

Briefing Global Economic & Credit Market Week 50 Ending – December 15, 2023

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Economic Calendar

- Monday, December 18: Home Builders Confidence
- Wednesday, December 20: Existing Home Sales
- o Thursday, December 21: Initial Jobless Claims
- o Friday, December 22: New Home Sales

Key Market Metrics

- S&P 500: +2.33% WoW; +22.54% YTD; +20.94% YoY; 13.4x LTM EBITDA; 12.9x NTM EBITDA
- Dow Jones: +2.93% WoW; +12.36% YTD; +12.37% YoY; 10.6x LTM EBITDA; 12.9x
 NTM EBITDA
- Nasdaq: +2.85% WoW; +41.11% YTD; +37.03% YoY
- Ten Year US Treasury Yield: 3.96% (32) bps YTD; +17 bps YoY
- O Currency:
 - British Pound per USD: \$1.27; 1.0% WoW; 4.9% YTD; 4.0% YoY
 - Euro per USD: \$1.09; 1.2% WoW; 1.7% YTD; 2.5% YoY
 - USD per Yen: ¥142.26; (1.9%)WoW; 8.5% YTD; 3.3% YoY
 - Swiss franc per EUR: 1.05 CHF; (0.2%)WoW; 4.3% YTD; 4.0% YoY

U.S. News

Federal Funds Target Rate

- Federal Reserve officials left interest rates unchanged at a target rate of 5.25 to 5.5 percent in their final policy decision of 2023 on Wednesday
- The Federal Reserve also forecast that they will cut borrowing costs three times in the coming year, a sign that the central bank is shifting toward the next phase in its fight against rapid inflation
 - The interest rate target has now remained unchanged since July



- The annual rate of inflation slowed to 3.1% in November from 3.2% in the prior month, matching the lowest level since early 2021
- Core inflation, which has been has remained at 4% for the past several months, was unchanged at 4%, which is still twice as high as the Federal reserve's 2% goal
- U.S. consumer price index
 Veter one verse percent change as oft November 2023

 All bares Less food and energy

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- The cost of gasoline dropped 6% last month and held down the headline CPI reading

Retail Sales

- Sales at U.S. retailers rose 0.3% in November in a good start to the holiday shopping season suggesting the economy might not be cooling off all that much
- Sales particularly surged at internet retailers such as Amazon, as well as stores that sell books, music and other hobby item
- Americans also spent more on clothes, furniture, health-care items and new cars



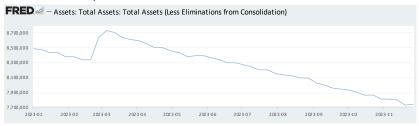
Jobless Claims

- Initial jobless claims, a measure of how many workers were laid off across the U.S.,
 decreased to 202,000 in the week ended December 8, down 19,000 from the prior week
- The four-week moving average was 213,250, down 7,750 from the prior week
- Continuing claims those filed by workers unemployed for longer than a week –
 increased by 20,000 to 1.876 million in the week ended December 1. This figure is
 reported with a one-week lag



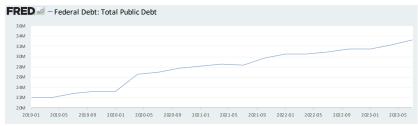
Fed's Balance Sheet

- The Federal Reserve's assets totaled \$7.740 trillion in the week ended December 15, up \$2.2 billion from the prior week
- Treasury holdings totaled \$4.810 trillion, down \$3.1 billion from the prior week
- Holdings of mortgage-backed securities (MBS) were \$2.45 trillion in the week, down \$7.2 billion from the prior week



Total Public Debt

- Total public debt outstanding was \$33.83 trillion as of December 15, an increase of 8.0% from the previous year
- Debt held by the public was \$26.58 trillion, and intragovernmental holdings were \$7.03 trillion





Inflation Factors

- o CPI:
 - The consumer-price index rose 3.1% in November year over year
 - On a monthly basis, the CPI increased 0.1% in November on a seasonally adjusted basis, after increasing 0.0% in October
 - The index for all items less food and energy (core CPI) rose 0.3% in November, after rising 0.2% in October
 - Core CPI increased 4.0% for the 12 months ending November
- o Food & Beverages:
 - The food at home index increased 1.7% in November from the same month a year earlier, and increased 0.1% in November month over month
 - The food away from home index increased 5.3% in November from the same month a year earlier, and increased 0.4% in November month over month
- o Commodities:
 - The energy commodities index decreased (5.8%) in November after decreasing
 - The energy commodities index fell (9.8%) over the last 12 months
 - The energy services index 0.7% in November after decreasing (1.0%) in October
 - The energy services index fell (0.1%) over the last 12 months
 - The gasoline index fell (8.9%) over the last 12 months
 - The fuel oil index fell (24.8%) over the last 12 months
 - The index for electricity rose 3.4% over the last 12 months
 - The index for natural gas fell (10.4%) over the last 12 months
- Supply Chain:
 - Drewry's composite World Container Index increased to \$1,521.06 per 40ft
 - Drewry's composite World Container Index has decreased by (28.5%) over the last 12 months
- O Housing Market:
 - The shelter index increased 0.4% in November after increasing 0.3% in October
 - The rent index increased 0.5% in November after increasing 0.3% in October
 - The index for lodging away from home decreased (4.5%) in November after decreasing (6.1%) in October

Federal Funds Rate

The effective Federal Funds Rate is at 5.33%, up 1.00% year to date



World News

Israel/Middle East

- Residents of the Gaza Strip are facing starvation for the first time in recent history, according to United Nations agencies, as aid deliveries fall short of soaring needs in the enclave, where the food-supply system has collapsed
- Israeli officials said they are ready to double the daily number of aid trucks they process for entry into Gaza, provided international organizations can distribute the increased aid
- The overwhelming majority of Gaza's 2.2 million people don't have enough food, with residents often skipping meals and sometimes going several days without any, according to the World Food Program, a U.N. agency. The U.N. said it is assessing whether Gaza already meets the formal definition of famine, meaning two out of every 10,000 inhabitants die from hunger a day and around one in three children is acutely malnourished

Ukraine

- The European Union on Thursday agreed to start membership talks with Ukraine in a major political victory for Zelensky, but the negotiations will take years and it is unclear when they will start. The bloc failed to agree on a long-term package of budget support for the country
- In the U.S., a \$110 billion aid package failed to pass Congress last week, while Hungary on Thursday blocked an EU package for Ukraine worth more than \$50 billion. Ukrainian forces, which are heavily dependent on Western arms, are now running low on ammunition

