

Member driven. Community focused.

TDSML economic & market update

Call Agenda



- FOMC update
- Economic update
- Inflation update
- Employment Update
- Yield Curve Change Review

FOMC choices







Powell speech highlights from Jackson Hole

Restoring price stability will take some time and requires using our tools **forcefully** to bring demand and supply into better balance. Reducing inflation is likely to require a **sustained period of below-trend growth**. Moreover, there will very likely be some **softening of labor market** conditions.

While higher interest rates, slower growth, and softer labor market conditions will bring down inflation, they will also **bring some pain** to households and businesses. These are the unfortunate costs of reducing inflation. **But a failure to restore price stability would mean far greater pain.**

Fed can and should bring down inflation; public expectations contribute to inflation; the **Fed must keep at it until the job is done**.

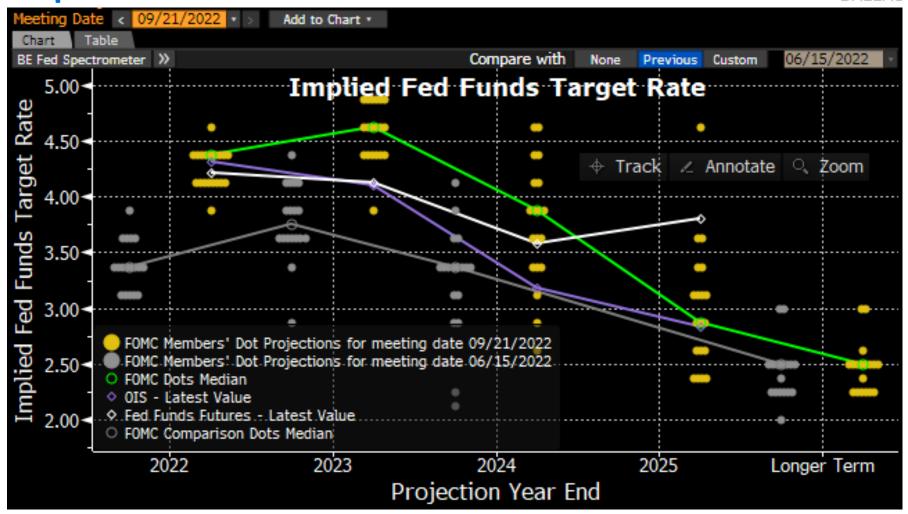
Hike expectations



Region: United			Instrument: Fed Funds Futures »			
Target Rate	2.50	ı	Pricing Date		09/21/2022	
Effective Rate	2.33	(Cur. Imp. O/N	Rate	2.327	
Meeti	ing #Hikes/Cuts	%Hike/Cut	Imp. Rate ∆	Implied Rate	A.R.M. A	
09/21/20	22 +3.221	+322.1%	+0.805	3.132	0.250	
11/02/20	22 +5.954	+273.3%	+1.489	3.816	0.250	
12/14/20	22 +7.581	+162.7%	+1.895	4.222	0.250	
02/01/20	23 +8.334	+75.2%	+2.083	4.411	0.250	
03/22/20	23 +8.691	+35.8%	+2.173	4.500	0.250	
05/03/20	23 +8.658	-3.3%	+2.165	4.492	0.250	
06/14/20	23 +8.449	-21.0%	+2.112	4.439	0.250	
07/26/20	23 +8.231	-21.7%	+2.058	4.385	0.250	
09/20/20		-36.5%	+1.967	4.294	0.250	
11/01/20		-40.8%	+1.864	4.192	0.250	
12/13/20			+1.768	4.095	0.250	
01/21/20	24 .4 721	24.28	.1 400	4.010	0.250	
Implied Overnight Rate & Number of Hikes/Cuts					Maximize	
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Implied Policy Rate		-			Number of	
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A 3.0					es,	
pa	Implied Policy Rate ((%)			>2.0 ℃	
2.5	Number of Hikes/Cut					
<u> </u>					-0.0 .	
Curren	t 11/02/2022	03/22/2023	07/26/2023	12/13/202	3	

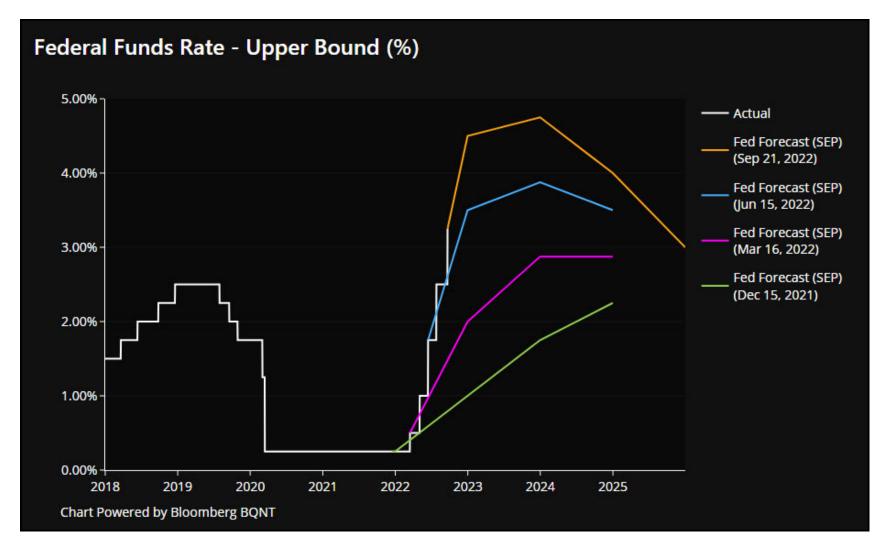
September Dot Race





How high is high?





