in the worst-case scenarios that were being painted when the war erupted. This is instilling greater confidence in companies that they just need to get on with it.



Financial Conditions and a Rising R-star

Despite recent extreme volatility in some sectors of the equity market, investors do not appear to be leaving the market. Rather, they are rotating into sectors that will be AI beneficiaries from adoption and into previously over-sold companies where AI-related obsolescence might not be as destructive as previously thought—i.e., there may be disruption but, ultimately, some winners will emerge (exhibit 5).

Exhibit 5

S&P 500 Excluding AI Enablers / Bloomberg US AI Enablers & Adopters Index

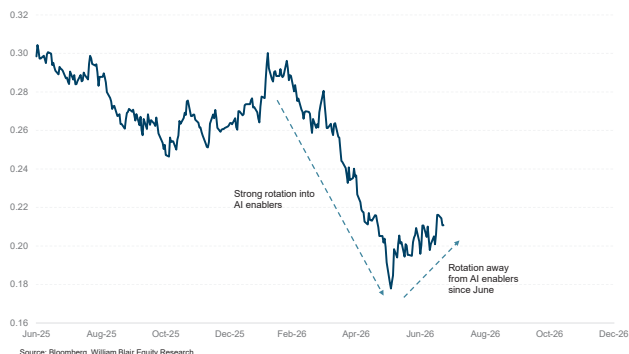


Exhibit 7

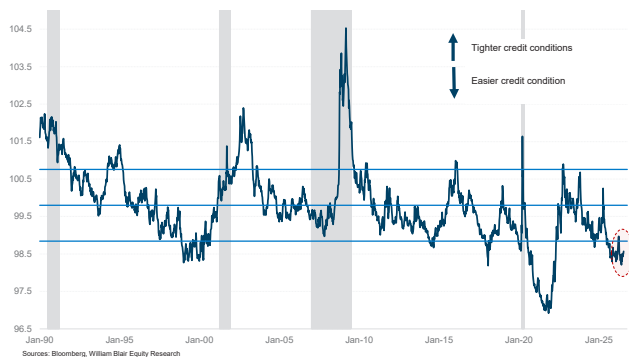
Market Implied Estimate of R^* & Effective Fed Funds Rate, %
5Year-5Year Forward OIS Swap Rate - 5Year-5Year Breakeven Inflation Rate



Furthermore, most measures of financial conditions continue to suggest that, in aggregate, conditions are still extremely loose (exhibit 6).

Exhibit 6

Goldman Sachs U.S. Financial Conditions Index



Lastly, exhibit 7 shows a rough gauge of r^* using 5-year, 5-year forward OIS swap rates, relative to the effective fed funds rate. It shows that since COVID the market has been rerating estimated potential future growth higher, and that rate continues to increase. The more it moves above the fed funds rate without the Fed adjusting rates accordingly, the looser monetary policy becomes—i.e., passive easing.

The effective fed funds rate is currently 62 basis points away from neutral. Should the Fed want rates to become restrictive, based on this measure, rates would have to move significantly higher than that estimated r^* rate of 4.25% and stay there for longer.

Conclusion

The case for waiting until September to raise rates is understandable, but it is also increasingly hard to square with the message Chair Warsh has been trying to send and the economic data. After five years of waiting and hoping that temporary supply shocks would subside and inflation would move back to target, inflation is still too high and is assuredly not heading in the right direction.

The recent softer CPI print does not look overly convincing and is likely to move higher again in the coming months. In addition, the labor market is no longer deteriorating and is tentatively reaccelerating. Lastly, financial conditions remain easy, and market-implied neutral rates continue to move higher on the back of stronger productivity growth and an AI innovation boom.

The old Fed regime might still have argued for patience, especially given that the markets are not pricing in a July increase (or decrease). In the new Warsh regime, however, this could prove a good opportunity to demonstrate that forward guidance is dead. It would also show that he means business when it comes to fighting inflation.

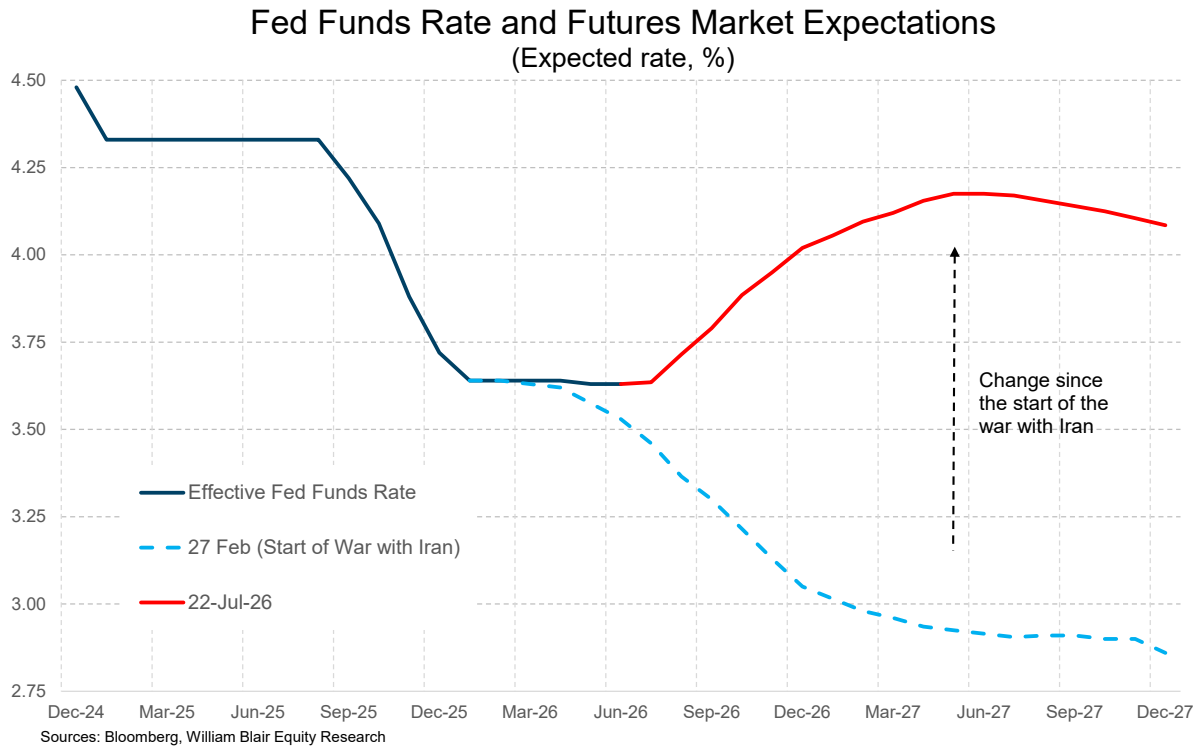
This does not mean a July increase is the base case; the bar for surprising markets remains high and would certainly be accompanied by some uncomfortable volatility. However, if the committee already believes inflation will remain above target and the labor market is no longer weakening, delaying action until September may achieve little beyond preserving market expectations. Under the prior regime, avoiding surprises was often viewed as a policy objective in itself. Under the new regime, restoring anti-inflation credibility may be viewed as the higher priority.

