

## Ally Financial

# Proceed with caution: 4Q23 & FY24 preview

Reiterate Rating: NEUTRAL | PO: 37.00 USD | Price: 34.12 USD

## Back in vogue

Expectations for rate cuts along with an improving economic outlook would suggest ALLY is set up to be an obvious beneficiary. (Majority of assets are fixed-rate retail auto loans while majority of liabilities are floating-rate retail deposits, thus resulting in a liability sensitive balance sheet). ALLY has likely reached trough earnings in 4Q23 and growth should only accelerate once the Fed starts cutting rates. This is reflected in the stock's 500bp outperformance (vs. BKX) since the Fed's "dovish pivot" in Dec., reversing ALLY's 180bp underperformance the 30 days prior. While this may be true, in theory, its hedges (only 15% mature in '24) have converted ALLY asset sensitive in the near-term.

## Can't sleep on credit

Credit sensitivity keeps us cautious. We estimate a +50bp increase in the assumed unemployment rate lowers 2024e EPS by 5%, all else equal. Retail auto NCOs have gradually increased along with delinquencies. The 2023 vintages continue to show encouraging signs while the 2022 vintage is expected to hit their peak loss periods in 1H24. Beyond that, mgmt. doesn't anticipate significant changes in credit outlook in near term. That said, recovery rates have returned to pre-pandemic levels as used car prices have declined (see Exhibit 1). Recent Credit Card vintages are also showing signs of trouble. Mgmt. expects NCOs to approach 11% by 4Q23 and continue to increase in 2024 (peaking in 1H24). To manage this risk, ALLY has curtailed new account growth.

## BofA 4Q23e 25% below consensus

We are lowering our 4Q23 EPS estimate by 45% to \$0.36 (25% below cons.). Downward revisions to NII, provisions, and expenses primarily reflect mgmt. updates from a competitor conference last month – which should hopefully blunt the sticker shock. That said, cons. expense est. may be too low (+6c variance vs. us). Mid-point of mgmt.'s outlook (+1-2% YoY) implies core expenses of ~\$1.23bn in 4Q (cons. \$1.21bn).

## (+) op. leverage possible in '24 (ex. rates)

We are lowering our 2024 EPS est. by 3% to \$3.43 (4% below cons.). Downward revision to NII driven by lower NIM in 4Q23 (3.19% vs. 3.31% prev.). Although we assume rates remain stable (key difference vs. cons.), we expect NIM to exit '24 at/around 3.5%. Path toward 4% accelerates as Fed cuts rates. Meanwhile, we believe focus on expense growth should help ALLY to generate modest positive operating leverage in 2024. Together, these dynamics will allow ALLY to exit 2024 earning \$6 on an annualized basis. (Recall, mgmt. previously expected to earn ~\$6 in '24 but was later scrapped).

Estimates (Dec) (US\$)	2021A	2022A	2023E	2024E	2025E
EPS	8.63	6.43	3.06	3.43	5.74
GAAP EPS	8.23	5.02	3.01	3.27	5.58
EPS Change (YoY)	192.5%	-25.5%	-52.4%	12.1%	67.3%
Consensus EPS (Bloomberg)			3.07	3.53	5.21
DPS	0.88	1.20	1.20	1.29	1.35
Valuation (Dec)					
P/E	4.0x	5.3x	11.2x	9.9x	5.9x
GAAP P/E	4.1x	6.8x	11.3x	10.4x	6.1x
Dividend Yield	2.6%	3.5%	3.5%	3.8%	4.0%

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Refer to important disclosures on page 7 to 9. Analyst Certification on page 5. Price Objective Basis/Risk on page 5.