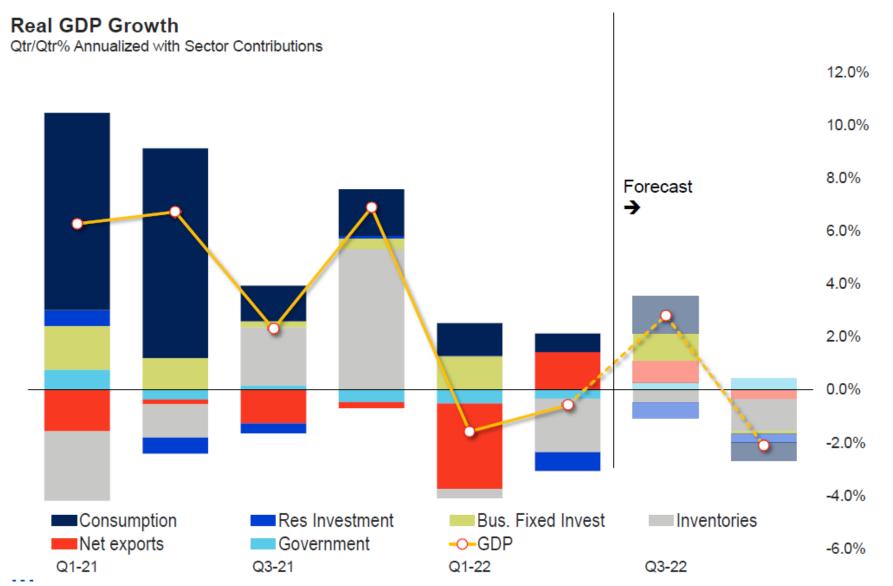
Economy so far is relatively resilient



- Atlanta Fed Now GDP is projecting slight growth path for Q3
- Jobless claims suggest employment no longer weakening
- Strong corporate profits help hiring and risk markets
- Fed is no longer mentioning soft-landing scenario
 - Recession in 2023/2024 is becoming much more likely

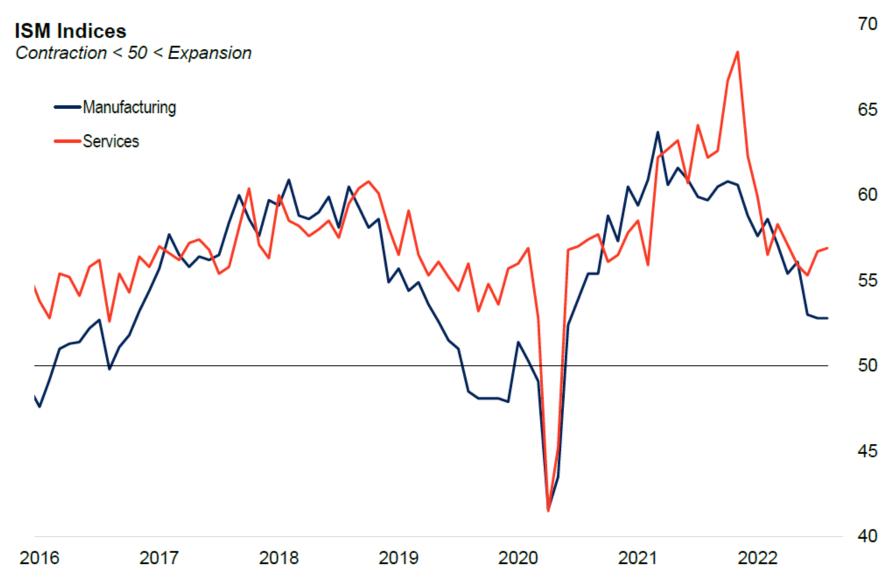
Real GDP Growth





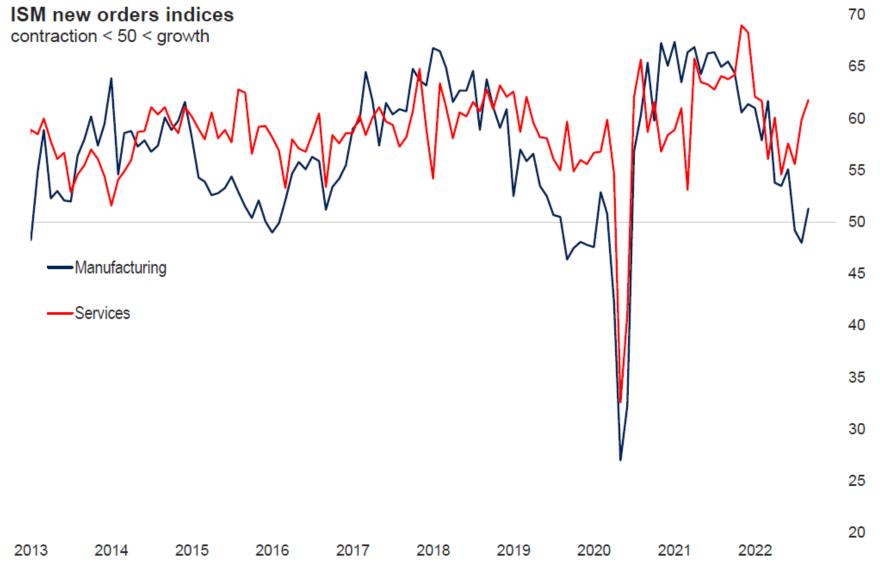
ISM from 9/1





New orders bounced

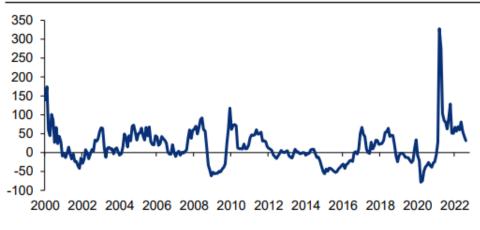




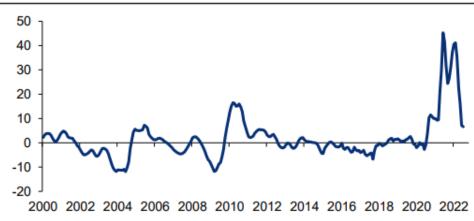
Transitory Inflation factors coming down