China

- Consumer prices in China fell for the second straight month, a deepening bout of deflation that shows Beijing's efforts to reignite faltering growth are falling short
- China's top leaders telegraphed Friday that more support is coming for the economy, with pledges of new fiscal stimulus and supportive central-bank policy in the months ahead
- Still, the Communist Party signaled that stimulus will be measured rather than aggressive, reinforcing expectations for steady if unspectacular growth in 2024 as the economy grapples with a drawn-out property bust and a global backdrop darkened by war and slowdowns in the U.S. and Europe

Russia

- Russian President Vladimir Putin vowed to press on with his war in Ukraine during an end-of-year audience in which he showed no sign of seeking a swift conclusion to the devastating conflict, saying there would only be peace once Russia had achieved its goals
- For the first time since launching the war, Putin fielded questions from the international media and ordinary Russians for more than four hours on Thursday, in a stage-managed event that cast the president as listening to his people, spotlighted Moscow's invasion of Ukraine and sought to present Russia as resilient to the impacts of the conflict



Commodities

Oil Prices

- o WTI: \$71.66 per barrel
 - +0.60% WoW; (9.93%) YTD; (5.85%) YoY
- o Brent: \$76.79 per barrel
 - +1.25% WoW; (8.50%) YTD; (5.44%) YoY



US Production

 U.S. oil production amounted to 13.1 million bpd for the week ended December 8, down 0.1 million bpd from the prior week

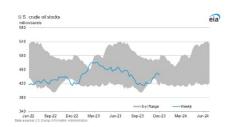
Rig Count

o The total number of oil rigs amounted to 623, down 3 from last week

Inventories

o Crude Oil

- Total U.S. crude oil inventories now amount to 440.8 million barrels, up 3.9% YoY
- Refiners operated at a capacity utilization rate of 90.2% for the week, down from 90.5% in the prior week
- U.S. crude oil imports now amount to 7.508 million barrels per day, down (5.1%) YoY



FRED US Regular All Forumlations Gas Price / Gallon

Gasoline

- Retail average regular gasoline prices amounted to \$3.09 per gallon in the week of December 15, down (2.9%) YoY
 - Gasoline prices on the East Coast amounted to \$3.23, down (2.8%) YoY
 - Gasoline prices in the Midwest amounted to \$2.98, down (4.2%) YoY
 - Gasoline prices on the Gulf Coast amounted to \$2.71, down (3.6%) YoY
 - Gasoline prices in the Rocky Mountain region amounted to \$3.01, down (9.9%) YoY
 - Gasoline prices on the West Coast amounted to \$4.27, up 0.3% YoY
- Motor gasoline inventories were up by 0.4 million barrels from the prior week
- Motor gasoline inventories amounted to 224.0 million barrels, up 0.2% YoY
- Production of motor gasoline averaged 9.54 million bpd, up 3.8% YoY
- Demand for motor gasoline amounted to 8.859 million bpd, up 7.3% YoY

Distillates

- Distillate inventories decreased by 1.5 million in the week of December 15
- Total distillate inventories amounted to 113.5 million barrels, down (5.5%)
- Distillate production averaged 4.987 million bpd, down (3.5%) YoY
- Demand for distillates averaged 3.770 million bpd in the week, up 0.1% YoY

Natural Gas

- Natural gas inventories decreased by 55 billion cubic feet last week
- Total natural gas inventories now amount to 3,664 billion cubic feet, up 7.4% YoY





Geopolitical Hotspots

India

An Indian man accused by U.S. authorities of attempting to kill an American Sikh activist has petitioned India's Supreme Court, saying he is a victim of mistaken identity and caught in the middle of political tensions between the U.S. and India

Germany

 German authorities detained four alleged members of Hamas suspected of planning to attack Jewish institutions in the region—the first suggestion that the Gaza conflict might be spilling over beyond the Middle East

Japan

 Japan said it had asked the U.S. to suspend all non-emergency V-22 Osprey flights over its territory after one fell into the sea in western Japan. One crew member is confirmed dead with seven missing

Indonesia

 Indonesia's Mount Marapi volcano erupted on Sunday killing at least 11 climbers, according to the Associated Press. The volcano spewed ash nearly two miles high

Spain

Amazon reached an agreement with most of its workers in Spain, averting the full impact
of a strike that risked crippling its warehouses on one of the busiest days of the year

Italy

 Pope Francis is punishing one of his most vocal conservative critics in the Catholic hierarchy, U.S. Cardinal Raymond Burke, by taking away his stipend and rent-free apartment in Rome

Argentina

Argentina's newly elected President, Javier Milei, wants to adopt the U.S. dollar as the national currency and strip the central bank's power to print money. The country has been overcome with record inflation and low economic growth

Credit News

High yield bond yields decreased 42bps to 7.82% and spreads tightened 20bps to 375bps. Leveraged loan yields decreased 33bps to 9.25% and spreads decreased 14bps to 541bps. WTD Leveraged loan returns were positive 53bps. WTD high yield bond returns were positive 166bps. Bonds outperformed loans in a market with rapidly falling treasury yields. Benchmark 10yr treasury yields fell 33bps over the last week. Treasury yields reacted to a new set of FED "dots" projections that showed ~80bps of average rate cuts in 2024. The rates market is now pricing a first rate cut in March 2024.

High-yield:

Week ended 12/15/2023

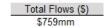
Yields & Spreads1

Current Week		Prior Week		Δ (bps)		
	Yield	Spread	Yield	Spread	Yield	Spread
	7.82%	375	8.24%	395	(42)	(20)

Pricing & Returns1

Pricing			Returns				
Current Week	Prior Week	Δ (bps)	WTD	MTD	YTD	2022	
\$91.69	\$90.29	140	1.66%	2.24%	12.44%	-10.55%	

Fund Flows²



New Issue²

Wee	k	YTD				
# New Deals Total (\$)		Total (\$) Prior Year YTD CY vs P				
9	\$5.2bn	\$177.5bn	\$106.5bn	+67%		

Distressed Level (trading in excess of 1,000 bps)²

	•	_
11/30/23	10/31/23	9/30/23
7.80%	8.70%	7.10%

Total HY Defaults

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11/30/23	10/31/23	9/30/23
2.08%	1.76%	1.32%

¹ Source: Credit Suisse High Yield and Leveraged Loan Index

² Source: JP Morgan



Leveraged loans:

Week ended 12/15/2023

Yields & Spreads¹

Current Week		Prior Week			Δ (bps)	
Yield	Spread	Yield	Spread	Yield	Spread	
9.25%	541	9.58%	555	(33)	(14)	