Highlights in the Week Ahead

Date	Time (ET)	Indicator	Last	Consensus	WB Estimate	Actual
27 Jul	8:30 a.m.	Durable Goods Orders (June)	-4.5%	1.5%	2.4%	
		Orders Less-Transportation	1.4%	0.9%	1.1%	
28 Jul	10:00 a.m.	Consumer Confidence (July)	91.2	92.0	92.3	
29 Jul	2:00 p.m.	FOMC Meeting	3.75%	3.75%	4.00%	
30 Jul	8:30 a.m.	Personal Income (June)	0.7%	0.3%	0.3%	
		Personal Spending	0.7%	0.4%	0.3%	
30 Jul	8:30 a.m.	GDP (Q2 Advance)	2.1%	2.3%	2.1%	
31 Jul	8:30 a.m.	Employment Cost Index (Q2)	0.9%	0.8%	0.9%	

Sources: Bloomberg, William Blair Equity Research

Indicators of the Week: FOMC Meeting



Economic Scorecard

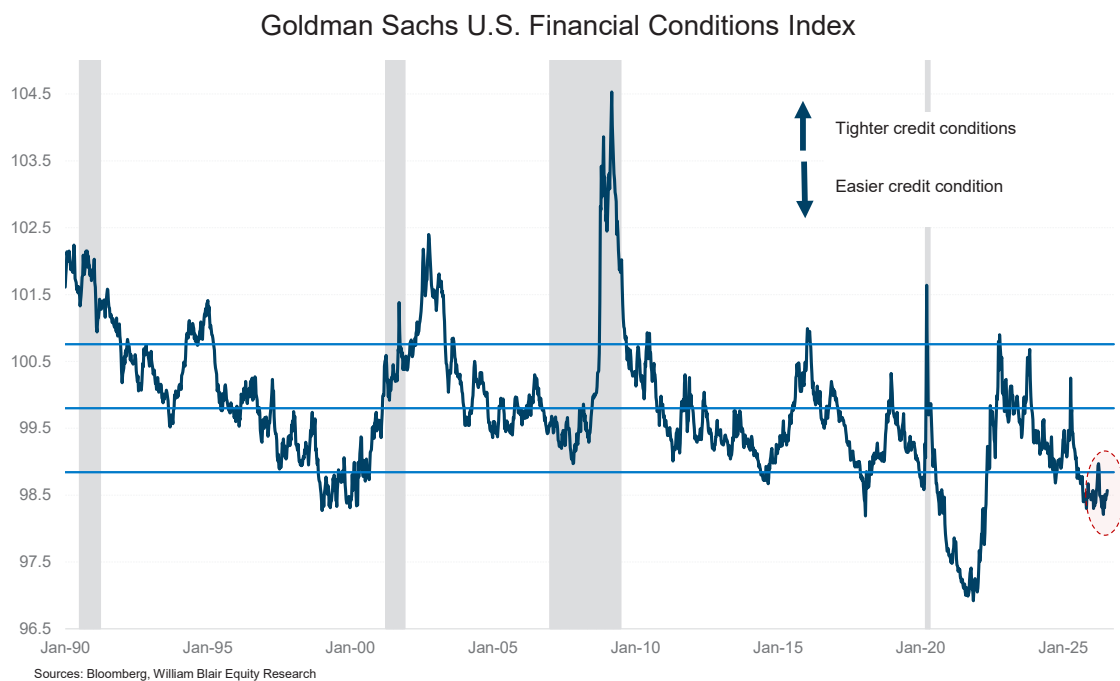
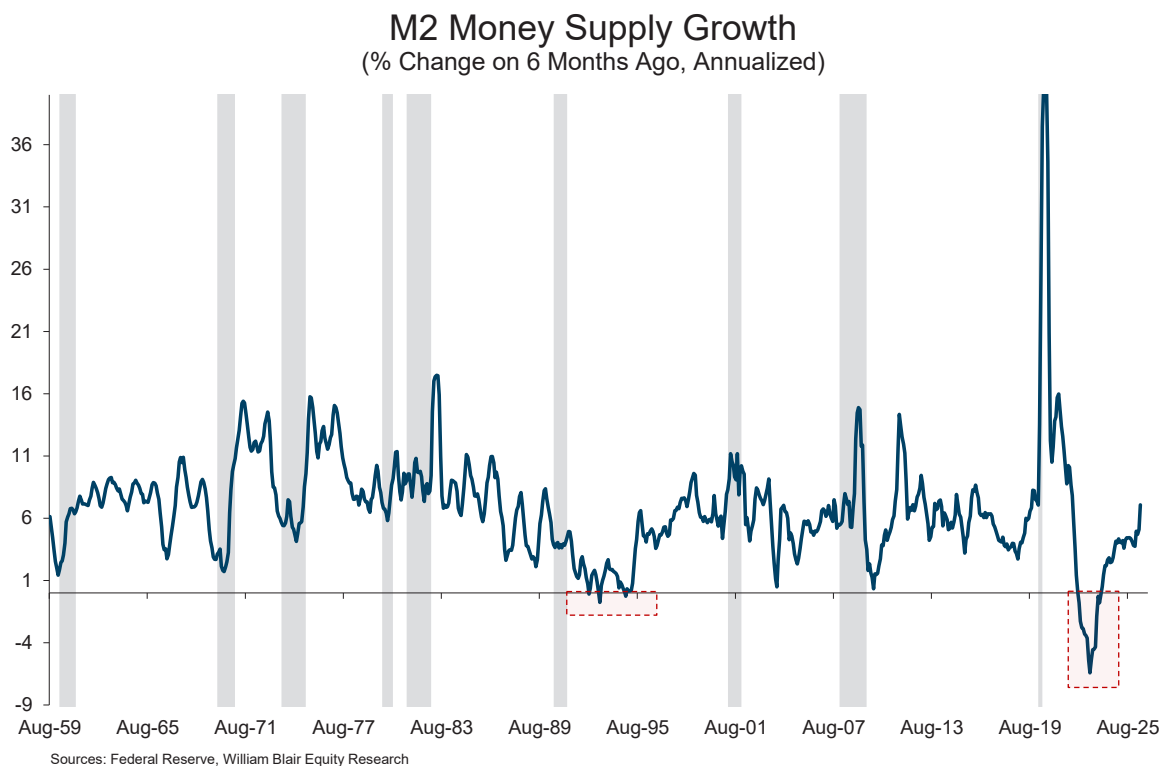
Rolling monthly heat map, % Change on Year Ago (unless otherwise noted)

