

Canadian Banks

1Q24 Preview: Micro vs. Macro

Price Objective Change

Stagflation risks persist

We remain concerned about the risks posed by higher for longer interest rates to the growth and credit quality outlooks for the banks. The 5yr govt bond yield – key benchmark for mortgage pricing (~45% of loans), is above the levels it was trading at in late November, when banks reported 4Q results (~300bp above 2019-2021 avg). While this is unlikely to alter mgmt. FY24 outlooks relative to prior guidance, higher rates could serve as an overhang on stock valuations as the Street discounts potential downside EPS risks. The problem could get worse if the job market deteriorates. BofA Economics team forecasts unemployment rate: 6.5% by YE24 vs. 5.8% currently; 5.7% pre-pandemic.

1Q24 EPS growth: -12% YoY

1Q24 results and forward EPS revisions should benefit from better-than-expected net interest margin expansion. Credit costs (PCLs) to hold within mgmt. guidance, seen as peaking in mid-to-late 2024. US commercial real estate (CRE) exposures (Exhibit 35) likely to put upward pressure on credit losses. Investors will be watching for whether mgmt. teams end the discount on DRIPs (RY, BMO, CM, BNS). Given heightened macro uncertainties, clear messaging on pre-tax pre-provision (PTPP), capital management will likely be rewarded. Turn to page 2 for discussion on EPS revisions; See exhibits 3-7 for recent mgmt. commentary on operating trends.

Investors not positioned for shocks

The TSX bank index has given up \sim 50% of its gains clocked since late November (peaked 01/08) as the market continues to recalibrate the outlook for interest rates. Our recent investor conversations indicate general comfort around EPS outlooks and capital levels, keeping investors in their positions. Not surprisingly, we sense no urgency among Canadian or foreign investors to add exposure to the group. Stocks trading at 10.4x 2024e P/E vs. 10.8x pre-pandemic avg. and 1.4 YE24e P/B (vs. 2024 ROE forecast of 12%) vs. 1.7x P/B (14.6%). Consensus 2024e EPS -5% since (10/31). While growth outlook risk somewhat discounted, worse than expected credit losses are not.

RY/BMO still favored, bar lowest for BNS

RY: Focus on updated PTPP outlook given upcoming close of HSBC Canada (late March). Street in need of visibility on timing of deal driven expense savings given the "close and convert" of tech stack on day one post-close. BMO: NII resiliency (particularly in the US), and deal synergies from Bank of the West needed to keep investors interested given an otherwise tough revenue growth backdrop. BNS: Another quarter of margin expansion while investors await lift to EPS/NIM from BoC rate-cuts will likely be viewed as a positive. TD: An update on US regulatory issues (potential settlement with the DOJ) being watched, mgmt. continues to execute on buybacks. We revise TD PO to \$86 from \$88 on EPS revisions tied to outlook for higher expense growth. CM: US CRE losses and outlook beyond office CRE in focus. Margin expansion, capital build, expense discipline should be positives.

Relevant research: <u>Canadian Banks: Earnings & Beyond: Declining rates should increase</u> investment appeal 18 December 2023

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Refer to important disclosures on page 21 to 24. Analyst Certification on page 19. Price Objective Basis/Risk on page 18.

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Exhibit 1: 1Q24 earnings calendar

Earnings start on 2/27 with BNS reporting

Ticker	Date	Earnings call
BNS	2/27	7:15am ET
ВМО	2/27	8:15am ET
RY	2/28	8:00am ET
CM	2/29	7:30am ET
TD	2/29	8:30am ET

Source: BofA Global Research, company reports

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Exhibit 2: 1Q24 EPS estimates

We are 3% below consensus

			BofA	Consensus	Dividend
			1Q24e		
Ticker	Rating	PO	EPS	1Q24e EPS	Yield
вмо	Buy	\$145	\$3.01	\$3.09	4.9%
BNS	Neutral	\$67	\$1.61	\$1.62	6.7%
СМ	Neutral	\$66	\$1.64	\$1.69	6.0%
RY	Buy	\$146	\$2.71	\$2.84	4.3%
TD	Neutral	\$86	\$1.85	\$1.95	5.2%

Source: BofA Global Research, Bloomberg

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PCL: Provision for credit losses

CET1: Common equity tier 1 capital

Royal (RY): Deal synergies in focus

We nudge our 1Q24e to \$2.71 (from \$2.67) or -13% YoY; FY24e to \$11.22 (from \$11.24) or -1%. Our forecast assumes HSBC Canada close end of March 2024 (systems conversion over the long weekend). We note that the capital markets segment had a net tax benefit during FY23 which we forecast will swing to a 15% tax charge for FY24, optically serving as a drag to net income and EPS growth. Net interest margin (NIM) expansion should continue with the full quarter impact from the City National bond book restructuring driving segment margin higher. We note that City National NIM expansion of +29bp (to 2.78%) QoQ included only 1 quarter benefit of the bond restructuring implying potential for upside vs our forecast for wealth NIM +25bp 1Q24/4Q23. We also expect the NIM for Canadian P&C segment to expand on back book repricing and more tempered deposit pricing competition.

Our FY24 expense forecast of \$32bn includes ~\$470mn of net HSBC related costs (not including merger charges). We see potential for expenses to track better than our forecast as mgmt's guidance for low to mid-single digits growth on a core expense base of \$30bn would imply FY24 expenses in the \$31bn +/- range. Visibility on expense outlook with HSBC's additions and timing for achieving 100% of the cost savings will be important in driving EPS revisions post 1Q results. Recall, at deal announcement mgmt. outlined expectations for realizing 20% of the \$740mn in annualized savings in year 1 and 95% in year 2 (our estimates assume 50%/100%). However, since then mgmt. has highlighted the "close and convert" on day one, suggesting to us (and investors) that the savings could accrue at a much faster timeline. Royal should also begin to realize the benefit of restructuring actions taken in 2024, leading to ~\$200mn reduction in Canadian banking run-rate expenses.