12643768

Timestamp: 10 January 2024 05:40AM EST

10 January 2024

## Equity

### Key Changes

(US\$)	Previous	Current
Price Obj.	33.00	37.00
2023E Rev (m)	8,205.4	8,184.7
2024E Rev (m)	8,361.6	8,346.6
2025E Rev (m)	9,235.5	9,162.5
2023E EPS	3.36	3.06
2024E EPS	3.55	3.43
2025E EPS	5.90	5.74

**Brandon Berman**  
Research Analyst  
BofAS  
+1 646 855 3933  
[brandon.berman@bofa.com](mailto:brandon.berman@bofa.com)

**Ebrahim H. Poonawala**  
Research Analyst  
BofAS

## Stock Data

Price	34.12 USD
Price Objective	37.00 USD
Date Established	10-Jan-2024
Investment Opinion	B-2-7
52-Week Range	21.59 USD -35.78 USD
Mrkt Val / Shares Out (mn)	10,292 USD / 301.6
Free Float	89.4%
Average Daily Value	154.44 USD
BofA Ticker / Exchange	ALLY / NYS
Bloomberg / Reuters	ALLY US / ALLY.N
ROE (2023E)	7.2%
ESGMeter™	High

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to ["BofA ESGMeter Methodology"](#).

## Acronyms:

**BKX:** KBW Bank Index**NCOs:** net charge-offs**NII:** net interest income

Raise PO to \$37 (from \$33), despite downward EPS revisions, to reflect higher multiples (9x '24 EPS, 1x '24 TBV) given the improved earnings visibility.

# iQprofile<sup>SM</sup> Ally Financial

## Income Statement Data (Dec)

(US\$ Millions)	2021A	2022A	2023E	2024E	2025E
Net Interest Income	6,204	6,892	6,239	6,300	7,044
% change	30.9%	11.1%	-9.5%	1.0%	11.8%
Net Fee Income	2,079	1,929	1,946	2,046	2,118
Securities Gains / (Losses)	NA	NA	NA	NA	NA
Total Operating Income	8,283	8,821	8,185	8,347	9,162
Operating Expenses	(4,014)	(4,610)	(4,946)	(5,045)	(5,198)
% change	9.3%	14.8%	7.3%	2.0%	3.0%
Provisions Expense	(144)	(1,399)	(1,978)	(1,888)	(1,683)
% change	-90.0%	871.5%	41.4%	-4.6%	-10.9%
Operating Pre-Tax Income	4,125	2,812	1,260	1,414	2,281
Operating Net Income to Comm S/Hold.	3,208	2,160	1,045	1,159	1,848
GAAP Net Income	3,203	2,159	1,044	1,159	1,848

## Balance Sheet Data (Dec)

(US\$ Millions)	2021A	2022A	2023E	2024E	2025E
Total Assets	181,399	190,906	193,831	199,558	202,319
Average Interest Earning Assets	174,086	177,710	186,313	188,873	192,408
Total Gross Customer Loans	122,268	135,748	139,848	144,677	149,120
% change	3.2%	11.0%	3.0%	3.5%	3.1%
Total Customer Deposits	141,558	152,297	154,331	158,158	162,872
% change	3.3%	7.6%	1.3%	2.5%	3.0%
Tangible Equity	13,775	9,615	9,773	11,043	12,900
Common Shareholders' Equity	37,517	36,285	37,175	39,076	37,123

## Key Metrics (Dec)

(US\$ Millions)	2021A	2022A	2023E	2024E	2025E
Net Interest Margin	3.56%	3.88%	3.35%	3.34%	3.66%
Effective Tax Rate	22.2%	23.2%	17.1%	18.0%	19.0%
Loan / Deposit Ratio	86.4%	89.1%	90.6%	91.5%	91.6%
Tangible Common Equity / Assets	7.6%	5.0%	5.0%	5.5%	6.4%
ROA	1.7%	1.1%	0.5%	0.5%	0.9%
ROE	18.9%	14.2%	7.2%	9.4%	13.5%
RoTE	22.4%	17.5%	9.6%	10.1%	14.5%
Dividend Payout Ratio	10.0%	17.7%	35.0%	34.0%	22.2%
Efficiency Ratio (Cost / Income Ratio)	48.5%	52.3%	60.4%	60.4%	56.7%