	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26
Growth																			
US Leading Indicators	-2.8	-3.0	-3.3	-4.1	-3.7	-3.8	-3.4	-3.5	-3.2	-3.1	-3.7	-3.7	-3.6	-3.1	-3.0	-1.6	-1.5		
US Coincident Indicators	1.4	1.4	1.8	1.8	1.1	1.1	1.4	1.2	1.2	1.0	0.8	0.6	0.9	0.8	0.3	0.2	0.6		
US Lagging Indicators	-0.6	-0.5	-0.6	-0.8	-0.1	-0.3	-0.5	-0.4	0.2	0.3	0.3	0.7	0.9	0.6	1.1	1.5	0.9		
Consumer																			
Total Retail Sales	4.5	3.8	5.2	5.1	3.1	4	4.1	5	4.1	3.2	3.2	2.4	3.3	4.2	4.2	5.1	7.3	6.7	
Personal Income	5	5	5.2	5.6	4.5	4.3	4.8	5.1	5.1	4.5	4.4	4.2	4.1	3.5	3.3	2.6	3.8		
Real Disposable Personal Income	1.8	1.8	2.3	2.8	1.5	1.2	1.7	1.8	1.8	1.3	1	0.8	1.4	0.8	0	-1.1	0		
Real Personal Consumption	3.3	2.7	3.2	3.1	2.5	2.5	2.6	2.8	2.4	2.5	2.2	1.6	2	2.4	1.9	1.7	2.1		
Personal Saving Rate (%)	5.1	5.2	5.1	5.5	4.9	4.6	4.5	4.4	4.3	3.9	3.8	3.6	4.4	3.8	3.5	3	3		
Consumer Confidence (Conference Board)**	105.3	100.1	93.9	85.7	98.4	95.2	98.7	97.8	95.6	95.5	92.9	94.2	89	91	92.2	93.8	90.6	91.2	
Employment																			
Employment Growth	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.2	0.1	0.2	0.2	0.3	0.3	
ASA Temporary Staffing Index	-8.2	-7.5	-8.7	-6.4	-5.8	-5.3	-0.8	-0.9	0.8	1.5	4.5	7.3	2.3	3.2	6.1	5.4	5.1	6.5	
ISM Employment Index Manufacturing*	49.7	47.1	44.4	46.2	46.1	45.1	44.9	44.3	45.4	45.8	44.1	44.8	48.1	48.8	48.7	46.4	48.6	49.7	
ISM Employment Index Services*	51.4	53.4	46	49.2	50.4	47.7	46.9	46.9	47.6	48.1	48.7	51.7	50.3	51.8	45.2	48	47.9	51.2	
Unemployment Rate, %	4	4.2	4.2	4.2	4.3	4.1	4.3	4.3	4.4		4.5	4.4	4.3	4.4	4.3	4.3	4.3	4.2	
Average Hourly Earnings	4	4.1	4.2	3.9	4	3.9	4	3.8	3.9	3.9	3.7	3.7	3.7	3.7	3.4	3.6	3.4	3.5	
Initial Jobless Claims (avg. wkly. chg. '000s)	219	226	223	226	233	239	222	231	234	226	221	219	213	216	208	208	215	223	
Jop Openings	-11.3	-14.2	-15.3	-5.7	-6.1	-2.9	-4.5	-8.0	3.3	-2.8	-9.5	-10.2	-2.6	-4.4	-0.9	6.9	3.9		
Layoff Announcements	-39.5	103.2	204.8	62.7	47	-1.6	139.8	13.3	-25.8	175.3	23.5	-8.3	117.8	-71.9	-78	-20.9	3.4	-4.5	
Housing Market																			
Housing Starts	-1.8	-4.1	3.8	1.5	-3	4.6	12.8	-7.4	-2.8	-7.1	1.5	-7.8	2.4	-9.7	13.1	1	-7		
New Home Sales	-2.6	-1.8	-3.7	-0.7	-7.2	-2.6	-11.5	1.6	-0.1	3.2	13.2	3	-13.4	-1.7	1.2	-10.7	-6.8		
Existing Home Sales	1.7	-1.0	-2.7	-1.5	-0.5	0.5	0.8	2.3	4.4	2.2	-1.2	1.9	-1.7	-0.5	-0.3	0.5	3.7		
Median House Price (Existing Homes)	-0.2	-1.4	-5.4	-0.4	2.5	-1.2	-7.4	3	-1	-5.2	1.2	1.4	-3.1	-0.7	-4.8	0.7	0		
Existing Homes Inventory (Mths' supply)	3.9	4	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4	4.2	4.3	4.3	4.3	4.2		
New Homes Inventory (Mths' supply)	9	9.4	9.3	8.6	9.7	9	9.2	8.5	8.2	9	7.7	7.9	9.9	9.3	8.7	9.3	10.3		
NAHB Homebuilder Sentiment*	47	42	39	40	34	32	33	32	32	37	38	39	37	37	38	34	37		
Inflation																			
Consumer Price Index	3	2.8	2.4	2.3	2.4	2.7	2.7	2.9	3		2.7	2.7	2.4	2.4	3.3	3.8	4.2	3.5	
CPI Less-food & energy	3.3	3.1	2.8	2.8	2.8	2.9	3.1	3.1	3		2.6	2.6	2.5	2.5	2.6	2.8	2.9	2.6	
Producer Price Index	3.8	3.4	3.2	2.4	2.7	2.4	3.2	2.7	3	2.8	3.1	3.1	3.1	3.4	4.3	5.7	6	5.5	
PPI Less-food & energy	3.9	3.7	3.8	3.1	3.2	2.7	3.5	2.9	3	3	3.2	3.4	3.7	3.8	3.9	4.9	4.6	4.7	
PCE Price Index	2.6	2.7	2.4	2.3	2.5	2.6	2.6	2.7	2.8	2.7	2.8	2.9	2.9	2.9	3.5	3.8	4.1		
PCE Prices Less-food & energy	2.8	3.0	2.7	2.6	2.8	2.8	2.9	2.9	2.8	2.8	2.8	3.0	3.1	3.0	3.3	3.3	3.4		
Business Activity - US																			
Industrial Production	0.9	0.8	0.6	0.9	0.1	0.6	1.9	1.2	1.9	1.8	1.8	1.2	1.0	0.8	0.6	1.3	1.6	1.1	
New Cap Gds Orders less-aircraft & parts	3.3	-0.9	2.2	0.5	2.2	4.5	4.4	2.5	5.3	6.2	4.1	8	2.9	5.9	10.8	11.1	10.1		
Business Inventories	1.8	2.5	2.2	2.5	2.1	1.7	1.6	1.4	1	1.3	1.3	1.2	1.5	1	1.2	2.1	2.8	3.1	
ISM Manufacturing PMI*	50.5	50	48.9	48.8	48.6	49	48.4	48.9	48.9	48.8	48	47.9	52.6	52.4	52.7	52.7	54	53.3	
Markit US Manufacturing PMI*	51.2	52.7	50.2	50.2	52	52.9	49.8	53	52	52.5	52.2	51.8	52.4	51.6	52.3	54.5	55.1	53.9	
ISM Services Index*	52.6	53.2	50.8	51.6	50.2	50.8	50.5	51.9	50.3	52	52.4	53.8	53.8	56.1	54	53.6	54.5	54	
Markit US Services PMI*	52.9	51	54.4	50.8	53.7	52.9	55.7	54.5	54.2	54.8	54.1	52.5	52.7	51.7	49.8	51	50.7	51.2	
Business Activity - International																			
Germany Manufacturing PMI Markit/BME*	45	46.5	48.3	48.4	48.3	49	49.1	49.8	49.5	49.6	48.2	47	49.1	50.9	52.2	51.4	50.1	50.3	
Japan Manufacturing PMI Jibun Bank*	48.7	49	48.4	48.7	49.4	50.1	49	49.7	48.5	48.2	48.7	50	51.5	53	51.6	55.1	54.5	54.8	
Caixin China Manufacturing PMI*	50.1	50.8	51.2	50.4	48.3	50.4	49.5	50.5	51.2	50.6	49.9	50.1	50.3	52.1	50.8	52.2	51.8	51.7	
China Manufacturing PMI*	49.1	50.2	50.5	49	49.5	49.7	49.3	49.4	49.8	49	49.2	50.1	49.3	49	50.4	50.3	50	50.3	
UK Manufacturing PMI Markit/CIPS*	48.3	46.9	44.9	45.4	46.4	47.7	48	47	46.2	49.7	50.2	50.6	51.8	51.7	51	53.7	53.9	52.5	
France Manufacturing PMI Markit*	45	45.8	48.5	48.7	49.8	48.1	48.2	50.4	48.2	48.8	47.8	50.7	51.2	50.1	50	52.8	49.7	51.2	
Currencies***																			
Euro (EUR/USD)	-4.2	-4.0	0.2	6.2	4.6	10.0	5.4	5.8	5.4	6.0	9.7	13.4	14.4	13.9	6.8	3.6	2.7	-3.1	
Renminbi (USD/CNY)	1.1	1.2	0.5	0.4	-0.6	-1.4	-0.4	0.6	1.5	0.0	-2.4	-4.3	-4.0	-5.7	-5.0	-6.1	-6.0	-5.3	
Yen (USD/Yen)	5.6	0.4	-0.9	-9.3	-8.4	-10.5	0.5	0.6	3.0	1.3	4.3	-0.3	-0.3	3.6	5.8	9.4	10.6	12.9	
Sterling (GBP/USD)	-2.3	-0.4	2.3	6.7	5.6	8.6	2.7	2.9	0.5	2.0	3.9	7.7	10.4	7.2	2.4	2.1	0.0	-3.4	
Canadian \$ (USD/CAD)	8.2	6.5	6.3	0.2	0.8	-0.5	0.3	1.8	2.9	0.5	-0.2	-4.6	-6.4	-5.7	-3.3	-1.6	0.4	4.3	
Mexican Peso (USD/MXN)	20.1	20.5	23.6	14.4	14.3	2.3	1.4	-5.4	-7.0	-7.4	-10.2	-13.5	-15.6	-16.2	-12.4	-11.0	-10.7	-6.7	
US Equities																			
S&P 500	24.7	16.8	6.8	10.6	12.0	13.6	14.8	14.4	16.1	19.9	13.5	16.4	14.9	15.5	16.3	29.4	28.2	20.9	
S&P 400 Midcap	18.6	7.1	-4.2	-0.3	0.6	5.9	1.7	5.3	4.5	4.8	-1.7	5.9	6.1	15.5	15.7	27.6	24.1	24.2	
S&P 600 Smallcap	14.5	4.5	-5.0	-3.6	-3.4	2.8	-6.3	1.8	1.9	3.8	-4.0	4.2	7.0	15.9	18.5	36.6	31.2	35.3	
Russell 2000	17.5	5.3	-5.3	-0.5	-0.2	6.2	-1.9	6.7	9.3	12.9	2.7	11.3	14.3	21.7	24.1	42.6	41.3	39.0	