RBC likely needs visibility on organic capital generation following the close of HSBC Canada before ending the discount on the Dividend Reinvestment Plan (DRIP). Based on our expectation for HSBC Canada to decrease capital by 230-250bp on close, we anticipate that Royal should remain comfortably above regulatory minimums with a CET1 capital ratio of 12.5%+ vs. 11.5% regulatory minimum and 14.50% as of YE23. We assume that the DRIP issuance ends in 2Q24. We assume buybacks for FY25/26 mainly to account for the significant capital generation. If history is any guide we anticipate that RY could be active on the M&A front (acquired UK based wealth manager Brewin Dolphin in 2022, followed by HSBC Canada).

We forecast PCLS of 39bp of average loans FY24 (36bp 1Q24, +3bp QoQ). While Canadian consumers have so far absorbed the impact of higher interest rates and a rising unemployment rate (UE rate), we note that the unemployment rate is now at its highest level (5.77% at 12/31) since early 2019 (excluding the pandemic). Mgmt. guide calls for 30-35bp of provisions on impaired loans for FY24, implying a sizeable increase from 4Q23 run-rate (25bp). We forecast 32bp tied to impaired PCLs for FY24 (vs. 22bp/27bp FY23/19) and 7bp tied to performing PCLs (vs. 8bp/3bp).



Exhibit 3: RY Tear SheetManagement outlook / commentary

Revenue	
Net interest margin	Canadian banking: NIM has not peaked. CNB: Expect NIM to continue moving higher because of 4Q23 B/S actions. RBC Conference: Still looking for NIM expansion despite continued deposit repricing.
Provisions/Credit quality	Higher interest rates and unemployment are now the primary drivers of credit outcomes. Expect impaired PCLs 30-35bp FY24, with PCLs peaking late in 2024 or early in 2025.
Expenses	All bank core expense growth of the low-to-mid single digits (ex. HSBC Canada) FY24. Canadian banking: +1-2% operating leverage FY24. Anticipate that 2023 restructuring will take ~\$200mn out of Canadian banking expense run rate.
Tax Rate	All-bank tax rate of 19-21%
Operating leverage	Expect +1-2% operating leverage in Canadian banking.
Loans	High rates are preventing projects from moving forward, muting loan growth.
Deposits	Continued but slow mix shift from NIB to IB deposits. RBC Conference: Stiffer competition for deposits.
Capital	Expect that CET1 will remain comfortably above the 11.5% minimum following the close of the HSBC Canada acquisition.
Buybacks	Will revisit the DRIP & the reintroduction of share buybacks beginning in the second half of 2024.
M&A	Remain confident in HSBC expense synergies of ~\$740mn, with the majority in 2025.

Source: BofA Global Research, Bloomberg, Company filings



TD Bank (TD): Margin, US regulatory issues in focus

We revise 1Q24e to \$1.85 (from \$1.92) or -17% YoY and FY24e to \$7.18 (from \$7.45) or -9% YoY to reflect impact from the adoption of IFRS-17, updated contribution from Schwab and expense growth tied to BSA/AML. We forecast NIM stability at the all-bank level (1.76%, +2bp QoQ), driven by modest expansion in Canadian P&C (2.80%, +2bp QoQ), and US Retail (3.09%, +2bp QoQ) as we expect that margin pressures (continued deposit mix shift, repricing) to be mitigated by loan growth, back book repricing. Our forecast assumes mortgage growth of +2%/+10% 1Q24e/FY24e as TD looks to gain market share and execute on mgmt's strategy outlined at last year's investor day.

Street will be watching for any updates on the ongoing DOJ investigation in TD's BSA/AML practices in the US bank. While unlikely we get much visibility from management on the remediation plan (how long it will take), investors expect that similar to peers over the years, TD could announce a financial settlement with the DOJ, US banking regulators as it looks to address regulatory concerns. We forecast FY24e expenses of \$28bn, +7% YoY because of higher corporate expenses (\$770mn quarterly average FY24) driven by compliance related investments considering the ongoing BSA/AML investigation by US regulators.

Unique among peers, TD remains active in executing its buyback program (20mn shares as of 1/31), implying the bank has ~50mn shares remaining of its original 90mn share authorization (38mn repurchased 4Q23). We forecast continued buybacks (20mn/qtr FY24e average), implying 100%+ payout FY24e

Exhibit 4: TD Tear Sheet

Management outlook / commentary

Toronto-Dominion Bar	nk Notes
Revenue	Expect that adjusted net losses in the corporate segment will increase to CAD\$200-250mn, driven by compliance investments. 2Q/3Q23 wealth fee income more reflective of a go forward run-rate.
Net interest margin	Believe that all-bank NIM will remain stable in 2024. Canada / US segment NIM also expected to remain relatively stable. 1Q24 US NIM to be driven by same margin dynamics that played out in 4Q23.
Provisions/Credit quality	Normalized PCL range for TD is 40-50bp. Expect FY24 PCLs of 40-50bp.
Expenses	Fourth quarter expenses included a CAD\$363mn restructuring charge. Expect a similar amount in 1H24. Anticipate that adjusted expense growth will come in the mid-single digits for 2024. Will recognize an FDIC special assessment charge of ~US\$300mn in 1Q24.
Efficiency	Believe that the efficiency ratio will improve over time.
Tax Rate	Anticipate US Retail tax rate higher than 20% for US in 1 Q24.
Operating leverage	Target positive operating leverage over the medium-term.
EPS	Will be challenging for the bank to meet the medium-term EPS growth target of +7-10%.
Mortgages	TD focused on growing mortgages after branch closure during the pandemic led to underperformance in this product.
Capital	Expect that the implementation of FRTB in the first quarter will have a -15bp impact on capital.
Buybacks	Still plan to use 90mn share buyback authorization within 1 year.

Source: BofA Global Research, Bloomberg, Company filings



BMO (BMO): EPS defensibility amid slowing growth

We revise 1Q24e to \$3.01 (from \$3.16) or -2% YoY and FY24e to \$11.90 (from \$12.18) or +1% YoY. Mgmt. has set expectations for a weak 1Q driven by margin pressures, impact from the sale of the RV loan portfolio, seasonal expenses – all of which combined are expected to drive negative operating leverage on a YoY basis. Mgmt. has guided for a return to positive operating leverage starting 2Q24. On the \$7.2bn in RV loan sale, we note that these have been securitized and added back on the balance sheet as investment securities (~\$6.4bn). Net impact should be lower yield/net interest income, but accretive to CET1 capital (mid-teens). Investment banking activity seems relatively muted on YoY basis per Dealogic data.

