

US Banks

Earnings & beyond: Stock re-rating should resume

Industry Overview

Bank stock re-rating to continue

4Q results delivered exactly what the bulls (including us) needed. Resilient EPS outlooks (Exhibits 1-6); net interest income more resilient to rate-cuts than we expected (Exhibit 7); credit quality in-check (Exhibit 18-Exhibit 23). Growing confidence for a US economic soft-landing should drive bank stocks higher, trading at 9.8x 2025 P/E vs 13.7x pre-pandemic median and -54% discount to the S&P vs -38% historical. Relevant research: US Banks: 2024 Year Ahead: Top ten questions asked (and answered)

No room for negative nellies

In a reversal from 2023 a backdrop of gradual rate-cuts (direction > timing), potential for positive regulatory headlines (Basel III Endgame), an election cycle that could create optimism on regulations/M&A, 4-5% dividend yields – are all likely to make it harder for investors to take a negative view on the group. Price action coming out of 4Q prints indicates investor appetite to add exposure on pullbacks (evidenced in the rebound in Wells Fargo, KeyCorp, US Bancorp shares).

JPMorgan: the clock is ticking

JPMorgan-JPM's recent mgmt reshuffle further firms-up Jennifer Piepszak (now co-CEO of the Commercial & Investment Bank) and Marianne Lake (now sole CEO of the Consumer & Community Bank) as the front runners for the CEO role. Chairman & CEO Jamie Dimon widely seen as transitioning out of the CEO role by 2026. Elevation of Troy Rohrbaugh notable, who likely will continue to assume senior C-level roles within the bank's top ranks, in our opinion. Relevant research: JPM: 2024 Year Ahead: An elephant with the agility of a tiger

Citi consolidating, Wells turnaround progresses

Citigroup-C outperformance vs peers to continue as mgmt's turnaround takes hold. We look forward to mgmt update during BofA's annual financial services conference. Wells Fargo-WFC has fully reversed the sell-off in the immediate aftermath of 4Q results. Fewer rate-cuts will be viewed positively, while potential for asset-cap removal (likely 2025 event) to serve as potential catalyst for a re-rating higher in the stock.

Goldman, Morgan need IB pick-up

Goldman Sachs-GS at an inflection point as consumer issues in rear view. Sharpened execution, investors revisiting the potential return profile of the two core businesses (Goldman market leader in both) combined with a pick-up in investment banking (seasonally strong 1Q for trading) recipe for outperformance. Morgan Stanley-MS reset the bar, but execution hurdle high given a premium stock valuation and an intensely competitive backdrop for wealth assets. Exhibits 48-59 for capital markets trends.

Links to 4Q23 review notes: Large-caps: BK, C, CFG, FITB, GS, HBAN, JPM, KEY, MS, MTB, NTRS, PNC, RF, STT, TFC, USB, WFC. Mid-caps: US Mid-cap Banks: 4Q23 Earnings recap: Week 1, BOH & ZION, CFR, EWBC, FBP, FHN, PB, SNV, WBS

Trust banks likely to lag retail peers...continued page 2

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See Acronym list on pages 25 - 26

Trust banks likely to lag retail peers

As we noted in our year-ahead report, an economic soft-landing likely to favor outperformance for the credit sensitive regional bank peers. Additionally, potential for regulatory relief and/or a stronger markets backdrop may also drive stronger performance among the money centers or investment banks. This is a reversal from last year when the balance sheet defensibility and capital positioning of the trust banks were a distinct advantage. In our view, the group lacks idiosyncratic catalysts as efficiency focus (Northern-NTRS has room to surprise here) and capital return well understood. Net interest income outlooks a bit of a wildcard depending on the path of interest rates, customer behavior. BNY Mellon-BK our favored long, where we believe that the turnaround story is less appreciated.

Regionals best positioned to generate alpha

Regional banks best positioned to generate alpha as pressure points fade driven by lower interest rates, building capital levels and potential for a stabilization in credit costs later in the year. Moreover, macro themes around regulations/M&A/elections also have the potential to serve as a tailwind for these stocks. Mid-cap regionals saw greater volatility coming out of 4Q prints, with updates from First Horizon-FHN, Synovus-SNV, First BanCorp/Puerto Rico-FBP, and East West-EWBC well received. In certain instances markets looked past incremental negative updates on net interest income outlooks – reflecting the overarching mood within the investment community to add exposure to bank stocks. Heightened uncertainty on outlook for interest rates makes it tougher to position based on balance sheet positioning alone (asset vs. liability sensitivity). Among the super-regional banks we remain constructive on Truist-TFC, US Bancorp-USB, Fifth Third-FITB, KeyCorp-KEY and M&T Bank-MTB. Relevant research: US Banks: 2024 Stock Picks: Prepare for an overshoot

Catalyst watch

Upcoming catalysts to watch: FOMC (01/31) could inform stock selection asset vs. liability sensitive banks, update on pace of QT or end to be supportive of a re-rating higher in bank stocks; management intra-quarter updates at BofA Financial Services Conference (Feb 20-22); Fed stress test scenarios (1H-Feb) could inform 2H24 capital return outlooks

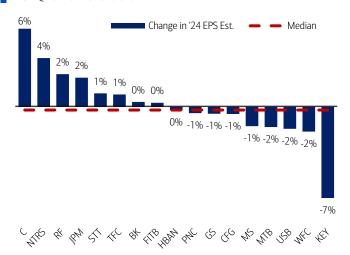


4Q23 recap & 2024 outlook in charts

On average consensus EPS outlooks relatively unchanged vs. pre-4Q levels...a positive when it comes to driving a re-rating higher in stocks.

Exhibit 1: Large cap pre-4Q 2024e EPS revision: -0.3%

Pre-4Q 2024e EPS revisions

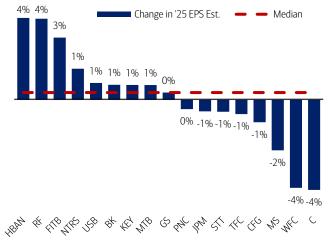


Source: BofA Global Research, Visible Alpha

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Exhibit 3: Large cap pre-4Q 2025e EPS revision: +0.3%

Pre-4Q 2025e EPS revisions

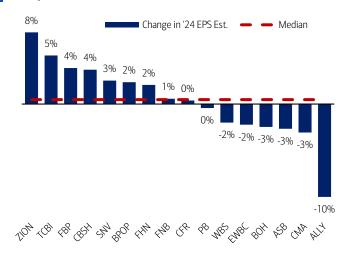


Source: BofA Global Research, Visible Alpha

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Exhibit 2: Mid cap 2024e 2024e EPS revision: +0.5%

Pre-4Q 2024e EPS revisions

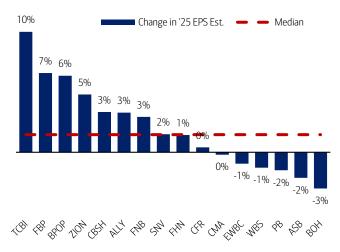


Source: BofA Global Research, Visible Alpha

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Exhibit 4: Mid cap pre-4Q 2025e EPS revision: +1.5%

Pre-4Q 2025e EPS revisions



Source: BofA Global Research, Visible Alpha



Exhibit 5: Large cap 2024e EPS revision: -30bp

Walk of EPS revisions vs. pre 4Q23 results

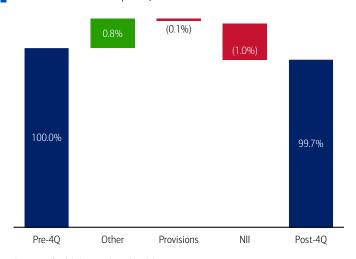


Exhibit 6: Mid cap 2024e EPS revision: +40bp





Source: BofA Global Research, Visible Alpha

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Source: BofA Global Research, Visible Alpha

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Exhibit 7: Management teams see mixed impacts to NII from rate cuts in 2024