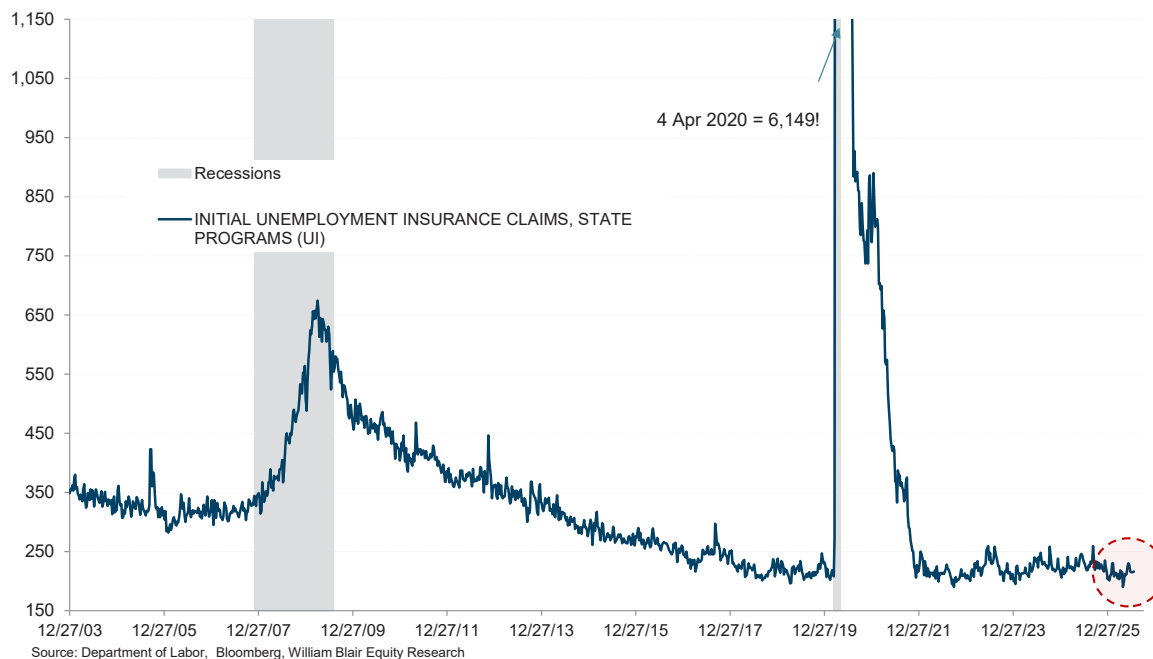
* Diffusion Index, **1985=100, ***Currencies - green/red = strengthening/weakening foreign currency vs dollar