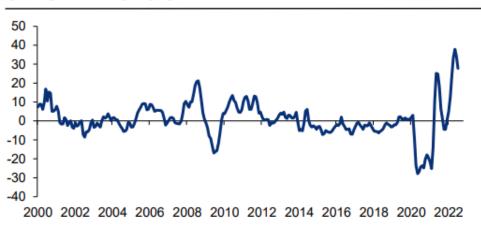




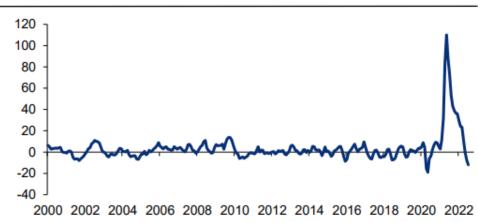
CPI-U: Used Cars and Trucks, %y/y



CPI-U: Airline Fare

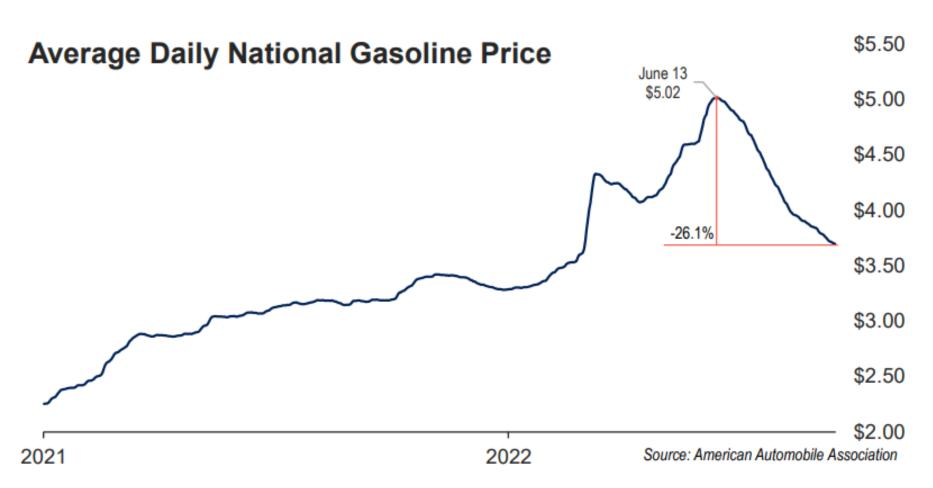


CPI-U: Car and Truck Rental



Gasoline





- Gasoline prices have fallen every day for 98 days.
- Gas was the primary cause of inflation in the first half

Consumer 1yr Inflation Expectations

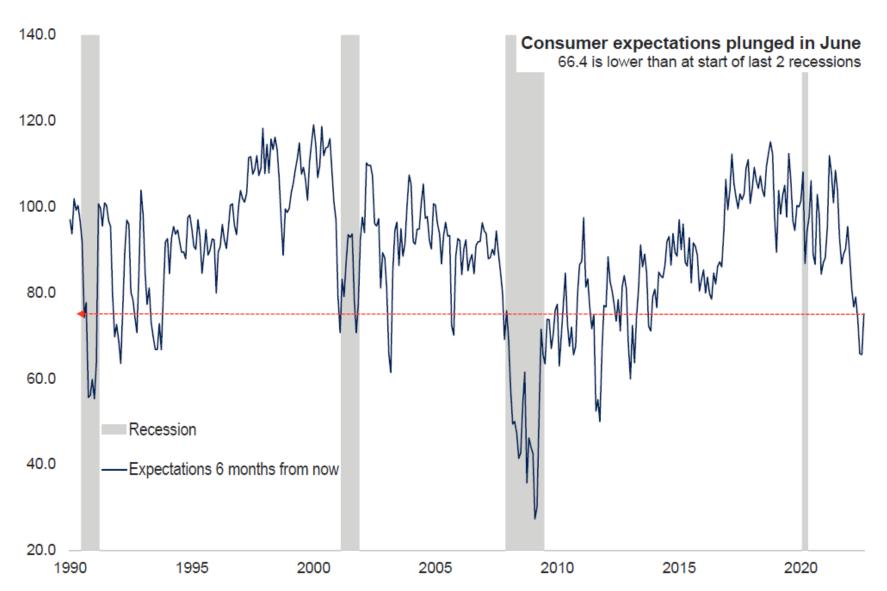




- You can see a clear rolling over in consumers inflation expectations.
- 1yr down to 4.6% vs 4.8% prior, 5-10yr expectations at 2.8% vs. 2.9% prior.