Leveraged Loan Index¹

	Returns					
Current Week	Prior Week	Δ (bps)	WTD	MTD	YTD	2022
\$94.97	\$94.64	33	0.53%	0.82%	12.19%	-1.06%

Fund Flows²

Total Flows (\$) \$83mm

New Issue²

Wee	ek	YTD			
# New Deals	Total (\$)	Total (\$)	Prior Year YTD	CY vs PY	
28	\$23.3bn	\$360.4bn	\$251.9bn	+43%	

Distressed Level (loan price below \$80)¹

11/30/23	10/31/23	9/30/23
7.80%	7.20%	6.20%

Total Loan Defaults

11/30/23	10/31/23	9/30/23	
2.01%	2.01%	1.90%	

Default activity:

Most recent defaults include: Ligado Networks (\$4.2bn, 11/1/23), Air Methods (\$1.7bn, 10/24/23), WeWork (\$1.6bn, 10/15/23), Rite Aid (\$3.0bn 10/16/23), Mallinckrodt (\$2.8bn 8/28/23), Yellow Corp (\$485mm 8/8/23), Anchor Glass (\$675mm 7/11/23), Instant Brands (\$391mm 6/12/23), Cyxtera Technologies (\$768mm 6/4/23), Diebold (\$2.0bn 6/1/23), Envision Health (\$7.7bn 5/14/23), Venator Materials (\$1.1bn 5/12/23), Bed Bath & Beyond (\$5.2bn 4/22/23), David's Bridal (\$254mn 4/17/23), Monitronics International (\$794mm 4/15/23), Catalina (\$222mn 3/29/23), Diamond Sports (\$8.6bn, 2/15/23), Avaya (\$2.9bn, 2/14/23), Heritage Power (\$485mn, 1/24/23), Serta Simmons Bedding(\$1.9bn, 1/23/23), Party City Holdings (\$1.0bn, 01/17/23), Exela Intermediate (\$1.4bn, 1/15/23)

CLOs:

Week ended 12/15/2023

New U.S. CLO Issuance²

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Week of	# Priced Total (\$		New Issue	Refis/Resets			
12/15/2023	2	\$0.9bn	\$0.0bn	\$0.0bn			

New U.S. CLO YTD Issuance²

Total U.S. CLOs	Total (\$)	New Issue	Refis/Resets	Prior Year YTD	CY vs. PY
260	\$112.9bn	\$109.8bn	\$3.1bn	\$128.2bn	-12%

Note: High-yield and leveraged loan yields and spreads are swap-adjusted

¹ Source: Credit Suisse High Yield and Leveraged Loan Index

² Source: JP Morgan

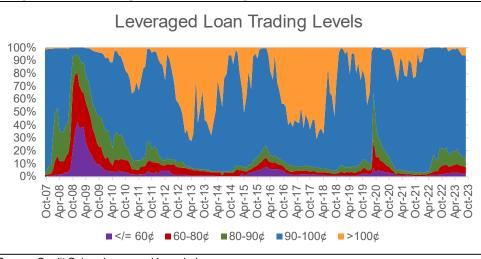
Ratings activity:

S&P and Moody's High Yield Ratings

	Downgrades	S&P Upgrades	Ratio	Downgrades	Moody's Upgrades	Ratio
Full Year 2022	404	314	1.3x	375	312	1.2x
Week Ending 01/06/23	8	2	4.0x	0	0	n/a
Week Ending 01/13/23	12	4	3.0x	12	1	12.0x
Week Ending 01/20/23	8	5	1.6x	8	3	2.7x
Week Ending 01/27/23	2	0	n/a	5	0	n/a
Week Ending 02/03/23	11	13	0.8x	15	22	0.7x
Week Ending 02/10/23	5	6	0.8x	2	1	2.0x
Week Ending 02/17/23	12	7	1.7x	8	1	8.0x
Week Ending 02/24/23	15	7	2.1x	8	10	0.8x
Week Ending 03/03/23	4	8	0.5x	11	17	0.6x
Week Ending 03/10/23	8	10	0.8x	26	5	5.2x
Week Ending 03/17/23	41	9	4.6x	11	8	1.4x
Week Ending 03/24/23	16	4	4.0x	13	4	3.3x
Week Ending 03/31/23	7	4	1.8x	8	6	1.3x
Week Ending 04/06/23	7	5	1.4x	6	1	6.0x
Veek Ending 04/14/23	13	12	1.1x	7	5	1.4x
Veek Ending 04/21/23	8	8	1.0x	11	5	2.2x
Veek Ending 04/28/23	18	4	4.5x	15	4	3.8x
Veek Ending 05/05/23	6	4	1.5x	14	7	2.0x
Veek Ending 05/12/23	10	5	2.0x	11	5	2.2x
Veek Ending 05/19/23	18	5	3.6x	9	2	4.5x
Veek Ending 05/26/23	6	2	3.0x	6	1	6.0x
Veek Ending 06/02/23	16	8	2.0x	16	5	3.2x
Veek Ending 06/09/23	14	7	2.0x	6	2	3.0x
Veek Ending 06/16/23	5	3	1.7x	17	5	3.4x
Veek Ending 06/23/23	10	4	2.5x	11	4	2.8x
				7		
Neek Ending 06/30/23	17	6	2.8x		11	0.6x
Veek Ending 07/07/23	10	6	1.7x	5	3	1.7x
Week Ending 07/14/23	4	2	2.0x	5	13	0.4x
Week Ending 07/21/23	11	2	5.5x	10	9	1.1x
Week Ending 07/28/23	12	2	6.0x	14	5	2.8x
Week Ending 08/04/23	4	8	0.5x	1	4	0.3x
Week Ending 08/11/23	13	10	1.3x	6	8	0.8x
Week Ending 08/18/23	22	4	5.5x	7	3	2.3x
Week Ending 08/25/23	13	9	1.4x	11	6	1.8x
Veek Ending 09/01/23	23	14	1.6x	7	4	1.8x
Veek Ending 09/08/23	5	4	1.3x	4	5	0.8x
Veek Ending 09/15/23	10	4	2.5x	12	8	1.5x
Veek Ending 09/22/23	12	12	1.0x	15	6	2.5x
Veek Ending 09/29/23	7	10	0.7x	10	5	2.0x
Veek Ending 10/06/23	8	9	0.9x	9	14	0.6x
Week Ending 10/13/23	2	4	0.5x	0	1	0.0x
Week Ending 10/20/23	7	4	1.8x	5	4	1.3x
Veek Ending 10/27/23	6	2	3.0x	7	7	1.0x
Veek Ending 11/03/23	9	5	1.8x	14	7	2.0x
Veek Ending 11/10/23	7	5	1.4x	6	4	1.5x
Veek Ending 11/17/23	10	7	1.4x	16	7	2.3x
Week Ending 11/24/23	11	8	1.4x	6	8	0.8x
Week Ending 12/01/23	2	4	0.5x	1	4	0.3x
Week Ending 12/08/23	11	5	2.2x	20	5	4.0x
Week Ending 12/15/23	14	4	3.5x	20	6	3.3x
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Appendix:

