

Consumer & Retail

Spreads aren't frozen, everything else is

Industry Overview

Spreads cont. grinding, Consumer firm, but news frozen

Economic data remained strong and spreads inched tighter late last week amid lower expectations for a Fed cut in March. The **ICE BofA IG Corp Bond Index** tightened -1bp w/w, returning -0.93%. Non-Cyclicals were flat vs. Cyclicals -1bp, with returns of -1.15% & -1.09% respectively. December retail sales came in well above consensus (+0.6% vs +0.3% est.) but was more so driven by favorable seasonal adjustments rather than a true holiday uptick. Expect this to reverse in January. UofMich consumer sentiment in January reached 78.8 vs. consensus of 70.0 driven by easing inflation expectations. New issuance totaled \$49bn last week led by financials, while General Mills issued \$500mn for refinancing needs. This week \$15bn in supply is anticipated. See link here to our Issuance monitor with issuer-level supply expectations for 2024.

In Retail (-1bp), the National Retail Federation (NRF) announced that holiday sales increased +3.8% y/y at the high-end of its +3-4% estimated growth. Overall 2023 retail sales increased +3.6% y/y, missing its estimate of +4-6% growth. VF Corp disclosed that the cybersecurity breach that occurred on December 13th is no longer ongoing and positively will not be financially material. This implies that orders & sales recovered exiting 3Q into 4Q, customers accepted late deliveries (helped by cold weather picking up post-Christmas), the retail & wholesale channel was already full with inventory, and/or previously reduced FY guidance had a cushion built-in. Spreads tighted 5-7bps on Friday. In Food Retail (-4bps), Kroger, Albertsons, C&S Wholesale Grocers jointly announced that the Kroger/Albertsons merger is now expected to close in Kroger's 1H24 (ending Aug 17th, 2024) from prior expectations for an early 2024 close. We believe related bond issuance is likely delayed April at the earliest and is reliant on better insight around the FTC decision. The Washington state attorney general also officially filed a lawsuit to block the merger nationwide. We believe campaign politics play a role and while it impedes the deal from closing (unless carved out), states ultimately settle in alignment with federal recommendations. In convenience stores, we further detail 7-Eleven's recent results, guidance, & acquisition on page 3.

In **Consumer Products (flat)**, the Delaware Daubert hearing in the ongoing GSK/Zantac litigation is scheduled to begin January 22nd. Delaware has a history of following federal precedent and these are considered lower quality cases given they didn't qualify for consideration in the original federal MDL. GSK also trimmed its stake in Haleon this week by 3.2%; GSK now has a 4.2% stake in the company while Pfizer has a 32% stake. On Thursday, our equity counterparts will be hosting a call on Tobacco (-1bp) with the former CEO of Reynolds American (RAI) and we will be hosting a roundtable with Moody's Consumer Staples team.

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 15 to 18. Analyst Certification on page 15.

Valuation & Risk on page 15.

Timestamp: 22 January 2024 05:00AM EST

22 January 2024

High Grade Credit United States Retailing & Consumer

Brian Callen, CFA Research Analyst BofAS +1 646 855 8987 brian.callen@bofa.com

Divya Kumaresan Research Analyst BofAS +1 646 855 6636 divva.kumaresan@bofa.com

Exhibit 1: Market week ended 1/19/24

Last week's market performance

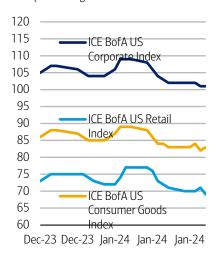
Market	Value	WoW
IG ICE BofA Index	101	(1)
IG ICE BofA Index (yld)	5.31	+17
HY ICE BofA Index	463	(2)
HY ICE BofA Index (yld)	7.93	+15
CDX IG 5yr	55	(0)
CDX HY 5yr	355	+2
Consumer Cyclicals	69	(1)
Consumer Non-Cyclicals	83	+0
5yr Treasury (yld)	4.05	+22
10yr Treasury (yld)	4.12	+18
30yr Treasury (yld)	4.33	+15
S&P 500 (index)	4,840	1.2%

Source: ICE Data Indices, LLC, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 2: Consumer/Retail Spreads

1mo spreads range-bound



Source: ICE Data Indices, LLC, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 3: Upcoming Consumer/Retail Events Calendar

2-week calendar of events, subject to change

		January 2024		
Mon, Jan-22	Tue, Jan-23	Wed, Jan-24	Thu, Jan-25	Fri, Jan-26
	PG 2Q24 earnings	KMB 4Q23 earnings	MKC 4Q23 earnings	ADM 4Q23 earnings
				CL 4Q23 earnings
Mon, Jan-29	Tue, Jan-30	Wed, Jan-31	Thu, Feb-01	Fri, Feb-02
WHR 4Q23 earnings	DGELN 1H24 earnings		BC 4Q23 earnings	CHD 4Q23 earnings
	SYY 2Q24 earnings		TSCO 4Q23 earnings	
	SBUX 1Q24 earnings		MO 4Q23 earnings	
	MDLZ 4Q23 earnings		CLX 2Q24 earnings	

Source: Company filings, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 4: Notable Weekly Movers

CHD widened the most last week

	A	ctive Cash 1	rading				Active CI	OS	
ls	ssuer	Chg (G- spread)	ls	suer		Chg (G- spread)	Entity	5y	Chg
CHD	3.150% 8/1/2027	+9	DRI	3.850%	5/1/2027	-17	Whirlpool	143	4
EL	2.600% 4/15/2030	+7	MDLZ	2.250%	9/19/2024	-15	Best Buy	66	1
HAS	3.900% 11/19/2029	+6	HAS	5.100%	5/15/2044	-14	AutoZone	36	-1
VFC	2.950% 4/23/2030	+6	PVH	4.625%	7/10/2025	-14	Kroger	50	-1
COST	1.750% 4/20/2032	+5	CAG	5.400%	11/1/2048	-12	Tyson Foods	67	-2

Source: ICE Data Indices, LLC, Bloomberg

BofA GLOBAL RESEARCH

Notable Consumer & Retail credit news

Retail

VF Corp (VFC, Baa3/BBB/--) disclosed in an amended 8-K that the cybersecurity breach that occurred on December 13th is no longer ongoing and in a positive surprise, the total impact from the incident is "not material" and not reasonably likely to be material to financials. Despite material disruption to operations including replenishment of retail store inventory, delayed order fulfillment (leading to cancellations), lower ecommerce demand, and wholesale shipment delays, the update implies orders & sales recovered exiting 3Q into 4Q, customers accepted late deliveries (helped by cold weather picking up post-Christmas), the retail & wholesale channel was already full with inventory, and/or previously reduced FY guidance had cushion built in. VFC is still experiencing minor residual impacts from the cyber incident but is caught up on fulfilling orders that were delayed.