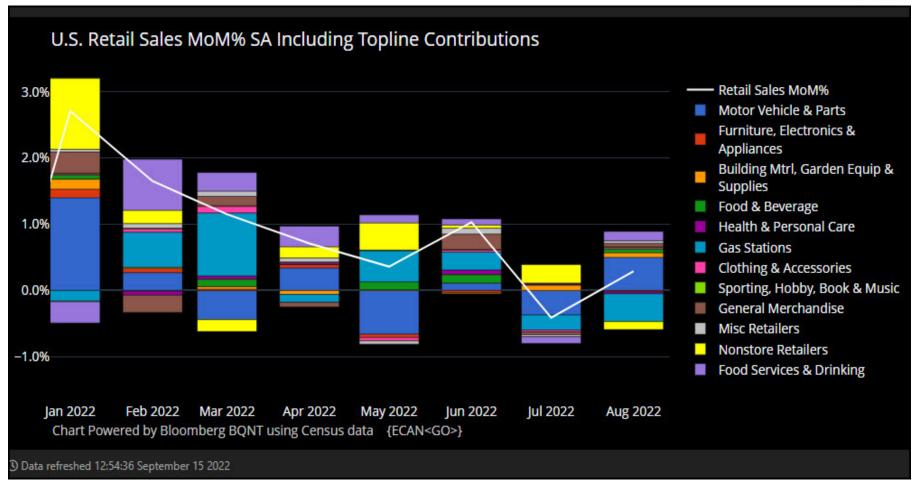
Consumer Sentiment comes back





Retail Sales 9/15

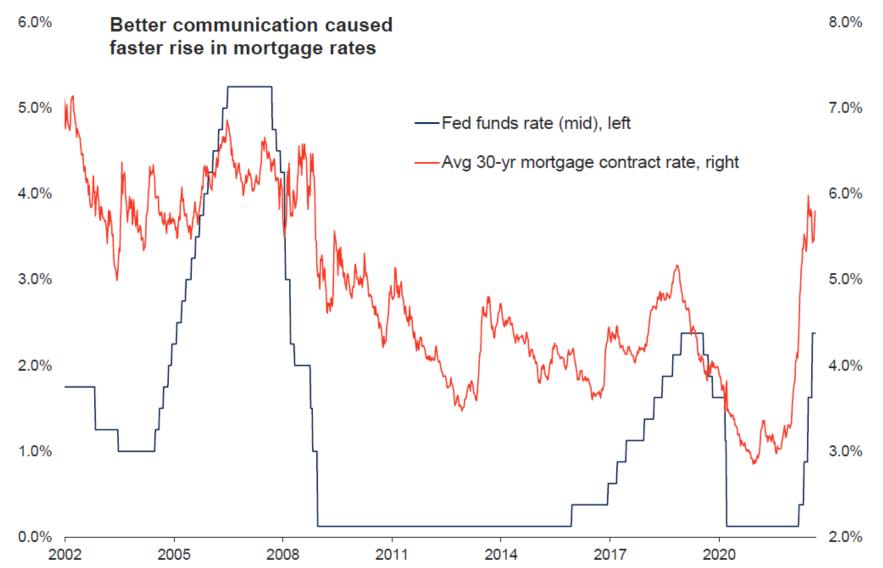




- Retail sales were surprisingly strong in August
- Gas prices came down leaving room for spending on other items