Source: ISM, Federal Reserve, Census Bureau, Bureau of Labor Statistics, Conference Board, Bloomberg, William Blair

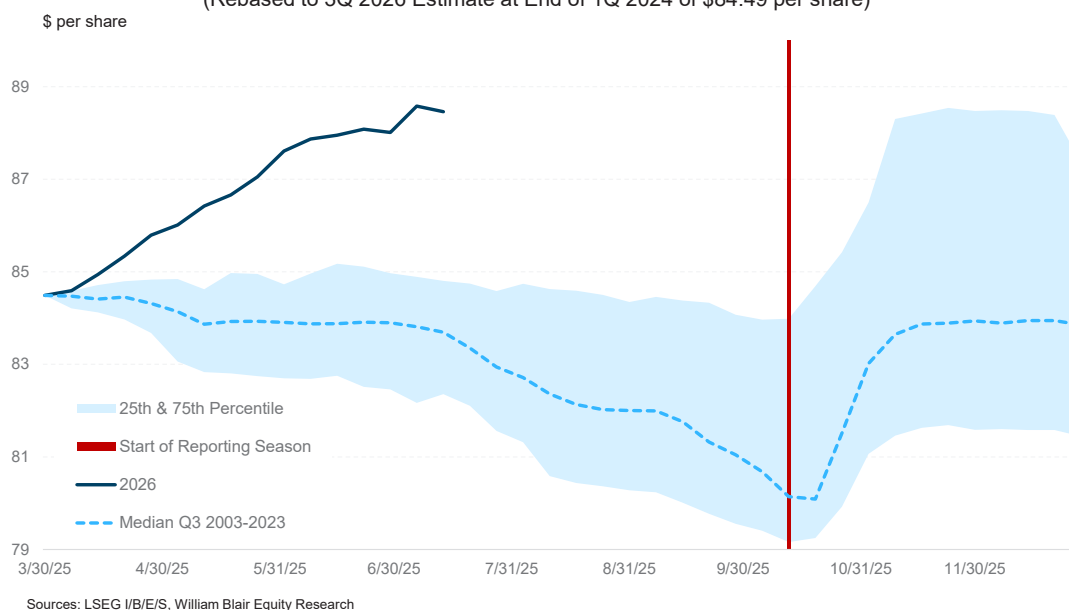
Other Economic Indicators



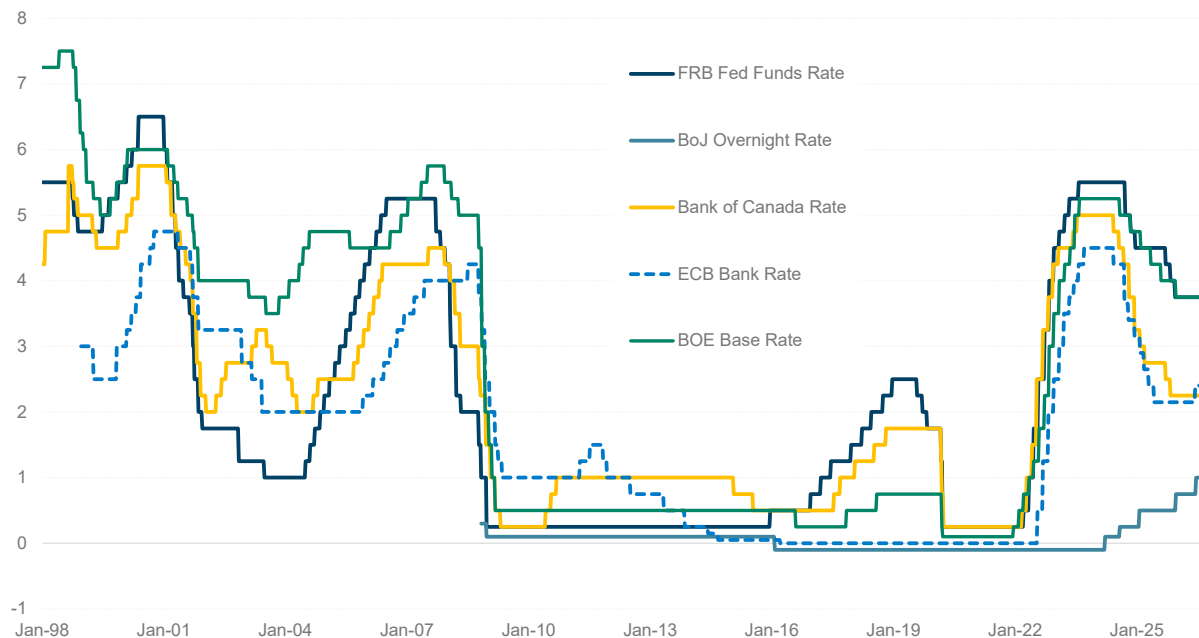
Initial Jobless Claims (‘000s, Seasonally Adjusted)