We forecast the core net interest margin to dip during 1Q24 before rebounding modestly later in the year. The dynamic of deposit pricing pressures in the US combined with moderating loan growth could potentially have an outsized impact to BMO's near term NIM/EPS outlooks owing to its much larger US footprint (contributes \sim 45% to earnings). Mgmt. has outlined expectations for the core NIM to end 2024 within 5bp +/relative to 4Q23 levels.

We believe that it will be important for investors to gain comfort that the expense synergies from Bank of the West (BOTW; \$800mn by early 2Q24) combined with savings tied to restructuring actions taken last year can mitigate revenue headwinds due to unforeseen margin pressures and weaker loan growth (guide for consolidated loan growth in the mid-single digits range for FY24). We forecast FY24 expense growth of 3.5% YoY.

We expect BMO to operate at a 12.5%+ CET1 capital ratio and assume that the discount on the DRIP will be terminated by 2Q24. 1Q24 likely to see hit to the CET1 ratio from adoption of IFRS-17 accounting standards (< 5bp negative impact), mitigated by the sale of the RV portfolio (mid-teens basis points boost). While management has previously suggested that future regulatory actions (next DSB decision June 2024) could influence the timing of end to the DRIP, we note that our forecast suggests BMO would remain compliant with regulatory minimums despite ending the discount on the DRIP in the second quarter (3Q24e CET1 12.9%, vs 11.5% regulatory minimum).

Exhibit 5: BMO Tear Sheet

Management outlook / commentary

Bank of Montreal	Notes
Revenue	Remain confident in BOTW revenue synergies of \$450mn-\$550mn, delayed one or two quarters vs initial expectation.
Net interest margin	Anticipate that NIM will be relatively stable as the benefit of reinvestment of higher rates offsets continued deposit repricing.
Provisions/Credit quality	Given outlook for higher for longer rates, expect PCLs to run in the low-30s. RBC Conference: Expect peak PCLs will come sometime this year.
Expenses	Expect BOTW expense savings will largely be in the run-rate by 2Q24. \$220mn of expense savings realized FY23, expect an additional \$550mn FY24. Believe that BOTW integration costs will now total \$1.9bn. Confident in ability to start delivering positive operating leverage in the second quarter (YoY basis). FDIC special assessment: \$300mn US.
EPS	Reiterate 7%+ EPS growth target.
Loans	Believe that Canadian loan growth will continue to moderate, and that US loan growth will gradually improve after lagging Canada in 2023. Combined, anticipate loan growth of low-to-mid single digits.
Deposits	Believe that deposits will grow at a similar rate to loans, low-to-mid single digits.
Capital	Expect the combined impact of regulatory changes in the first quarter and FDIC charge will be -25bp to CET1 capital. Would like to run the bank with a 50bp+ buffer to the regulatory minimum.
M&A	Now expect \$800mn in run-rate expense synergies from BOTW acquisition.

Source: BofA Global Research, Bloomberg



Scotia (BNS): Low bar, potential for upside surprise

We revise 1Q24e to \$1.61 (from \$1.55) or -13% YoY, FY24e to \$6.43 (from \$6.52) or -2% YoY. The combination of relatively low investor expectations and a net interest margin expansion driven upside surprise could drive a positive stock reaction.

Our forecast assumes that Canadian NIM expansion remains robust (forecast +8bp 1Q24 vs 4Q23) as Scotia continues to see the benefit from business mix shifts (reducing mortgage growth, focus on core deposits) that drove 4Q23 outperformance (+12bp QoQ). The potential for continued NIM expansion even before we get to Fed rate cuts a significant positive, especially given that Scotia is widely viewed as rate-cut beneficiary. BoC rate-cuts should reduce the drag stemming from the corporate segment where we forecast net loss to reduce to -\$1.2bn/-\$0.9bn/-\$0.5bn for FY24/25/26 vs. -\$1.4 reported for FY23.

While we expect that Scotia will continue to see a moderation in loan growth at least through 1H24 (expect residential mortgage balances to decline), we currently forecast Canadian segment loan-to-deposit (L/D) ratio to decline to 118% by 4Q24 vs. 126% at YE23 (bringing Scotia closer to peers), opening the door to a rebound in loan growth during 2H24.

Mgmt. guidance for a -75bp impact to capital 1Q24 (40bp floor factor, 35bp regulatory changes) leads us to believe that the bank may maintain its DRIP through the balance of 2024. While the combination of earnings + DRIP would put Scotia comfortably above the regulatory minimum (forecast 13% YE24e), we note that Scotia will again be impacted by the floor factor in each of 1Q25/26 (~40bp in each year). This leads us to believe that management will be careful in removing the DRIP discount until it has improved visibility on future regulatory decisions (next OSFI DSB decision in June) and macro-economic outlook. A 12.5%+ CET1 target would imply that Scotia would continue to operate with a 50bp+ buffer to the regulatory minimum CET1 even after a 40bp hit to capital in 1Q25 and again in 1Q26.

Exhibit 6: BNS Tear Sheet

Management outlook / commentary

Bank of Nova Scotia	
Revenue	Losses in the other segment are expected to remain elevated, as funding costs are expected to remain at current levels for most of 2024. Other will see improvement as rates decline. Fee income is expected to grow modestly. Global Wealth Management expects to deliver revenue growth FY24. Capital markets growth will be led by FICC. Other segment revenue will be better 1Q24 vs 4Q23.
Net interest margin	Expect strong NII growth FY24. Repricing benefits will continue to support NIM expansion. Expect decent margin expansion from where they finished in 4Q23.
Provisions/Credit quality	Full-year provisions in the range of 45-55bp. Do not expect to release provisions.
Expenses	1Q24 expenses could be elevated due to the eligible to retire costs.
Operating leverage	Expect to generate positive operating leverage. Expense growth of the low-to-mid single digits FY24. International banking will continue to generate positive operating leverage.
EPS	5-7% EPS CAGR 2025.
Loans	Moderate from 2023 levels.
Mortgages	Expect mortgage growth could pick up again in the back half of the year.
Deposits	Moderate from 2023 levels, but do not read as "significantly lower" vs 2023.
LatAm	Revenues in international banking are expected to benefit from loan growth and net interest margin expansion. Expenses are expected to grow at a lower rate than revenue reflecting expense saving initiatives. Earnings will be impacted by higher PCL and higher tax rate.
Capital	Expect CET1 to remain in the range of 12.5%+. 1Q24 will see a -75bp impact from FRTB/CVA implementation.