Management commentary on impact of rate cuts on NII/NIM outlooks

	se Rate Cut Assumption	Commentary
JPM	6	We just always use the forward curve for our outlook, and that's what's in there.
		We're positioned such that, with 100 basis point move, parallel shift in rate across the curve, the US dollar impact would only be a couple
		hundred million dollars, all right, and so – to the negative, obviously. But it's a couple hundred million dollars. And so as we think about that
		forecast, and as I mentioned, NII being down a bit, that covers kind of three to six cuts over the course of 2024, likely back-loaded, but that's
С	3-6	what's in there.
		This expectation is anchored on the forward rate curve and a series of business assumptions, including: lower rates in the recent forward rate
WFC	6	curve, which, given our modestly asset-sensitive position, would be a headwind to net interest income
		I would say that if there's a slight bias, if the cuts came in a little fewer this year, that would – it would probably – it'd be okay. But
		nevertheless, that first cut is key. And a general normalization and an orderly fashion over time is what we think is very good for our balance
CFG	5	sheet. Again, staying around neutral, but maybe a slight benefit if rates come in a tiny bit higher in 2024.
		So, I would say, the theoretical answer to that is, you're higher for longer, and so therefore people will continue to optimize their deposits
		into higher yielding assets. So, you could see the base case, you could see balances run off more. But we've kind of analyzed this top-down,
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CTT	_	
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PNC	3	
		cuts, I think we have less sensitivity there. That being said, I think a scenario where there are no cuts that would be – or significantly delayed
TFC	5	cuts, that would be a headwind for us
		I think, look, I think an upward sloping yield curve benefits the business broadly. I am not as concerned at the moment about four cuts or six
		cuts. As we move through the year, while we're liability-sensitive today, as we move through the year and, swaps and treasury portfolios burn
KEY	4	off, we're going to slightly become more asset-sensitive naturally.
	5	cuts, that would be a headwind for us I think, look, I think an upward sloping yield curve benefits the business broadly. I am not as concerned at the moment about four cuts or cuts. As we move through the year, while we're liability-sensitive today, as we move through the year and, swaps and treasury portfolios because of the control of the year and



Exhibit 7: Management teams see mixed impacts to NII from rate cuts in 2024 Management commentary on impact of rate cuts on NII/NIM outlooks

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iource: BofA Global Research, company filings			neuges that would kick iii, dut i think it's probably in the range, just to give you a balipark, of \$15 million to \$20 million downside.



Significant room to re-rate on improving EPS visibility

Bank stocks trading at -54% discount to S&P 500 on P/E, -76% discount on P/B, below -38%/-65% historically. Valuations recovering from October selloff as results better than feared, BKX/KRX trading at 10.6x/11.1x P/E vs 12x/14.3x historically, 1.6x/1.7x P/TBV vs 1.6x/1.8x historically. Group +90bp YTD signals investors cautiously adding exposure to the group as macro headwinds show signs of clearing.

Exhibit 8: BKX trading at 10.6x, below its historical median of 12x BKX Index P/E ratio over the last decade



Source: BofA Global Research, Bloomberg

2019

2021

2023

BofA GLOBAL RESEARCH

Exhibit 9: KRX trading at 11.1x, below its historical median of 14.3x



Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 10: BKX trading at 1.6x, in line with historical median

2017

BKX Index P/TBV ratio over the last decade

2015

6.0x — 2013



BofA GLOBAL RESEARCH

Exhibit 11: KRX trading at 1.7x, below its historical median of 1.8x

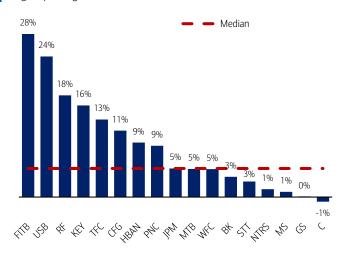


Source: BofA Global Research, Bloomberg



Exhibit 12: Large-cap banks: QoQ chg in TBV/sh: +5%

Large cap change in TBV/sh 4Q23 vs. 3Q23

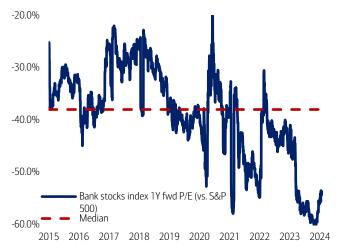


Source: BofA Global Research, company filings, SNL Financial

BofA GLOBAL RESEARCH

Exhibit 14: Bank stocks below relative P/E historical median of -38% $\,$

Bank stock index P/E relative to S&P 500



Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 13: Mid-cap banks: QoQ chg in TBV/sh: +9%

Mid cap change in TBV/sh 4Q23 vs. 3Q23



Source: BofA Global Research, company filings, SNL Financial

BofA GLOBAL RESEARCH

Exhibit 15: Bank stocks below relative P/B historical median of -65%

Bank stock index P/B relative to S&P 500



Source: BofA Global Research, Bloomberg



1995 redux? We revisited the last time the Fed had to tighten aggressively...what happened? Fed Funds rate from 3% to 5.5% starting 1994. GDP growth 4% to 2.7% in 1995. What did bank stocks do? After underperforming the S&P by ~700bp in 1994 (Bank index was -9% for the year), banks outperformed in 1995, rising 54% vs. +34% S&P.

Exhibit 16: Bank stocks rebounded sharply in 95 after u/p in '94...

Bank stock px perf. vs fed funds rate



Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 17: ...and continues to await a rebound this cycle

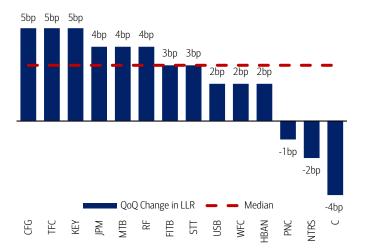
Bank stock px perf. vs fed funds rate



Source: BofA Global Research, Bloomberg

Credit trends normalizing: nonperforming loans +4bp QoQ to 0.51% vs. 0.57% YE19; net charge-offs +3bp QoQ to 0.27% vs. 0.22% 4Q19. Allowances +2bp QoQ to 1.32% vs. 1.69% peak-Covid; 1.00% YE19.

Exhibit 18: Large-cap banks: Change in loan loss reserves: +3bp* Large cap change in LLR 4Q23 vs. 3Q23

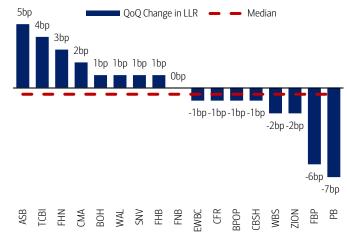


Source: BofA Global Research, company filings

*Excluding BK, +13bp QoQ

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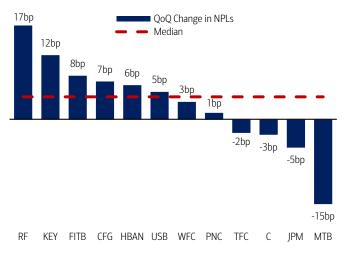
Exhibit 19: Mid-cap banks: Change in loan loss reserves: -0.5bp* Mid cap change in LLR 4Q23 vs. 3Q23



Source: BofA Global Research, company filings *Excluding ALLY, -17bp QoQ

BofA GLOBAL RESEARCH

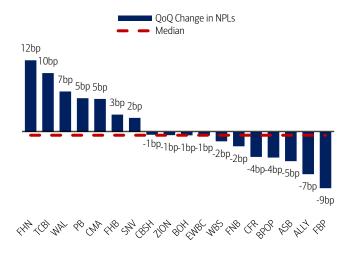
Exhibit 20: Large-cap banks: QoQ chg in non-performing loans: +4bp Large cap change in NPLs 4Q23 vs. 3Q23



Source: BofA Global Research, company filings

BofA GLOBAL RESEARCH

Exhibit 21: Mid-cap banks: QoQ chg in non-performing loans: -1bp Mid cap change in NPLs 4Q23 vs. 3Q23

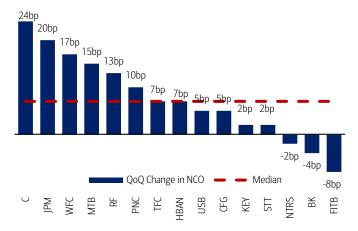


Source: BofA Global Research, company filings



Exhibit 22: Large-cap banks: QoQ chg in net charge-offs: +7bp

Large cap change in NCOs 4Q23 vs. 3Q23

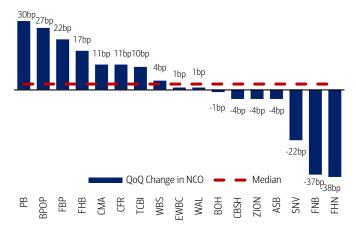


Source: BofA Global Research, company filings

BofA GLOBAL RESEARCH

Exhibit 23: Mid-cap banks: QoQ chg in net charge-offs: +2.5bp*

Mid cap change in NCOs 4Q23 vs. 3Q23

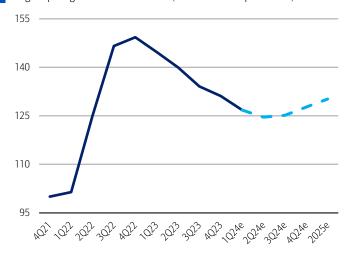


Source: BofA Global Research, company filings *Excluding ALLY, +46bp QoQ

Margin stabilization in sight: net interest margins -2bp QoQ, net interest income -1.3%, interest-bearing deposits costs +24bp QoQ (vs. +32bp 3Q23), NIB mix -95bp. TBV/shr +7% QoQ large-caps, +10% QoQ mid-caps.