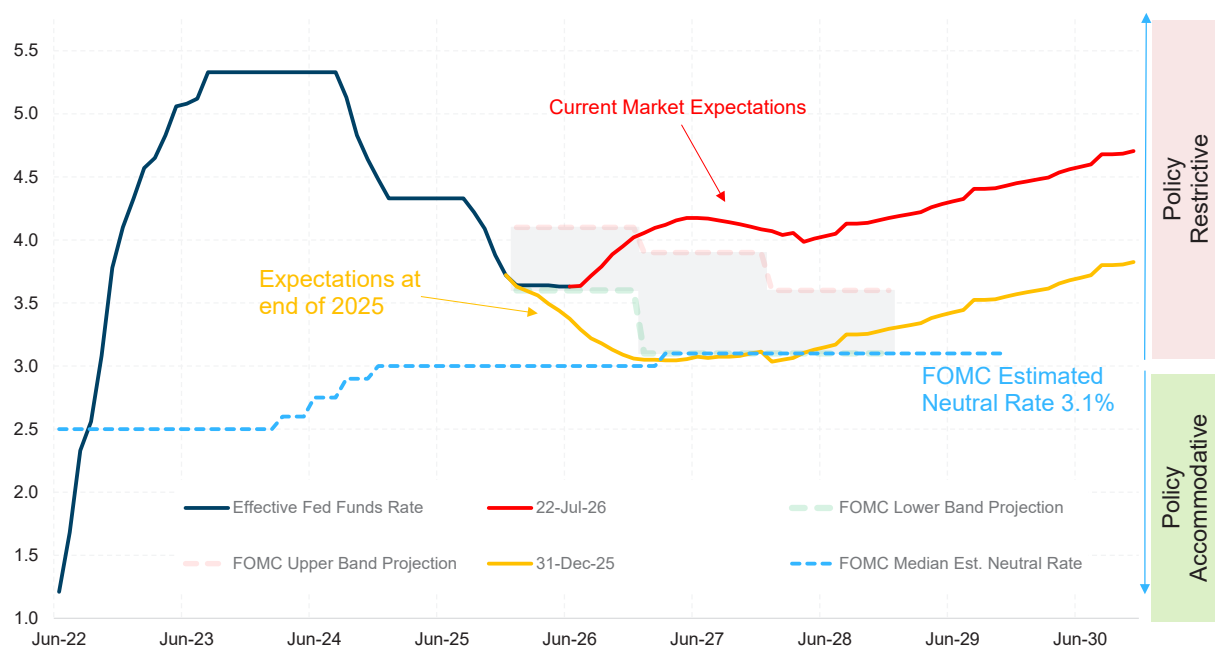
Progression of S&P 500 3Q EPS Estimates, 3Q 2026 vs. Median 3Q 2002-2025 (Rebased to 3Q 2026 Estimate at End of 1Q 2024 of \$84.49 per share)



Central Bank Target Short-Term Interest Rates, %



Fed Funds Rate Futures Market Expectations & FOMC Projections, %



S&P 500 Sector Performance

Global Industry Classification System	Current Weight* 23-Jul-26	Week Ago 16-Jul-26	Month Ago 23-Jun-26	Qtr-to-Date 30-Jun-26	Year-to-Date 31-Dec-25
S&P 500 Index	100.00	-1.67	0.58	-1.21	8.22
S&P 400 MidCap Index		-0.72	0.05	-2.16	14.04
S&P 600 SmallCap Index		-1.51	1.34	-2.35	20.05
Dow Jones Industrials		-1.60	0.09	-1.16	7.59
Nasdaq Composite		-2.88	-1.76	-4.10	8.16
Communication Services	9.25	-8.76	-4.20	-5.03	-4.61
Advertising	0.04	-8.65	3.24	3.14	-24.35
Broadcasting	0.05	-3.81	7.97	2.38	-26.27
Cable & Satellite	0.04	-2.44	-8.46	-10.40	-29.28
Integrated Telecommunication Services	0.61	-0.29	-3.28	3.07	-5.24
Interactive Home Entertainment	0.14	-1.54	-1.05	-2.83	-3.80
Interactive Media & Services	7.24	-9.82	-4.11	-6.08	-1.47
Movies & Entertainment	0.83	-6.60	-6.37	-3.61	-20.68
Publishing & Printing	0.02	-8.31	5.33	6.04	0.69
Wireless Telecommunication Svcs	0.27	-11.63	-7.67	1.61	-16.07
Consumer Discretionary	9.10	-7.73	-4.01	-7.08	-8.11
Apparel Retail	0.36	-0.63	-4.28	3.59	7.33
Apparel & Accessories & Luxury Goods	0.08	-4.43	-6.06	-5.23	-11.96
Auto Parts & Equipment	0.02	-5.33	-8.66	-8.60	-15.25
Automobile Manufacturers	2.03	-16.18	-14.34	-21.40	-26.06
Automobile Retail	0.24	-5.74	-3.86	-7.65	-15.16
Broadline Retail	3.75	-6.39	-0.18	-1.97	1.65
Casinos & Gaming	0.08	-1.23	-4.71	-1.98	-16.47
Computer & Electronics Retail	0.03	-1.01	12.35	11.27	26.15
Consumer Electronics	0.07	-4.34	1.56	1.08	18.36
Distributors	0.02	-4.46	12.75	1.75	-2.84
Footwear	0.09	-8.86	-4.15	-0.80	-30.99
Home Furnishings	0.01	-4.08	1.24	-9.33	0.66
Home Improvement Retail	0.64	-6.67	-1.41	-8.06	-8.64
Homebuilding	0.14	-6.34	-5.72	-10.70	-6.46
Hotels, Resorts & Cruise Lines	0.74	-4.37	-3.59	-4.68	-4.43
Leisure Products	0.02	6.41	5.41	5.77	6.52
Restaurants	0.71	-4.90	-1.02	-3.27	-7.54
Other Specialty Retail	0.05	-1.08	3.23	1.38	-30.13
Consumer Staples	5.00	-3.05	-1.66	-0.16	6.55
Agricultural Products	0.10	4.47	12.83	13.47	46.28
Brewers	0.01	-4.16	0.83	2.77	-14.22
Consumer Staples Merchandise Retail	2.18	-3.91	-5.12	-1.97	3.27
Distillers & Vintners	0.04	-4.05	-9.06	-6.40	-5.46
Food Distributors	0.06	-0.63	3.09	-2.21	10.91
Food Retail	0.10	0.26	1.38	5.10	6.22
Household Products	0.71	-3.12	-1.82	-0.35	4.68
Packaged Foods & Meats	0.30	-2.83	1.05	2.37	-1.97
Personal Care Products	0.08	-1.67	-0.02	-0.29	-5.01
Soft Drinks	0.97	-4.35	-1.32	-1.14	8.25
Tobacco	0.61	0.10	5.06	4.01	20.79
Energy	3.26	4.69	9.75	12.46	32.69
Integrated Oil & Gas	1.60	6.88	11.57	15.76	29.73
Oil & Gas Equipment & Services	0.22	-1.40	-3.41	0.42	21.72
Oil & Gas Exploration & Production	0.63	5.95	7.78	10.68	25.08
Oil & Gas Refining & Marketing & Transportation	0.39	2.17	24.20	20.50	79.52
Oil & Gas Storage & Transportation	0.42	0.87	2.47	3.91	29.54