## Quality of Earnings (Dec)

(US\$ Millions)	2021A	2022A	2023E	2024E	2025E
Total Non-Interest Inc / Operating Inc	25.1%	21.9%	23.8%	24.5%	23.1%
NPLs plus Foreclosed Real Estate / Loans	0%	0%	0%	0%	0%
Loan Loss Reserves / NPLs	NA	NA	NA	NA	NA
Loan Loss Reserves / Total Loans	2.67%	2.73%	2.74%	2.67%	2.62%

## Company Sector

Banks-US Regionals

## Company Description

Ally Financial Inc (ALLY) is a leading auto lender and a top 25 U.S. financial holding company. Ally businesses include one of the largest full service auto finance operations in the country, a growing online bank, a wealth management and online brokerage platform, and a corporate finance business.

## Investment Rationale

We believe the company's established relationships with dealers provide ALLY with a key competitive advantage, while its access to retail deposits further enhances its funding cost advantage vs. smaller industry participants, particularly in a rising rate backdrop. Growth of its complementary businesses could provide further upside. While NIM pressures are abating (contrary to the broader banking industry), credit concerns are likely to limit outperformance near term (vs. banks).

## Stock Data

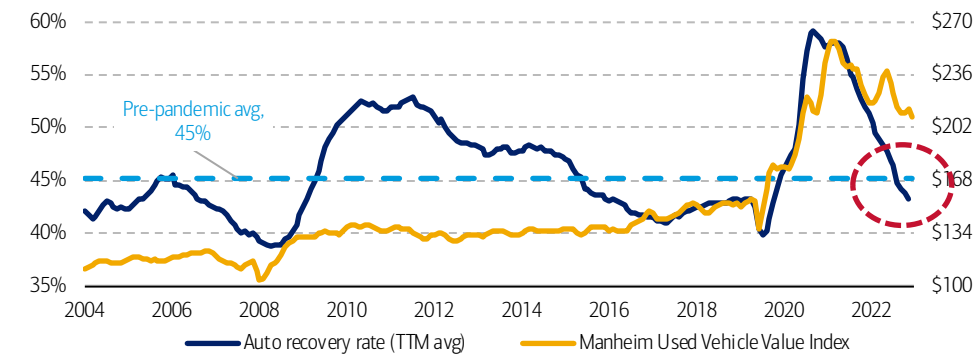
Average Daily Volume 4526,307

## Quarterly Earnings Estimates

	2022	2023
Q1	2.03A	0.92A
Q2	1.76A	0.96A
Q3	1.52A	0.82A
Q4	1.08A	0.36E

# Supplemental credit exhibits

**Exhibit 1: Recovery rates back to pre-pandemic levels as used vehicle prices have declined**  
Auto ABS recovery rates vs. Used vehicle prices