Diagram A: Leveraged Loan Trading Levels



Source: Credit Suisse Leveraged Loan Index

Diagram B: High Yield and Leveraged Loan LTM Price

High Yield and Leveraged Loan Data [1]									
		LT	M Price						
	Avg. Price	High [2]	Low [3]	LTM High vs. Low Δ					
High Yield	87.6	91.7	85.2	6.5					
Leveraged Loans	93.6	95.2	91.9	3.3					

^[1] Data is from Credit Suisse High Yield Market Index and Credit Suisse Leveraged Loan Index

Diagram C: Leveraged Loan and High Yield Returns

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Leveraged Loan and High Yield Returns										
	Leveraged L	Leveraged Loan Indices High Yield Indices								
	Credit Suisse [1]	S&P/LSTA [2]	Credit Suisse [1]	S&P [2]						
Weekly Return	0.53%	0.44%	1.66%	1.87%						
MTD Return	0.82%	0.77%	2.24%	2.32%						
YTD Return	12.19%	12.19%	12.44%	10.30%						

^[1] Credit Suisse Total Return information is calculated weekly. Yield data is as of 12/15/2023

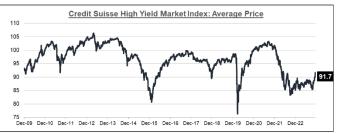
^[2] HY high price as of 12/14/23. LL high price as of 9/19/23

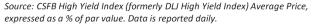
^[3] HY low price as of 12/29/22. LL low price as of 12/30/22

^[2] Yield data as of 12/15/2023

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Diagram D: Average Bid Price of High Yield Bonds & Loans







Source: CSFB Leveraged Loan Index Average Price, expressed as a % of par value. Data is reported daily.

Diagram E: Leveraged Loans Spreads & Yields

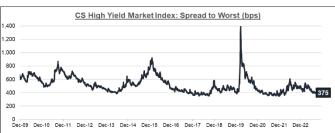


Source: CSFB Leveraged Loan Index Discount Margin to 3Y take-out, expressed in basis points. Data is reported daily.



Source: CSFB Leveraged Loan Index Yield to 3Y take-out, expressed as a percentage. Data is reported daily.

Diagram F: High Yield Bonds Spreads & Yields

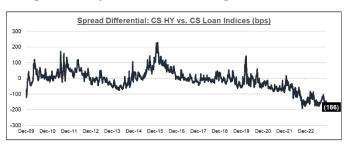


Source: CSFB High Yield Index (formerly DLJ High Yield Index) Spread-to-Worst, expressed in basis points. Data is reported daily.



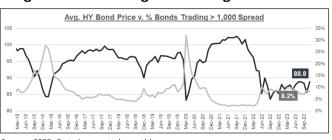
Source: CSFB High Yield Index (formerly DL) High Yield Index) Yield-to-Worst, expressed as a percentage. Data is reported daily.

Diagram G: Spread between High Yield Bonds and Leveraged Loans



Source: CSFB HY Index and CSFB LL Index. Data is reported daily.

Diagram H: Percentage of Leveraged Loan and High Yield Market Trading at Distressed Levels

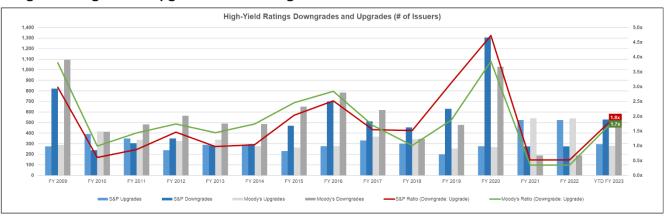


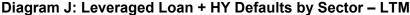


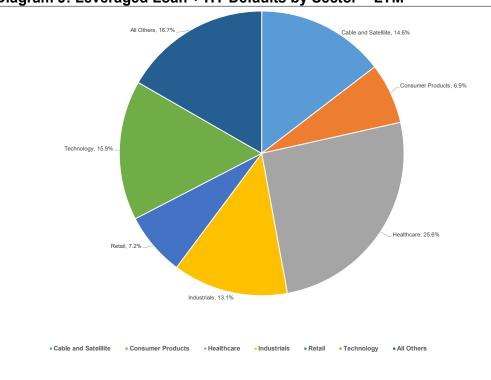
Source: CSFB. Data is reported monthly.

Source: JPM. Data is reported monthly.

Diagram I: High Yield Upgrades and Downgrades







Source: JP Morgan Default Monitor.



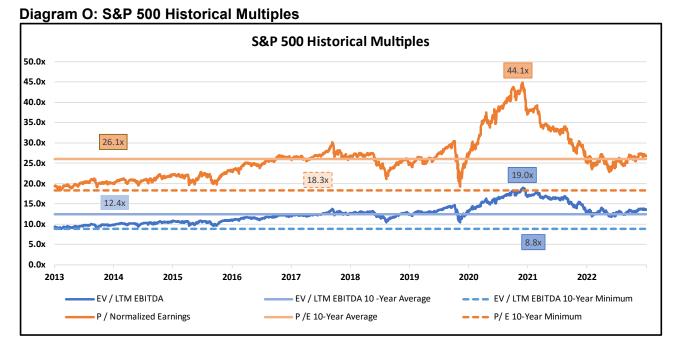
Diagram L: CLO Economics

CLO Economics										
AAA Coupons	AAA DMs	WAC Liabilities	DM Liabilities	Leverage	Asset WAS	All In WAS [1]	IRR est.	Cash on Cash est.		
L+135-150	L+135-150	L+200-240	L+220-280	9-11x	L+300-360	L+330-390	9-12%	10-14%		

^{*}Assumptions: 2% Default / 65% Recovery / 4 year Reinvestment Period

Diagram N: Developed Country GovBond Yields (%)