Financials	11.70	-1.63	3.58	4.04	1.90
Asset Management & Custody Banks	0.97	-3.34	4.68	7.50	1.05
Consumer Finance	0.56	-5.53	0.57	-0.14	-12.19
Diversified Banks	3.12	0.22	2.92	4.58	8.35
Diversified Financial Services	6.68	-2.84	3.27	3.82	-1.67
Financial Exchanges & Data	0.80	-4.06	6.61	10.33	-10.87
Insurance Brokers	0.40	-3.81	10.13	6.35	-5.55
Investment Banking & Brokerage	1.44	-1.79	-0.69	5.55	14.02
Life & Health Insurance	0.29	-1.27	3.93	5.98	13.56
Multi-Sector Holdings	1.00	-0.46	-0.40	-1.91	-2.35
Property & Casualty Insurance	0.91	3.23	5.32	3.03	6.61
Regional Banks	0.28	-4.32	3.47	1.78	10.51
Reinsurance	0.02	0.63	9.31	5.13	10.67
Transaction & Payment Processing	1.82	-3.74	8.70	3.83	-3.84
Health Care	8.87	-0.25	5.98	1.60	4.20
Biotechnology	1.58	-1.08	6.49	0.99	9.53
Health Care Distributors	0.32	-1.61	5.62	4.75	-0.04
Health Care Equipment	1.26	-5.11	-0.25	0.07	-23.74
Health Care Facilities	0.13	-2.28	-1.96	-2.84	-20.92
Health Care Services	0.40	1.49	5.68	3.96	23.67
Health Care Supplies	0.06	-4.96	3.59	-0.83	-4.73
Life Sciences Tools & Services	0.80	0.66	15.09	6.83	-3.03
Managed Health Care	0.80	0.45	2.66	0.94	27.69
Pharmaceuticals	3.48	1.99	7.43	1.05	14.31
Industrials	8.45	0.99	2.12	-1.83	17.28
Aerospace & Defense	2.17	2.60	2.91	0.43	8.35
Agricultural & Farm Machinery	0.24	1.84	3.05	-3.83	31.03
Air Freight & Logistics	0.30	-1.78	5.71	4.79	24.15
Building Products	0.46	0.41	1.39	-3.34	17.92
Cargo Ground Transportation	0.14	-1.95	3.38	3.85	48.18
Construction & Engineering	0.29	5.11	-6.23	-8.36	59.43
Construction Machinery & Heavy Trucks	0.91	3.03	-5.17	-10.70	45.67
Data Processing & Outsourced Services	0.02	-5.66	5.92	5.44	-35.30
Diversified Support Svcs	0.16	-2.09	11.46	12.56	-5.51
Electrical Components & Equipment	0.74	2.95	-0.69	-4.87	21.73
Environmental & Facilities Services	0.30	-3.33	5.52	3.90	-0.30
Heavy Electrical Equipment	0.40	-0.49	-0.37	-12.23	57.78
Human Resource & Employment Services	0.20	-4.85	10.88	9.52	-3.79
Industrial Conglomerates	0.24	6.66	6.74	7.14	16.02
Industrial Machinery	0.60	-1.93	2.20	-1.35	4.68
Passenger Airlines	0.17	-5.47	-6.17	-13.50	10.89
Passenger Ground Transportation	0.21	-6.93	-1.09	-4.50	-15.66
Railroads	0.52	2.54	16.15	11.43	32.49
Research & Consulting Svcs	0.11	-3.12	8.65	6.22	-20.18
Trading Companies & Distributors	0.28	1.19	4.24	-0.77	30.68
Information Technology	35.38	0.19	-0.10	-2.48	16.46
Application Software	1.62	-8.06	0.16	-2.99	-31.89
Communications Equipment	1.28	3.84	-2.60	-3.25	39.02
Electronic Components	0.57	2.88	-10.58	-23.67	34.26
Electronic Equipment & Instruments	0.14	2.81	-2.01	-5.13	39.53
Electronic Manufacturing Services	0.20	2.19	-9.98	-12.61	0.58
Internet Software & Services	0.08	-4.69	4.90	2.16	1.85
IT Consulting & Services	0.46	-5.11	-13.04	-16.05	-38.87
Semiconductor Equipment	1.78	0.65	-9.52	-24.69	95.43
Semiconductors	15.32	3.68	-0.73	-2.63	32.78
Systems Software	5.63	-5.50	0.57	-0.27	-16.41
Technology Distributors	0.02	-3.10	0.09	-7.44	-4.43
Technology Hardware, Storage & Peripherals	8.26	-0.87	5.35	6.59	31.26
Materials	1.73	-1.06	-1.31	-1.40	9.53
Commodity Chemicals	0.06	6.01	4.02	14.69	36.33
Construction Materials	0.20	-6.47	-9.93	-7.20	-15.04
Copper	0.13	8.44	-1.40	0.97	25.02

William Blair

Fertilizers & Agricultural Chemicals	0.13	3.10	14.02	7.39	33.52
Gold	0.15	4.28	-3.19	1.41	-5.14
Industrial Gases	0.44	-2.39	-0.04	-1.83	18.84
Metal & Glass Containers	0.02	-1.46	2.88	-0.27	17.48
Paper Packaging	0.14	-2.23	1.36	-2.76	2.90
Specialty Chemicals	0.33	-5.07	-4.29	-7.19	0.29
Steel	0.13	2.34	-0.09	6.96	45.59
Real Estate	1.80	-1.00	0.57	2.38	12.28
Data Center REITs	0.25	2.75	-7.63	-0.59	27.32
Health Care REITs	0.36	2.15	12.72	8.24	30.80
Hotel & Resort REITs	0.02	1.23	-0.59	1.05	39.16
Industrial REITs	0.20	-3.29	-0.09	7.12	13.67
Multi-Family Residential REITs	0.00	-2.06	3.30	-0.46	5.43
Office REITs	0.02	-3.98	5.44	2.31	0.53
Other Specialized REITs	0.10	-0.07	-4.16	-1.16	18.95
Real Estate Service	0.07	-6.80	-1.15	-0.45	-32.24
Retail REITs	0.26	-1.39	3.94	2.17	19.52
Self-Storage REITs	0.13	-3.03	-1.78	-0.58	17.51
Single-Family Residential REITs	0.13	-3.03	-1.78	-0.58	17.51
Telecom Tower REITs	0.19	-3.68	-9.03	-0.14	-9.41
Timber REITs	0.02	-3.31	-3.27	-1.26	-0.21
Utilities	2.15	1.56	2.41	1.86	8.17
Electric Utilities	1.42	1.72	2.69	2.22	7.55
Gas Utilities	0.04	0.00	4.07	3.35	6.21
Independent Power Producers & Energy Traders	0.10	8.87	3.52	5.60	4.52
Water Utilities	0.04	0.06	6.17	2.15	3.00
Multi-Utilities	0.55	0.26	1.17	0.24	10.99

*Current Weight is market cap based, based on calculations by William Blair Intl. Ltd.