Exhibit 24: Large cap NII to see improvement in 2H24

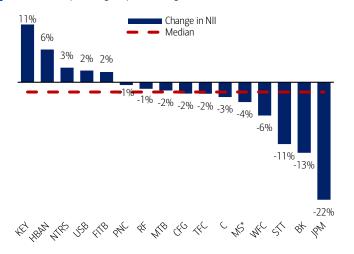
Large cap NII growth indexed to 100 (2025 estimate quarterized)



Source: BofA Global Research, company filings

BofA GLOBAL RESEARCH

Exhibit 26: Large-cap banks: Median YoY NII forecast -2%* Consensus implied large cap YoY change in NII 4Q24e/4Q23

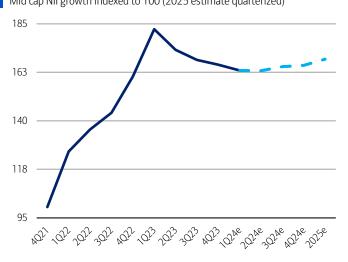


Source: BofA Global Research, company filings, Visible Alpha

* MS denotes Wealth Management NII

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Exhibit 25: Mid cap NII to stabilize after midyear, rebound into 2025Mid cap NII growth indexed to 100 (2025 estimate quarterized)



Source: BofA Global Research, company filings

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Exhibit 27: Mid-cap banks: Median YoY NII forecast: +5% Consensus implied mid cap YoY change in NII 4Q24e/4Q23

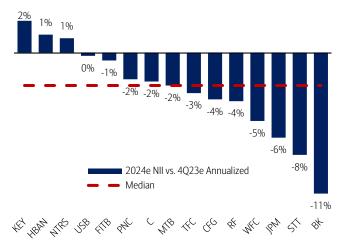


Source: BofA Global Research, company filings, Visible Alpha



Exhibit 28: Large-cap banks: 2024e NII vs 4Q23 NII annualized: -2.5%

Consensus difference between 2024e NII vs. 4Q23 NII annualized

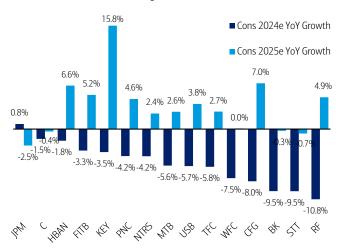


Source: BofA Global Research, Visible Alpha

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Exhibit 30: Large cap 2024e/2025e YoY NII growth: -6%/+3%

Consensus 2024e/2025e YoY NII growth

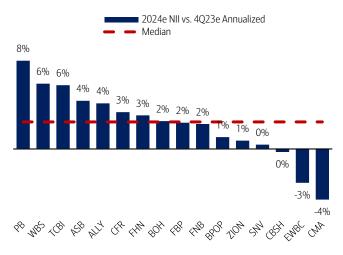


Source: BofA Global Research, Visible Alpha

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Exhibit 29: Mid-cap banks: 2024e NII vs. 4Q23 NII annualized: +2%

Consensus difference between 2024e NII vs. 4Q23 NII annualized

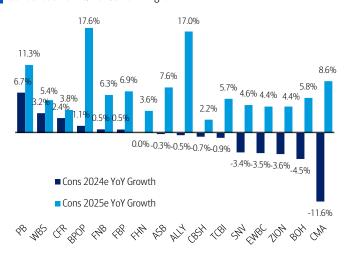


Source: BofA Global Research, Visible Alpha

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Exhibit 31: Mid cap 2024e YoY NII growth: -0.4%/+6%

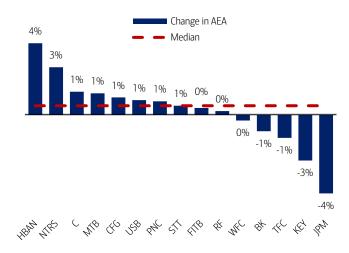
Consensus 2024e/2025e YoY NII growth



Source: BofA Global Research, Visible Alpha

Exhibit 32: Large-cap banks: Median YoY AEA growth: +0.5%

Consensus implied YoY change in AEA 4Q24e/4Q23

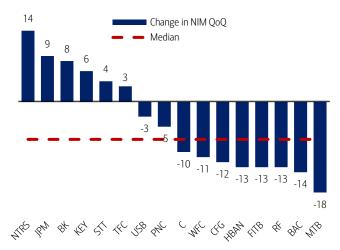


Source: BofA Global Research, company filings, Visible Alpha

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Exhibit 34: Large cap change in net interest margin: -8bp

QoQ change in NIM for large cap banks, 4Q23 vs 3Q23 (bp)

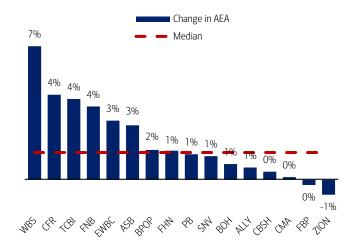


Source: BofA Global Research, company filings

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Exhibit 33: Mid-cap banks: Median YoY AEA growth: +1.4%

Consensus implied YoY change in AEA 4Q24e/4Q23

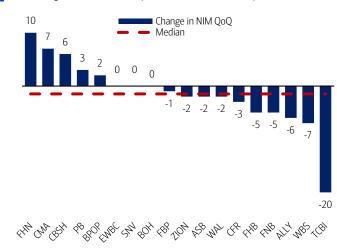


Source: BofA Global Research, company filings, Visible Alpha

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Exhibit 35: Mid cap change in net interest margin: -2bp

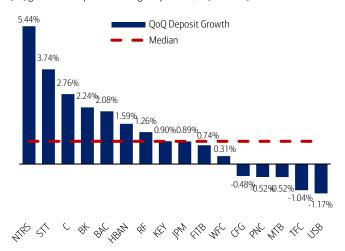
QoQ change in NIM for mid cap banks, 4Q23 vs 3Q23 (bp)



Source: BofA Global Research, company filings

Exhibit 36: Large-cap change in deposits: +0.89%

QoQ growth in deposits for large cap banks, 4Q23 vs 3Q23

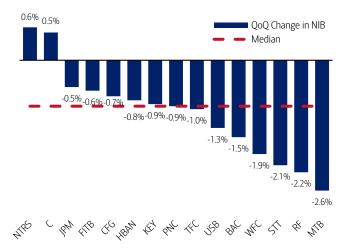


Source: BofA Global Research, company filings, SNL Financial

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Exhibit 38: Large cap change in NIB deposit mix: -0.91%

QoQ change in NIB deposit mix for large cap banks, 4Q23 vs 3Q23 (bp)

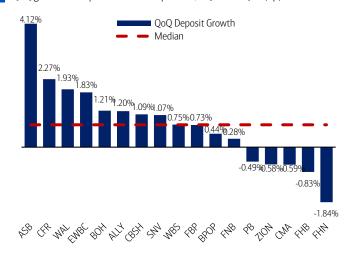


Source: BofA Global Research, company filings, SNL Financial

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Exhibit 37: Mid-cap change in deposits: +0.74%*

QoQ growth in deposits for mid cap banks, 4Q23 vs 3Q23 (bp)