					Change					
Ву	11/24/23	12/1/23	12/8/23	12/15/23	Weekly	Q4 2022	Q3 2022	Q2 2022	Q1 2022	
France - 10 year	3.20%	2.93%	2.83%	2.55%	(28 bps)	40 bps	80 bps	94 bps	78 bps	
Germany - 10 year	2.64%	2.36%	2.28%	2.02%	(26 bps)	46 bps	77 bps	79 bps	73 bps	
Italy - 10 year	4.40%	4.10%	4.07%	3.72%	(35 bps)	20 bps	126 bps	123 bps	87 bps	
Japan - 10 year	0.78%	0.70%	0.77%	0.70%	(7 bps)	18 bps	1 bps	1 bps	15 bps	
UK - 10 year	4.28%	4.14%	4.04%	3.69%	(35 bps)	(87 bps)	211 bps	75 bps	72 bps	
US										
US - 2 year	4.95%	4.54%	4.72%	4.44%	(28 bps)	15 bps	133 bps	62 bps	160 bps	
US - 5 year	4.49%	4.12%	4.24%	3.91%	(33 bps)	(9 bps)	105 bps	58 bps	120 bps	
US - 10 year	4.47%	4.20%	4.23%	3.91%	(31 bps)	5 bps	82 bps	67 bps	83 bps	
US - 30 year	4.60%	4.39%	4.30%	4.01%	(29 bps)	19 bps	59 bps	74 bps	54 bps	
Source: Bloomberg								,		

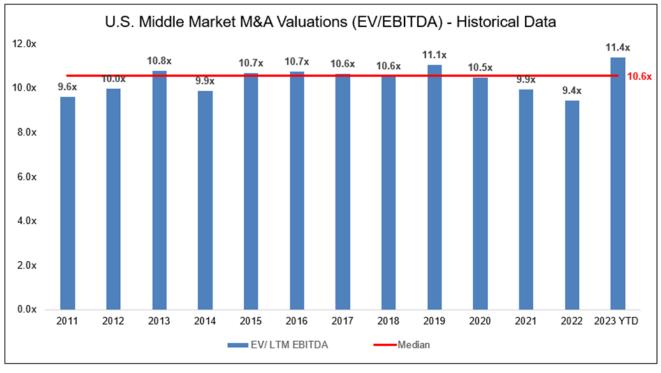


Source: S&P Capital IQ

^[1] Spread includes OID benefit based on 4 year repayment



Diagram P: U.S. Middle-Market M&A Valuations (EV/EBITDA)



Source: Pitchbook

Diagram Q: U.S. Large Cap M&A Valuations (EV/EBITDA

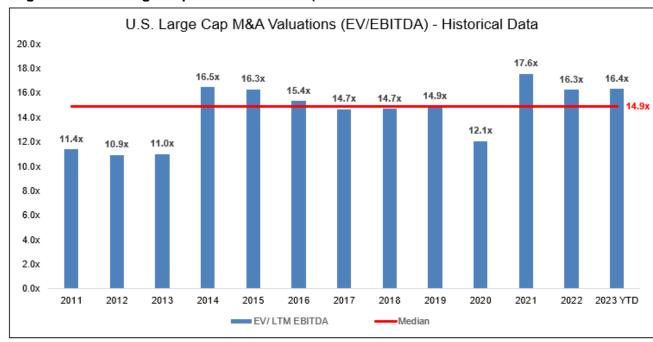
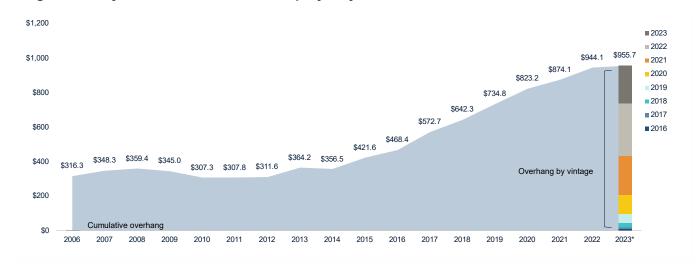
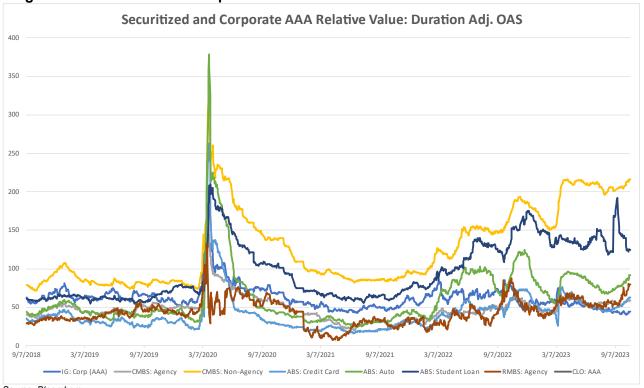