VFC believes that the threat was removed from IT systems on December 15th though note that systems were still down as of the 8-K on Dec 18th. The company estimates that the threat actor stole personal data of ~35.5mn individual consumers.

The **National Retail Federation (NRF)** announced that total holiday retail sales (November through December, ex-autos, gas, restaurants) increased +3.8% y/y (\$964bn) at the high-end of the NRF's projection of +3-4% growth. Online & other non-store sales increased +8.2% y/y, in-line with est. of +7-9%. The holiday sales result was driven by a resilient consumer, the easing price of goods, and a healthy labor market; pre-COVID holiday sales averaged +3.6% annual growth (2010-2019).

 Electronics & appliance stores (+9.3%), HPC (+9%), clothing & clothing accessory stores (+3%), and general merchandise stores (+2%) categories experienced greatest y/y growth (2-month combined, unadj.); building materials & garden supply stores (-3.9%), furniture & home furnishing stores (-6.2%) were the only negative categories



Overall 2023 retail sales increased +3.6% y/y, missing the NRF's +4-6% est.

Food Retail

Seven & i Holdings (SEVENI) reported 3Q23 results including results from its overseas convenience store business **7-Eleven (SVELEV, Baa2/A/--)**. SVELEV revenues declined -9% y/y due to lower fuel sales (avg retail fuel price declines & lower gallons sold) and merchandise SSS down slightly y/y (-0.2%, including softer traffic). The company noted macroeconomic challenges eroding purchasing power and evolving consumer behavior becoming more cautious & value-oriented which has continued into 4Q, combined with increasing difficulty in pushing through price increases to offset operating costs. 1H24 is expected to remain challenging for the US consumer. EBITDA was flat y/y as lower fuel volumes & per gallon profitability were partially offset by sourcing & category mix helping merchandise gross margin and lower expenses via incentive comp (better than expectations). FY23 guidance was lowered slightly reflecting slightly weakening SSS and narrower margins (both merchandise & fuel) but consolidated SEVENI outlook was unchanged and in-line with consensus.

- SVELEV net leverage is 2.4x and in 3Q repaid \$150mn of term loan outstanding (\$3.2bn outstanding)
- FY23 guidance (SVELEV): a) same-store sales guidance lowered -10bps to +1.2%, b)
 merchandise margins lowered -10bps to +30bps, fuel margins outlook lowered but
 still expected to be overall stable, c) EBITDA outlook slightly lowered ~5bn yen, and
 d) capex \$1.2-1.3bn

Separately, SVELEV jointly announced the acquisition of 204 convenience and gasoline retail stores from Sunoco (across Western Texas, New Mexico, Oklahoma) for \$950mn or 12.9x EBITDA (Yr 1) or 10.9x at closing. The company highlighted that the retail market in the US is highly fragmented (SVELEV holds 8.3% market share, ahead of Alimentation Couche-Tard and Casey's General Stores) and as such they see opportunity to further expand through both acquisitions & organic growth. The company acquired the bulk of the Sunoco stores, excluding Stripes & Laredo Taco, back in 2018. SVELEV has historically had success with acquiring regional retail operators (around several hundred stores). The company commented that "[we have] deleveraged following the acquisition of Speedway, meaning we have debt capacity to aggressively participate in M&A if there's a good opportunity" and that it is seeing considerable deal flow activity in the U.S.

• The stores are large format facilities with fuel operations (63% merchandise GP and 37% fuel GP) and 68% of the real estate is owned

Kroger (KR, Baa1/BBB/--), Albertsons Cos (ACI), and C&S Wholesale Grocers jointly announced that the KR/ACI merger is now expected to close in Kroger's 1H24 (ending August 17th, 2024) vs. prior expectations for an early 2024 close due to continued dialogue with regulators. "While this is longer than we originally thought, we knew it was a possibility and our merger agreement and divestiture plan accounted for such potential timing."

Separately, Washington state attorney general Bob Ferguson officially filed a lawsuit to block the KR/ACI merger nationwide following headlines last week. Ferguson, who is also running for governor, asserts that the merger eliminates KR's closest competitor and decreases customer choice by significantly increasing the concentration of stores owned by the same company throughout Washington.

We hosted a call recently with our event-driven/merger arb specialists on the KR/ACI transaction. Please <u>reach out</u> if you missed it and would like to discuss takeaways.



Recent New Issuance

General Mills (Baa2/BBB) issued \$500mn 3yr Notes. The use of proceeds is to repay a portion of the 3.65% notes due February 15, 2024.



BofA Current Recommendations

Exhibit 7: Cash & CDS ratings

BofA cash & CDS ratings

			Cash			CDS	
Name	Ticker	Overweight	Marketweight	Underweight	Buy Protection	Neutral	Sell Protection
O'Reilly Automotive	ORLY	√	•	•			•
The Home Depot	HD		√			\checkmark	
Anheuser-Busch InBev SA/NV*	ABIBB		√				
Advance Auto Parts	AAP		\checkmark				
McCormick & Co	MKC	√					
Campbell Soup Co.	СРВ	√				\checkmark	
Sysco Corp.	SYY	√					
Keurig Dr. Pepper	KDP	√					
Lowe's	LOW	√				\checkmark	
Tyson Foods	TSN			\checkmark		\checkmark	
Conagra Brands	CAG		\checkmark			\checkmark	
Kellogg*	K		\checkmark				
Kraft Heinz	KHC	√					\checkmark
General Mills Inc.	GIS		\checkmark			\checkmark	
AutoZone	AZO		\checkmark			\checkmark	
Kroger	KR		\checkmark				√
Nordstrom	JWN		\checkmark				\checkmark
Dollar General Corp.	DG		\checkmark				
Mondelez International	MDLZ		√				√
Mondelez Int'l Holdings Netherlands	MDLZ		\checkmark				
J.M. Smucker	SJM		\checkmark				
The Coca-Cola Company	KO		\checkmark				
PepsiCo	PEP		\checkmark				
Pilgrim's Pride	PPC		\checkmark				
Mattel	MAT		\checkmark				
The Hershey Co.	HSY		√			√	

Source: BofA Global Research;

Notes (*): Underweight K long-end, Overweight ABIBB long-end (\$)

BofA GLOBAL RESEARCH

Market Snapshot

Exhibit 6: BofA HG Index vs. Consumer/Retail Sectors

Consumer/Retail 1-year spread performance tightens after rate volatility, inflation pressure