Source: BofA Global Research, Bloomberg, Company filings



CIBC (CM): operating outlook, CRE, capital build in focus

We revise 1Q24e EPS to \$1.64 (from \$1.80) or -16% YoY and FY24e EPS to \$6.60 (from \$6.61) or -2%. Among the big five banks, we see CM as having the clearest outlook on near term PTPP driven by expectations for a stable-to-expanding net interest margin and disciplined expense management. Loan growth moderating and likely to weigh on topline growth. Beyond PTPP trends, investors will be laser focused on an update on credit trends within the US CRE book (\$18.5bn or 4% of total consolidated loans). In particular, mgmt. has been building loan loss reserves against its office CRE portfolio (\$4bn in loans), and we expect reserve build and loss recognition to continue (NCOs 2.70% of avg. loans in 4Q23 vs. <1% 3Q23). Unlikely this will change prior PCL guidance for FY24 (impaired provision guide of mid-30s). Additionally, we anticipate some scrutiny of the rest of the US CRE book given heightened concerns tied to the risk of CRE issues spreading beyond office into other CRE sub-sectors.

We expect net interest margin to be a positive story for the bank (forecast NIM 1.44% 1Q24e, flat QoQ) as moderating mortgage growth (lower spread) and stabilizing deposit pricing competition combined with back book repricing should drive improved NIM/NII in the Canadian retail segment. We increase our expectation for FY24e NII (\$13.4bn vs \$12.8bn previously) as continued outlook for margin expansion 2H24 off a higher 1H24 base should support stronger NII growth.

Capital build also a positive story with Commerce unique among peers in expecting a net benefit from 1Q24 regulatory changes (no floor factor impact in the foreseeable future) and consequently we expect CET1 12.7% 1Q24e. As a result, we would not be surprised if Commerce terminates the discount on the DRIP earlier than peers. We forecast that the bank would be able to organically grow capital +10bp/qtr 2Q24-4Q24e.

Exhibit 7: CM Tear Sheet

Management outlook / commentary

CIBC	Notes
Revenue	Expect PTPP momentum to continue in Canadian P&C. Remain focused on prudence, profitable growth in US Commercial Banking and Wealth. Believe that loss in the corporate/other segment will moderate to the range of -\$50mn to -\$100mn.
Net interest margin	Margin improvement likely weighted toward the back half of the year.
Provisions/Credit quality	Anticipate FY24 PCLs in the mid-30s, higher than previous range of 25-30bp. Backing out US office, would expect PCLs in the low-30s. Will see losses earlier than US peers within the office portfolio.
Expenses	Can take out 1-2% of expenses per year. Expect to generate positive operating leverage on a go-forward basis. Managing to the minus side of mid-single digits expense growth FY24. Ideally would be around 4-5% expense growth to continue driving investments.
Operating leverage	Expect to deliver positive operating leverage in 2024.
Loans	Mid single digit loan growth in the commercial space; mid to high single digit loan growth in the US. Expect US growth will be stronger than Canada in 2024.
Mortgages	Mortgage clients are taking action to reduce negative amortization, from \$50bn in 3Q23 to \$43bn in 4Q23. Expect client payments will increase between \$300-700/month.
Capital	Will start the year above 12.5% CET1 after net benefit from IRB, FRTB. Do not believe they will be impacted by the output floor in the near future. Will consider ending the DRIP when they have visibility on the bank's ability to organically stay above 12.5% CET1.

Source: BofA Global Research, Bloomberg, Company filings



1Q24 Preview: Operating outlook

BofA 4Q23e EPS forecast: Our EPS forecast implies -12% in median YoY decrease for the big five banks for 4Q23 (vs. -8% reported for 4Q23).

Exhibit 8: Our 1Q24 estimates decreased 3% on avg.

BofA EPS estimate revisions

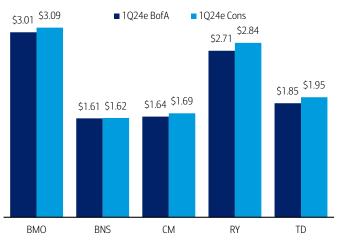
		1Q24e			2024e			2025e			2026e	
	New	Old	% Chg.	New	Old	% Chg.	New	Old	% Chg.	New	Old	% Chg.
ВМО	\$3.01	\$3.16	-4.7%	\$11.90	\$12.18	-2.3%	\$13.00	\$13.46	-3.4%	\$13.75	\$14.11	-2.5%
BNS	\$1.61	\$1.55	3.7%	\$6.43	\$6.52	-1.3%	\$7.32	\$7.32	-0.1%	\$7.78	\$7.77	0.1%
CM	\$1.64	\$1.80	-9.0%	\$6.60	\$6.61	-0.1%	\$7.18	\$7.12	0.9%	\$7.50	\$7.49	0.0%
RY	\$2.71	\$2.67	1.5%	\$11.22	\$11.24	-0.2%	\$12.68	\$12.68	0.0%	\$13.60	\$13.60	0.0%
TD	\$1.85	\$1.92	-3.4%	\$7.18	\$7.45	-3.6%	\$8.20	\$8.32	-1.4%	\$9.19	\$8.44	8.9%
Median			-3.4%			-1.3%			-0.1%			0.0%

Source: BofA Global Research

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Exhibit 9: We are 3% below consensus in 1Q24

BofA vs. Cons 4Q23 EPS Estimates

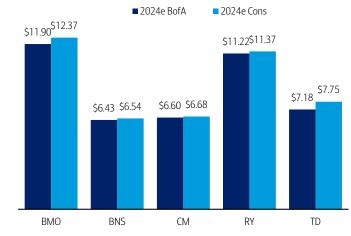


Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH

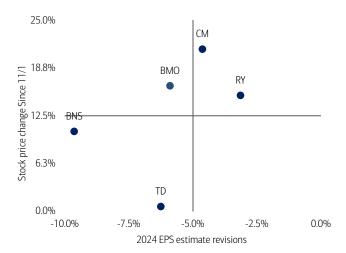
Exhibit 10: We are 3% below consensus for FY24