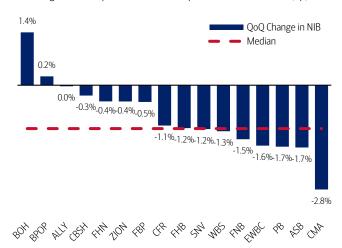
Source: BofA Global Research, company filings, SNL Financial

*Excluding TCBI, -6.31% QoQ

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Exhibit 39: Mid cap change in NIB deposit mix: -1.18%*

QoQ change in NIB deposit mix for mid cap banks, 4Q23 vs 3Q23 (bp)

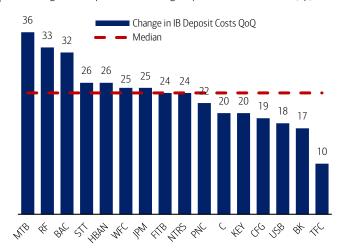


Source: BofA Global Research, company filings, SNL Financial *Excluding TCBI, -6.41% QoQ, WAL -6.90%



Exhibit 40: Large cap change in IB deposit costs: +24bp

QoQ change in IB deposit costs for large cap banks, 4Q23 vs 3Q23 (bp)

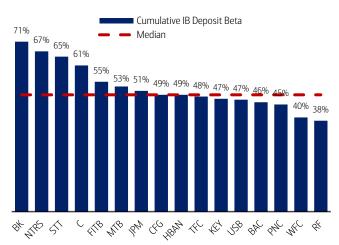


Source: BofA Global Research, company filings, SNL Financial

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Exhibit 42: Large cap interest-bearing-deposit beta: 49%

Cumulative interest-bearing deposit beta for large cap banks, as of $4\mbox{Q}23$

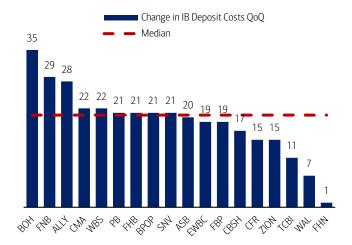


Source: BofA Global Research, company filings, SNL Financial

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Exhibit 41: Mid cap change in IB deposit costs: +21bp

QoQ change in IB deposit costs for mid cap banks, 4Q23 vs 3Q23 (bp)

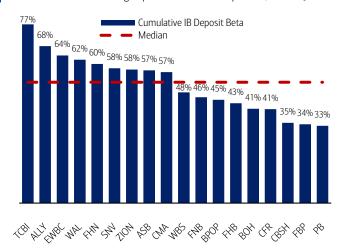


Source: BofA Global Research, company filings, SNL Financial

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Exhibit 43: Mid cap interest-bearing-deposit beta: 52%

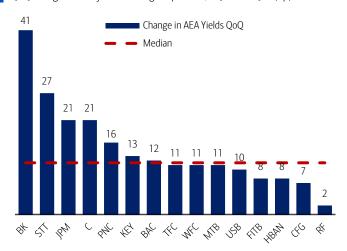
Cumulative interest-bearing deposit beta for mid cap banks, as of 4Q23



Source: BofA Global Research, company filings, SNL Financial

Exhibit 44: Large cap change in AEA yields: 12bp*

QoQ change in AEA yields for large cap banks, 4Q23 vs 3Q23 (bp)

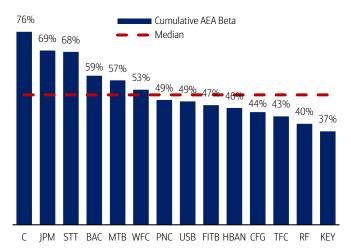


Source: BofA Global Research, company filings, SNL Financial *Excludes NTRS, +101bp QoQ

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Exhibit 46: Large cap earning asset beta: 51%*

Cumulative average earning asset beta for large cap banks, as of 4Q23

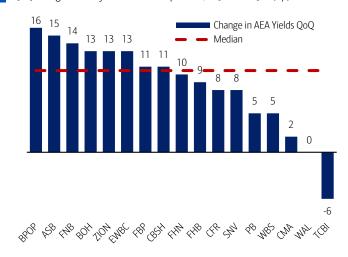


Source: BofA Global Research, company filings, SNL Financial *Excludes BK/NTRS, 113%/112% respectively

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Exhibit 45: Mid cap change in AEA yields: +11bp*

QoQ change in AEA yields for mid cap banks, 4Q23 vs 3Q23 (bp)

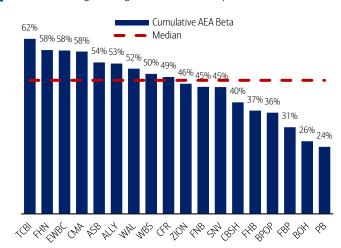


Source: BofA Global Research, company filings, SNL Financial *Excludes ALLY, +51bp QoQ

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Exhibit 47: Mid cap earning asset beta: 48%

Cumulative average earning asset beta for mid cap banks, as of 4Q23



Source: BofA Global Research, company filings, SNL Financial

Capital markets rebound debated: Investment banking fees +4% YoY, -17% vs 4Q19, trading -3% YoY, +18% vs 4Q19 levels.

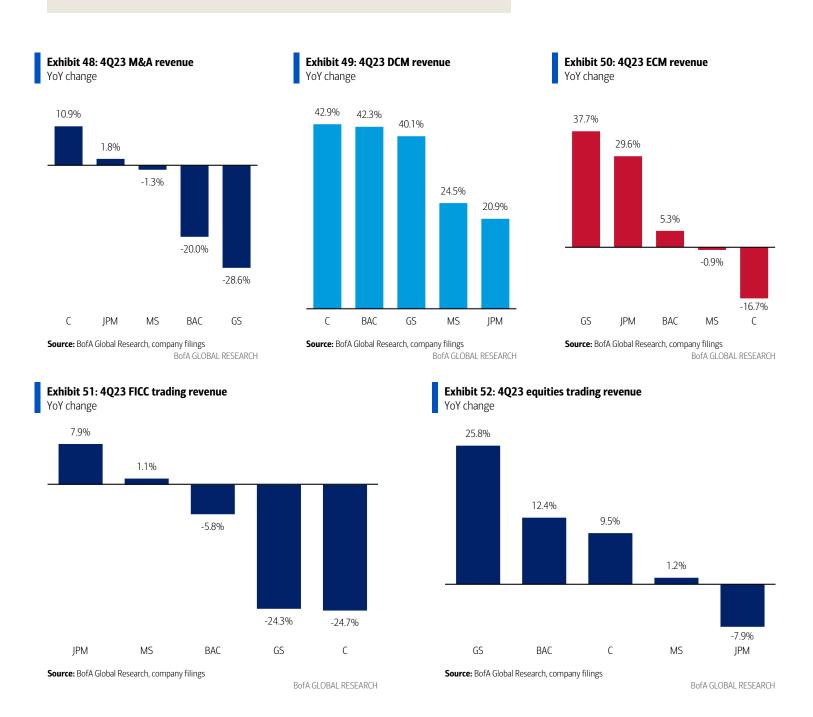
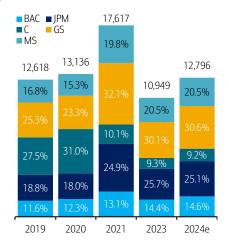




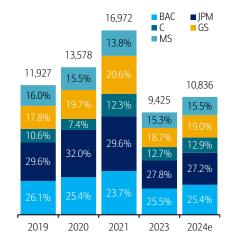
Exhibit 53: M&A revenues +17% YoY in 2024

M&A market share, reported/cons (\$bn)



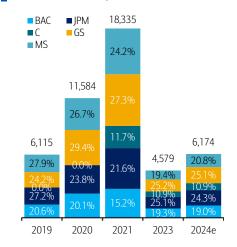
Source: BofA Global Research, company filings, Visible Alpha BofA GLOBAL RESEARCH

Exhibit 54: DCM revenues +15% YoY in 2024 DCM market share, reported/cons (\$bn)



Source: BofA Global Research, company filings, Visible Alpha BofA GLOBAL RESEARCH

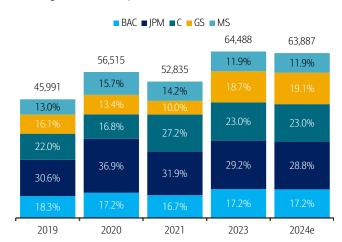
Exhibit 55: ECM revenues +35% YoY in 2024 ECM market share, reported/cons (\$bn)