Source: BofA Global Research, Intex, Bloomberg

BofA GLOBAL RESEARCH



**Exhibit 2: ALLY Variance Table**

New vs. Old EPS estimates, assumptions

(\$ in millions unless noted)	3Q23	New 4Q23E	Old 4Q23E	Variance	New 2024E	Old 2024E	Variance	New 2025E	Old 2025E	Variance
<b>Selected Income Statement Items</b>										
Net interest income (ex. OID)	1,545	1,496	1,539	-2.8%	6,300	6,338	-0.6%	7,044	7,140	-1.3%
NIM (ex. Core OID & Core OID balance)	3.26	3.19	3.31	-0.11%	3.34	3.37	-0.03%	3.66	3.67	-0.01%
Provision for loan losses	508.0	597.2	555.4	7.5%	1,888.0	1,903.2	-0.8%	1,682.9	1,740.0	-3.3%
Total non-interest revenue (adjusted)	491.0	478.0	477.7	0.1%	2,046.3	2,023.9	1.1%	2,118.4	2,095.6	1.1%
Total revenue	2,036.0	1,995.7	2,016.4	-1.0%	8,346.6	8,361.6	-0.2%	9,162.5	9,235.5	-0.8%
Total noninterest expense	1,202.0	1,229.3	1,182.9	3.9%	5,045.0	5,001.2	0.9%	5,198.2	5,152.8	0.9%
Core pre-tax income	326.0	169.3	278.1	-39.1%	1,413.6	1,457.2	-3.0%	2,281.4	2,342.8	-2.6%
Effective tax rate (%)	14.4	18.0	18.0	0.00%	18.0	18.0	0.00%	19.0	19.0	0.00%
Net income (loss)	279.0	138.8	228.0	-39.1%	1,159.2	1,194.9	-3.0%	1,848.0	1,897.6	-2.6%
<b>Core EPS</b>	<b>0.82</b>	<b>0.36</b>	<b>0.65</b>	<b>-44.6%</b>	<b>3.43</b>	<b>3.55</b>	<b>-3.3%</b>	<b>5.74</b>	<b>5.90</b>	<b>-2.8%</b>
GAAP EPS	0.88	0.19	0.62	-69.9%	3.27	3.39	-3.4%	5.58	5.74	-2.9%
<b>Selected Balance Sheet Items</b>										
Total Assets	195,704	194,732	192,309	1.3%	200,459	201,901	-0.7%	203,220	206,286	-1.5%
Total Average Earning Assets	187,919	185,787	184,576	0.7%	188,873	188,198	0.4%	192,408	194,662	-1.2%
Total EOP loans (incl. HFS)	140,260	139,848	139,641	0.1%	144,677	145,447	-0.5%	149,120	150,603	-1.0%
Consumer automobile loans	85,370	84,723	84,723	0.0%	86,997	87,236	-0.3%	88,513	89,305	-0.9%
Total average loans	139,025	140,054	139,951	0.1%	141,987	142,282	-0.2%	146,899	148,025	-0.8%
Total domestic deposit liabilities	152,835	154,331	155,095	-0.5%	158,158	160,898	-1.7%	162,872	165,695	-1.7%
Average Deposits	153,526	153,410	153,792	-0.2%	155,587	157,568	-1.3%	160,367	163,148	-1.7%
Total Equity	12,825	12,998	13,088	-0.7%	14,268	14,393	-0.9%	16,125	16,299	-1.1%
<b>Selected Credit Quality Metrics</b>										
Total net charge-offs (NCOs)	456	604	584	3.5%	1,860	1,845	0.8%	1,627	1,656	-1.7%
% Average Loans	1.30	1.71	1.65	0.06%	1.31	1.30	0.01%	1.11	1.12	-0.01%
Nonperforming Assets	1,709	1,725	1,726	-0.1%	1,795	1,796	-0.1%	1,727	1,728	-0.1%
% EOP HFI Loans + OREO	1.22	1.23	1.23	0.00%	1.24	1.23	0.01%	1.16	1.15	0.01%
Allowance for loan losses (ALLL)	3,837	3,830	3,809	0.6%	3,858	3,867	-0.2%	3,913	3,952	-1.0%
% EOP HFI Loans	2.74	2.74	2.73	0.01%	2.67	2.66	0.01%	2.62	2.62	0.00%
<b>Selected Financial Ratios (%)</b>										
Efficiency Ratio (core)	59.0	61.6	58.7	2.93%	60.4	59.8	0.63%	56.7	55.8	0.94%
Adjusted efficiency ratio (ex. Insurance)	50.4	55.7	52.8	2.93%	53.0	52.4	0.64%	49.5	48.6	0.94%
Return on average assets (core)	0.52	0.23	0.41	-0.19%	0.53	0.55	-0.02%	0.86	0.88	-0.01%
Core ROTCE (BofA)	9.3	4.6	8.2	-3.65%	10.2	10.4	-0.24%	14.5	14.8	-0.24%
Core ROTCE (ALLY)	12.8	6.0	10.8	-4.78%	13.1	13.4	-0.26%	17.9	18.1	-0.24%
Common equity tier 1 ratio (fully phased-in)	9.3	9.4	9.2	0.22%	9.4	9.0	0.36%	9.9	9.5	0.39%
Tier 1 capital ratio	10.7	10.8	10.6	0.17%	10.8	10.4	0.34%	11.3	10.9	0.39%
Total capital ratio	12.5	12.6	12.5	0.13%	12.5	12.2	0.34%	13.0	12.6	0.39%
Tangible common equity / Tangible assets	4.9	5.0	5.1	-0.11%	5.5	5.6	-0.02%	6.4	6.4	0.01%
<b>Per Share Data</b>										
Book Value Per Share	42.52	43.09	43.39	-0.7%	47.30	47.72	-0.9%	53.95	54.54	-1.1%
Tangible Book Value Per Share	31.83	32.40	32.68	-0.8%	36.61	37.01	-1.1%	43.16	43.72	-1.3%
Adj Tang Book Value Per Share (ALLY)	37.42	38.02	38.29	-0.7%	42.31	42.71	-0.9%	49.00	49.56	-1.1%
Dividends Per Share	0.30	0.30	0.30	0.0%	1.29	1.29	0.0%	1.35	1.35	0.0%

