# BofA SECURITIES

# Scorpio Tankers Inc.

# Demand lifts into winter; Near term capital focused back to debt paydown

Reiterate Rating: NEUTRAL | PO: 63.00 USD | Price: 57.37 USD

# Sees seasonal lift ahead; Winter (demand) is coming

Scorpio Tankers (STNG) posted adj 3Q23 EPS of \$1.91, down 45% yr-yr, yet above our \$1.53/Street's \$1.55. The beat was driven by slightly higher-than-expected time-charter equivalent rates (TCE) at \$28,300/day (down 36% yr-yr, yet above our \$27,600/day target) and positive operating leverage. Incentive comp was below target, leading G&A to \$25 million, \$3 million below our target (+\$0.06/sh). STNG booked 50%/48%/47% of LR-2/MR/Handysize 4Q spot revenue days at \$40,000/\$31,000/\$30,000/day, implying \$33,600/day 4QTD average fleet TCE (we target \$33,800/day 4Q TCE, or down 26% yryr). This represents its first seq TCE uptick after three quarters of declines as rates normalized after record tightness in 4Q22. It bought back \$79 million in shares (1.7 mil shares, or 3% of total), \$3 million above our target. It highlighted a favorable demand backdrop ahead of seasonal ton-miles lift into winter. The product tanker orderbook has climbed to ~10% of the active fleet (vs ~5% at lows), Scorpio believes rising fleet age (~13 years) will drive scrapping, and more than offset vessel capacity additions.

# Capital strategy shifting towards returns focus

Net vessel revenues were \$289 million, down 37% year-year yet \$3 million above our target. Operating income was \$134 million, down 56% year-year, yet \$8 million above our target. As we noted in our 3Q Preview (see STNG Note), Scorpio aims to reduce net debt (\$1.3 billion or ~\$25/sh as of 3Q) to below its vessel scrap value of \$850-\$900 mil (~\$17/share), then will prioritize shareholder returns, through dividends and buybacks. With current TCE rates implying \$14/sh in annual free cash flow, we expect Scorpio to achieve its target in the next few quarters. It aims to reduce outstanding lease financing by \$278 million in 4Q23 (after repaying \$203 mil in 3Q). It increased its quarterly dividend 40%, to \$0.35/sh from \$0.25/sh. It also replenished its buyback authorization to \$250 mil, yet expects to repurchase when shares show value (recently at sub-\$50/sh).

# Passed peak product tanker rates; Neutral

We maintain our Neutral and \$63 PO on STNG's shares, with our PO based on 5.0x our 2024e EBITDA (from 5.5x) as we move past peak product tanker tightness. While we are positive on STNG's strong cash generation and rising returns focus, we believe we are past the top of the product tanker rate cycle. We raise our 2023 and 2024 EPS estimates 14% and 11%, to \$10.80 and \$8.75, from \$9.45 and \$7.85, respectively.

Estimates (Dec) (US\$)	2021A	2022A	2023E	2024E	2025E
EPS	-4.17	11.42	10.80	8.75	7.25
GAAP EPS	(4.29)	11.49	10.76	8.75	7.25
EPS Change (YoY)	NM	NM	-5.4%	-19.0%	-17.1%
Consensus EPS (Bloomberg)			10.04	10.80	10.78
DPS	0.40	0.40	1.05	1.80	2.20
Valuation (Dec)					
P/E	NM	5.0x	5.3x	6.6x	7.9x
GAAP P/E	NM	5.0x	5.3x	6.6x	7.9x
Dividend Yield	0.7%	0.7%	1.8%	3.1%	3.8%
EV/EBITDA*	24.5x	3.5x	4.0x	5.2x	6.1x
Free Cash Flow Yield*	0.7%	25.7%	30.1%	22.6%	19.8%
* For full definitions of <i>IQ</i> method <sup>SM</sup> measures, see page 5.					