Source: BofA Global Research, company filings, Visible Alpha BofA GLOBAL RESEARCH

Exhibit 56: FICC trading revenues -1% YoY in 2024

FICC trading market share, reported/cons (\$bn)

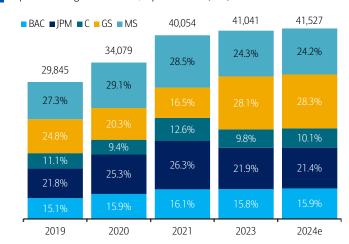


Source: BofA Global Research, company filings, Visible Alpha

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Exhibit 57: Equities trading +1% YoY in 2024

Equities trading market share, reported/cons (\$bn)

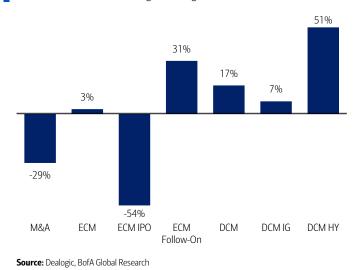


Source: BofA Global Research, company filings, Visible Alpha



Exhibit 58: ECM and DCM seeing signs of life in 1Q24

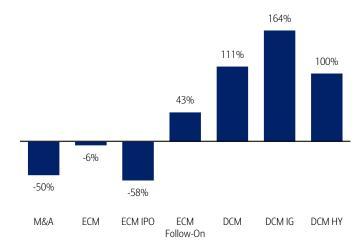
1Q24 QTD investment banking revenue growth YoY



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Exhibit 59: Investment banking activity seeing improvement QoQ

1Q24 QTD investment banking revenue growth QoQ

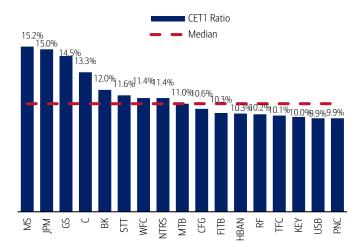


Source: Dealogic, BofA Global Research



Capital

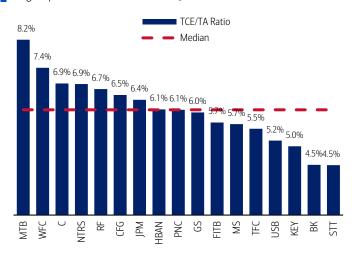
Exhibit 60: Large cap banks median CET1 ratio: +10bp QoQ to 11% Large cap banks CET1 ratios as of 4Q23



Source: BofA Global Research, company filings, SNL Financial

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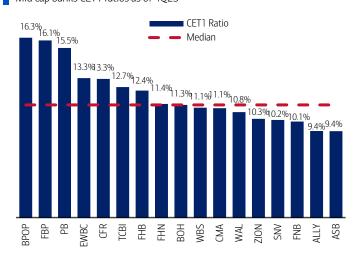
Exhibit 62: Large cap banks TCE/TA ratio: +30bp QoQ to 6.1% Large cap banks TCE/TA ratios as of 4Q23



Source: BofA Global Research, company filings, SNL Financial

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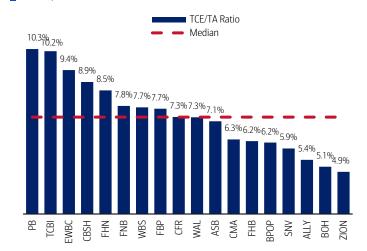
Exhibit 61: Mid cap banks median CET1 ratio: +20bp QoQ to 11.3% Mid cap banks CET1 ratios as of 4Q23



Source: BofA Global Research, company filings, SNL Financial

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Exhibit 63: Mid cap banks median TCE/TA ratio: +50bp QoQ to 7.3% Mid cap banks TCE/TA ratios as of 4Q23

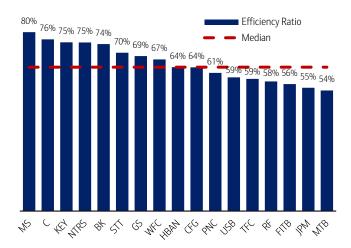


Source: BofA Global Research, company filings, SNL Financial

Expenses

Exhibit 64: Large cap banks median efficiency ratio: 64%

Large cap banks efficiency ratios as of 4Q23

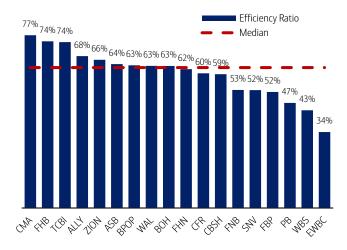


Source: BofA Global Research, company filings, SNL Financial

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Exhibit 65: Mid cap banks median efficiency ratio: 62%

Mid cap banks efficiency ratios as of 4Q23

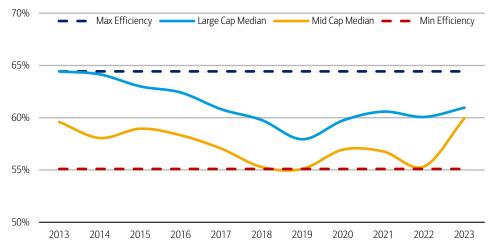


Source: BofA Global Research, company filings, SNL Financial

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Exhibit 66: All banks operating near midpoint of historical efficiency

Efficiency ratio since 2013



Source: BofA Global Research, SNL Financial



Key operating trends

Exhibit 67: Reported/consensus YoY EPS growth (%)

All groups saw EPS growth decline QoQ in 4Q23

						EPS C	Frowth \	γοΥ					4Q23	chg bp				
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	2022	2023	2024e	2025e
Mega-Caps Median	-10%	-23%	-19%	-14%	3%	3%	4%	-6%	1%	-3%	7%	16%	-1000	800	-21%	-4%	4%	11%
Large Regionals Median	-24%	-19%	-1%	10%	15%	-1%	-15%	-29%	-24%	-15%	-5%	4%	-1400	-3900	-10%	-8%	-10%	14%
SMID-Caps Median	-7%	-2%	8%	17%	9%	9%	-11%	-28%	-18%	-11%	-6%	4%	-1700	-4500	5%	-2%	-6%	9%

Source: Visible Alpha, BofA Global Research

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Exhibit 68: Reported/consensus net interest margin (%)

NIM contracted for large regionals, grew for mega-caps and SMID-caps QoQ in 4Q23

					Ne	et intere	est mar	gin (%)					4Q23	chg bp				
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	202	2023	2024e	2025e
Mega-Caps Median	1.36	1.58	1.83	2.01	2.02	2.02	1.97	2.03	2.01	1.97	1.95	1.95	6	2	1.70	2.01	1.97	1.95
Large Regionals Median	2.63	2.90	3.25	3.43	3.31	3.02	2.97	2.91	2.90	2.89	2.93	2.97	-6	-52	3.08	3.08	2.92	3.04
SMID-Caps Median	2.53	2.78	3.16	3.42	3.45	3.29	3.15	3.19	3.19	3.21	3.21	3.22	4	-23	3.02	3.28	3.21	3.27

Source: Visible Alpha, BofA Global Research

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Exhibit 69: Reported/consensus consolidated efficiency ratio (%)

Efficiency ratios rose in 4Q23 for all bank groups

					Consol	idated f	Efficien	cy Ratio	(%)				4	Q23 c	chg bp					
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	Ç	QoQ	YoY	20	22	2023	2024e	2025e
Mega-Caps Median	68.62	70.59	69.97	71.98	68.14	69.77	69.70	72.08	67.66	67.32	66.08	67.66	2	238	10	70.	01	71.57	68.72	67.40
Large Regionals Median	63.58	58.29	54.78	54.16	58.81	59.17	60.98	62.61	62.98	62.60	61.20	61.44	3	329	1100	56.	64	60.29	62.01	60.57
SMID-Caps Median	59.79	56.69	51.43	51.34	53.98	56.95	59.00	61.21	60.97	59.99	59.60	59.51	2	21	987	54.	41	57.20	60.08	59.51

Source: Visible Alpha, BofA Global Research

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Exhibit 70: Reported/consensus YoY fee income growth (%)

