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Risk Management 101

- **Key Takeaway:** Fed cut 25bps as expected with two more projected by year-end despite a hawkish pivot in their economic projections.
- Macro Implications: While Fed views remain divergent on the path, there is agreement in safeguarding against further labor market weakness.
- Housing Implications: Refi activity surged nearly 60% last week, but a further drop in mortgage rates is needed to generate more sales activity.

Macro: Putting in a Floor of Support

- Fed downgraded inflation tail risk as tariff pass-through has been slow, so far.
- Forward guidance doing the heavy lifting in supporting broader sentiment.
- Recent spike in initial claims dropped back in-line with prior steady trend.

Rates: Here We Go Again?

-0.6

-0.8

-1.0

- 10y yield rose ~8bps to 4.13%, mostly after solid jobless claims release.
- Yield curve bear steepened as higher inflation expectations lifted the back end.
- Market sees 80% odds of an additional two 25bps rate cuts this year.

Housing: Mortgage Rates Set for a Long "Pause" after Recent Plunge?

- Drawdown in mortgage rates nearing end unless Fed expectations change.
- Refi apps have jumped 70%+ since end of Aug; purchase apps up just 10%.
- Lower rates giving confidence to sellers as new listings pivot higher.

Fed Sees Less Inflationary Pressure and Greater Chance

Of Higher Unemployment Compared to June 1.0 Change in real GDP Unemployment rate Core PCE inflation 0.2 0.2 0.2 -0.2 -0.4

Home Construction: Started from the Top, Now We're Here

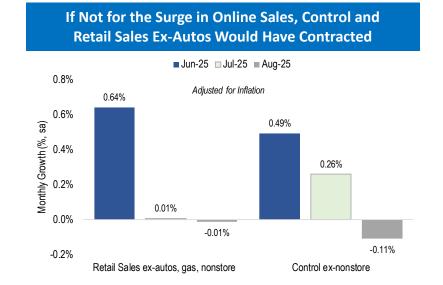
- Single-family starts fell -7% in Aug., marking a -18% YTD plunge.
- Permitting declined -2% m/m to slowest annualized pace since 2023.
- Builder sentiment still depressed, but future expectations rose.

Retail Sales: Online Sales Bonanza

- Real retail sales cooled to 0.2% in Aug., but Q3 shaping up better than Q2.
- Real control group sales would have declined if not for online sales.
- Consumers to remain selective, reallocating budgets as costs rise.

Industrial Production: Holding Firm, But Can It Last?

- Industrial output showing more resilience than expected.
- Manufacturing output led by durables components, namely transport.
- Survey based measures suggest activity will cool into year-end.



index greater than or '0' denotes upside risk in that

macro variable by policymakers

2012 2014 2015 2017

2018

2020

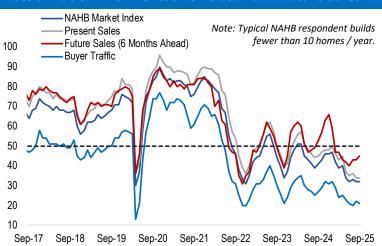
2022

2023

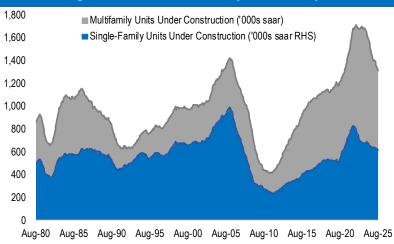
Last Week's Data in Charts

Residential Construction

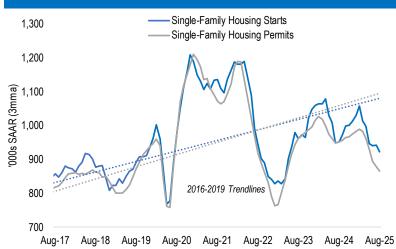
Builder Optimism Remained Low, but Early Signs of Stabilization with Tentative Rebound in Future Sales