Jan-23 Feb-23Mar-23Apr-23May-23Jun-23 Jul-23 Aug-23Aug-23Sep-23Oct-23Nov-23Dec-23 Jan-2

Source: ICE Data indices, LLC

Consumer & Retail | 22 January 2024

Exhibit 9: ICE Data Indices Investment Grade Index

Benchmark spread and credit metrics by issuer

				Spre	eads (O	AS)							To	tal Re	turns			Ex	cess Re	turns	
	Num of Issues	% of Index	OAS	1 week	MTD	OTD	YTD	Price	YTW	Modified Duration		1 week	MTD	OTD	YTD	12 month	1 week	MTD	QTD	YTD	12 month
US Corporate Index	10,160			s -1 bps		_		\$92.2	5.31%	6.7	A3	-0.93%				3.19%	25 bps			49 bps	
Rating Categories	_																				
AAA US Corporate Index	118	1.1%	35 bps	-1 bps	-5 bps	-5 bps	-5 bps	\$86.4	4.70%	9.2	AAA	-1.35%	-1.65%	-1.65%	-1.65%	-0.01%	22 bps	79 bps	79 bps	79 bps	347 bps
AA US Corporate Index	779	8.1%	53 bps	-2 bps	-3 bps	-3 bps	-3 bps	\$90.1	4.86%	7.2	AA3	-1.03%	-1.33%	-1.33%	-1.33%	1.38%	23 bps	41 bps	41 bps	41 bps	311 bps
Single-A US Corporate Index	4,111	43.5%	85 bps	-2 bps	-3 bps	-3 bps	-3 bps	\$92.5	5.16%	6.7	A2	-0.93%	-1.10%	-1.10%	-1.10%	2.56%	25 bps	42 bps	42 bps	42 bps	349 bps
BBB US Corporate Index	5,152	47.3%	124 bp:	s -2 bps	-5 bps	-5 bps	-5 bps	\$92.5	5.54%	6.6	BBB2	-0.91%	-0.91%	-0.91%	-0.91%	4.14%	26 bps	56 bps	56 bps	56 bps	504 bps
Maturity																					
1-3 Year US Corporate Index	2,088	22.8%	74 bps	0 bps	-2 bps	-2 bps	-2 bps	\$96.8	5.25%	1.8	A3	-0.29%	0.09%	0.09%	0.09%	4.72%	0 bps	8 bps	8 bps	8 bps	119 bps
3-5 Year US Corporate Index	1,780	18.6%	93 bps	-1 bps				\$96.6	5.10%	3.5	A3	-0.61%	-0.30%	-0.30%	-0.30%	4.44%	9 bps	9 bps	9 bps	9 bps	249 bps
5-7 Year US Corporate Index	1,216	12.1%	106 bp:	s -1 bps	-2 bps	-2 bps	-2 bps	\$92.3	5.17%	5.2	BBB1	-0.94%	-0.72%	-0.72%	-0.72%	4.02%	9 bps	15 bps	15 bps		
7-10 Year US Corporate Index	1,456	15.0%	125 bp:	s -3 bps	-1 bps	-1 bps	-1 bps	\$92.5	5.38%	6.8	A3	-1.01%	-1.32%	-1.32%	-1.32%	3.28%	28 bps	11 bps	11 bps	11 bps	454 bps
10-15 Year US Corporate Index	560			s -4 bps				\$100.8	5.44%	8.7	A3	-1.26%	-1.39%	-1.39%	-1.39%	2.99%	30 bps	71 bps	71 bps	71 bps	593 bps
15+ Year US Corporate Index	3,060	26.3%	108 bp:	s -4 bps	-9 bps	-9 bps	-9 bps	\$84.5	5.51%	13.5	A3	-1.61%	-2.40%	-2.40%	-2.40%	0.61%	64 bps	144 bps	144 bps	144 bps	s 736 bps
Industry																					
US Corporate Index	•																				
Industrials	6,053	58.9%	93 bps	-1 bps	-4 bps	-4 bps	-4 bps	\$91.5	5.23%	7.4	A3	-1.07%	-1.23%	-1.23%	-1.23%	2.85%	24 bps	53 bps	53 bps	53 bps	452 bps
Consumer Cyclicals	348	3.6%	69 bps	-1 bps	-3 bps	-3 bps	-3 bps	\$90.6	4.98%	7.7	A2	-1.09%	-1.36%	-1.36%	-1.36%	1.96%	27 bps	52 bps	52 bps	52 bps	390 bps
US Corp Retail	263	2.9%	66 bps	-1 bps	-3 bps	-3 bps	-3 bps	\$90.5	4.95%	7.7	A2	-1.08%	-1.35%	-1.35%	-1.35%	1.88%	28 bps	53 bps	53 bps	53 bps	383 bps
US Corp Food & Drug Retail	37	0.3%	110 bp:	s -4 bps	-4 bps	-4 bps	-4 bps	\$88.6	5.38%	7.6	BBB2	-0.97%	-1.24%	-1.24%	-1.24%	2.57%	36 bps	55 bps	55 bps	55 bps	398 bps
US Corp Restaurants	48	0.4%	65 bps	0 bps	-2 bps	-2 bps	-2 bps	\$92.8	4.98%	7.9	BBB1	-1.20%	-1.54%	-1.54%	-1.54%	1.96%	18 bps	39 bps	39 bps	39 bps	426 bps
Consumer Non-Cyclicals	601	5.6%	83 bps	0 bps	-2 bps	-2 bps	-2 bps	\$92.6	5.11%	7.4	A3	-1.15%	-1.31%	-1.31%	-1.31%	2.81%	16 bps	42 bps	42 bps	42 bps	436 bps
US Corp Beverage	164	1.8%	64 bps	0 bps	-2 bps	-2 bps	-2 bps	\$92.2	4.94%	8.4	А3	-1.33%	-1.70%	-1.70%	-1.70%	1.78%	15 bps	38 bps	38 bps	38 bps	450 bps
US Corp Food Wholesale	234	1.9%	88 bps	-1 bps	-2 bps	-2 bps	-2 bps	\$92.3	5.16%	7.0	BBB1	-1.06%	-1.28%	-1.28%	-1.28%	2.53%	18 bps	34 bps	34 bps	34 bps	373 bps
US Corp Tobacco	80	1.0%	122 bp:	s -1 bps	-7 bps	-7 bps	-7 bps	\$93.2	5.52%	6.9	BBB1	-1.02%	-0.71%	-0.71%	-0.71%	5.48%	20 bps	85 bps	85 bps	85 bps	629 bps
US Corp Consumer Products	123	0.9%	64 bps	0 bps	-1 bps	-1 bps	-1 bps	\$93.3	4.89%	6.5	A2	-1.10%	-1.26%	-1.26%	-1.26%	2.39%	8 bps	18 bps	18 bps	18 bps	303 bps