Source: BofA Global Research estimates, company filings

BofA GLOBAL RESEARCH



## Price objective basis & risk

### Ally Financial (ALLY)

Our \$37 PO is based on a 50%/50% weighting between our 2024e EPS and 2024e TBV. We assign 9.0x/1.0x multiples, respectively. Discount vs. mid-cap peers (11.5x/1.2x) reflect banks higher credit profile and risks to EPS defensibility.

Upside risks: a better-than-expected improvement in the macro environment and credit performance, and stronger growth in complementary businesses. Downside risks: slower-than-expected vehicle origination growth amid weaker economic activity, a deterioration in credit quality and/or disruption in dealership ecosystem.

## Analyst Certification

I, Brandon Berman, 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
<b>BUY</b>				
	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.	C	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
	Goldman Sachs	GS	GS US	Ebrahim H. Poonawala
	JPMorgan Chase & Co.	JPM	JPM US	Ebrahim 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
	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	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	TS LX	TS LX 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
	Wells Fargo & Company	WFC	WFC US	Ebrahim H. Poonawala
	Western Alliance Bancorp	WAL	WAL US	Ebrahim H. Poonawala
<b>NEUTRAL</b>				
	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



## North America - Banks Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
	Associated Banc-Corp	ASB	ASB US	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	Ebrahim H. Poonawala
	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
	Regions Financial	RF	RF US	Ebrahim H. Poonawala
	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
	TPG RE Finance Trust, Inc.	TRTX	TRTX US	Derek Hewett

## UNDERPERFORM

	Bank of Hawaii Corp.	BOH	BOH US	Brandon Berman
	First Hawaiian Inc.	FHB	FHB US	Brandon Berman
	Guild Holdings Company	GHLI	GHLI 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	Ebrahim H. Poonawala

IQmethod<sup>SM</sup> Measures Definitions

## Business Performance

Return On Capital Employed

Return On Equity  
Operating Margin  
Earnings Growth  
Free Cash Flow

## Numerator

NOPAT = (EBIT + Interest Income) × (1 – Tax Rate) + Goodwill Amortization

Net Income  
Operating Profit  
Expected 5 Year CAGR From Latest Actual  
Cash Flow From Operations – Total Capex

## Denominator

Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill  
Amortization  
Shareholders' Equity  
Sales  
N/A  
N/A

## Quality of Earnings

Cash Realization Ratio  
Asset Replacement Ratio  
Tax Rate  
Net Debt-To-Equity Ratio  
Interest Cover

## Numerator

Cash Flow From Operations  
Capex  
Tax Charge  
Net Debt = Total Debt – Cash & Equivalents  
EBIT

## Denominator

Net Income  
Depreciation  
Pre-Tax Income  
Total Equity  
Interest Expense

## Valuation Toolkit

Price / Earnings Ratio  
Price / Book Value  
Dividend Yield  
Free Cash Flow Yield  
Enterprise Value / Sales  
EV / EBITDA

## Numerator

Current Share Price  
Current Share Price  
Annualised Declared Cash Dividend  
Cash Flow From Operations – Total Capex  
EV = Current Share Price × Current Shares + Minority Equity + Net Debt + Other LT Liabilities  
Enterprise Value

## Denominator

Diluted Earnings Per Share (Basis As Specified)  
Shareholders' Equity / Current Basic Shares  
Current Share Price  
Market Cap = Current Share Price × Current Basic Shares  
Sales  
Basic EBIT + Depreciation + Amortization

IQmethod<sup>SM</sup> is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and valuations. The key features of IQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

IQdatabase<sup>®</sup> is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.