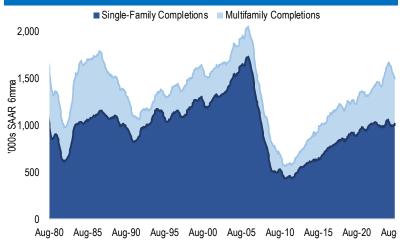
Single-Family Units in the Pipeline Trending Lower as Starts Activity Trails Completions



Brief Uptick in July Was Just a Blip as Downtrend in Starts and Permits Reaccelerated



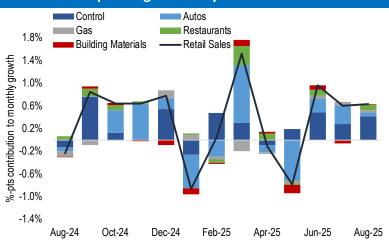
Completions Will Remain Builders' Focus in Near-Term until Home Sales Pace Improves



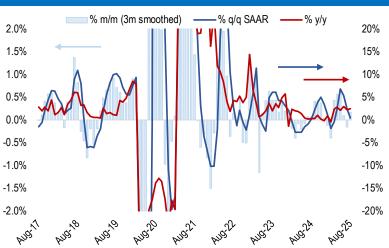


Retail Sales

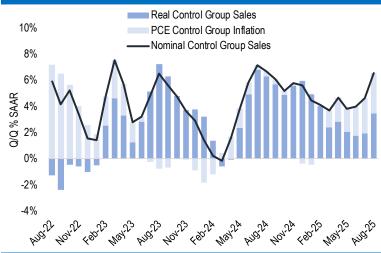
Nominal Retail Sales Held Firm in August with Bulk of Spending Driven by Online Sales



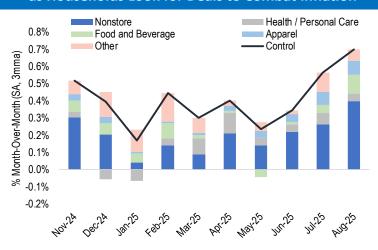
Real Restaurant Sales Retained Choppy Monthly Trend, but Lack of Sustained Drawdown Is Encouraging



Real (Inflation-Adjusted) Control Group Sales Rebounded to Multi-Month High



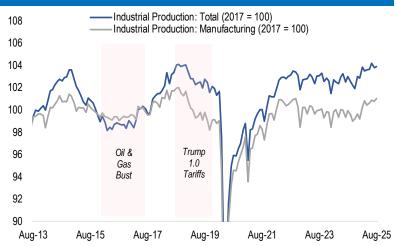
Control Group Increasingly Driven by Online Shopping as Households Look for Deals to Combat Inflation



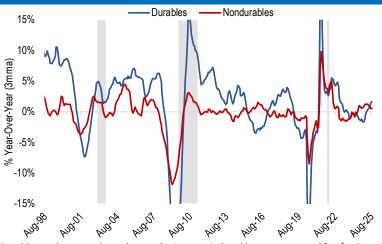


Industrial Production

Industrial Production Has Proven Resilient with Manufacturing Output Holding above Pre-Tariff Levels

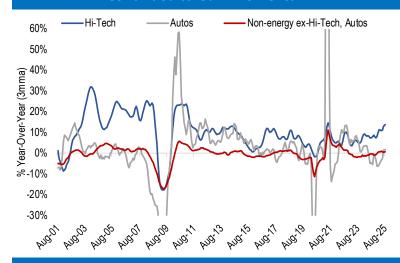


Durable Goods Production Still Strong, Carried by Robust Business Equipment Output

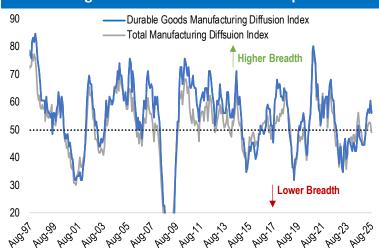


Durable goods are products that can be inventoried and have an average life of at least 3 years.