All banks saw fees grow YoY in 4Q23

					Y	oY Fee	Growth	ı (%)					4Q23	chg bp					
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	20	22	2023	2024e	2025e
Mega-Caps Median	-9.23	-11.57	-12.00	-16.12	-3.29	2.11	3.80	3.98	3.64	6.19	4.58	8.51	18	2010	-10	.24	0.54	7.02	4.55
Large Regionals Median	-6.94	-3.87	-8.05	-8.81	3.13	1.53	-0.23	-2.11	2.31	3.30	4.79	6.05	-188	670	-5.	12	0.58	4.09	4.61
SMID-Caps Median	0.88	1.74	-0.36	-3.33	0.18	2.99	1.95	3.68	4.26	1.34	4.14	4.12	173	701	-2.	16	2.45	3.05	4.16

Source: Visible Alpha, BofA Global Research

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Exhibit 71: Reported/consensus YoY expense growth (%)

All banks saw expense growth decrease YoY in 4Q23

					Yo	Y Exper	ise Grov	wth (%)					4Q23	chg bp				
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	202	2 2023	2024e	2025e
Mega-Caps Median	1.79	2.71	7.50	4.38	3.27	6.74	4.95	3.42	1.36	0.43	1.80	-1.94	-153	-96	5.7	5.50	0.71	2.28
Large Regionals Median	4.06	8.15	6.23	7.16	10.70	9.34	4.78	2.77	0.38	0.40	1.35	1.64	-201	-439	7.2	4 6.93	1.19	2.74
SMID-Caps Median	5.06	6.72	8.35	10.69	10.74	9.31	4.55	5.29	5.48	4.67	3.61	2.89	74	-540	7.5	6.99	4.88	3.66

Source: Visible Alpha, BofA Global Research



Exhibit 72: Reported/consensus YoY avg. loan growth (%)

YoY Avg. loan growth contracted QoQ at all banks in 4Q23, led by large regionals

					Yo۱	/ Avg. L	oan Gro	wth (%)				4Q23	chg bp				
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q24e	QoQ	YoY	202	2 20:	23 202	1e 2025e				
Mega-Caps Median	-0.78	4.33	6.42	9.06	9.55	8.53	5.33	3.79	4.32	2.47	2.62	3.95	-154	-527	6.8	6 6.4	2 5.2	5 4.75
Large Regionals Median	3.03	6.36	8.71	5.73	7.57	7.73	6.30	4.33	5.55	4.64	4.19	4.81	-197	-140	9.0	4 6.5	0 5.0	4.44
SMID-Caps Median	3.33	7.88	8.92	11.02	10.70	7.17	4.16	3.11	2.22	1.33	1.53	2.35	-105	-791	7.9	7 6.9	2 1.7	3.16

Source: Visible Alpha, BofA Global Research

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Exhibit 73: Reported/consensus YoY avg. deposit growth (%)

YoY Avg. deposit growth grew at all banks QoQ in 4Q23

					YoY	Avg. De	posit Gr	owth (%)				4Q23	chg bp				
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	202	2023	2024e	2025e
Mega-Caps Median	3.11	0.54	-2.97	-6.09	-7.75	-6.80	-4.80	-3.31	-1.92	-2.18	0.26	0.15	149	278	-2.1	-6.74	-0.90	1.67
Large Regionals Median	8.69	6.70	2.58	-1.06	-2.70	-3.88	-1.50	0.18	1.04	1.98	0.58	0.51	168	124	4.80	-0.62	0.95	1.74
SMID-Caps Median	11.24	4.28	1.96	0.15	-0.56	-4.43	-1.50	1.05	2.31	2.68	1.93	2.45	255	90	3.90	-1.93	2.80	3.20

Source: Visible Alpha, BofA Global Research

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Exhibit 74: Reported/consensus provisions as % of avg. loans

Provisions as a % of average loans grew QoQ for large regionals and mega-caps, but remained flat for SMID-caps in 4Q23

					Prov	isions a	s % of a		4Q23	chg bp								
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	2022	2023	2024e	2025e
Mega-Caps Median	0.02	0.26	0.17	0.26	0.52	0.38	0.28	0.53	0.34	0.35	0.35	0.33	9	11	0.15	0.26	0.10	0.10
Large Regionals Median	-0.01	0.25	0.37	0.49	0.44	0.47	0.42	0.44	0.47	0.49	0.48	0.48	2	-5	0.27	0.44	0.49	0.44
SMID-Caps Median	-0.05	0.13	0.24	0.32	0.28	0.24	0.29	0.29	0.33	0.36	0.36	0.36	0	-3	0.18	0.27	0.36	0.33

Source: Visible Alpha, BofA Global Research

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Exhibit 75: Reported/consensus common equity tier 1 ratio (%)

CET1 ratios increased in 4Q23 for large regionals and mega-caps, but fell for SMID-caps QoQ

					Comm	ion Equ	ity Tier	1 Ratio		4Q2	3 chg bp							
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	2022	2023	2024e	2025e
Mega-Caps Median	11.98	12.29	12.40	12.88	12.21	12.75	12.86	13.04	13.10	13.32	13.43	13.44	18	16	12.88	13.00	13.44	13.16
Large Regionals Median	9.74	9.56	9.30	9.32	9.41	9.70	9.98	10.23	10.24	10.37	10.47	10.61	25	91	9.32	10.23	10.57	10.65
SMID-Caps Median	11.67	11.37	11.25	11.37	11.43	11.56	11.75	11.40	11.26	11.26	11.30	11.33	-35	3	11.37	11.88	11.87	12.07

Source: Visible Alpha, BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 76: Reported/consensus YoY dividend growth (%)

QoQ Dividend growth was mixed among the groups in 4Q23

					Yo	Y Divide	end Gro	wth (%)					4Q23	chg bp				
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	2022	2023	2024e	2025e
Mega-Caps Median	10.39	10.39	9.67	9.67	9.67	9.67	9.60	9.60	9.54	10.10	6.28	6.33	0	-7	9.66	10.08	7.76	5.86
Large Regionals Median	8.89	9.31	8.11	7.79	7.79	6.41	1.67	1.04	1.48	1.57	3.02	2.82	-63	-675	7.17	3.90	2.04	2.86
SMID-Caps Median	4.48	4.48	2.86	3.03	2.86	2.86	0.00	1.82	1.71	1.82	2.14	2.38	182	-121	5.59	2.33	2.08	2.52

Source: Visible Alpha, BofA Global Research

Exhibit 77: Reported/consensus YoY risk-weighted asset (RWA) growth (%)

RWA growth contracted at all size banks QoQ in 4Q23

		3 1.60 -0.29 0.33 -0.59 -0.79 0.85 0.15 0.40 0.54 0.04 2.19 1 12.13 13.05 11.58 9.60 4.35 1.28 -2.40 -2.93 -1.75 -0.49 1.36								4Q23	chg bp								
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY		2022	2023	2024e	2025e
Mega-Caps Median	3.73	1.60	-0.29	0.33	-0.59	-0.79	0.85	0.15	0.40	0.54	0.04	2.19	-70	-18		0.33	0.15	2.19	4.15
Large Regionals Median	9.71	12.13	13.05	11.58	9.60	4.35	1.28	-2.40	-2.93	-1.75	-0.49	1.36	-368	-1398	1	11.58	-2.40	1.18	3.01
SMID-Caps Median	9.49	12.54	12.29	12.40	9.94	6.70	4.54	1.80	1.14	0.96	2.82	2.79	-274	-1060	1	12.40	1.80	2.79	3.75

Source: Visible Alpha, BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 78: Reported/consensus consolidated tax rate (%)

Consolidated tax rates increased in 4Q23 for mega-caps and smid-regionals, but fell at large regionals YoY

		77 20.04 21.13 19.26 20.67 20.79 21.82 22.23 21.58 22.34 22.51 22.								4Q23	chg bp							
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	202	2 2023	2024e	2025e
Mega-Caps Median	18.77	20.04	21.13	19.26	20.67	20.79	21.82	22.23	21.58	22.34	22.51	22.42	41	297	19.2	9 21.52	22.18	22.18
Large Regionals Median	20.24	22.59	22.81	21.43	20.66	21.35	21.06	18.31	21.38	21.35	21.26	21.27	-275	-312	21.9	1 20.67	21.30	21.30
SMID-Caps Median	22.36	23.68	23.13	21.21	23.81			23.48		23.16	23.15	23.15	-17	227	22.2	0 23.07	23.15	23.22