Bof A 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 6 to 8. Analyst Certification on page 4. Price Objective Basis/Risk on page 4. 12626186

#### 09 November 2023

### Equity

Key Changes		
(US\$)	Previous	Current
2023E DPS	0.95	1.05

Ken Hoexter Research Analyst BofAS

+1 646 855 1498 ken.hoexter@bofa.com

Nathan Ho. CFA Research Analyst +1 646 855 3599 nathan.m.ho@bofa.com

Adam Roszkowski, CFA Research Analyst **BofAS** +1 646 855 5498 adam.roszkowski@bofa.com

#### Stock Data

ESGMeter™	Medium
Net Dbt to Eqty (Dec-2022A)	49.2%
ROE (2023E)	23.3%
Bloomberg / Reuters	STNG US / STNG.N
BofA Ticker / Exchange	STNG / NYS
Average Daily Value (mn)	58.20 USD
(mn)	
Mrkt Val (mn) / Shares Out	2,863 USD / 49.9
52-Week Range	40.34 USD - 64.20 USD
Investment Opinion	C-2-7
Date Established	3-Nov-2023
Price Objective	63.00 USD
Price	57.37 USD

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

# **iQ**profile<sup>™</sup> Scorpio Tankers Inc.

(US\$ Millions)	2021A	2022A	2023E	2024E	20251
Return on Capital Employed	-1.7%	17.5%	17.1%	13.1%	10.7%
Return on Equity	-11.7%	33.2%	23.3%	16.0%	11.7%
Operating Margin	-16.8%	54.5%	53.2%	44.2%	38.3%
Free Cash Flow	21	735	862	646	568
iQmethod <sup>™</sup> – Quality of Earnings*					
(US\$ Millions)	2021A	2022A	2023E	2024E	20251
Cash Realization Ratio	NM	1.1x	1.5x	1.6x	1.8
Asset Replacement Ratio	0.2x	0.2x	0.1x	0.1x	0>
Tax Rate	NM	NM	NM	NM	NM
Net Debt-to-Equity Ratio	144.5%	49.2%	31.9%	16.4%	5.1%
Interest Cover	-0.6x	5.4x	4.5x	4.5x	4.5>
Income Statement Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	20251
Sales	541	1,563	1,350	1,137	1,028
% Change	-41.0%	189.0%	-13.6%	-15.8%	-9.5%
Gross Profit	541	1,563	1,350	1,137	1,028
% Change	-41.0%	189.0%	-13.6%	-15.8%	-9.5%
EBITDA	150	1,058	922	709	601
% Change	-70.6%	607.8%	-12.9%	-23.1%	-15.3%
Net Interest & Other Income	(138)	(149)	(133)	(87)	(75)
Net Income (Adjusted)	(228)	722	585	416	320
% Change	NM	NM	-18.9%	-28.9%	-23.1%
Free Cash Flow Data (Dec)					
• •	2021A	2022A	2023E	2024E	2025
• •	<b>2021A</b> (235)	<b>2022A</b> 726	<b>2023E</b> 583	<b>2024E</b> 416	
(US\$ Millions)					320
(US\$ Millions)  Net Income from Cont Operations (GAAP)	(235)	726	583	416	320 206
(US\$ Millions)  Net Income from Cont Operations (GAAP)  Depreciation & Amortization	(235) 240	726 207	583 204	416 206	320 206 0
(US\$ Millions)  Net Income from Cont Operations (GAAP)  Depreciation & Amortization  Change in Working Capital	(235) 240 14	726 207 (176)	583 204 73	416 206 0	320 206 0
(US\$ Millions)  Net Income from Cont Operations (GAAP)  Depreciation & Amortization  Change in Working Capital  Deferred Taxation Charge	(235) 240 14 0	726 207 (176) 0	583 204 73 0	416 206 0	320 206 0 4
(US\$ Millions)  Net Income from Cont Operations (GAAP)  Depreciation & Amortization  Change in Working Capital  Deferred Taxation Charge  Other Adjustments, Net	(235) 240 14 0 53	726 207 (176) 0 12	583 204 73 0 31	416 206 0 0 47	320 206 0 4 43 (5)
Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure	(235) 240 14 0 53 (52)	726 207 (176) 0 12 (34)	583 204 73 0 31 (29)	416 206 0 0 47 (23)	2025E 320 206 0 4 43 (5) 568 -12.1%