Production Related to Tech and Information Processing Continued to Gain Momentum



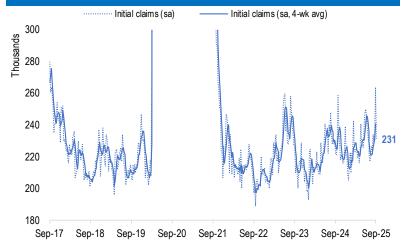
Durable Goods Breadth Held Firm with Notable Strength in Autos and Electrical Components



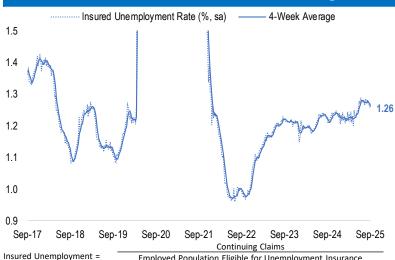


Jobless Claims

Initial Claims Dropped Back to 231k (sa) in Week Ending Sept. 13, Back In-Line with Pre-Texas Fraud Spike Level



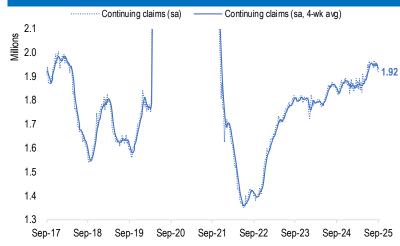
... Which Also Caused Insured Unemployment to Decline from Recent Post-Pandemic High



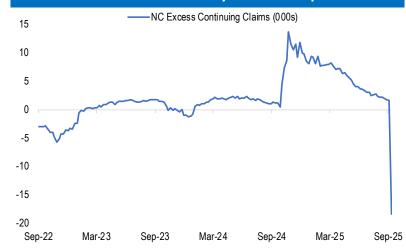
Employed Population Eligible for Unemployment Insurance

Sources: U.S. Department of Labor, Arch Global Economics

Continuing Claims Down ~20k to 1,920k (sa) during Week Ending Sept. 6, In Part Due to NC Data Error ...



North Carolina Continuing Claims Plunged by 20k, Confirmed to Be Data Error by NC State Dept. of Labor

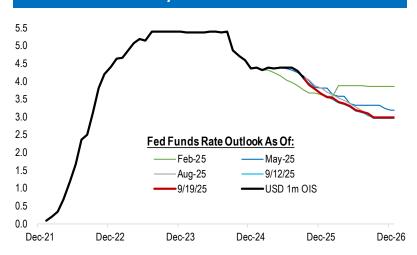




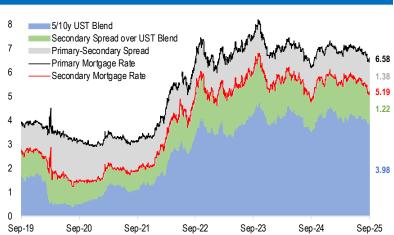
Last Week's Data in Charts

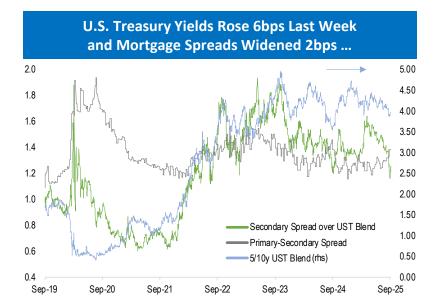
Interest Rates and Mortgage Market

Market Expects Another Two Rate Cuts by Year-End, Followed by Another 3 Cuts in 2026

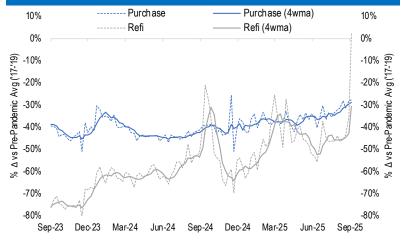


... Which Pushed Mortgage Rates Up for the First Weekly Increase in over a Month





Mortgage Refi Applications Spiked Nearly 60% w/w, First Time Back above Pre-Pandemic Level This Cycle



Secondary Spread: Current Coupon Option Adjusted Spread over 5/10y UST Blend Primary-Secondary Spread: Primary Mortgage Rate – Secondary Mortgage Rate



Modest Rebound in Pending Sales Has Faded as New Listings Started Rising Again ...