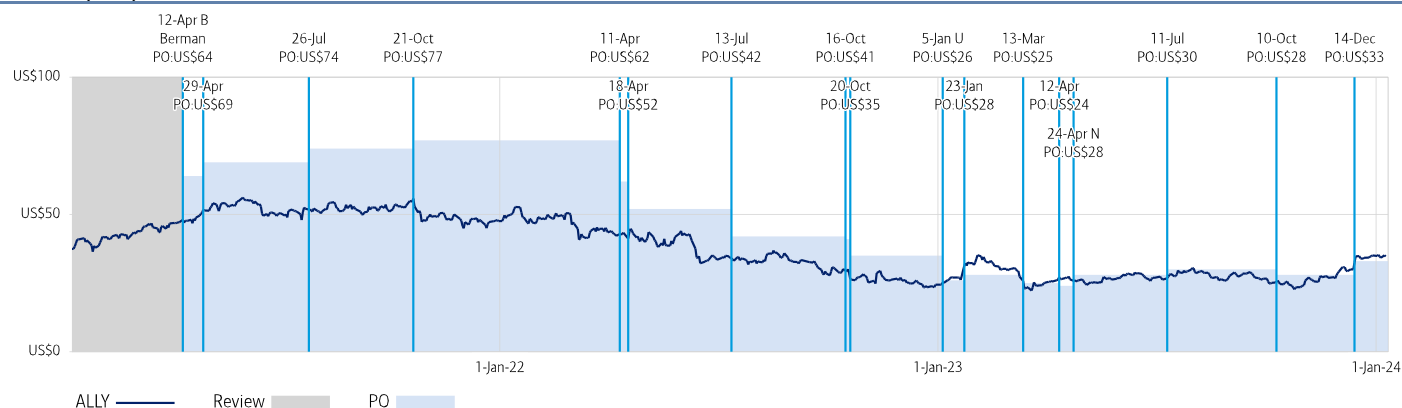
IQprofile<sup>SM</sup>, IQmethod<sup>SM</sup> are service marks of Bank of America Corporation. IQdatabase<sup>®</sup> is a registered service mark of Bank of America Corporation.



# Disclosures

## Important Disclosures

### Ally Financial (ALLY) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

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

Coverage Universe	Count	Percent	Inv. Banking Relationships <sup>R1</sup>	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 <sup>R1</sup>	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%

<sup>R1</sup> 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)	Ratings dispersion guidelines for coverage cluster <sup>R2</sup>
Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

<sup>R2</sup> Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

**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.

Price Charts for the securities referenced in this research report are available on the [Price Charts website](#), or call 1-800-MERRILL to have them mailed.

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: Ally Financial.

BofAS or an affiliate was a manager of a public offering of securities of this issuer within the last 12 months: Ally Financial.

The issuer is or was, within the last 12 months, an investment banking client of BofAS and/or one or more of its affiliates: Ally Financial.

BofAS or an affiliate has received compensation from the issuer for non-investment banking services or products within the past 12 months: Ally Financial.

The issuer is or was, within the last 12 months, a non-securities business client of BofAS and/or one or more of its affiliates: Ally Financial.

BofAS or an affiliate has received compensation for investment banking services from this issuer within the past 12 months: Ally Financial.

BofAS or an affiliate expects to receive or intends to seek compensation for investment banking services from this issuer or an affiliate of the issuer within the next three months: Ally Financial.