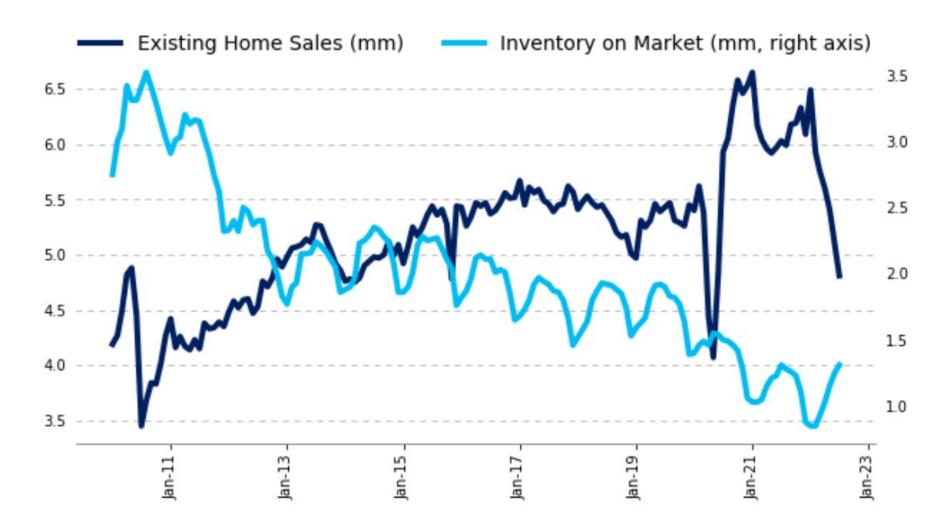
Mortgages up to early 2000s rates





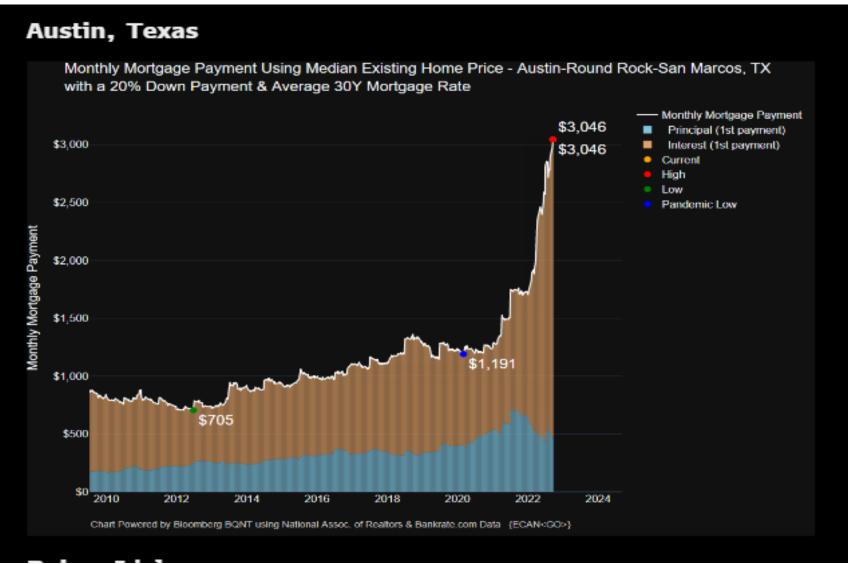
Housing Supply Up but Demand Down





Payment effect on mortgages



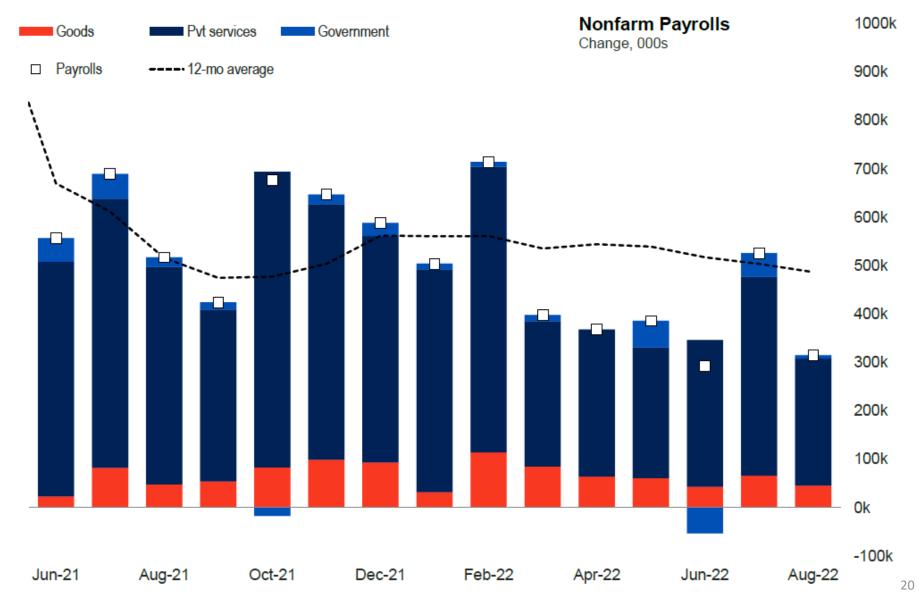




Employment Update

Job growth slowing but not slow

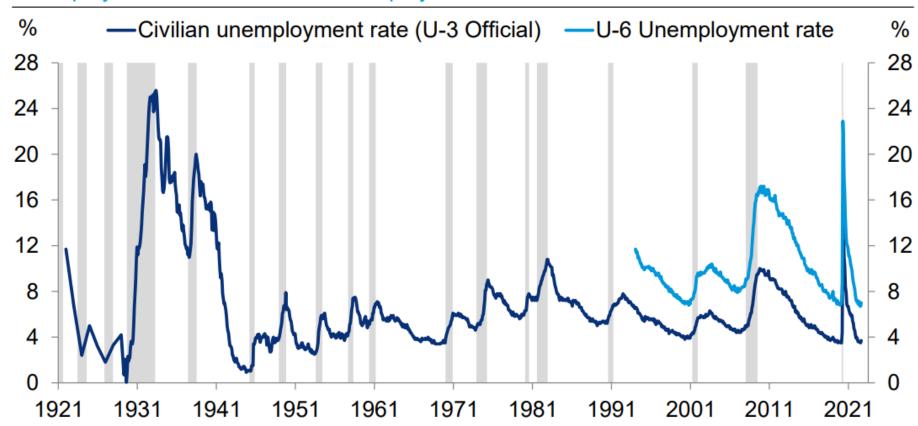




Unemployment rate up



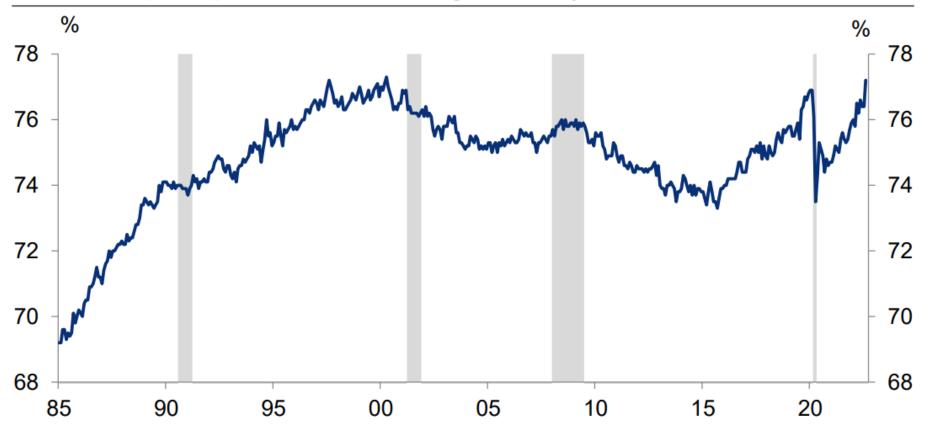
Unemployment rate and U-6 underemployment



Women are joining the workforce



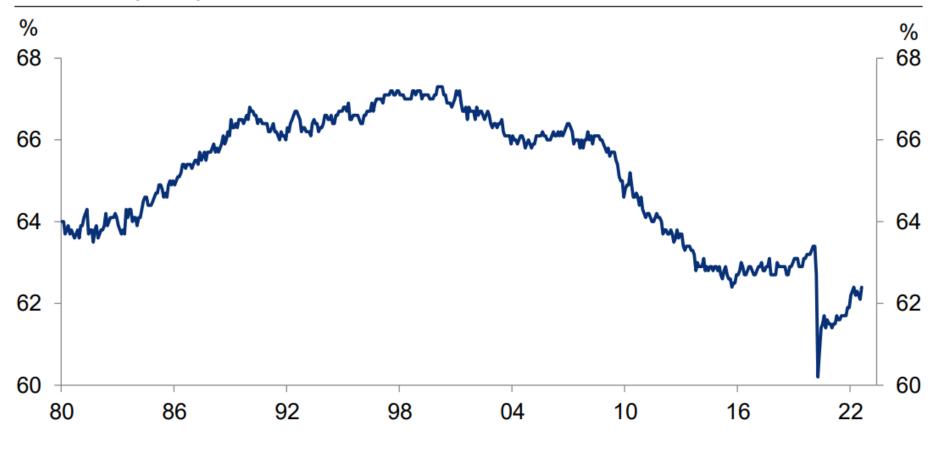
Labor force participation rate: women aged 25-54 years