(US\$ Millions)  Net Income from Cont Operations (GAAP)  Depreciation & Amortization  Change in Working Capital  Deferred Taxation Charge  Other Adjustments, Net  Capital Expenditure  Free Cash Flow  % Change  Balance Sheet Data (Dec)	(235) 240 14 0 53 (52) <b>21</b>	726 207 (176) 0 12 (34) <b>735</b>	583 204 73 0 31 (29) <b>862</b>	416 206 0 0 47 (23)	320 206 0 4 43 (5)
(US\$ Millions)  Net Income from Cont Operations (GAAP)  Depreciation & Amortization  Change in Working Capital  Deferred Taxation Charge  Other Adjustments, Net  Capital Expenditure  Free Cash Flow  % Change  Balance Sheet Data (Dec)  (US\$ Millions)	(235) 240 14 0 53 (52) 21 -91.4%	726 207 (176) 0 12 (34) 735 NM	583 204 73 0 31 (29) <b>862</b> <b>17.4%</b>	416 206 0 0 47 (23) <b>646</b> -25.1%	320 206 0 4 43 (5) 568 -12.1%
(US\$ Millions)  Net Income from Cont Operations (GAAP)  Depreciation & Amortization  Change in Working Capital  Deferred Taxation Charge  Other Adjustments, Net  Capital Expenditure  Free Cash Flow  % Change  Balance Sheet Data (Dec)  (US\$ Millions)  Cash & Equivalents	(235) 240 14 0 53 (52) 21 -91.4%	726 207 (176) 0 12 (34) <b>735</b> NM	583 204 73 0 31 (29) <b>862</b> <b>17.4%</b>	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b>	320 206 0 4 43 (5)
(US\$ Millions)  Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables	(235) 240 14 0 53 (52) 21 -91.4% 2021A 230 38	726 207 (176) 0 12 (34) <b>735</b> NM	583 204 73 0 31 (29) <b>862</b> <b>17.4%</b> <b>2023E</b> 304 193	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193	320 206 0 4 43 (5) <b>568</b> - <b>12.1%</b> <b>2025</b> 299 193
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17	726 207 (176) 0 12 (34) <b>735</b> NM <b>2022A</b> 377 277 34	583 204 73 0 31 (29) <b>862</b> <b>17.4%</b> <b>2023E</b> 304 193 28	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28	320 206 0 4 43 (5) <b>568</b> - <b>12.1%</b> <b>2025</b> 299 193 28
(US\$ Millions)  Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842	726 207 (176) 0 12 (34) <b>735</b> NM <b>2022A</b> 377 277 34 3,089	583 204 73 0 31 (29) <b>862</b> <b>17.4%</b> <b>2023E</b> 304 193 28 3,426	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220	320 206 0 4 43 (5) <b>568</b> - <b>12.1%</b> <b>2025</b> 193 28 3,013
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887	726 207 (176) 0 12 (34) <b>735</b> <b>NM</b> <b>2022A</b> 377 277 34 3,089 783	583 204 73 0 31 (29) <b>862</b> <b>17.4%</b> <b>2023E</b> 304 193 28 3,426 246	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246	320 206 0 4 43 (5) <b>568</b> - <b>12.1%</b> 2025 193 28 3,013 246
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887 5,014	726 207 (176) 0 12 (34) 735 NM  2022A 377 277 34 3,089 783 4,559	583 204 73 0 31 (29) <b>862</b> <b>17.4%</b> <b>2023E</b> 304 193 28 3,426 246 <b>4,197</b>	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246 <b>4,120</b>	320 206 0 4 43 (5) <b>568</b> - <b>12.1%</b> <b>2025</b> 193 28 3,013 246 <b>3,779</b>