BofA vs. Cons 2024 EPS Estimates



Source: BofA Global Research, Bloomberg

Exhibit 11: RY, CM have outperformed on better than avg. 24 revisions Price performance since 11/1 vs 24e EPS revisions

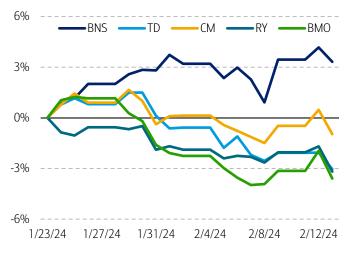


Source: BofA Global Research, Bloomberg, Visible Alpha

BofA GLOBAL RESEARCH

Exhibit 13: Scotia has outperformed since the last BOC meeting

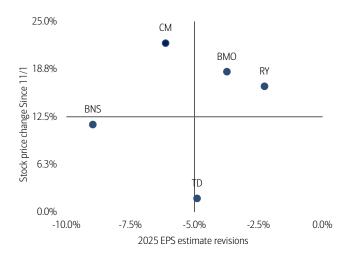
Price performance, indexed to 0% at 1/23/24.



Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 12: ...but CM o/p comes despite worse than avg. 25e revisions Price performance since 11/1 vs 25e EPS revisions



Source: BofA Global Research, Bloomberg, Visible Alpha

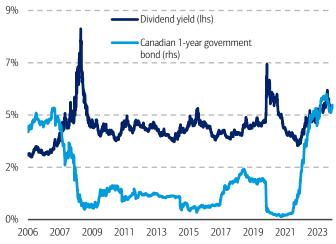
Exhibit 14: Banks are trading at 10.4x fwd. P/E vs. 10.8x 5yr median Historical and current forward P/E



Source: BofA Global Research, Bloomberg

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Exhibit 16: Risk-free Canadian bond rates have caught up to div. yields Canadian Banks dividend yield vs. CAD 1yr government bond



Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH

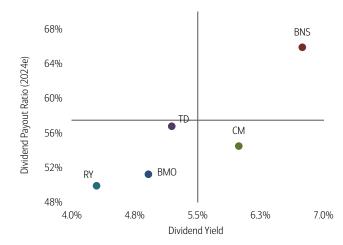
Exhibit 15: Banks are trading at 1.4x P/B, vs. 1.7x 5yr median

Historical and current P/B 3.0x 5-year pre-pandemic avg. ROE: 14.6x 5-year pre-pandemic avg P/BV: 1.7x 2.0x 1.5x STBANKX P/BV 5-year median 1.0x 2006 2007 2009 2011 2013 2015 2017 2019 2021 2023

Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH

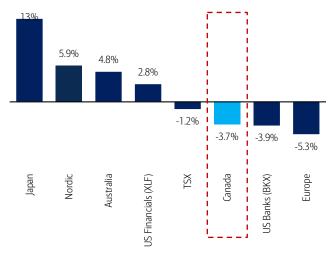
Exhibit 17: Dividend yields high as banks exceed 40-50% payout range Dividend payout ratio vs. dividend yield



Source: BofA Global Research, Bloomberg

Exhibit 18: Canadian banks underperformed most peers YTD...

Price performance of global banks YTD

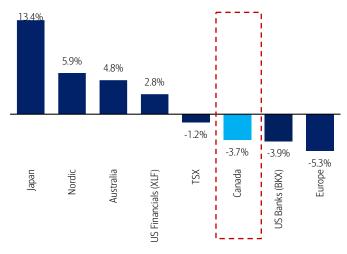


Source: BofA Global Research, Bloomberg. Note: Calculated based on the average YTD performance of the largest banks in each respective region. Japan includes MUFG, Mizuho, Sumitomo Mitsui; Australia includes ANZ, BOQ, BEN, CBA, NAB, WBC; Canada includes BMO, BNS, RT, TD, CM; Europe includes BARC, DBK, USSG, HSBA; Nordic includes DANSKE, DNB, SEBA, SHBA, SWEDA, NDA. Performance as of 2/12/24.

BofA GLOBAL RESEARCH

Exhibit 19: ...as well as quarter to date

Price performance of global banks QTD

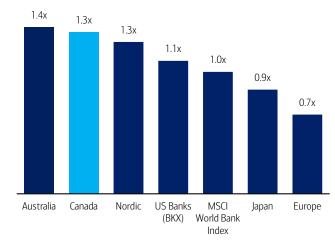


Source: BofA Global Research, Bloomberg. Note: Calculated based on the average QTD performance of the largest banks in each respective region. Japan includes MUFG, Mizuho, Sumitomo Mitsui; Australia includes ANZ, BOQ, BEN, CBA, NAB, WBC; Canada includes BMO, BNS, RY, TD, CM; Europe includes BARC, DBK, USSG, HSBA; Nordic includes DANSKE, DNB, SEBA, SHBA, SWEDA, NDA. Performance as of 2/12/24.

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Exhibit 20: Canadian banks are trading at a P/B premium to peers...

Global banks P/B ratio

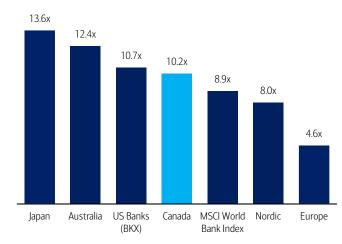


Source: BofA Global Research, Bloomberg

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Exhibit 21: ...but trade in-line with peers on a P/E basis

Global banks' P/E ratios



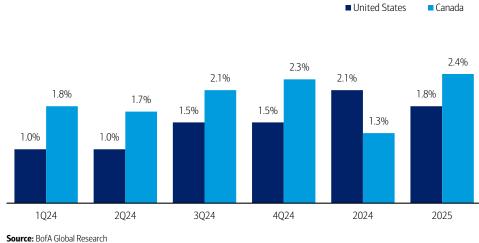
Source: BofA Global Research, Bloomberg



Canadian GDP growth to lag the U.S. until 2025 given quicker transmission of monetary policy, implied by BofA Economics forecast. 2024 GDP growth forecast: +2.1% U.S./+1.3% CAD, 2025: +1.8%/+2.4%