Source: Visible Alpha, BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 79: Reported/consensus return on average assets (%)

ROA fell at all banks YoY in 4Q23

		0.81 0.95 0.98 0.88 1.01 0.90 0.90 0.80 0.88 0.89 0.8 1.11 1.20 1.25 1.09 1.02 1.01 0.88 0.83 0.88 0.89 0.9								4Q23	chg bp							
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	2022	2023	2024e	2025e
Mega-Caps Median	0.80	0.81	0.95	0.98	0.88	1.01	0.90	0.90	0.80	0.88	0.89	0.89	0	-8	0.88	0.91	0.87	0.93
Large Regionals Median	0.98	1.11	1.20	1.25	1.09	1.02	1.01	0.88	0.83	0.88	0.89	0.94	-13	-37	1.14	1.03	0.88	0.99
SMID-Caps Median	1.07	1.12	1.29	1.46	1.31	1.13	1.04	1.02	1.02	1.03	1.04	1.04	-2	-44	1.17	1.14	1.04	1.13

Source: Visible Alpha, BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 80: Reported/consensus return on tangible common equity (%)

All banks saw a drop in ROTCE in 4Q23

		56 14.90 15.64 10.52 14.52 13.45 14.76 8.66 13.56 15.17 13.88 13							4Q23	chg bp								
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	2022	2023	2024e	2025e
Mega-Caps Median	15.56	14.90	15.64	10.52	14.52	13.45	14.76	8.66	13.56	15.17	13.88	13.52	-610	-186	14.45	12.93	13.79	14.23
Large Regionals Median	14.66	17.80	21.13	23.57	20.91	17.90	17.36	8.75	14.21	13.97	14.26	14.11	-861	-1482	17.72	16.19	14.10	14.82
SMID-Caps Median	14.99	17.10	19.97	23.25	19.32	18.15	15.65	12.64	14.25	14.13	13.86	13.76	-301	-1061	18.52	16.31	14.01	13.92

Source: Visible Alpha, BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 81: Reported/consensus YoY pre-provision net revenue (%)

PPNR growth fell meaningfully in 4Q23 for all

		-6.7 -1.0 -0.7 12.7 -4.2 -0.2 -3.9 -6.0 -6.4 2.4 28								4Q23	chg bp							
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	202	2023	2024e	2025e
Mega-Caps Median	-12.7	-6.7	-1.0	-0.7	12.7	-4.2	-0.2	-3.9	-6.0	-6.4	2.4	28.9	-370	-324	2.36	-9.12	3.13	5.23
Large Regionals Median	-6.1	8.0	27.4	35.4	39.2	2.8	-12.2	-18.8	-19.7	-9.9	-2.4	2.9	-660	-5421	17.4	5 -3.41	-5.69	8.31
SMID-Caps Median	-2.3	8.7	20.6	26.7	36.3	10.2	-8.5	-19.1	-12.8	-6.8	-2.3	6.0	-1056	-4577	12.5	0.45	-4.71	7.75

Source: Visible Alpha, BofA Global Research



Exhibit 82: Reported/consensus tangible common equity/tangible assets (%)

TCE/TA fell in 4Q23 at mega-caps, rose at large regionals and SMID-caps QoQ

		2 6.11 6.22 6.27 6.25 6.18 6.17 6.06 6.72 6.81 6.82 6.8 7 5.80 4.98 5.03 5.48 5.26 5.11 5.93 6.03 6.19 6.31 6.4								4Q23	chg bp							
	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23	1Q24e	2Q24e	3Q24e	4Q24e	QoQ	YoY	202	2023	2024e	2025e
Mega-Caps Median	6.02	6.11	6.22	6.27	6.25	6.18	6.17	6.06	6.72	6.81	6.82	6.85	-11	-21	5.94	6.10	6.86	6.85
Large Regionals Median	6.27	5.80	4.98	5.03	5.48	5.26	5.11	5.93	6.03	6.19	6.31	6.42	82	90	5.03	5.79	6.40	6.83
SMID-Caps Median	6.99	6.89	6.59	6.89	7.08	7.01	6.86	7.41	7.37	7.51	7.65	7.78	55	52	6.89	7.41	7.77	8.56

Source: Visible Alpha, BofA Global Research

BofA GLOBAL RESEARCH

Acronyms

NII: Net interest income

NIM: Net interest margin

EPS: Earnings per share

NPL: non-performing loans

LLR: loan loss reserve

ECM: equity capital markets

M&A: mergers and acquisitions

DCM: debt capital markets

CCAR: comprehensive capital analysis and review

AOCI: accumulated other comprehensive income

BOE: bank of England

BoC: bank of Canada

PPNR: pre-provision net revenue

ROA: return on assets

ROTCE: return on tangible common equity

EOP: end of period

TCE/TA: tangible common equity/tangible assets

RWA: risk-weighted assets

CET1: common equity tier 1

AEA: average earning assets

FF: federal funds (rate)

NCOs: net charge-offs

NPR: notice of proposed rulemaking

SCB: stress capital buffer

ROCE: return on common equity

NIB: non-interest-bearing

HFI: held for investment

CMBS: commercial mortgage-backed securities



HY: high yield

IG: investment grade

Exhibit 83: Stocks mentioned

Prices and ratings for stocks mentioned in this report

BofA Ticker	Bloomberg ticker	Company name	Price	Rating
BK	BK US	BNY Mellon	US\$ 55.33	C-1-7
FITB	FITB US	Fifth Third Bank	US\$ 34.86	B-1-7
KEY	KEY US	KeyCorp	US\$ 14.67	C-1-8
MTB	MTB US	M&T Bank	US\$ 141.52	B-1-7
TFC	TFC US	Truist Financial	US\$ 37.84	B-1-7
USB	USB US	U.S. Bancorp	US\$ 42.64	B-1-7
Source: BofA Global	Research	·		

BofA GLOBAL RESEARCH

Price objective basis & risk

Fifth Third Bank (FITB)

Our \$40 PO is based on a 50%/50% weighting between our 2024e EPS and 2024e TBV. We assign 13.5x/2.0x multiples, respectively, above the bank's 5 year pre pandemic median of 12.0x/1.4x given favorable EPS/ROTCE outlooks.

Downside risks to our PO: slower-than-guided loan growth on weaker economic activity, and/or a deterioration in credit quality.

Upside risks to our PO are a better-than-expected improvement in the macro environment, stronger-than-anticipated balance sheet growth, and/or better expense management.

KeyCorp (KEY)

Our \$16 PO is based on a 50%/50% weighting between our 2024e EPS and 2024e TBV. We assign 15.0x/1.5x multiples, respectively, above the bank's 5 year pre pandemic median of 11.9x/1.4x given expected tailwinds from asset repricing, owing to the macro backdrop. Downside risks to our PO: higher for longer interest rate environment increasing deposit costs, greater than expected expenses, inability to maximize balance sheet efficiency, and the announcement of expensive deals. Upside risks: lower than expected credit losses and better than expected PPNR growth.

M&T Bank (MTB)

Our \$157 PO is based on a 50%/50% weighting between our 2024e EPS and 2024e TBV. We assign 11.5x/1.5x multiples, respectively, below the bank's 5 year pre pandemic median of 14.7x/2.2x given heightened uncertainty surrounding EPS/ROTCE outlooks, owing to the macro backdrop. Downside risks to our PO: a significant deterioration in the CRE market beyond office that would weigh on credit quality, higher funding costs that would squeeze the net interest margin, and rising regulatory burden. Upside risks: stronger growth, lower funding costs, opportunistic M&A.

The Bank of New York Mellon Corporation (BK)

Our \$64 PO is based on 50%/50% weighting between our 2024e EPS and 2024e TBV. We assign 13.8x/2.0x multiples respectively, in-line/below the bank's 5 year pre pandemic median of 13.4x/3.1x given heightened uncertainty surrounding EPS/ROTCE outlooks, owing to uncertainty surrounding the outlook for interest rates and equity/bond prices.

Risk to the upside is stronger equity/bond markets. Risks to the downside are a severe selloff in equity/bond markets that that could put downward pressure on fee growth and M&A that could temper capital return.