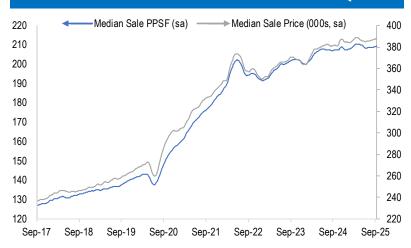
Pace of Seasonally Adjusted Home-Price Growth Rebounded Modestly through Mid-September



... Causing Pace of Improvement in Market Balance to Cool Even as Inventory Continued to Shrink



Home Prices Have Started to Inch Higher Again over the Summer after Modest Declines in Q2





Annual Home-Price Declines Becoming More Widespread as Most Markets Have Softened

Metro	Median Sale Price Per Square Foot (y/y)		Median List Price Per Square Foot (y/y)		Active Listings with Price Drops		Average Sale-to-List Ratio		Median Days on Market vs Pre-COVID		Total Active Listings	Months' Supply vs Pre-COVID	
	Current	(∆ q/q, ppt)	Current	(Δ q/q, ppt)	Current	(∆ y/y, ppt)	Current	(∆ y/y, ppt)	Current	Year Ago	(y/y)	Current	Year Ago
All Redfin Metros	1.1%	0.6%	3.0%	1.4%	6.5%	1.2%	98.5%	-0.4%	-3.3	-10.1	10%	8%	-3%
Atlanta	-3.1%	-2.0%	1.3%	2.0%	7.2%	1.9%	97.6%	-0.5%	23.5	8.0	9%	26%	10%
Austin	-2.4%	2.0%	1.9%	4.8%	8.2%	1.0%	96.8%	-0.5%	53.7	37.3	15%	112%	93%
Baltimore	1.6%	-0.5%	2.3%	-2.5%	6.9%	1.1%	100.2%	-0.6%	3.2	-8.5	20%	-11%	-28%
Boston	2.8%	0.1%	6.9%	3.4%	5.3%	0.8%	100.5%	-0.7%	5.2	2.9	17%	7%	-10%
Chicago	3.7%	-0.4%	5.6%	2.1%	4.6%	1.7%	99.7%	0.1%	-9.9	-10.0	-3%	-30%	-28%
Dallas	-2.4%	1.1%	0.7%	2.5%	8.4%	1.0%	97.4%	-0.3%	25.9	11.9	16%	68%	34%
Denver	-3.2%	-0.1%	-0.1%	1.8%	9.0%	0.7%	98.4%	-0.5%	27.6	11.0	14%	90%	74%
Houston	-1.3%	-0.4%	1.6%	1.7%	8.1%	2.2%	96.3%	-0.7%	18.0	5.7	14%	7%	-4%
Los Angeles	1.0%	-0.7%	2.2%	1.9%	4.7%	1.4%	99.4%	-0.9%	7.1	-3.5	13%	32%	17%
Miami	1.7%	-1.0%	0.9%	2.5%	4.1%	0.7%	95.7%	-0.4%	26.1	2.9	12%	-12%	-35%
Minneapolis	1.6%	0.6%	3.1%	1.4%	7.7%	2.0%	99.9%	0.1%	0.3	-0.8	1%	2%	7%
Nashville	0.3%	-1.1%	4.0%	2.2%	5.7%	1.6%	97.9%	-0.4%	13.6	4.3	15%	48%	26%
New York	5.4%	0.1%	6.5%	0.6%	3.6%	0.3%	100.3%	0.1%	-39.8	-44.5	9%	-20%	-31%
Phoenix	-1.9%	0.9%	0.7%	1.8%	6.6%	0.5%	97.9%	-0.4%	31.4	14.4	16%	68%	57%
Portland	-2.5%	-1.9%	1.2%	2.2%	8.1%	1.5%	99.1%	-0.1%	18.8	7.2	15%	49%	34%
Riverside	-0.6%	-0.4%	2.1%	0.1%	5.3%	1.2%	98.9%	-0.6%	9.8	-7.8	11%	25%	7%
San Diego	-3.7%	-1.9%	0.1%	1.1%	6.2%	1.6%	98.7%	-0.8%	13.3	1.4	15%	20%	5%
Seattle	-0.6%	-0.2%	4.4%	2.1%	7.2%	1.6%	99.0%	-1.0%	8.9	-1.1	20%	43%	13%
Tampa	-1.0%	1.0%	3.4%	4.1%	8.3%	0.2%	96.6%	-0.8%	21.9	3.1	2%	42%	33%
Washington DC	2.5%	1.5%	3.0%	0.3%	5.8%	3.6%	99.4%	-0.8%	25.4	11.9	9%	25%	4%