Exhibit 22: The US is expected to grow nearly 1% faster than Canada in 2024

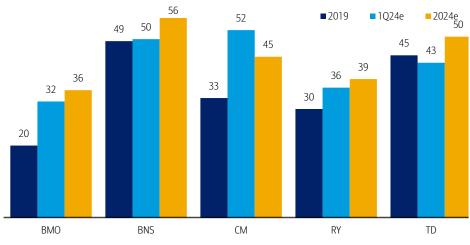
US vs Canadian GDP growth, QoQ annualized



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Exhibit 23: We see PCLs increasing as normalization continues

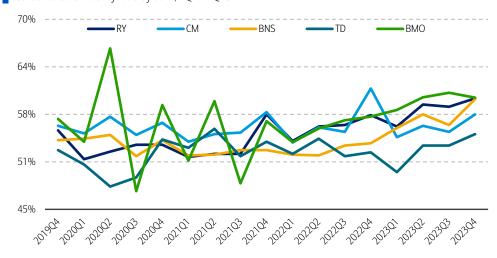
PCL ratio forecast (in bps)



Source: BofA Global Research, company reports

Canadian bank management teams have guided to remaining around ~12.5% CET1 vs. 13.0% 4Q23 avg. for the big 5 banks. Most management teams expecting a modest/immaterial impact to CET1 from FRTB/Trading Floor factor increases in 1Q24, while one peer expects to see a 75bp hit to CET1.

Exhibit 24: TD historical expense discipline will be challenged by compliance costs Consolidated efficiency ratio by bank, 4Q19-4Q23

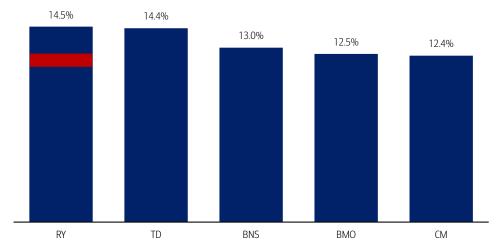


Source: BofA Global Research, Company filings

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Exhibit 25: RBC could see a 250bp hit to capital on the close of HSBC Canada

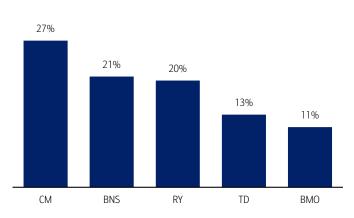
4Q23 CET1, RY adjusted for HSBC Canada



Source: BofA Global Research, Company filings

Mortgage Stress Front and Center

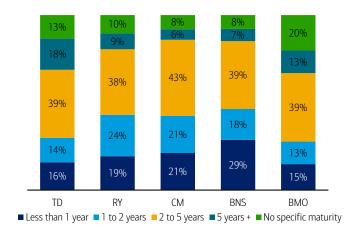
Exhibit 26: Banks with big U.S. presence less exposed to CAD mortgage Canadian resi mortgage loans as a % of total assets



Source: BofA Global Research, company filings

BofA GLOBAL RESEARCH

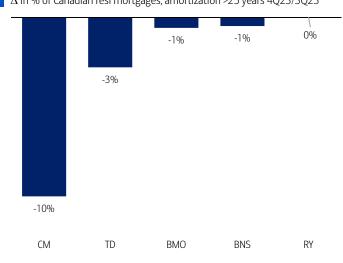
Exhibit 28: ~40% of loans will mature between 2026-2028Loan maturity by bank



Source: BofA Global Research, company filings

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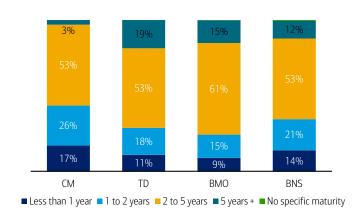
Exhibit 27: Mortgages with amortization >25 years down 300bp QoQ Δ in % of Canadian resi mortgages, amortization >25 years 4Q23/3Q23



Source: BofA Global Research, Company filings

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Exhibit 29: ~50% of mortgages will mature between 2026-2028 Mortgage maturity by bank



Source: BofA Global Research, company filings

Exhibit 30: 5yr govt. bond pulled back 60bp from post GFC high

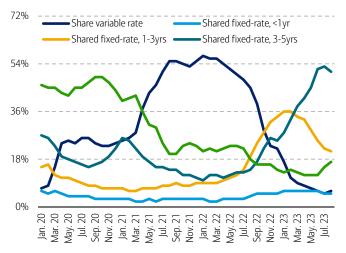
Canadian 5 year government bond yield



Source: BofA Global Research, Bloomberg

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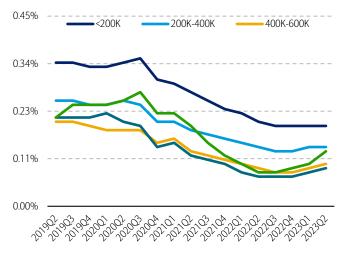
Exhibit 31: Preference for mortgages has shifted to fixed-rate, 3-5yrs Mortgage mix by month



Source: StatCan, Bank of Canada, CMHC

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Exhibit 32: Delinquencies in all value ranges below pre-COVID Mortgage delinquency rates by mortgage value at origination



Source: Equifax, CMHC

With continued creep upwards in unemployment rate (5.8%, same as December 2019 levels), banks are expecting deterioration to manifest primarily in unsecured lines of credit and credit cards.

Exhibit 33: Unemployment in Canada has returned to 2019 levels



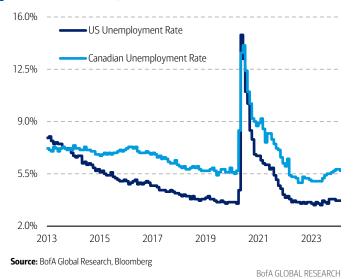


Exhibit 34: Rent inflation has declined from recent record highs



2014 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

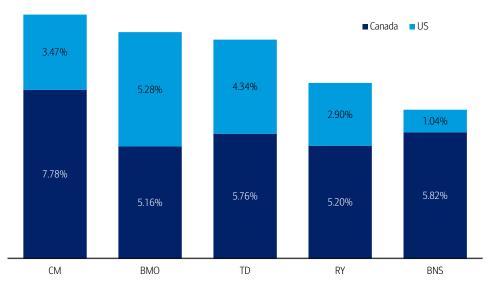
Source: BofA Global Research, Bloomberg

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Commerce has the largest exposure to CRE, at >10% of total loans. But exposure to U.S. office limited (<1% of total loans, 20% of US CRE).