BofAS or one of its affiliates is willing to sell to, or buy from, clients the common equity of the issuer on a principal basis: Ally Financial.

The issuer is or was, within the last 12 months, a securities business client (non-investment banking) of BofAS and/or one or more of its affiliates: Ally Financial.



BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

## Other Important Disclosures

From time to time research analysts conduct site visits of covered issuers. BofA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofA or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

Refer to [BofA Global Research policies relating to conflicts of interest](#).

**'BofA Securities' includes BofA Securities, Inc. ('BofAS') and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. 'BofA Securities' is a global brand for BofA Global Research.**

### Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ('MLPF&S') may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at [www.bofam.com/BofASEdisclaimer](http://www.bofam.com/BofASEdisclaimer); BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSF); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch Canada Inc, regulated by the Canadian Investment Regulatory Organization; Merrill Lynch (Mexico): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch Israel Limited, regulated by Israel Securities Authority; Merrill Lynch (DIFC): Merrill Lynch International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch S.A. Corretora de Títulos e Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSF; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information prepared and issued by Merrill Lynch (DIFC) is done so in accordance with the requirements of the DFSA conduct of business rules. BofA Europe (Frankfurt) distributes this information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securities entities, including BofA Europe and BofASE (France), may outsource/delegate the marketing and/or provision of certain research services or aspects of research services to other branches or members of the BofA Securities group. You may be contacted by a different BofA Securities entity acting for and on behalf of your service provider where permitted by applicable law. This does not change your service provider. Please refer to the [Electronic Communications Disclaimers](#) for further information.

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

### General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities.

This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including,



among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BoFA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

BoFA or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BoFA or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BoFA Securities, through business units other than BoFA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BoFA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information.

In the event that the recipient received this information pursuant to a contract between the recipient and BoFA for the provision of research services for a separate fee, and in connection therewith BoFA may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BoFA has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BoFA). If such recipient uses the services of BoFA in connection with the sale or purchase of a security referred to herein, BoFA may act as principal for its own account or as agent for another person. BoFA is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

#### **BoFA ESGMeter Methodology:**

ESGMeter is a proprietary metric based on quantitative analysis and fundamental analyst inputs that reflects our assessment of a company's Environmental, Social and Governance-related attributes. The ESGMeter is intended to indicate a company's likelihood of experiencing stronger financial stability (higher return on equity and lower earnings and price volatility) over the next three years relative to peer group. There are three ESGMeter levels - Low, Medium, and High - which indicate whether a company has attributes most likely to translate into superior financial stability (in the case of a High level) or weaker financial stability (in the case of a Low level) over the next three years relative to its peer group. A Medium level suggests that a company exhibits ESG characteristics that are likely associated with financial stability results in line with its peer group over the next three years. Full details of our methodology, financial stability definition and disclaimers are available at [BoFA ESGMeter methodology](#). ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating.

ESGMeter is independent of the BoFA Global Research fundamental equity analyst's investment rating, volatility risk rating, income rating or price objective for that company.

#### **Copyright and General Information:**

Copyright 2024 Bank of America Corporation. All rights reserved. iQDatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BoFA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BoFA Securities. BoFA Global Research information is distributed simultaneously to internal and client websites and other portals by BoFA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BoFA Securities.

Materials prepared by BoFA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BoFA Securities, including investment banking personnel. BoFA Securities has established information barriers between BoFA Global Research and certain business groups. As a result, BoFA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BoFA Global Research personnel's knowledge of legal proceedings in which any BoFA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public information. Facts and views presented in this material that relate to any such proceedings have not been reviewed by, discussed with, and may not reflect information known to, professionals in other business areas of BoFA Securities in connection with the legal proceedings or matters relevant to such proceedings.

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BoFA or any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BoFA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BoFA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BoFA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BoFA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BoFA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BoFA Securities is under no obligation to update this information and BoFA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BoFA Securities will not update any fact, circumstance or opinion contained herein.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BoFA Securities policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment recommendation current.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BoFA or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BoFA Securities nor any officer or employee of BoFA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.