Data as of Sept. 14, 2025, and reflects 4-week averages.

Sources: Redfin, Arch Global Economics



Upcoming Data Releases

Key economic and housing data releases for the coming week:

Date	Time	Indicator	Period	Actual	Consensus	Revised	Prior	Note
9/23/25	9:45 AM	S&P Global US Manufacturing PMI	Sep P		51.7		53.0	index, sa
9/23/25	9:45 AM	S&P Global US Services PMI	Sep P		53.9		54.5	index, sa
9/23/25	9:45 AM	S&P Global US Composite PMI	Sep P				54.6	index, sa
9/24/25	7:00 AM	MBA Mortgage Applications w/w	Sep 19				29.7	%, sa
9/24/25	10:00 AM	New Home Sales	Aug		650		652	k, saar
9/24/25	10:00 AM	New Home Sales m/m	Aug		-0.3		-0.6	%, sa
9/25/25	8:30 AM	Wholesale Inventories m/m	Aug P		0.1		0.1	%, sa
9/25/25	8:30 AM	Retail Inventories m/m	Aug		0.2		0.2	%, sa
9/25/25	8:30 AM	GDP Annualized q/q	2Q T		3.3		3.3	%, saar
9/25/25	8:30 AM	Personal Consumption q/q	2Q T		1.6		1.6	%, saar
9/25/25	8:30 AM	Core PCE Deflator q/q	2Q T		2.5		2.5	%, saar
9/25/25	8:30 AM	Durable Goods Orders m/m	Aug P		-0.3		-2.8	%, sa
9/25/25	8:30 AM	Cap Goods Orders Nondef Ex Air m/m	Aug P		-0.1		1.1	%, sa
9/25/25	8:30 AM	Cap Goods Ship Nondef Ex Air m/m	Aug P		0.2		0.7	%, sa
9/25/25	8:30 AM	Initial Jobless Claims	Sep 20		235		231	k, sa
9/25/25	8:30 AM	Continuing Claims	Sep 13		1,938		1,920	k, sa
9/25/25	10:00 AM	Existing Home Sales	Aug		4.0		4.0	m, saar
9/25/25	10:00 AM	Existing Home Sales m/m	Aug		-1.3		2.0	%, sa
9/26/25	8:30 AM	Personal Income m/m	Aug		0.3		0.4	%, sa
9/26/25	8:30 AM	Personal Spending m/m	Aug		0.5		0.5	%, sa
9/26/25	8:30 AM	Real Personal Spending m/m	Aug		0.2		0.3	%, sa
9/26/25	8:30 AM	PCE Inflation m/m	Aug		0.3		0.2	%, sa
9/26/25	8:30 AM	PCE Inflation y/y	Aug		2.7		2.6	%, nsa
9/26/25	8:30 AM	PCE Core Inflation (ex Food and Energy) m/m	Aug		0.2		0.3	%, sa
9/26/25	8:30 AM	PCE Core Inflation (ex Food and Energy) y/y	Aug		2.9		2.9	%, nsa
9/26/25	10:00 AM	U. of Mich. Sentiment	Sep F		55.4		55.4	index, ns a
9/26/25	10:00 AM	U. of Mich. 1 Yr Inflation	Sep F				4.8	nsa
9/26/25	10:00 AM	U. of Mich. 5-10 Yr Inflation	Sep F				3.9	nsa