Diagram R: Dry Powder for All Private Equity Buyouts



Source: Pitchbook

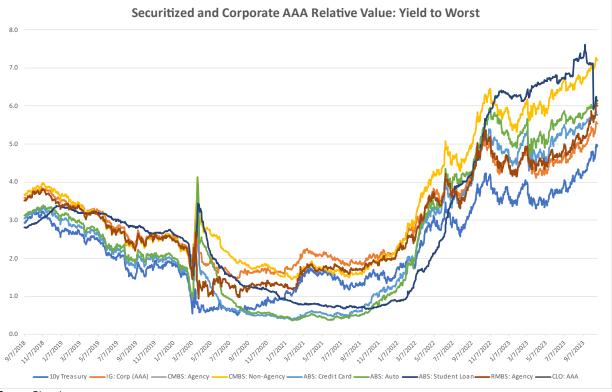
Diagram S: Structured Credit Spreads



Source: Bloomberg

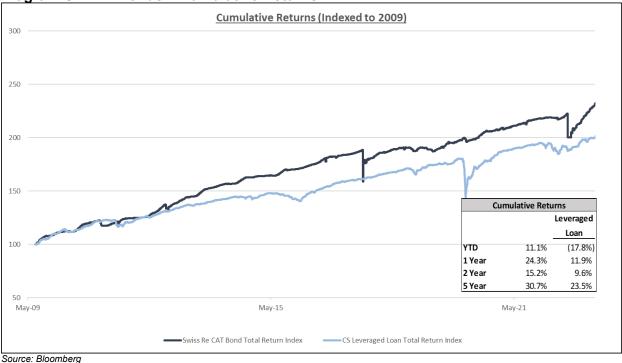
ZCG





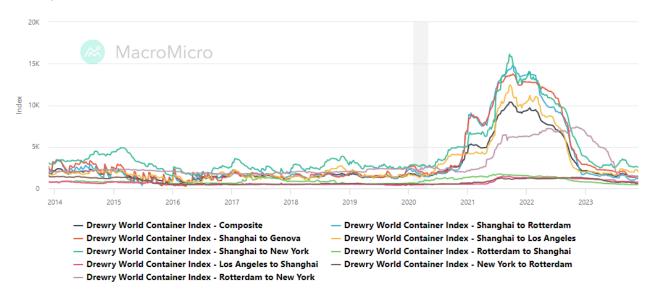
Source: Bloomberg



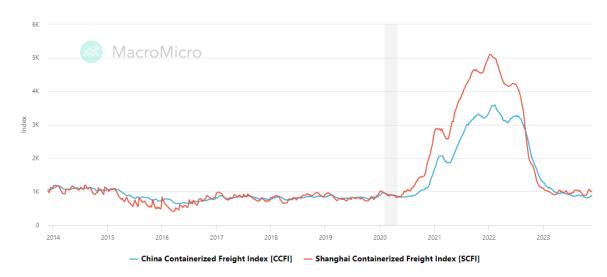


Freight Rates

Drewry World Container Index



China-Global & Shanghai Export Container Freight Index





About Z Capital Group, L.L.C.

Z Capital Group, L.L.C. ("ZCG") is a leading, privately held merchant bank comprised of private markets asset management, business consulting services, technology development and solutions.

ZCG has approximately \$7B of AUM with a global team comprised of approximately 400 professionals. **www.zcg.com**

Asset Management

Z Capital Partners, LLC ("ZCP") is the private equity fund management platform of ZCG. ZCP pursues a strategy of acquiring companies that are growth platforms, corporate carve-outs, buy & build, go-private transactions, and turn arounds.

Z Capital Credit Partners, LLC ("ZCCP") is the credit fund management platform of ZCG. ZCCP invests across a range of credit investments including leveraged loans, private debt, direct lending, and opportunistic credit. ZCCP manages closed and open ended funds as well as structured vehicles of strategic debt.

Both investment platforms share ZCG common resources, including infrastructure, legal, and cross global intelligence.

ZCG Consulting

ZCG Consulting ("ZCGC"), the strategic management consulting platform of ZCG, is a team of operating professionals within various disciplines of expertise including: financial reporting & planning, technology assessment & implementation, talent acquisition & analysis, global supply chain & logistics, c-suite advisory, real estate operations & management, insurance & risk management, in support of portfolio companies. The team works closely with company management teams and investment professionals to optimize operations and financial rigor, ultimately leading to value creation and increased performance.

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AUM is Gross Pro-Forma as of May 31, 2023, and reflects certain transactions set to close prior to the end of Q3 2023.