(US\$ Millions)  Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Total Assets Short-Term Debt	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887 5,014 235	726 207 (176) 0 12 (34) 735 NM  2022A 377 277 34 3,089 783 4,559 32	583 204 73 0 31 (29) 862 17.4%  2023E 304 193 28 3,426 246 4,197 148	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246 <b>4,120</b> 148	320 206 (2 43 (5) 568 -12.1% 2025 299 193 28 3,013 246 3,779
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Short-Term Debt Other Current Liabilities	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887 5,014 235 293	726 207 (176) 0 12 (34) 735 NM  2022A 377 277 34 3,089 783 4,559 32 442	583 204 73 0 31 (29) 862 17.4%  2023E 304 193 28 3,426 246 4,197 148 559	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246 <b>4,120</b> 148 559	320 206 (2 43 (5) 568 -12.1% 2025 299 193 28 3,013 246 3,779
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Short-Term Debt Other Current Liabilities Long-Term Debt	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887 5,014 235 293 2,649	726 207 (176) 0 12 (34) 735 NM  2022A 377 277 34 3,089 783 4,559 32 442 1,579	583 204 73 0 31 (29) 862 17.4%  2023E 304 193 28 3,426 246 4,197 148 559 962	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246 <b>4,120</b> 148 559 727	320 206 (2 43 (5) 568 -12.1% 2025 299 193 28 3,013 246 3,779 148 559 293
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887 5,014 235 293 2,649 NA	726 207 (176) 0 12 (34) 735 NM  2022A 377 277 34 3,089 783 4,559 32 442 1,579 NA	583 204 73 0 31 (29) 862 17.4%  2023E 304 193 28 3,426 246 4,197 148 559 962 NA	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246 <b>4,120</b> 148 559 727 NA	320 206 0 4 43 (5) 568 -12.1% 2025 299 193 28 3,013 246 3,779 148 559 293 NA
Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Short-Term Debt Other Current Debt Other Current Debt Other Non-Current Liabilities Long-Term Debt Other Non-Current Liabilities Total Liabilities	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887 5,014 235 293 2,649 NA 3,177	726 207 (176) 0 12 (34) 735 NM  2022A 377 277 34 3,089 783 4,559 32 442 1,579 NA 2,052	583 204 73 0 31 (29) 862 17.4%  2023E 304 193 28 3,426 246 4,197 148 559 962 NA 1,669	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246 <b>4,120</b> 148 559 727 NA <b>1,434</b>	320 206 4 43 (5) 568 -12.1% 2025l 299 193 28 3,013 246 3,779 148 559 293 NA
(US\$ Millions)  Net Income from Cont Operations (GAAP) Depreciation & Amortization Change in Working Capital Deferred Taxation Charge Other Adjustments, Net Capital Expenditure Free Cash Flow % Change  Balance Sheet Data (Dec) (US\$ Millions) Cash & Equivalents Trade Receivables Other Current Assets Property, Plant & Equipment Other Non-Current Assets Short-Term Debt Other Current Liabilities Long-Term Debt Other Non-Current Liabilities	(235) 240 14 0 53 (52) 21 -91.4%  2021A 230 38 17 3,842 887 5,014 235 293 2,649 NA	726 207 (176) 0 12 (34) 735 NM  2022A 377 277 34 3,089 783 4,559 32 442 1,579 NA	583 204 73 0 31 (29) 862 17.4%  2023E 304 193 28 3,426 246 4,197 148 559 962 NA	416 206 0 0 47 (23) <b>646</b> - <b>25.1%</b> <b>2024E</b> 433 193 28 3,220 246 <b>4,120</b> 148 559 727 NA	320 206 0 4 43 (5) 568 -12.1%