Recent Data Releases

Key economic and housing data releases over the prior week:

8:30 AM			Actual	Consensus	Revised	Prior	Note
	Empire Manufacturing	Sep	-8.7	5.0		11.9	index, sa
8:30 AM	Advance Retail Sales m/m	Aug	0.6	0.2	0.6	0.5	%, sa
8:30 AM	Retail Sales Control Group m/m	Aug	0.7	0.4		0.5	%, sa
8:30 AM	Import Price Index m/m	Aug	0.3	-0.2	0.2	0.4	%, nsa
8:30 AM	Import Price Index y/y	Aug	0.0	0.0	-0.6	-0.2	%, nsa
9:15 AM	Industrial Production m/m	Aug	0.1	-0.1	-0.4	-0.1	%, sa
9:15 AM	Capacity Utilization	Aug	77.4	77.4	77.4	77.5	sa
MA 00:0	Business Inventories m/m	Jul	0.2	0.2		0.2	%, sa
MA 00:01	NAHB Housing Market Index	Sep	32	33		32	index, sa
7:00 AM	MBA Mortgage Applications w/w	Sep 12	29.7			9.2	%, sa
8:30 AM	Housing Starts	Aug	1,307	1,365	1,429	1,428	k, saar
8:30 AM	Housing Starts m/m	Aug	-8.5	-4.4	3.4	5.2	%, sa
8:30 AM	Building Permits	Aug P	1,312	1,370		1,362	k, saar
8:30 AM	Building Permits m/m	Aug P	-3.7	0.6		-2.2	%, sa
2:00 PM	FOMC Rate Decision (Upper Bound)	Sep 17	4	4		5	%
8:30 AM	Initial Jobless Claims	Sep 13	231	240	264	263	k, sa
8:30 AM	Continuing Claims	Sep 6	1,920	1,950	1,927	1,939	k, sa
8:30 AM	Philadelphia Fed Business Outlook	Sep	23.2	1.7		-0.3	index, sa
.0:00 AM	Conference Board Leading Index m/m	Aug	-0.5	-0.2	0.1	-0.1	%, sa
	3:30 AM 3:30 AM 3:30 AM 3:15 AM 3:15 AM 0:00 AM 0:00 AM 7:00 AM 3:30 AM 3:30 AM 3:30 AM 3:30 AM 3:30 AM 3:30 AM 3:30 AM	8:30 AM Retail Sales Control Group m/m 8:30 AM Import Price Index m/m 8:30 AM Import Price Index y/y 9:15 AM Industrial Production m/m 9:15 AM Capacity Utilization 0:00 AM Business Inventories m/m 0:00 AM NAHB Housing Market Index 7:00 AM MBA Mortgage Applications w/w 8:30 AM Housing Starts 8:30 AM Housing Starts m/m 8:30 AM Building Permits 8:30 AM Building Permits m/m 2:00 PM FOMC Rate Decision (Upper Bound) 8:30 AM Initial Jobless Claims 8:30 AM Continuing Claims	3:30 AM Retail Sales Control Group m/m Aug 3:30 AM Import Price Index m/m Aug 3:30 AM Import Price Index y/y Aug 3:15 AM Industrial Production m/m Aug 3:15 AM Capacity Utilization Aug 0:00 AM Business Inventories m/m Jul 0:00 AM NAHB Housing Market Index Sep 7:00 AM MBA Mortgage Applications w/w Sep 12 3:30 AM Housing Starts Aug 3:30 AM Housing Starts Aug 3:30 AM Building Permits Aug P 3:30 AM Building 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Green = upside surprise; Red = downside surprise; (compared vs. prior if no consensus estimates available)