Source: BofA Global Research, Bloomberg

Exhibit 10: Recent Sector New IssuanceConsumer/Retail new issuance tracker in reverse chronological order

ssue Date	Ticker	Issuer	Rating (Moody's/S&P)	Size	Coupon	Maturity	New Issu Spread
01/16/2024	GIS	GENERAL MILLS	Baa2/BBB	\$500	4.700%	01/30/2027	70
01/04/2024	BIMBOA	BIMBO BAKERIES USA	Baa1/BBB+	\$450	6.050%	01/15/2029	115
01/04/2024	BIMBOA	BIMBO BAKERIES USA	Baa1/BBB+	\$800	5.375%	01/09/2036	150
11/27/2023					5.125%		28
	HD	HOME DEPOT	A2/A	\$500		04/30/2025	
11/27/2023	HD	HOME DEPOT	A2/A	\$750	4.950%	09/30/2026	43
11/27/2023	HD	HOME DEPOT	A2/A	\$750	4.900%	04/15/2029	58
11/15/2023	TPR	TAPESTRY INC	Baa2/BBB	\$500	7.050%	11/27/2025	220
1/15/2023	TPR	TAPESTRY INC	Baa2/BBB	\$750	7.000%	11/27/2026	240
11/15/2023	TPR	TAPESTRY INC	Baa2/BBB	\$1,000	7.350%	11/27/2028	290
1/15/2023	TPR	TAPESTRY INC	Baa2/BBB	\$1,000	7.700%	11/27/2030	320
1/15/2023	TPR	TAPESTRY INC	Baa2/BBB	\$1,250	7.850%	11/27/2033	340
1/13/2023	ORLY	O'REILLY AUTOMOTIVE	Baa1/BBB	\$750	5.750%	11/20/2026	95
1/08/2023	PEP	PEPSICO	A1/A+	\$800	5.250%	11/10/2025	35
1/08/2023	PEP	PEPSICO	A1/A+	\$700	5.125%	11/10/2026	43
1/06/2023	SYY	SYSCO CORP	Baa1/BBB	\$500	5.750%	01/17/2029	120
1/06/2023	SYY	SYSCO CORP	Baa1/BBB	\$500	6.000%	01/17/2034	147
0/30/2023	BIMBOA	BIMBO BAKERIES USA	Baa1/BBB+	\$450	6.050%	01/15/2029	125
0/30/2023	BIMBOA	BIMBO BAKERIES USA	Baa1/BBB+	\$550	6.400%	01/15/2034	155
0/30/2023	MO	ALTRIA	A3/BBB	\$500		11/01/2028	145
				\$500 \$500	6.200%		205
0/30/2023	MO	ALTRIA	A3/BBB		6.875%	11/01/2033	
0/23/2023	GPC	GENUINE PARTS CO	Baa1/BBB	\$425	6.500%	11/01/2028	180
0/23/2023	GPC	GENUINE PARTS CO	Baa1/BBB	\$375	6.875%	11/01/2033	210
0/19/2023	AZO	AUTOZONE	Baa1/BBB	\$500	6.250%	11/01/2028	132
0/19/2023	AZO	AUTOZONE	Baa1/BBB	\$500	6.550%	11/01/2033	162
0/11/2023	SJM	JM SMUCKER	Baa2/BBB	\$750	5.900%	11/15/2028	130
0/11/2023	SJM	JM SMUCKER	Baa2/BBB	\$1,000	6.200%	11/15/2033	160
0/11/2023	SJM	JM SMUCKER	Baa2/BBB	\$750	6.500%	11/15/2043	163
0/11/2023	SJM	JM SMUCKER	Baa2/BBB	\$1,000	6.500%	11/15/2053	180
0/10/2023	GIS	GENERAL MILLS	Baa2/BBB	\$500	5.500%	10/17/2028	103
0/04/2023	DRI	DARDEN RESTAURANTS	Baa2/BBB	\$500	6.300%	10/10/2033	165
0/02/2023	DGELN	DIAGEO CAPITAL	A3/A-	\$800	5.375%	10/05/2026	60
0/02/2023	DGELN	DIAGEO CAPITAL	A3/A-	\$900	5.625%	10/05/2034	100
9/27/2023	PPC	PILGRIM'S PRIDE CORP	Ba2/BBB-	\$500	6.875%	05/15/2034	250
9/06/2023	NESNVX	NESTLE HOLDINGS	A3/AA-	\$500	5.000%	09/12/2028	57
	NESNVX						
9/06/2023		NESTLE HOLDINGS	A3/AA-	\$500	5.000%	09/12/2030	67
9/06/2023	NESNVX	NESTLE HOLDINGS	A3/AA-	\$500	5.000%	09/12/2033	77
9/05/2023	UNANA	UNILEVER CAPITAL CORP	A1/A+	\$700	4.875%	09/08/2028	55
9/05/2023	UNANA	UNILEVER CAPITAL CORP	A1/A+	\$800	5.000%	12/08/2033	85
9/05/2023	JBSSBZ	JBS USA	Baa3/BBB-	\$1,600	6.750%	03/15/2034	250
9/05/2023	JBSSBZ	JBS USA	Baa3/BBB-	\$900	7.250%	11/15/2053	290
9/05/2023	PM	PHILIP MORRIS INTERNATIONAL	A2/A-	\$650	5.250%	09/07/2028	105
9/05/2023	PM	PHILIP MORRIS INTERNATIONAL	A2/A-	\$700	5.500%	09/07/2030	135
9/05/2023	PM	PHILIP MORRIS INTERNATIONAL	A2/A-	\$1,000	5.625%	09/07/2033	160
8/14/2023	MCD	MCDONALD'S CORP	Baa1/BBB+	\$600	4.800%	08/14/2028	68
8/14/2023	MCD	MCDONALD'S CORP	Baa1/BBB+	\$600	4.950%	08/14/2033	98
8/14/2023	MCD	MCDONALD'S CORP	Baa1/BBB+	\$800	5.450%	08/14/2053	128
7/31/2023	BATSLN	BRITISH AMERICAN TOBACCO	Baa2/BBB+	\$1,000	5.931%	02/02/2029	175
7/31/2023	BATSLN	BRITISH AMERICAN TOBACCO	Baa2/BBB+	\$1,000	6.343%	08/02/2030	225
7/31/2023	BATSLN	BRITISH AMERICAN TOBACCO	Baa2/BBB+	\$1,250	6.421%	08/02/2033	245
7/31/2023	BATSLN	BRITISH AMERICAN TOBACCO	Baa2/BBB+	\$750	7.079%	08/02/2043	285
7/31/2023	BATSLN	BRITISH AMERICAN TOBACCO	Baa2/BBB+	\$1,000	7.081%	08/02/2053	305
7/18/2023	AZO	AUTOZONE	Baa1/BBB	\$450	5.050%	07/15/2026	75
7/18/2023	AZO	AUTOZONE	Baa1/BBB	\$300	5.200%	08/01/2033	143
7/17/2023	CAG	CONAGRA BRANDS	Baa3/BBB-	\$500	5.300%	10/01/2026	100
5/06/2023	BACARD	BACARDI	Baa3/BBB-	\$400	5.250%	01/15/2029	140
5/06/2023	BACARD	BACARDI	Baa3/BBB-	\$700	5.400%	06/15/2033	175
5/06/2023	BACARD	BACARDI	Baa3/BBB-	\$400	5.900%	06/15/2043	190
5/05/2023	DG	DOLLAR GENERAL	Baa2/BBB	\$500	5.200%	07/05/2028	137
5/05/2023	DG	DOLLAR GENERAL	Baa2/BBB	\$1,000	5.450%	07/05/2033	177
5/09/2023	EL	ESTEE LAUDER	A1/A+	\$700	4.375%	05/15/2028	90
5/09/2023		ESTEE LAUDER ESTEE LAUDER	A1/A+	\$700	4.650%	05/15/2028	115
	EL						
5/09/2023	EL	ESTEE LAUDER	A1/A+	\$600	5.150%	05/15/2053	135
5/01/2023	HSY	HERSHEY	A1/A	\$350	4.250%	05/04/2028	67
5/01/2023	HSY	HERSHEY	A1/A	\$400	4.500%	05/04/2033	97
5/01/2023	TSCO	TRACTOR SUPPLY	Baa1/BBB	\$750	5.250%	05/15/2033	175
4/27/2023	STZ	CONSTELLATION BRANDS	Baa3/BBB	\$750	4.900%	05/01/2033	147