ZCG											Data Week Ending	3Ca
Market Indices		15-Dec		WoW Change	YTD Change	YoY Change	Market Indices	15-Dec		WoW Change	YTD Change	YoY Ch
OJIA S&P 500		37,305.16 4.719.19	36,247.87 4,604.37	2.92%	12.35% 22.74%	10.43% 19.07%	S&P/LSTA Leveraged Loan Index Barclays High Yield Index	3,702.59 2,453.59	3,681.00 2,407.40	0.59% 1.92%	12.54% 11.19%	12. 10.
IASDAQ ISCI - EAFE		14,813.92	14,403.97	2.85%	41.11%	33.68%	Barclays Aggregate	2,148.64	2,103.25	2.16%	4.19%	2
ASCI - Emerging Markets		2,192.98 1,000.89	2,138.43 975.01	2.55% 2.65%	12.83% 4.83%	11.79% 3.27%	Loan Market Bids		15-Dec	8-Dec	WoW Change	YTD CH
JS Dollar Index /IX		102.55 12.28	104.01 12.35	(1.40%)	(1.69%) (41.16%)	(2.12%) (44.91%)	S&P Flow Name Index S&P 100 Name Index		98.35 96.48	98.35 95.85	0.00% 0.67%	(0.
JS Equities Avg Daily Dollar Volun	ne (\$ in Billions)	321.79	332.32	(3.17%)	(35.33%)	(39.10%)	S&P BB's Index S&P B's Index		99.40 97.42	99.18 96.94	0.22%	1. 5.
							S&P CCC's Index		80.88	79.45	1.80%	10.
Market Ratios ED Spread 3 Month LIB	BOR - 3 Month T-Bills	15-Dec 24.82	8-Dec 18.01	WoW Change 37.81%	YTD Change 7.44%	YoY Change (49.73%)	Loan Market Spreads		15-Dec	8-Dec	WoW Change	YTD CH
ut/Call Ratio	Equities	0.53	0.56	(5.36%)	(38.37%)	(22.06%)	S&P BB's Index S&P B's Index		L+120 L+446	L+132 L+449	(12 bps) (3 bps)	(222 (151
Commodities Indices (\$ USD)	Metric	15-Dec		WoW Change	YTD Change	YoY Change	S&P CCC's Index		L+1596	L+1574	22 bps	7
core Commodity Index	CRY Index	265.07	262.82	0.85%	(4.69%)	(0.50%)	Credit Default Swap - Volatility Indices	Index	15-Dec	8-Dec	WoW Change	YTD CH
Sasoline - Pump Sasoline - Futures	Gallon Gallon	3.08 2.14	3.17 2.05	(2.90%) 4.25%	(0.71%) (10.35%)	(7.24%) 4.29%	Investment Grade CDS High Yield CDS	Markit Markit	57.50 367.24	61.55 401.91	(6.57%) (8.63%)	(28.
rude Oil - WTI	Barrel	71.43	71.23	0.28%	(10.22%)	(0.04%)		· · ·			WoW Change	YOY CI
rude Oil - Brent atural Gas	Barrel MM BTU	76.55 2.49	75.84 2.58	0.94% (3.49%)	(8.78%) (44.40%)	0.53% (58.22%)	Credit High Yield	Ave Yield	15-Dec T+375	8-Dec T+370	5 bps	(6
oal (1 contract = 1,000 tons)	Contract	214.63	214.63	0.00%	7.03%	7.03%	LCD Flow Name	Ave Spread	L+202	L+205	(3 bps)	(15
luminum	Metric Ton	2,247.50	2,134.00	5.32%	(5.94%)	(10.21%)	US Treasury 2-Yr		4.45%	4.71%	(26 bps)	10
opper on Ore	Metric Ton Metric Ton	8,549.00 135.08	8,448.50 135.45	1.19% (0.27%)	2.39% 22.27%	0.07% 23.37%	US Treasury 3-Yr US Treasury 5-Yr		4.14% 3.93%	4.45% 4.24%	(31 bps) (31 bps)	7 6
teel - Hot Rolled Coil teel - Cold Rolled Coil	Metric Ton Metric Ton	1,068.00 1,205.00	1,070.00 1,180.00	(0.19%) 2.12%	39.97% 32.42%	35.88% 43.45%	US Treasury 7-Yr US Treasury 10-Yr		3.96% 3.93%	4.27% 4.23%	(31 bps) (30 bps)	7
errous Scrap	Metric Ton	560.00	520.00	7.69%	29.33%	45.45%	OS Heasury 10-11		3.93%	4.2370	(30 bps)	,
old	Troy Ounce	2,019.62	2,004.67	0.75%	12.31%	12.88%						
lver	Troy Ounce	23.86	23.00	3.72%	0.52%	3.43%	US CLO Spreads - New Issue		15-Dec S+183	8-Dec S+180	WoW Change 3 bps	YTD CI
otton	Pound	76.74	78.66	(2.44%)	(7.95%)	(5.06%)	AA		S+250	S+255	(5 bps)	(1
utter	Pound	2.49	2.67	(6.74%)	3.97%	(7.26%)	A BBB		S+295 S+460	S+318 S+480	(23 bps) (20 bps)	(1
heese	Pound	1.64	1.64	(0.06%)	(17.46%)	(19.41%)	BB		S+775	S+800	(25 bps)	,
ocoa om	Pound Bushel	1.93 4.83	1.94 4.66	(0.63%) 3.70%	61.49% (27.50%)	70.72% (23.58%)	Market Rates		15-Dec	8-Dec	WoW Change	YTD C
ilk, Non Fat Dry oybean	Pound Bushel	1.19 13.16	1.19 13.04	0.19%	(18.42%) (11.04%)	(16.63%) (11.47%)	Fed Fund Rate		5.31% 8.50%	5.31% 8.50%	0 bps 0 bps	10
ugar	Pound	0.22	0.23	(5.86%)	4.81%	11.74%	Broker Call Rat		7.25%	7.25%	0 bps	10
heat ve Cattle	Bushel Pound	6.29 1.68	6.15 1.65	2.32% 1.68%	(18.91%) 7.22%	(13.12%) (87.10%)	1M SOFR 3M SOFR		5.31% 5.39%	5.32% 5.30%	(1 bps) 9 bps	10
an Hogs ef. USDA Ground	Pound Pound	0.72 2.92	0.68 2.88	5.08% 1.26%	(18.13%) 7.24%	(12.32%) 17.94%	1M Libor 3M Libor		5.47% 5.63%	5.47% 5.63%	0 bps (0 bps)	10
nicken, Boneless & Skinless	Pound	3.52	3.54	(0.56%)	0.00%	15.07%	6M Libor		5.65%	5.72%	(7 bps)	
							Short Interest - Billions of shares		31-Oct	30-Sep	MoM Change	YTD C
	Spot Pri		Futu		10-Year Hi		NYSE Mkt Short Interest		16.14	16.04	0.68%	
panese Yen USDJPY	15-Dec 142.150	8-Dec 144.950	2024 130.000	2025 135.000	75.820	High 138.570	Nasdaq Short Interest		12.92	12.91	0.09%	•
ninese Renminbi USDCNY viss Franc USDCHF		7.170 0.880	6.700 0.870	7.000 0.890	6.041 0.721	7.179 1.030	Fed Corp Primary Dealer Positions - \$ USD in Net Outright Total Corp Securities	Billions	6-Dec 10.98	29-Nov 10.56	WoW Change 3.98%	YTD C
itish Pound GBPUSD	1.268	1.255	1.310	1.280	1.130	1.717						
uro Zone Euro EURUSD anadian Dollar USDCAD		1.076 1.358	1.140 1.270	1.120 1.310	0.986 0.943	1.483 1.458	Margin Debt - \$ USD in Billions Margin Debt		31-Oct 705,28	30-Sep 693.05	MoM Change 1.76%	YTD C
ECHNICALS (Supply / Der ank Loan & High Yield, Inflows		und, \$ USD in Mill	lions, (Source: L	.CD News)			Leveraged Finance Primary Volume - \$ USD i	n Billions				
-	Week Ending 13-Dec-23	S			High Yield \$ 759		12/15/2023		Year To D 2023	Date 2022	Year End 2021	С
	6-Dec-23 29-Nov-23	S S	\$ 124		\$ 2,051 \$ 295		Bank Debt		83.8	145.0	588.4	(42
	22-Nov-23 15-Nov-23	S S			\$ 325 \$ 4,574		Senior Secured Bonds		44.0	13.0	147.9	238
	8-Nov-23 1-Nov-23	S			\$ 6,249 \$ (953)		Unsecured Bonds Total Bonds		22.0 66.0	42.0 55.0	313.8 461.7	(4)
	25-Oct-23	S	\$ (123)		\$ (942)							
ear To Date 2023	18-Oct-23	- S	\$ (23) \$ (18,051)		\$ (1,915) \$ (17,252)		Totals		149.8	200.0	1,050.1	(2
ear Ended December 31, 2022 ear Ended December 31, 2021		\$ \$	\$ (12,694) \$ 46,498		\$ (48,558) \$ (12,984)							
EW ISSUE SUMMARY - B	I-WEEKLY						DEFAULT ACTIVITY Total Loan Defaults - as of:					
	12/15/2023	Doale	Amt (Smm)							30-San	31-Aug	
unched	12/15/2023 Prior Two Weeks	Deals 12	Amt (\$mm) 8,233				Default Rate by Total Amount of All Loans Outsta	nding		30-Sep 1.72%	31-Aug 1.56%	Y
unched rward Calendar	Prior Two Weeks	12 4	8,233 7,437				Default Rate by Total Amount of All Loans Outsta Default Rate by Total Number of All Loan Issuers			30-Sep 1.72% 1.89%	31-Aug 1.56% 1.62%	<u> </u>