Participation rate still low by historical standards



Labor force participation rate



Several service sector jobs still below pre-covid



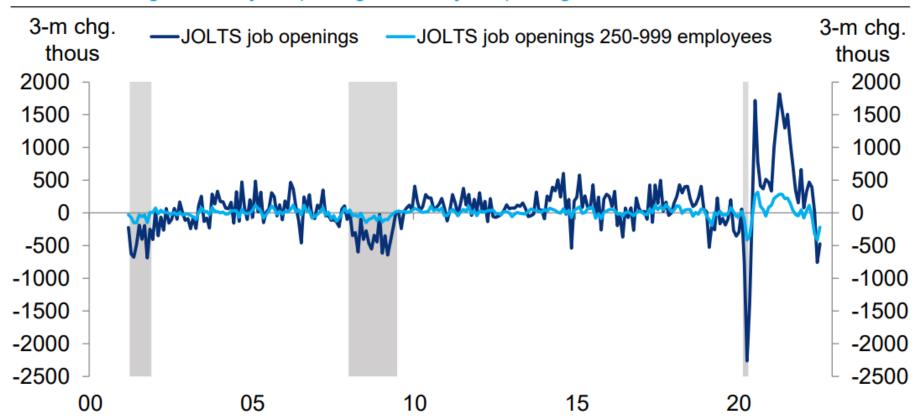
Change in employment since February 2020 by industry



Job Openings



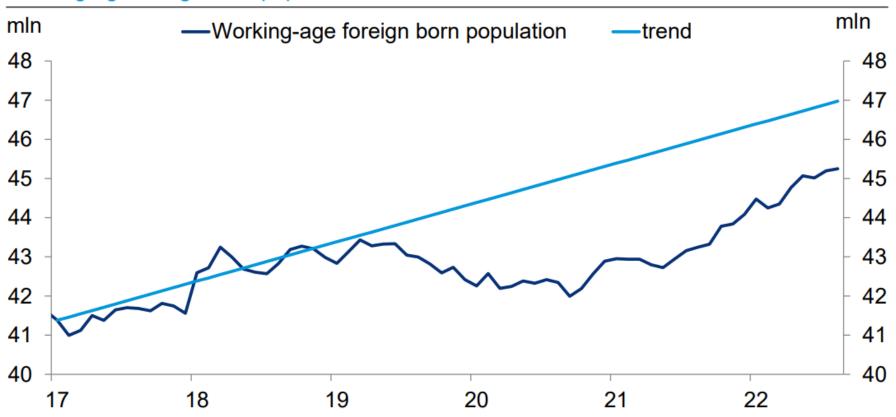
3-month change in total job openings versus job openings for medium-sized firms



Missing foreign born workers



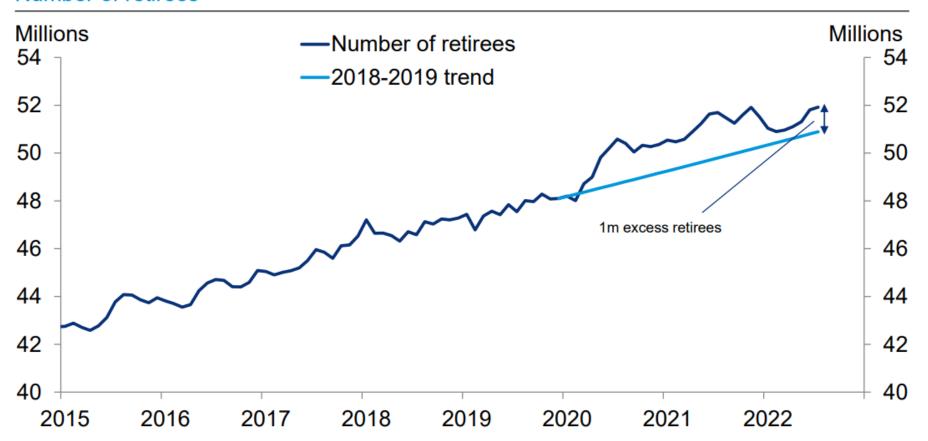
Working-age foreign-born population 2017-2022