Source: BofA Global Research, Bloomberg Data excludes FRN



Exhibit 11: Retail Historical Spread & Return Monitor

Benchmark spreads and credit metrics by issuer



Source: BofA Global Research, Bloomberg

Exhibit 12: Restaurant, Food & Drug Retail Historical Spread & Return Monitor Benchmark spread and credit metrics by issuer

|
 |
 |
 |

 |

 |
 |

 |

 |
 |
 |
 |
 | | | | | Credit
 | Metrics | |

--

--
--

--
--
--

--

--
--
--

--
---|--
--
---|--|--|--|---|--|-----------
---|
|
 |
 |
 |

 |

 |
 |

 |

 |
 |
 |
 |
 | | | | Total | Net
 | | |
|
 |
 | Outstanding
 | Ratings

 |

 | Cı
 | urrent Pi

 | . 0

 |
 | 5-yr
 |
 | LTM
 | | | Net | Debt/ | Debt/
 | | EV / |
| _
 |
 | /A
 | 141 (COD/E)

 |

 |
 |

 | ٠.

 | •
 |
 | _
 |
 | | | | |
 | | |
|
 |
 | . ,
 |

 |

 |
 |

 | -

 |
 |
 |
 |
 | | | | |
 | | EBITDAR |
|
 |
 |
 |

 |

 | 4
 |

 |

 |
 |
 | \$35,976
 | \$8,741
 | \$24,600 | \$3,953 | \$426 | 2.8x | 2.4x
 | \$127,344 | 14.1x |
|
 |
 |
 |

 |

 | T
 |

 |

 |
 |
 |
 |
 | | | | |
 | | |
| 3.000%
 | 2/14/2032
 | \$1,000
 | Baa1 / BBB+ /

 | S/S/

 | \$88.0
 | 4.82%

 | 69

 | 70
 |
 |
 |
 | | | | |
 | | |
| 4.800%
 | 2/15/2033
 | \$500
 | Baa1 / BBB+ /

 | S/S/

 | \$99.7
 | 4.84%

 | 70

 | 71
 |
 |
 |
 | | | | |
 | | |
| 3.350%
 | 3/12/2050
 | \$500
 | Baa1 / BBB+ /

 | S/S/

 | \$71.7
 | 5.38%

 | 96

 | 96
 |
 |
 |
 | | | | |
 | | |
| 3.500%
 | 11/15/2050
 | \$1,250
 | Baa1 / BBB+ /

 | S/S/

 | \$74.1
 | 5.33%

 | 93

 | 92
 |
 |
 |
 | | | | |
 | | |
| 3.600%
 | 7/1/2030
 | \$1,000
 | Baa1 / BBB+ /

 | S/S/

 | \$93.7
 | 4.74%

 | 63

 | 64
 | 26
 | \$25,014
 | \$15,156
 | \$49,082 | \$3,496 | \$358 | 3.3x | 3.1x
 | \$264,241 | 17.3x |
| 4.600%
 | 9/9/2032
 | \$750
 | Baa1 / BBB+ /

 | S/S/

 | \$99.4
 | 4.69%

 | 55

 | 56
 |
 |
 |
 | | | | |
 | | |
| 4.950%
 | 8/14/2033
 | \$600
 | Baa1 / BBB+ /

 | S/S/

 | \$100.4
 | 4.90%

 | 76

 | 76
 |
 |
 |
 | | | | |
 | | |
| 4.200%
 | 4/1/2050
 | \$750
 | Baa1 / BBB+ /

 | S/S/

 | \$84.5
 | 5.30%

 | 89

 | 89
 |
 |
 |
 | | | | |
 | | |
| 5.150%
 | 9/9/2052
 | \$750
 | Baa1 / BBB+ /

 | S/S/

 | \$97.7
 | 5.31%

 | 93

 | 92
 |
 |
 |
 | | | | |
 | | |
| 5.450%
 | 8/14/2053
 | \$800
 | Baa1 / BBB+ /

 | S/S/

 | \$102.3
 | 5.30%

 | 93

 | 92
 |
 |
 |
 | | | | |
 | | |
| 1.700%
 | 1/15/2031
 | \$500
 | Baa1 / BBB /

 | N/N/

 | \$79.9
 | 5.17%

 | 104

 | 106
 | 51
 | \$147,798
 | \$7,946
 | \$19,839 | \$1,725 | \$1,330 | 2.5x | 2.3x
 | \$51,146 | 6.2x |
| 5.400%
 | 1/15/2049
 | \$600
 | Baa1 / BBB /