# **Company Sector**

Shipping

### **Company Description**

Scorpio Tankers (STNG) provides seaborne transport of refined petroleum products worldwide, such as gasoline, heating oil, and fuel oil. Product tankers move refined products from global refineries to points near consuming markets. STNG operates the world's largest, youngest, and most modern fleet of publicly traded product tankers consisting of 112 owned product tankers. STNG largely operates in the spot shipping markets.

#### **Investment Rationale**

After its recent vessel sale and rate gains, STNG shares may see impacts from moderating market rates with slowing refined product demand. However with 112 product tanker vessels (post sale) generating robust cash flow, shares could also see support from its high FCF yield. It could stabilize within its 5x-9x EBITDA band as rate outlook moderates, offset by its moves to decrease leverage and improve returns. We thus maintain a balanced view on STNG shares with our Neutral rating.

### **Stock Data**

Average Daily Volume

## **Quarterly Earnings Estimates**

	2022	2023
Q1	-0.15A	3.31A
Q2	3.13A	2.41A
Q3	4.29A	1.91A
04	4 244	3.11F



1,014,393

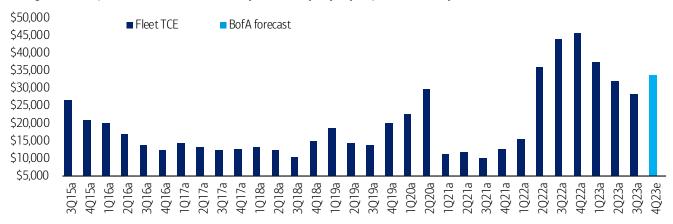
# Congestion, tighter export ban may drive upside to rates

Increased congestion and rising scrutiny over the Russian diesel export ban could potentially increase charter rate upside. Given historically low water levels in the Panama Canal, vessel transit slots have decreased to 24 vessels per day in November from 36-37 per day normally. We believe fluidity could potentially deteriorate further with slots reducing to 15-20 vessels/day starting February if rain levels remain low. Scorpio Tankers highlighted that 14-day routes between Quintero, Chile and Houston, TX could extend to 25-30 days, raising ton-mile demand if congestion remains elevated.

The company also noted that stricter enforcement of the Russian refined product price cap by the EU could also further lengthen voyage lengths. It sees approximately 453 vessels in the Russian shadow fleet (15% of total capacity) and expects the majority of those vessels in the 15+ year age range (scrapping candidates and unlikely to rejoin industry fleet capacity).

# **Exhibit 1: Scorpio Tankers Average TCE rates**

We target 4Q23 Scorpio Tankers TCE rates of \$33.8k/day, down 26% year-year yet up from \$28.3k/day in 3Q23.



Source: BofA Global Research estimates and company reports.

RofA GLOBAL RESEARCH

## **Exhibit 2: Product Tanker Orderbook to Fleet Ratio**

Newbuild orderbook is at 11% of active fleet, from ~5% range at lows.



Source: BofA Global Research estimates and Clarksons.

BofA GLOBAL RESEARCH



# Price objective basis & risk

## Scorpio Tankers Inc. (STNG)

Our \$63 price objective is based on an 5.0x EV/EBITDA multiple on our 2024 EBITDA estimate. Our valuation multiple is at the bottom of its 5x-9x historical trading range given we are at historically high product tanker rates, as global mobility strengthens, pricing rebounds as inventories reach decade-lows, orderbook remains at historic-lows, and ton mile demand is rising. The negative impacts from COVID disruptions are fading (North America and Europe stronger, Asia stabilizing) though softening economic outlook may weaken demand for refined products. Our multiple is below the bottom end of its range as earnings are set to significantly compound.

Upside risks to our PO are volatile charter rates, better-than-expected spot product tanker rates in 2022-23, lower-than-expected vessel deliveries in 2022-24, a spike in global oil demand, and higher-than-expected levels of scrapping in the market.

Downside risks to our PO are drop off in mobility (return of lockdowns, war disruptions, which have shown to increase ton mile demand), liquidity risk given rolling debt through 2024 versus cash generation (which depends on day rates rising above the daily fixed cost base), a weaker-than-expected rate environment, overcapacity due to greater-than-expected vessel deliveries and lower-than-expected scrapping rates, and weaker global demand for refined products.

# **Analyst Certification**

I, Ken Hoexter, 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.