Missing pre-retiree workers



Number of retirees



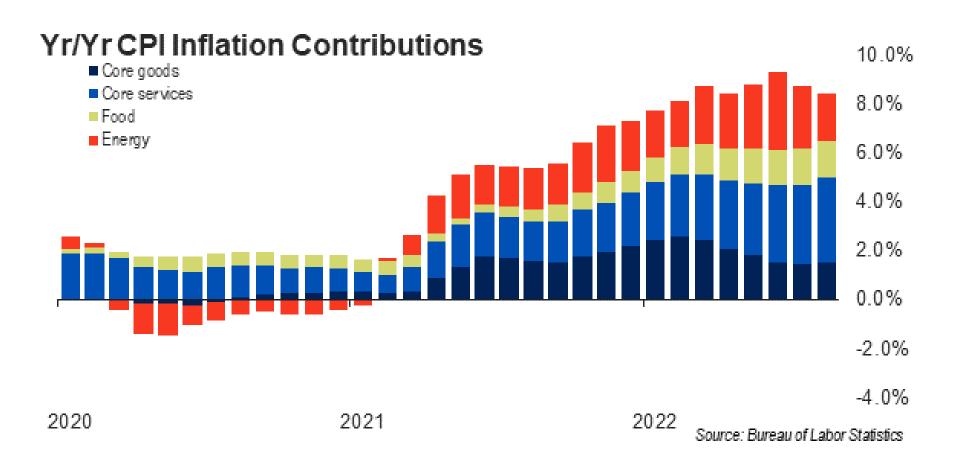
Source: CPS, IPUMS, Deutsche Bank



Inflation Update

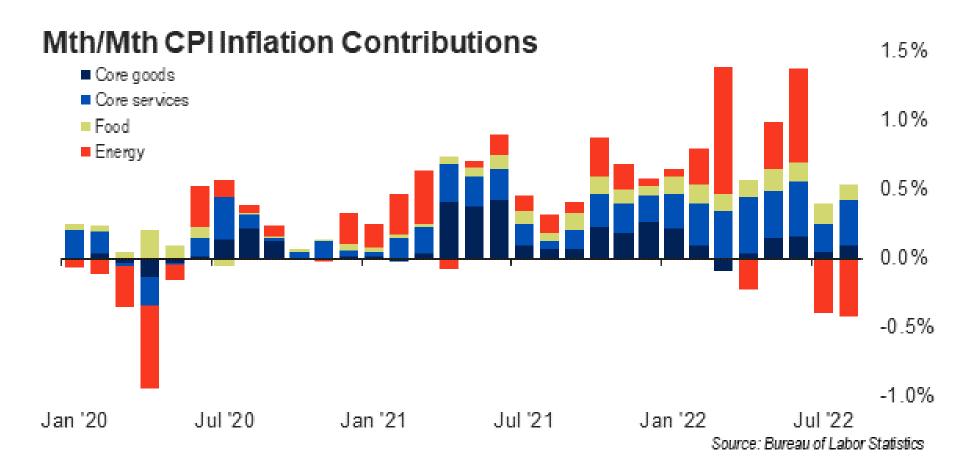
CPI Inflation: 9/13





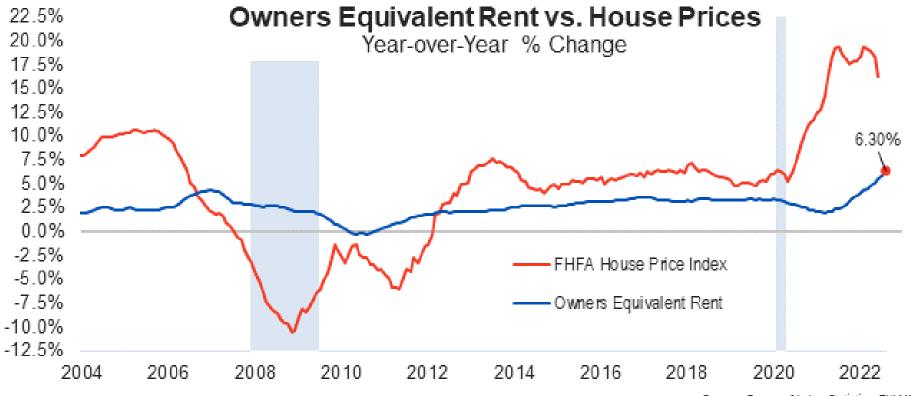
Inflation





Rent costs





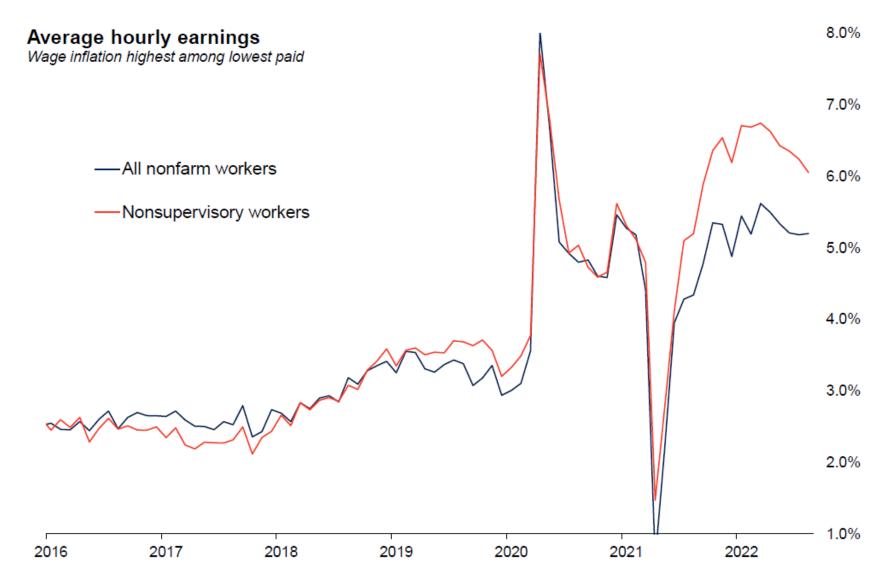
Source: Bureau of Labor Statistics, FHLMC

The mechanics of shelter inflation, which is a significant chunk of the core services index, suggest peak rent is still several months away.