unched rward Calendar gh Yield unched		12 4 Deals 9	8,233 7,437 Amt (\$mm) 6,532							1.72%	1.56%	<u> </u>
unched rward Calendar gh Yield unched rward Calendar	Prior Two Weeks 12/15/2023	12 4 Deals	8,233 7,437 Amt (\$mm)							1.72%	1.56%	Y
unched rward Calendar gh Yield unched rward Calendar CONOMIC DATA RECAP	Prior Two Weeks 12/15/2023	12 4 Deals 9	8,233 7,437 Amt (\$mm) 6,532	Expected	Prior		Default Rate by Total Number of All Loan Issuers			1.72%	1.56%	
unched nward Calendar gh Yield unched nward Calendar CONOMIC DATA RECAP y Economic Indicators: ial Jobless Claims	Prior Two Weeks 12/15/2023	12 4 Deals 9 3	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K	Expected 218K	209K	_	Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Civilian Employment as % of Total Labor Force			1.72% 1.89% 31-Oct 60.4%	1.56% 1.62% 30-Sep 60.4%	YTD
unched ward Calendar jh Yield unched ward Calendar ZONOMIC DATA RECAP y Economic Indicators: ial Jobless Claims rithuling Claims ange in Non-Farm Payrolls	Prior Two Weeks 12/15/2023	12 4 Deals 9 3 Period Dec Dec	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K 1,927K 223K	218K 1,865K 205K	209K 1,840K 263K	_	Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Civilian Employment as % of Total Labor Force Labor Force Participation Rate			1.72% 1.89% 31-Oct 60.4% 62.6%	1.56% 1.62% 30-Sep 60.4% 62.6%	YTD (
unched ward Calendar jh Yield unched ward Calendar ZONOMIC DATA RECAP y Economic Indicators: ial Jobless Claims rithuling Claims ange in Non-Farm Payrolls	Prior Two Weeks 12/15/2023	12 4 Deals 9 3	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K 1,927K	218K 1,865K	209K 1,840K		Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Civilian Employment as % of Total Labor Force Labor Force Participation Rate Government Assistance	_		1.72% 1.89% 31-Oct 60.4% 62.6% 31-Oct	1.56% 1.62% 30-Sep 60.4% 62.6% 30-Sep	YTD (
unched ward Calendar ph Yield unched ward Calendar CONOMIC DATA RECAP y Economic Indicators: al Jubless Claims until under Claims until under Claims ange in Non-Farm Payrolls ange in Private Payrolls employment Rate	Prior Two Weeks 12/15/2023 Prior Two Weeks U-3	12 4 Deals 9 3 Period Dec Dec Dec Dec Dec Dec	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K 1,927K 223K 220K	218K 1,865K 205K 188K	209K 1,840K 263K 221K		Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Givilian Employment as % of Total Labor Force Labor Force Participation Total Government Assistance SNAP Ika Food Stamps - # of Participants			1.72% 1.89% 31-Oct 60.4% 62.6% 31-Oct 40.521	30-Sep 60.4% 62.6% 30-Sep 40.770	YTD (
unched ward Calendar jh Yield unched ward Calendar vard Calendar ZONOMIC DATA RECAP y Economic Indicators: al Jobiess Claims intinuing Claims ange in Non-Farm Payrolls ange in Private Payrolls employment Rate employment Rate employment Rate	Prior Two Weeks 12/15/2023 Prior Two Weeks	12 4 Deals 9 3 Period Dec Dec Dec Dec Dec	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K 1,927K 223K 220K	218K 1,865K 205K 188K	209K 1,840K 263K 221K		Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Civilian Employment as % of Total Labor Force Labor Force Participation Rate Government Assistance	in Millions		1.72% 1.89% 31-Oct 60.4% 62.6% 31-Oct	1.56% 1.62% 30-Sep 60.4% 62.6% 30-Sep	YTD (
unched ward Calendar ph Yield unched ward Calendar young Calendar young Calendar young Calendar young Calendar young Calendar unit under u	Prior Two Weeks 12/15/2023 Prior Two Weeks U-3	Period Dec Dec Dec Dec Dec Dec Dec	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K 1,927K 223K 220K 3,5% 6,6% 34,3	218K 1,865K 205K 188K 3.7% 6.5% 34.7	209K 1,840K 263K 221K 3.7% 6.7%		Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Civilian Employment as % of Total Labor Force Labor Force Participation Rate Government Assistance SNAP Ika Food Stamps - # of Participants Retail Sales Ad, Retail & Food Services Sales Index - US Cen	in Millions		1.72% 1.89% 31-Oct 60.4% 62.6% 31-Oct 40.521 31-Oct 683.0	1.56% 1.62% 30-Sep 60.4% 62.6% 30-Sep 40.770 30-Sep 687.4	YTD C
unched ward Calendar gh Yield unched ward Calendar young Calendar young Calendar young Calendar young Calendar still Jobless Claims intimung Calens ange in Non-Farn Payrolls ange in Private Payrolls employment Rate employment Rate erage Work Week listing Home Sales using Starts	Prior Two Weeks 12/15/2023 Prior Two Weeks U-3 U-6	12 4 Deals 9 3 Period Dec Dec Dec Dec Dec Dec Dec Dec Dec De	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K 1,927K 223K 220K 3.5% 6.6% 34.3 3.79M 1,372K	218K 1,865K 205K 188K 3.7% 6.5% 34.7 3.90M 1,350K	209K 1,840K 263K 221K 3.7% 6.7% 34.4 3.96M 1,358K		Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Civilian Employment as % of Total Labor Force Labor Force Participation Rate Government Assistance SNAP fixa Food Stamps - # of Participants Retail Sales Ad, Retail & Food Services Sales Index - US Cen US Home Foreclosures and Delinquencies Home Foreclosures and Delinquencies	in Millions		1.72% 1.89% 31-Oct 60.4% 62.6% 31-Oct 40.521 31-Oct 683.0 31-Oct 178	1.56% 1.62% 30-Sep 60.4% 62.6% 30-Sep 40.770 30-Sep 687.4 30-Sep	YTD C
unched ward Calendar gh Yield unched unched ward Calendar SONOMIC DATA RECAP y stall Jobless Claim intinuing Claims ange in Non-Farm Payrolls ange in Non-Farm Payrolls ange in Private Payrolls employment Rate employment Rate erage Work Week isting Home Sales using Starts P/Case-Shielr Composite	Prior Two Weeks 12/15/2023 Prior Two Weeks U-3	12	8,233 7,437 Amt (\$mm) 6,532 4,711 Actual 218K 1,927K 223K 220K 220K 3,5% 6,6% 34,3	218K 1,865K 205K 188K 3.7% 6.5% 34.7	209K 1,840K 263K 221K 3.7% 6.7% 34.4		Default Rate by Total Number of All Loan Issuers Employment - Labor Participation Rates Civilian Employment as % of Total Labor Force Labor Force Participation Rate Government Assistance SNAP Ita Food Stamps - # of Participants Retail Sales Adj. Retail & Food Services Sales Index - US Cen US Home Foreclosures and Delinquencies	in Millions		1.72% 1.89% 31-Oct 60.4% 62.6% 631-Oct 40.521 31-Oct 683.0 31-Oct	1.56% 1.62% 30-Sep 60.4% 62.6% 30-Sep 40.770 30-Sep 687.4	YTD C
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