 | N/N/

 | \$96.6
 | 5.65%

 | 123

 | 123
 |
 |
 |
 | | | | |
 | | |
| 3.950%
 | 1/15/2050
 | \$750
 | Baa1 / BBB /

 | N/N/

 | \$78.7
 | 5.50%

 | 108

 | 108
 |
 |
 |
 | | | | |
 | | |
| 1.800%
 | 2/10/2031
 | \$1,700
 | Baa2 / A /

 | S/S/

 | \$80.1
 | 5.22%

 | 111

 | 111
 |
 |
 |
 | | | | |
 | | |
| 2.800%
 | 2/10/2051
 | \$1,250
 | Baa2 / A /

 | S/S/

 | \$62.3
 | 5.49%

 | 109

 | 109
 |
 |
 |
 | | | | |
 | | |
| 2.950%
 | 1/25/2030
 | \$750
 | Baa1 / BBB+ /

 | S/S/

 | \$88.8
 | 5.14%

 | 103

 | 106
 |
 | \$68,368
 | \$5,791
 | \$9,466 | \$1,405 | (\$229) | 1.6x | 1.4x
 | \$67,473 | 10.1x |
| 3.625%
 | 5/13/2051
 | \$350
 | Baa1 / BBB+ /

 | S/S/

 | \$70.9
 | 5.75%

 | 136

 | 135
 |
 |
 |
 | | | | |
 | | |
| 3.850%
 | 5/1/2027
 | \$500
 | Baa2 / BBB / BBB

 | S/S/S

 | \$96.8
 | 4.93%

 | 76

 | 80
 | 46
 | \$10,772
 | \$3,875
 | \$8,965 | \$192 | (\$157) | 3.4x | 3.3x
 | \$25,821 | 12.8x |
| 6.300%
 | 10/10/2033
 | \$500
 | Baa2 / BBB / BBB

 | S/S/S

 | \$105.2
 | 5.59%

 | 144

 | 145
 |
 |
 |
 | | | . , | |
 | | |
| 4.550%
 | 2/15/2048
 | \$300
 | Baa2 / BBB / BBB