- Owners' Equivalent Rent (OER) rose 0.7%
- Rent of primary residence rose 0.7%

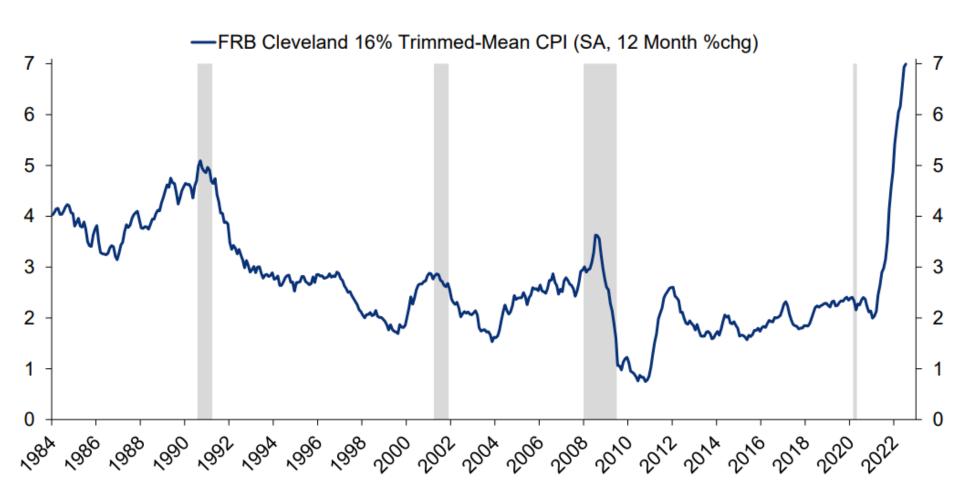
Pay Growth slowing but still quick





Higher and higher

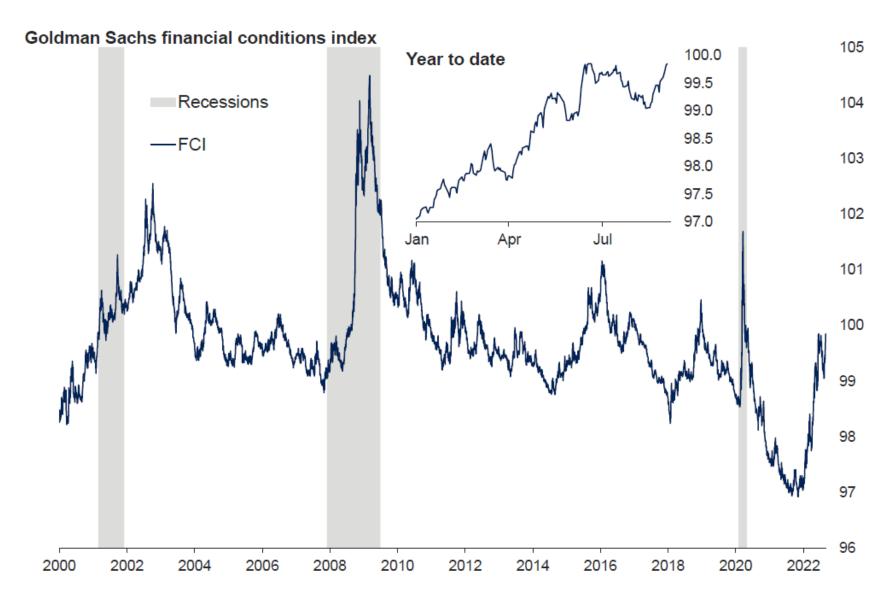




Source: FRB of Cleveland, Haver Analytics, Deutsche Bank

Financial Conditions Eased in July





Dollar Strength vs Major currencies





Euro/\$ exchange rate





Monthly change in UST yields





Copper to Gold Ratio





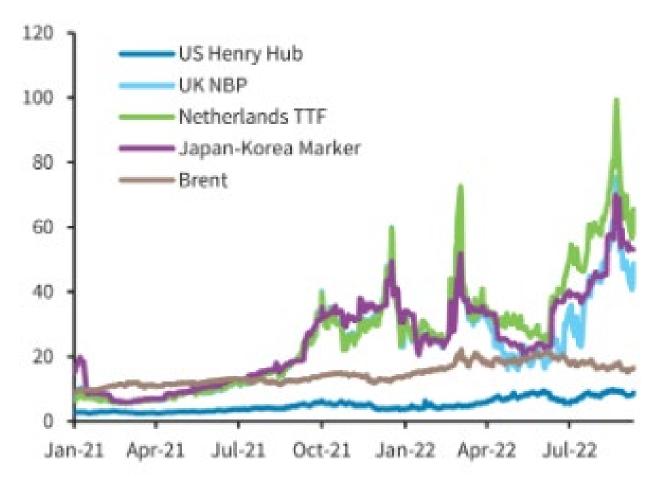
Biggest Current Financial Markets Macro Issues



- Russia has all the swing energy and they are strangling Europe... contributing to higher inflation, weaker economy.
- China has all the goods for supply chains and they are hurting the US... contributing to higher inflation.
 - Taiwanese tensions continue to grow
- U.S. has the dollar, the strength of which is hurting all emerging economies... contributing to higher inflation.

International gas trading at multiple times US





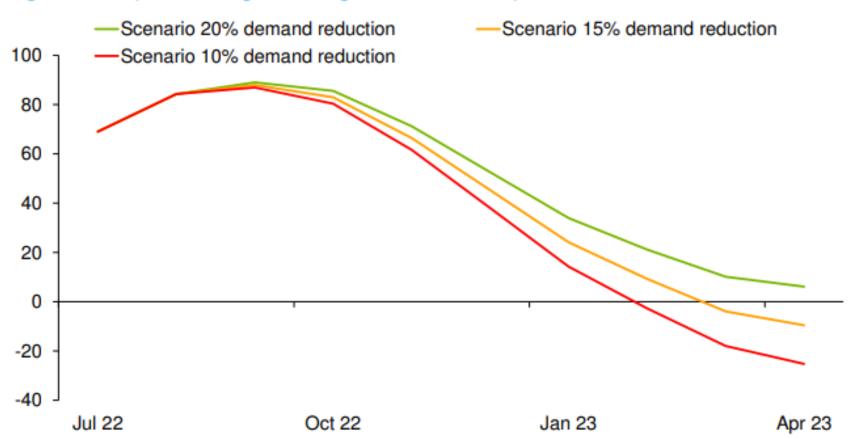
Note: All prices in USD/MMBtu.

Source: Bloomberg, Barclays Research

European Energy



Figure 1: Depletion of gas storage scenario analysis (0% Russian Gas flows)



^{*} Assumed share of re-exports in total gas imports: 40%. Assumed gas supply from Russia: 0% of max. capacity Source: Deutsche Bank Research