IMPORTANT DISCLOSURES

This report is available in electronic form to registered users via R*Docs™ at <https://williamblairlibrary.bluematrix.com> or www.williamblair.com.

Please contact us at +1 312 236 1600 or consult <https://www.williamblair.com/equity-research/coverage> for all disclosures.

Richard de Chazal attests that 1) all of the views expressed in this research report accurately reflect his/her personal views about any and all of the securities and companies covered by this report, and 2) no part of his/her compensation was, is, or will be related, directly or indirectly, to the specific recommendations or views expressed by him/her in this report. We seek to update our research as appropriate. Other than certain periodical industry reports, the majority of reports are published at irregular intervals as deemed appropriate by the research analyst.

DOW JONES: 51711.60

S&P 500: 7408.30

NASDAQ: 25137.70

Additional information is available upon request.

Current Rating Distribution (as of July 23, 2026):

Coverage Universe	Percent	Inv. Banking Relationships *	Percent
Outperform (Buy)	73	Outperform (Buy)	14
Market Perform (Hold)	26	Market Perform (Hold)	2
Underperform (Sell)	1	Underperform (Sell)	0

*Percentage of companies in each rating category that are investment banking clients, defined as companies for which William Blair has received compensation for investment banking services within the past 12 months.

The compensation of the research analyst is based on a variety of factors, including performance of his or her stock recommendations; contributions to all of the firm's departments, including asset management, corporate finance, institutional sales, and retail brokerage; firm profitability; and competitive factors.

OTHER IMPORTANT DISCLOSURES

Stock ratings and valuation methodologies: William Blair & Company, L.L.C. uses a three-point system to rate stocks. Individual ratings reflect the expected performance of the stock relative to the broader market (generally the S&P 500, unless otherwise indicated) over the next 12 months. The assessment of expected performance is a function of near-, intermediate-, and long-term company fundamentals, industry outlook, confidence in earnings estimates, valuation (and our valuation methodology), and other factors. Outperform (O) - stock expected to outperform the broader market over the next 12 months; Market Perform (M) - stock expected to perform approximately in line with the broader market over the next 12 months; Underperform (U) - stock expected to underperform the broader market over the next 12 months; not rated (NR) - the stock is not currently rated. The valuation methodologies include (but are not limited to) price-to-earnings multiple (P/E), relative P/E (compared with the relevant market), P/E-to-growth-rate (PEG) ratio, market capitalization/revenue multiple, enterprise value/EBITDA ratio, discounted cash flow, and others. Stock ratings and valuation methodologies should not be used or relied upon as investment advice. Past performance is not necessarily a guide to future performance.

The ratings and valuation methodologies reflect the opinion of the individual analyst and are subject to change at any time.

Our salespeople, traders, and other professionals may provide oral or written market commentary, short-term trade ideas, or trading strategies to our clients, prospective clients, and our trading desks that are contrary to opinions expressed in this research report. Certain outstanding research reports may contain discussions or investment opinions relating to securities, financial instruments and/or issuers that are no longer current. Investing in securities involves risks. This report does not contain all the material information necessary for an investment decision. Always refer to the most recent report on a company or issuer. Our asset management and trading desks may make investment decisions that are inconsistent with recommendations or views expressed in this report. We will from time to time have long or short positions in, act as principal in, and buy or sell the securities referred to in this report. Our research is disseminated primarily electronically, and in some instances in printed form. Research is simultaneously available to all clients. This research report is for our clients only. No part of this material may be copied or duplicated in any form by any means or redistributed without the prior written consent of William Blair & Company, L.L.C.

This is not in any sense an offer or solicitation for the purchase or sale of a security or financial instrument.

The factual statements herein have been taken from sources we believe to be reliable, but such statements are made without any representation as to accuracy or completeness or otherwise, except with respect to any disclosures relative to William Blair or its research analysts. Opinions expressed are our own unless otherwise stated and are subject to change without notice. Prices shown are approximate.

This report or any portion hereof may not be copied, reprinted, sold, or redistributed or disclosed by the recipient to any third party, by content scraping or extraction, automated processing, or any other form or means, without the prior written consent of William Blair. Any unauthorized use is prohibited.

If the recipient received this research report pursuant to terms of service for, or a contract with William Blair for, the provision of research services for a separate fee, and in connection with the delivery of such research services we may be deemed to be acting as an investment adviser, then such investment adviser status relates, if at all, only to the recipient with whom we have contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing). If such recipient uses these research services in connection with the sale or purchase of a security referred to herein, William Blair may act as principal for our own account or as riskless principal or agent for another party. William Blair is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

For important disclosures, please visit our website at williamblair.com.

This material is distributed in the United Kingdom and the European Economic Area (EEA) by William Blair International, Ltd., authorised and regulated by the Financial Conduct Authority (FCA). William Blair International, Limited is a limited liability company registered in England and Wales with company number 03619027. This material is only directed and issued to persons regarded as Professional investors or equivalent in their home jurisdiction, or persons falling within articles 19 (5), 38, 47, and 49 of the Financial Services and Markets Act of 2000 (Financial Promotion) Order 2005 (all such persons being referred to as "relevant persons"). This document must not be acted on or relied on by persons who are not "relevant persons."

This report is being furnished in Brazil on a confidential basis and is addressed to the addressee personally, and for its sole benefit. This does not constitute an offer or solicitation for the purchase or sale of a security by any means that would constitute a public offering in Brazil under the regulations of the Brazilian Securities and Exchange Commission (*Comissão de Valores Mobiliários*) or an unauthorized distribution under Brazilian laws and regulations. The securities are authorized for trading on non-Brazilian securities markets, and this report and all the information herein is intended solely for professional investors (as defined by the applicable Brazilian regulation) who may only acquire these securities through a non-Brazilian account, with settlement outside Brazil in a non-Brazilian currency.

"William Blair" and "R*Docs" are registered trademarks of William Blair & Company, L.L.C. Copyright 2026, William Blair & Company, L.L.C. All rights reserved.

William Blair & Company, L.L.C. licenses and applies the SASB Materiality Map® and SICSTM in our work.