Truist Financial (TFC)

Our \$45 PO is based on 50%/50% weighting between our 2024e EPS and 2024e TBV. We assign 13.5x/1.8x multiples respectively, in-line with the bank's 5 year pre pandemic median of 13.2x/2.2x given reduced uncertainty surrounding EPS/ROTCE outlooks, owing to the macro backdrop.

Downside risks to our PO: higher than expected credit losses, greater than expected revenue pressure, regulatory changes that would impact growth/profitability, execution risk tied to STI/BBT merger of equals that completed in December 2019.

U.S. Bancorp (USB)

Our \$49 PO is based on 50%/50% weighting between our 2024e EPS and 2024e TBV. We assign 13.0x/2.2x multiples respectively, below the bank's 5 year pre pandemic median of 13.3x/2.5x given heightened uncertainty surrounding EPS/ROTCE outlooks, owing to the macro backdrop.

Downside risks to our PO: higher than expected credit losses, greater than expected revenue pressure, regulatory changes that would impact growth/profitability, not fully realizing synergies expected with the acquisition of Union Bank.

Analyst Certification

I, Ebrahim H. Poonawala, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.



North America - Banks Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Ares Capital Corporation	ARCC	ARCC US	Derek Hewett
	Ares Commercial Real Estate Corporation	ACRE	ACRE US	Derek Hewett
	Bank of Montreal	BMO	BMO US	Ebrahim H. Poonawala
	Bank of Montreal	YBMO	BMO CN	Ebrahim H. Poonawala
	Barings BDC Inc	BBDC	BBDC US	Derek Hewett
	Blackstone Mortgage Trust Inc	BXMT	BXMT US	Derek Hewett
	Blue Owl Capital Corporation	OBDC	OBDC US	Derek Hewett
	Carlyle Secured Lending Inc	CGBD	CGBD US	Derek Hewett
		СОВВ	CUS	Ebrahim H. Poonawala
	Citigroup Inc.			
	Compass Diversified Holdings	CODI	CODIUS	Derek Hewett
	Crescent Capital BDC	CCAP	CCAP US	Derek Hewett
	Cullen/Frost Bankers Inc	CFR	CFR US	Ebrahim H. Poonawala
	East West Bancorp, Incorporated	EWBC	EWBC US	Ebrahim H. Poonawala
	Fifth Third Bank	FITB	FITB US	Ebrahim H. Poonawala
	First Bancorp Puerto Rico	FBP	FBP US	Brandon Berman
	First Horizon Corporation	FHN	FHN US	Ebrahim H. Poonawala
	FNB Corporation of Pennsylvania	FNB	FNB US	Brandon Berman
	Goldman Sachs	GS	GS US	Ebrahim H. Poonawala
		JPM	JPM US	Fbrahim H. Poonawala
	JPMorgan Chase & Co.			
	KeyCorp	KEY	KEY US	Ebrahim H. Poonawala
	M&T Bank	MTB	MTB US	Ebrahim H. Poonawala
	Morgan Stanley	MS	MS US	Ebrahim H. Poonawala
	New Mountain Finance Corporation	NMFC	NMFC US	Derek Hewett
	New York Community Bancorp	NYCB	NYCB US	Ebrahim H. Poonawala
	Northern Trust Corporation	NTRS	NTRS US	Ebrahim H. Poonawala
	Royal Bank of Canada	RY	RY US	Fbrahim H. Poonawala
	Royal Bank of Canada	YRY	RY CN	Ebrahim H. Poonawala
	Safehold, Inc	SAFE	SAFE US	Derek Hewett
				Derek Hewett
	Sixth Street Specialty Lending, Inc	TSLX	TSLX US	
	Starwood Property Trust	STWD	STWD US	Derek Hewett
	Synovus Financial Corp.	SNV	SNV US	Ebrahim H. Poonawala
	The Bank of New York Mellon Corporation	BK	BK US	Ebrahim H. Poonawala
	Truist Financial	TFC	TFC US	Ebrahim H. Poonawala
	U.S. Bancorp	USB	USB US	Ebrahim H. Poonawala
	Webster Financial Corp.	WBS	WBS US	Brandon Berman
	Wells Fargo & Company	WFC	WFC US	Ebrahim H. Poonawala
	Western Alliance Bancorp	WAL	WALUS	Ebrahim H. Poonawala
	Western Amarice Barreorp	WAL	WALOS	Ediamini i. i donawala
EUTRAL				
	AGNC Investment Corp	AGNC	AGNC US	Derek Hewett
	Ally Financial	ALLY	ALLY US	Brandon Berman
	Annaly Capital Management	NLY	NLY US	Derek Hewett
	Apollo Commercial Real Estate Finance	ARI	ARI US	Derek Hewett
	Associated Banc-Corp	ASB	ASB US	Brandon Berman
	·	BCSF	BCSF US	Derek Hewett
	Bain Capital Specialty Finance, Inc.			
	Bank of Nova Scotia	YBNS	BNS CN	Ebrahim H. Poonawala
	Bank of Nova Scotia	BNS	BNS US	Ebrahim H. Poonawala
	Blackstone Secured Lending Fund	BXSL	BXSL US	Derek Hewett
	BrightSpire Capital Inc.	BRSP	BRSP US	Derek Hewett
	Canadian Imperial Bank of Commerce	CM	CM US	Ebrahim H. Poonawala
	Canadian Imperial Bank of Commerce	YCM	CM CN	Ebrahim H. Poonawala
	Citizens Financial Group	CFG	CFG US	Ebrahim H. Poonawala
	Comerica Incorporated	CMA	CMA US	Brandon Berman
	Commerce Bancshares Inc.	CBSH	CBSH US	Brandon Berman
	Goldman Sachs BDC, Inc.	GSBD	GSBD US	Derek Hewett
	Golub Capital BDC, Inc.	GBDC	GBDC US	Derek Hewett
	Huntington Bancshares Inc.	HBAN	HBAN US	Ebrahim H. Poonawala
	Ladder Capital Corp	LADR	LADR US	Derek Hewett
	PennyMac Mortgage Investment Trust	PMT	PMT US	Derek Hewett
	Popular Inc	BPOP	BPOP US	Brandon Berman
		RF	RF US	Ebrahim H. Poonawala
	Regions Financial			
	The PNC Financial Services Group, Inc.	PNC	PNC US	Ebrahim H. Poonawala
	Toronto-Dominion Bank	TD	TD US	Ebrahim H. Poonawala
	Toronto-Dominion Bank	YTD	TD CN	Ebrahim H. Poonawala



North America - Banks Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
	TPG RE Finance Trust, Inc.	TRTX	TRTX US	Derek Hewett
UNDERPERFORM				
	Bank of Hawaii Corp.	ВОН	BOH US	Brandon Berman
	First Hawaiian Inc.	FHB	FHB US	Brandon Berman
	Guild Holdings Company	GHLD	GHLD US	Derek Hewett
	Invesco Mortgage Capital, Inc.	IVR	IVR US	Derek Hewett
	loanDepot Inc	LDI	LDI US	Derek Hewett
	MidCap Financial Investment Co	MFIC	MFIC US	Derek Hewett
	Prosperity Bancshares Inc	PB	PB US	Ebrahim H. Poonawala
	State Street Corporation	STT	STT US	Ebrahim H. Poonawala
	Texas Capital Bancshares Inc.	TCBI	TCBI US	Brandon Berman
	Zions Bancorp	ZION	ZION US	Brandon Berman

Disclosures

Important Disclosures

Equity Investment Rating Distribution: Banks Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	100	49.75%	Buy	84	84.00%
Hold	54	26.87%	Hold	41	75.93%
Sell	47	23.38%	Sell	35	74.47%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating Total return expectation (within 12-month period of date of initial rating) Buy Total return expectation (within 12-month period of date of initial rating) ≥ 10% Ratings dispersion guidelines for coverage cluster^{R2} ≤ 70%

 Buy
 ≥ 10%
 ≤ 70%

 Neutral
 ≥ 0%
 ≤ 30%

 Underperform
 N/A
 ≥ 20%

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

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ownership position on the last day of the previous month. Reports issued before the 9th day of a month reflect the ownership position at the end of the second month preceding the date of the report: Fifth Third, KeyCorp, M&T Bank, Truist Financial, U.S. Bancorp.

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