Exhibit 35: CRE is 10% of total loans for the big 5 banks, on average

CRE loans as a % of total loans, US vs Canada



Source: BofA Global Research, Company filings

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Capital markets trends

Exhibit 36: Dealogic data implies a +25% YoY growth in M&A revenues

Canadian Bank M&A revenues

(\$mn)	1Q23	2Q23	3Q23	4Q23	1Q24	YoY	QoQ
RBC Capital Markets	150	83	98	137	152	1%	11%
BMO Capital Markets	43	63	26	77	40	-7%	-48%
TD Securities Inc	11	61	20	34	29	163%	-15%
CIBC World Markets	12	38	25	7	24	92%	230%
Scotiabank	3	28	24	20	7	113%	-65%
Total	220	275	192	275	252	25%	-8%

Source: BofA Global Research, Dealogic

BofA GLOBAL RESEARCH

Exhibit 37: Dealogic data implies a +8% YoY increase in ECM revenues

Canadian Bank ECM revenues

(\$mn)	1Q23	2Q23	3Q23	4Q23	1Q24	YoY	QoQ
RBC Capital Markets	49	29	39	39	37	-23%	-5%
BMO Capital Markets	62	10	20	29	42	-33%	46%
TD Securities Inc	12	5	58	45	59	385%	31%
CIBC World Markets	16	4	11	15	10	-36%	-30%
Scotiabank	11	9	17	16	13	26%	-20%
Total	149	57	145	144	162	8%	12%

Source: BofA Global Research, Dealogic

BofA GLOBAL RESEARCH

Exhibit 38: Dealogic data implies a +30% YoY increase in DCM revenues

Canadian Bank DCM revenues

(¢)	1022	2022	2022	4022	1024	V V	0.0
(\$mn)	1Q23	2Q23	3Q23	4Q23	1Q24	YoY	QoQ
RBC Capital Markets	99	137	129	101	147	48%	46%
BMO Capital Markets	61	50	69	54	86	40%	59%
TD Securities Inc	92	87	93	84	102	10%	21%
CIBC World Markets	37	37	36	34	46	24%	33%
Scotiabank	54	59	70	53	64	20%	22%
Total	343	370	397	326	445	30%	37%

Source: BofA Global Research, Dealogic



Price objective basis & risk

Bank of Montreal (YBMO / BMO)

Our \$145 PO (US\$109) is based on applying a P/BV multiple of 1.4x (50% weight) to our YE24e BV and a 12.5x P/E (50% weight) multiple to our 2024e P/E. These multiples are in line with the median of the group (12.0x P/E, 1.4x P/B).

Downside risks: 1) a Canadian and/or U.S. recession that would drive higher than expected credit costs, 2) deterioration in capital markets activity, 3) a dramatic shift in the interest rate outlook, and 4) unforeseen risks tied to the integration of Bank of the West

Upside risks to our PO: 1) a stronger economy/growth, 2) better than expected synergies from the Bank of the West acquisition, and 3) an economic soft landing that leads to reduce funding cost pressures while asset quality holds up

Bank of Nova Scotia (YBNS / BNS)

Our \$67 PO (US\$51) is calculated based off of applying a P/BV multiple of 1.2x (50% weight) to our YE24e BV and a 9.6x P/E (50% weight) to our 2024eP/E. These multiples are below peer multiples at 12.0x P/E and 1.4 P/B for the group.

Upside risks: 1) continued resilience of the Canadian consumer and thereby its housing market could alleviate the risk from a housing slowdown, 2) better than expected economic growth in the LatAm markets, which could accelerate loan growth and keep credit losses at a moderate level, and 3) successful push to grow core deposits and thereby improve profitability through a shift in funding mix toward lower-cost source of funds.

Downside risks: 1) a sharp downturn in the Canadian housing market and rise in unemployment rate could lead to higher credit losses, 2) a worse than expected slowdown in Latin American economies could lead to anemic loan growth and accelerating credit losses, 3) inability to grow core deposits and continued reliance on higher cost of funds, thereby weakening profitability.

Canadian Imperial Bank of Commerce (YCM / CM)

Our \$66 PO (US\$50) is calculated based off of applying a P/BV multiple of 1.2x (50% weight) to our YE24e BV and a 10.0x P/E (50% weight) to our 2024eP/E. These multiples are below peer multiples at 12.0x P/E and 1.4x P/B for the group.

Upside risks: 1) Continued resilience of the Canadian consumer and a faster-than-expected rebound in residential mortgage growth. 2) Better-than-expected growth in the capital markets business due to increased markets activity and/or continuing market share gains. 3) Stronger than expected margin expansion, which would drive profitability higher.

Downside risks: 1) A sharp downturn in the Canadian housing market and rise in unemployment rate that could lead to higher credit losses. 2) Inability to defend against a worsening revenue backdrop via expense actions. 3) Weaker than expected margin expansion, which would be a headwind for profitability.

Royal Bank of Canada (YRY / RY)

Our \$146 PO (USD \$108) is based on applying a P/BV multiple of 1.8x (50% weight) to our YE24e BV and an 12.5x P/E (50% weight) multiple to our 2024e P/E. These multiples are a premium to the 12.0x P/E and 1.4x P/B for the group. We see a premium valuation as warranted given RY's superior EPS/ROE defensibility and franchise diversity.



Downside risks to our price objective are: 1) a Canadian and/or U.S. recession that would drive higher than expected credit costs, 2) deterioration in capital markets activity 3) a dramatic shift in the interest rate outlook, 4) unforeseen risks tied to the integration of HSBC Canada.

Upside risk to our PO is: (1) a stronger economy/growth, (2) better than expected synergies from the HSBC Canada acquisition, and (3) economic soft landing that leads to reduced funding cost pressures while asset quality holds-up.

Toronto-Dominion Bank (YTD / TD)

Our \$86 PO (USD \$64) is based on applying a P/BV multiple of 1.4x (50% weight) to our YE24 BV and an 12.5x P/E (50% weight) multiple to our 2024e P/E. These multiples are in-line/slightly above the median of 12.0x P/E and 1.4x P/B for the group.