#### **US - Transportation Coverage Cluster**

nvestment rating	Company	Bof A Ticker	Bloomberg symbol	Analyst
BUY				
	Canadian Pacific Kansas City Ltd	CP	CP US	Ken Hoexter
	CSX Corporation	CSX	CSX US	Ken Hoexter
	FedEx Corp.	FDX	FDX US	Ken Hoexter
	J.B. Hunt Transport Services	JBHT	JBHT US	Ken Hoexter
	Kirby Corp	KEX	KEX US	Ken Hoexter
	Knight-Swift Transportation Holdings Inc	KNX	KNX US	Ken Hoexter
	Old Dominion Freight Line	ODFL	ODFL US	Ken Hoexter
	RXO, Inc.	RXO	RXO US	Ken Hoexter
	Saia Inc.	SAIA	SAIA US	Ken Hoexter
	Union Pacific	UNP	UNP US	Ken Hoexter
	XPO, Inc.	XPO	XPO US	Ken Hoexter
NEUTRAL				
	Canadian National	CNI	CNI US	Ken Hoexter
	Norfolk Southern	NSC	NSC US	Ken Hoexter
	Schneider National	SNDR	SNDR US	Ken Hoexter
	Scorpio Tankers Inc.	STNG	STNG US	Ken Hoexter
	Teekay Tankers Limited	TNK	TNK US	Ken Hoexter
	TFI International	TFII	TFII US	Ken Hoexter
	TFI International	YTFII	TFII CN	Ken Hoexter
	UPS	UPS	UPS US	Ken Hoexter
	Wabtec Corp.	WAB	WAB US	Ken Hoexter
UNDERPERFORM				
	ArcBest Corporation	ARCB	ARCB US	Ken Hoexter
	C.H. Robinson	CHRW	CHRW US	Ken Hoexter
	The Greenbrier Companies	GBX	GBX US	Ken Hoexter
		WERN	WERN US	Ken Hoexter

## **US - Transportation Coverage Cluster**

Investment ratingCompanyBof A TickerBloomberg symbolAnalystWorld KinectWKCWKC USKen Hoexter

# **Q**method <sup>su</sup> Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) $\times$ (1 - Tax Rate) + Goodwill Amortization	Total Assets — Current Liabilities +ST Debt + Accumulated Goodwill Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt — Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt + Other LT Liabilities	Sales
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization

\*\*Monthod Shis the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. 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.

\*\*Modatabase\*\* 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.

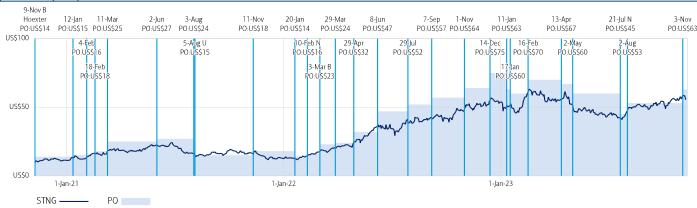
/Qprofile<sup>™</sup>, /Qmethod<sup>™</sup> are service marks of Bank of America Corporation. /Qdatabase<sup>®</sup> is a registered service mark of Bank of America Corporation.



# **Disclosures**

# **Important Disclosures**

#### Scorpio Tankers (STNG) 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: Transport/Infrastructure Group (as of 30 Sep 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	71	53.38%	Buy	43	60.56%
Hold	29	21.80%	Hold	13	44.83%
Sell	33	24.81%	Sell	17	51.52%

#### Equity Investment Rating Distribution: Global Group (as of 30 Sep 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1869	53.48%	Buy	1046	55.97%
Hold	828	23.69%	Hold	461	55.68%
Sell	798	22.83%	Sell	370	46.37%

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

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

# Investment rating Total return expectation (within 12-month period of date of initial rating) Buy ≥ 10% Ratings dispersion guidelines for coverage cluster<sup>R2</sup> ≤ 70%

Neutral  $\geq 10\%$   $\leq 70\%$  Neutral  $\geq 0\%$   $\leq 30\%$  Underperform N/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.

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: Scorpio Tankers.

BofAS together with its affiliates beneficially owns one percent or more of the common stock of this issuer. If this report was issued on or after the 9th day of the month, it reflects the ownership position on the last day of the previous month. Reports issued before the 9th day of a month reflect the ownership position at the end of the second month preceding the date of the report: Scorpio Tankers Inc.

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: Scorpio Tankers.

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.



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.

# **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 BofAS 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 Prudential 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 <a href="https://www.bofaml.com/BofASEdisclaimer">www.bofaml.com/BofASEdisclaimer</a>; 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 (Hong Kong): Merrill (Hong Ko (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch (Canada): 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 HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in Injapan or its permitted in Injapan 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 Regulations. 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 in Germany and is regulated by Merrill

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.

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



General Investment Related Disclosures:

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.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS 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 BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS 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 2023 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 inform

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 BofAS 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 BofAS 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.