Downside risks to our price objective are: 1) a Canadian and/or U.S. recession that would drive higher than expected credit costs, 2) deterioration in capital markets activity 3) a dramatic shift in the interest rate outlook, 4) the DOJ's investigation into TD's compliance with anti-money laundering rules that leads to a worse than expected outcome 5) greater than expected margin compression due to the interest rate backdrop and competitive environment.

Upside risks to our price objective are: (1) stronger economic growth, (2) better growth driven by market share gains (3) faster pace of capital deployment.

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
	Citigroup Inc.	С	C US	Ebrahim H. Poonawala
	Compass Diversified Holdings	CODI	CODI US	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
	JPMorgan Chase & Co.	JPM	JPM US	Fbrahim H. Poonawala
	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
	·	NTRS	NTRS US	Ebrahim H. Poonawala
	Northern Trust Corporation			
	Royal Bank of Canada	RY	RY US	Ebrahim H. Poonawala
	Royal Bank of Canada	YRY	RY CN	Ebrahim H. Poonawala
	Safehold, Inc	SAFE	SAFE US	Derek Hewett
	Sixth Street Specialty Lending, Inc	TSLX	TSLX US	Derek Hewett
	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	WAL US	Ebrahim H. Poonawala
IEUTRAL				
LOTRAL	AGNC Investment Corp	AGNC	AGNC US	Derek Hewett
	Ally Financial	ALLY	ALLY US	Brandon Berman
	Annaly Capital Management	NLY	NLY US	Derek Hewett
				Derek Hewett
	Apollo Commercial Real Estate Finance	ARI ASB	ARI US ASB US	
	Associated Banc-Corp			Brandon Berman
	Bain Capital Specialty Finance, Inc.	BCSF	BCSF US	Derek Hewett
	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
		GSBD	GSBD US	Derek Hewett
	Goldman Sachs BDC, Inc.	UJDD		
	Goldman Sachs BDC, Inc. Golub Capital BDC, Inc.	GBDC	GBDC US	Derek Hewett
	Golub Capital BDC, Inc.		GBDC US HBAN US	Derek Hewett Ebrahim H. Poonawala
	Golub Capital BDC, Inc. Huntington Bancshares Inc.	GBDC HBAN	HBAN US	Ebrahim H. Poonawala
	Golub Capital BDC, Inc. Huntington Bancshares Inc. Ladder Capital Corp	GBDC HBAN LADR	HBAN US LADR US	Ebrahim H. Poonawala Derek Hewett
	Golub Capital BDC, Inc. Huntington Bancshares Inc. Ladder Capital Corp New York Community Bancorp	GBDC HBAN LADR NYCB	HBAN US LADR US NYCB US	Ebrahim H. Poonawala Derek Hewett Ebrahim H. Poonawala
	Golub Capital BDC, Inc. Huntington Bancshares Inc. Ladder Capital Corp New York Community Bancorp Palmer Square Capital BDC	GBDC HBAN LADR NYCB PSBD	HBAN US LADR US NYCB US PSBD US	Ebrahim H. Poonawala Derek Hewett Ebrahim H. Poonawala Derek Hewett
	Golub Capital BDC, Inc. Huntington Bancshares Inc. Ladder Capital Corp New York Community Bancorp Palmer Square Capital BDC PennyMac Mortgage Investment Trust	GBDC HBAN LADR NYCB PSBD PMT	HBAN US LADR US NYCB US PSBD US PMT US	Ebrahim H. Poonawala Derek Hewett Ebrahim H. Poonawala Derek Hewett Derek Hewett
	Golub Capital BDC, Inc. Huntington Bancshares Inc. Ladder Capital Corp New York Community Bancorp Palmer Square Capital BDC PennyMac Mortgage Investment Trust Popular Inc	GBDC HBAN LADR NYCB PSBD PMT BPOP	HBAN US LADR US NYCB US PSBD US PMT US BPOP US	Ebrahim H. Poonawala Derek Hewett Ebrahim H. Poonawala Derek Hewett Derek Hewett Brandon Berman
	Golub Capital BDC, Inc. Huntington Bancshares Inc. Ladder Capital Corp New York Community Bancorp Palmer Square Capital BDC PennyMac Mortgage Investment Trust	GBDC HBAN LADR NYCB PSBD PMT	HBAN US LADR US NYCB US PSBD US PMT US	Ebrahim H. Poonawala Derek Hewett Ebrahim H. Poonawala Derek Hewett Derek Hewett



North America - Banks Coverage Cluster

Company	BofA Ticker	Bloomberg symbol	Analyst
Toronto-Dominion Bank	YTD	TD CN	Ebrahim H. Poonawala
TPG RE Finance Trust, Inc.	TRTX	TRTX US	Derek Hewett
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
	Toronto-Dominion Bank TPG RE Finance Trust, Inc. Bank of Hawaii Corp. First Hawaiian Inc. Guild Holdings Company Invesco Mortgage Capital, Inc. loanDepot Inc MidCap Financial Investment Co Prosperity Bancshares Inc State Street Corporation Texas Capital Bancshares Inc.	Toronto-Dominion Bank TPG RE Finance Trust, Inc. Bank of Hawaii Corp. First Hawaiian Inc. Guild Holdings Company Invesco Mortgage Capital, Inc. IVR IoanDepot Inc MidCap Financial Investment Co Prosperity Bancshares Inc State Street Corporation Texas Capital Bancshares Inc. TVD TRTX BOH FIRE FHB GHLD INVR IVR IVR IVR IVR IVR IVR IVR IVR IVR I	Toronto-Dominion Bank TPG RE Finance Trust, Inc. Bank of Hawaii Corp. BOH BOH BOH US First Hawaiian Inc. FHB Guild Holdings Company Invesco Mortgage Capital, Inc. IVR IVR US IoanDepot Inc LDI MidCap Financial Investment Co Prosperity Bancshares Inc State Street Corporation TCBI TD CN TRTX US BOH BOH US FHB US FHB US FHB US GHLD US INVR US IVR US IV

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.

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Investment rating Buy Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster R2 $\leq 70\%$

Buy $\geq 10\%$ $\leq 70\%$ Neutral $\geq 0\%$ $\leq 30\%$ UnderperformN/A $\geq 20\%$

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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R2Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

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