 | S/S/S

 | \$81.6
 | 6.01%

 | 157

 | 157
 |
 |
 |
 | | | | |
 | | |
|
 | 2/15/2030
 | \$1,000
 |

 |

 |
 |

 |

 | 176
 | 109
 | \$79,163
 | \$3,862
 | \$15,036 | \$223 | (\$3,537) | 3.9x | 3.8x
 | \$27,173 | 5.5x |
|
 | 2.250%
2.550%
3.000%
4.800%
3.350%
3.500%
4.600%
4.950%
4.200%
5.150%
5.450%
1.700%
5.400%
3.950%
1.800%
2.800%
2.950%
3.625%
3.850%
6.300%
4.550%
 | 2.550% 11/15/2030 3.000% 2/14/2032 4.800% 2/15/2033 3.350% 3/12/2050 3.500% 11/15/2050 3.600% 7/1/2030 4.600% 9/9/2032 4.950% 8/14/2033 4.200% 4/1/2050 5.150% 9/9/2052 5.450% 8/14/2053 1.700% 1/15/2031 5.400% 1/15/2049 3.950% 1/15/2049 3.950% 2/10/2051 2.800% 2/10/2051 2.800% 2/10/2051 2.950% 1/25/2030 3.625% 5/13/2051 3.850% 5/1/2027 6.300% 10/10/2033 4.550% 2/15/2048
 | 2.250% 3/12/2030 \$750 2.550% 11/15/2030 \$1,250 3.000% 2/14/2032 \$1,000 4.800% 2/15/2033 \$500 3.350% 3/12/2050 \$500 3.500% 11/15/2050 \$1,250 3.600% 7/1/2030 \$1,000 4.600% 9/9/2032 \$750 4.950% 8/14/2033 \$600 4.200% 4/1/2050 \$750 5.150% 9/9/2052 \$750 5.450% 8/14/2053 \$800 1.700% 1/15/2031 \$500 5.400% 1/15/2049 \$600 3.950% 1/15/2050 \$750 1.800% 2/10/2031 \$1,700 2.800% 2/10/2031 \$1,700 2.800% 2/10/2051 \$1,250 2.950% 1/25/2030 \$750 3.625% 5/13/2051 \$350 3.850% 5/1/2027 \$500 6.300% 10/10/2033 \$500 <tr <="" td=""><td>Coupon Maturity (\$mil) Mdy/\$&p/Fit 2.250% 3/12/2030 \$750 Baal / BBB+ / 2.550% 11/15/2030 \$1,250 Baal / BBB+ / 3.000% 2/14/2032 \$1,000 Baal / BBB+ / 4.800% 2/15/2033 \$500 Baal / BBB+ / 3.350% 3/12/2050 \$500 Baal / BBB+ / 3.500% 7/1/2030 \$1,000 Baal / BBB+ / 3.600% 7/1/2030 \$1,000 Baal / BBB+ / 4.600% 9/9/2032 \$750 Baal / BBB+ / 4.200% 4/1/2050 \$750 Baal / BBB+ / 5.150% 8/14/2033 \$600 Baal / BBB+ / 5.150% 8/14/2053 \$800 Baal / BBB+ / 5.450% 8/14/2053 \$800 Baal / BBB+ / 5.450% 1/15/2049 \$600 Baal / BBB / 5.400% 1/15/2050 \$750 Baal / BBB / 1.800% 2/10/2031 \$1,700 Baa2 / A / 2.800%<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ 3.500% 7/1/2030 \$1,000 Baal /
BBB+/ \$/\$ 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ 5.150% 9/9/2052 \$750 Baal / BBB+/ \$/\$ 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$ 5.400% 1/15/2049 \$600 Baal / BBB-/ \$/\$ 5.400% 1/15/2050 \$750 Baal / BBB-/ \$/\$</td><td>Coupon Maturity (\$mil) Mdy/\$8.P/Fit Outlook Bid 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$88.0 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$88.0 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.7 3.500% 71/12030 \$1,000 Baal / BBB+/ \$/\$ \$93.7 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$99.4 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ \$99.4 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$97.7 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$./- \$102.3 1.700% 1/15/2049 \$600 Baal / BBB+/ \$/\$./- \$80.1 <td>Coupon Maturity (\$mil) Mdy/\$\\$x\$P/Fit Outlook Bid YTW 2.250% 3/12/2030 \$750 Baa1 / BBB+/ \$/5/ \$87.1 4.70% 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/ \$/5/ \$87.2 4.77% 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/ \$/5 / \$88.0 4.82% 4.800% 2/15/2033 \$500 Baa1 / BBB+/ \$/5 / \$99.7 4.84% 3.350% 3/12/2050 \$500 Baa1 / BBB+/ \$/5 / \$71.7 5.38% 3.500% 11/15/2050 \$1,250 Baa1 / BBB+/ \$/5 / \$71.1 5.38% 3.600% 7/1/2030 \$1,000 Baa1 / BBB+/ \$/5 / \$93.7 4.74% 4.600% 9/9/2032 \$750 Baa1 / BBB+/ \$/5 / \$91.0 4.99% 4.200% 4/1/2050 \$750 Baa1 / BBB+/ \$/5 / \$91.7 5.31% 5.450% 8/14/2053 \$800 <t< td=""><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/<!--</td--><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td></td></t<></td></td></td></tr> | Coupon Maturity (\$mil) Mdy/\$&p/Fit 2.250% 3/12/2030 \$750 Baal / BBB+ / 2.550% 11/15/2030 \$1,250 Baal / BBB+ / 3.000% 2/14/2032 \$1,000 Baal / BBB+ / 4.800% 2/15/2033 \$500 Baal / BBB+ / 3.350% 3/12/2050 \$500 Baal / BBB+ / 3.500% 7/1/2030 \$1,000 Baal / BBB+ / 3.600% 7/1/2030 \$1,000
 Baal / BBB+ / 4.600% 9/9/2032 \$750 Baal / BBB+ / 4.200% 4/1/2050 \$750 Baal / BBB+ / 5.150% 8/14/2033 \$600 Baal / BBB+ / 5.150% 8/14/2053 \$800 Baal / BBB+ / 5.450% 8/14/2053 \$800 Baal / BBB+ / 5.450% 1/15/2049 \$600 Baal / BBB / 5.400% 1/15/2050 \$750 Baal / BBB / 1.800% 2/10/2031 \$1,700 Baa2 / A / 2.800% <td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ 3.500% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ 5.150% 9/9/2052 \$750 Baal / BBB+/ \$/\$ 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$ 5.400% 1/15/2049 \$600 Baal / BBB-/ \$/\$ 5.400% 1/15/2050 \$750 Baal / BBB-/ \$/\$</td> <td>Coupon Maturity (\$mil) Mdy/\$8.P/Fit Outlook Bid 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$88.0 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$88.0 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.7 3.500% 71/12030 \$1,000 Baal / BBB+/ \$/\$ \$93.7 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$99.4 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ \$99.4 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$97.7 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$./- \$102.3 1.700% 1/15/2049 \$600 Baal / BBB+/ \$/\$./- \$80.1 <td>Coupon Maturity (\$mil) Mdy/\$\\$x\$P/Fit Outlook Bid YTW 2.250% 3/12/2030 \$750 Baa1 / BBB+/ \$/5/ \$87.1 4.70% 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/ \$/5/ \$87.2 4.77% 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/ \$/5 / \$88.0 4.82% 4.800% 2/15/2033 \$500 Baa1 / BBB+/ \$/5 / \$99.7 4.84% 3.350% 3/12/2050 \$500 Baa1 / BBB+/ \$/5 / \$71.7 5.38% 3.500% 11/15/2050 \$1,250 Baa1 / BBB+/ \$/5 / \$71.1 5.38% 3.600% 7/1/2030 \$1,000 Baa1 / BBB+/ \$/5 / \$93.7 4.74% 4.600% 9/9/2032 \$750 Baa1 / BBB+/ \$/5 / \$91.0 4.99% 4.200% 4/1/2050 \$750 Baa1 / BBB+/ \$/5 / \$91.7 5.31% 5.450% 8/14/2053 \$800 <t< td=""><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/<!--</td--><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$
 \$ \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td></td></t<></td></td> | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ 3.500% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ 5.150% 9/9/2052 \$750 Baal / BBB+/ \$/\$ 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$ 5.400% 1/15/2049 \$600 Baal / BBB-/ \$/\$ 5.400% 1/15/2050 \$750 Baal / BBB-/ \$/\$
 | Coupon Maturity (\$mil) Mdy/\$8.P/Fit Outlook Bid 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$88.0 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$88.0 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.7 3.500% 71/12030 \$1,000 Baal / BBB+/ \$/\$ \$93.7 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$99.4 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ \$99.4 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$97.7 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$./- \$102.3 1.700% 1/15/2049 \$600 Baal / BBB+/ \$/\$./- \$80.1 <td>Coupon Maturity (\$mil) Mdy/\$\\$x\$P/Fit Outlook Bid YTW 2.250% 3/12/2030 \$750 Baa1 / BBB+/ \$/5/ \$87.1 4.70% 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/ \$/5/ \$87.2 4.77% 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/ \$/5 / \$88.0 4.82% 4.800% 2/15/2033 \$500 Baa1 / BBB+/ \$/5 / \$99.7 4.84% 3.350% 3/12/2050 \$500 Baa1 / BBB+/ \$/5 / \$71.7 5.38% 3.500% 11/15/2050 \$1,250 Baa1 / BBB+/ \$/5 / \$71.1 5.38% 3.600% 7/1/2030 \$1,000 Baa1 / BBB+/ \$/5 / \$93.7 4.74% 4.600% 9/9/2032 \$750 Baa1 / BBB+/ \$/5 / \$91.0 4.99% 4.200% 4/1/2050 \$750 Baa1 / BBB+/ \$/5 / \$91.7 5.31% 5.450% 8/14/2053 \$800 <t< td=""><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/<!--</td--><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt
CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td></td></t<></td> | Coupon Maturity (\$mil) Mdy/\$\\$x\$P/Fit Outlook Bid YTW 2.250% 3/12/2030 \$750 Baa1 / BBB+/ \$/5/ \$87.1 4.70% 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/ \$/5/ \$87.2 4.77% 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/ \$/5 / \$88.0 4.82% 4.800% 2/15/2033 \$500 Baa1 / BBB+/ \$/5 / \$99.7 4.84% 3.350% 3/12/2050 \$500 Baa1 / BBB+/ \$/5 / \$71.7 5.38% 3.500% 11/15/2050 \$1,250 Baa1 / BBB+/ \$/5 / \$71.1 5.38% 3.600% 7/1/2030 \$1,000 Baa1 / BBB+/ \$/5 / \$93.7 4.74% 4.600% 9/9/2032 \$750 Baa1 / BBB+/ \$/5 / \$91.0 4.99% 4.200% 4/1/2050 \$750 Baa1 / BBB+/ \$/5 / \$91.7 5.31% 5.450% 8/14/2053 \$800 <t< td=""><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/<!--</td--><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt
 </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td></td></t<> | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/ </td <td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td> | Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500
\$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<> | Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7 | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6 <td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td> <td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td> <td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td> <td> Coupon Maturity Maturity </td> <td> Notation Naturity Nation Nation</td> <td> Part</td> <td> Part Part </td> | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$ | Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt | Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span | Coupon Maturity Maturity | Notation Naturity Nation Nation | Part | Part Part |
| Coupon Maturity (\$mil) Mdy/\$&p/Fit 2.250% 3/12/2030 \$750 Baal / BBB+ / 2.550% 11/15/2030 \$1,250 Baal / BBB+ / 3.000% 2/14/2032 \$1,000 Baal / BBB+ / 4.800% 2/15/2033 \$500 Baal / BBB+ / 3.350% 3/12/2050 \$500 Baal / BBB+ / 3.500% 7/1/2030 \$1,000 Baal / BBB+ / 3.600% 7/1/2030 \$1,000 Baal / BBB+ / 4.600% 9/9/2032 \$750 Baal / BBB+ / 4.200% 4/1/2050 \$750 Baal / BBB+ / 5.150% 8/14/2033 \$600 Baal / BBB+ / 5.150% 8/14/2053 \$800 Baal / BBB+ / 5.450% 8/14/2053 \$800 Baal / BBB+ / 5.450% 1/15/2049 \$600 Baal / BBB / 5.400% 1/15/2050 \$750 Baal / BBB / 1.800% 2/10/2031 \$1,700 Baa2 / A / 2.800% <td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ 3.500% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ 5.150% 9/9/2052 \$750 Baal / BBB+/ \$/\$ 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$ 5.400% 1/15/2049 \$600 Baal / BBB-/ \$/\$ 5.400% 1/15/2050 \$750 Baal / BBB-/ \$/\$</td> <td>Coupon Maturity (\$mil) Mdy/\$8.P/Fit Outlook Bid 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$88.0 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$88.0 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.7 3.500% 71/12030 \$1,000 Baal / BBB+/ \$/\$ \$93.7 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$99.4 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ \$99.4 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$97.7 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$./- \$102.3 1.700% 1/15/2049 \$600 Baal / BBB+/ \$/\$./- \$80.1 <td>Coupon Maturity (\$mil) Mdy/\$\\$x\$P/Fit Outlook Bid YTW 2.250% 3/12/2030 \$750 Baa1 / BBB+/ \$/5/ \$87.1 4.70% 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/ \$/5/ \$87.2 4.77% 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/ \$/5 / \$88.0 4.82% 4.800% 2/15/2033 \$500 Baa1 / BBB+/ \$/5 / \$99.7 4.84% 3.350% 3/12/2050 \$500 Baa1 / BBB+/ \$/5 / \$71.7 5.38% 3.500% 11/15/2050 \$1,250 Baa1 / BBB+/ \$/5 / \$71.1 5.38% 3.600% 7/1/2030 \$1,000 Baa1 / BBB+/ \$/5 / \$93.7 4.74% 4.600% 9/9/2032 \$750 Baa1 / BBB+/ \$/5 / \$91.0 4.99% 4.200% 4/1/2050 \$750 Baa1 / BBB+/ \$/5 / \$91.7 5.31% 5.450% 8/14/2053 \$800 <t< td=""><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/<!--</td--><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/
\$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td></td></t<></td></td> | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ 3.500% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ 5.150% 9/9/2052 \$750 Baal / BBB+/ \$/\$ 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$ 5.400% 1/15/2049 \$600 Baal / BBB-/ \$/\$ 5.400% 1/15/2050 \$750 Baal / BBB-/ \$/\$ | Coupon Maturity (\$mil) Mdy/\$8.P/Fit Outlook Bid 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$88.0 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$88.0 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.7 3.500% 71/12030 \$1,000 Baal / BBB+/ \$/\$ \$93.7 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$99.4 4.950% 8/14/2033 \$600 Baal / BBB+/ \$/\$ \$99.4 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$97.7 5.450% 8/14/2053 \$800 Baal / BBB+/ \$/\$./- \$102.3 1.700% 1/15/2049 \$600 Baal / BBB+/ \$/\$./- \$80.1 <td>Coupon Maturity (\$mil) Mdy/\$\\$x\$P/Fit Outlook Bid YTW 2.250% 3/12/2030 \$750 Baa1 / BBB+/ \$/5/ \$87.1 4.70% 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/ \$/5/ \$87.2 4.77% 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/ \$/5 / \$88.0 4.82% 4.800% 2/15/2033 \$500 Baa1 / BBB+/ \$/5 / \$99.7 4.84% 3.350% 3/12/2050 \$500 Baa1 / BBB+/ \$/5 / \$71.7 5.38% 3.500% 11/15/2050 \$1,250 Baa1 / BBB+/ \$/5 / \$71.1 5.38% 3.600% 7/1/2030 \$1,000 Baa1 / BBB+/ \$/5 / \$93.7 4.74% 4.600% 9/9/2032 \$750 Baa1 / BBB+/ \$/5 / \$91.0 4.99% 4.200% 4/1/2050 \$750 Baa1 / BBB+/ \$/5 / \$91.7 5.31% 5.450% 8/14/2053 \$800 <t< td=""><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/<!--</td--><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/
 \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td></td></t<></td> | Coupon Maturity (\$mil) Mdy/\$\\$x\$P/Fit Outlook Bid YTW 2.250% 3/12/2030 \$750 Baa1 / BBB+/ \$/5/ \$87.1 4.70% 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/ \$/5/ \$87.2 4.77% 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/ \$/5 / \$88.0 4.82% 4.800% 2/15/2033 \$500 Baa1 / BBB+/ \$/5 / \$99.7 4.84% 3.350% 3/12/2050 \$500 Baa1 / BBB+/ \$/5 / \$71.7 5.38% 3.500% 11/15/2050 \$1,250 Baa1 / BBB+/ \$/5 / \$71.1 5.38% 3.600% 7/1/2030 \$1,000 Baa1 / BBB+/ \$/5 / \$93.7 4.74% 4.600% 9/9/2032 \$750 Baa1 / BBB+/ \$/5 / \$91.0 4.99% 4.200% 4/1/2050 \$750 Baa1 / BBB+/ \$/5 / \$91.7 5.31% 5.450% 8/14/2053 \$800 <t< td=""><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/<!--</td--><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td></td></t<>
 | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pd 2.250% 3/12/2030 \$750 Baal / BBB+/ \$/\$ \$87.1 4.70% 60 2.550% 11/15/2030 \$1,250 Baal / BBB+/ \$/\$ \$87.2 4.77% 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/ \$/\$ \$98.0 4.82% 69 4.800% 2/15/2033 \$500 Baal / BBB+/ \$/\$ \$99.7 4.84% 70 3.350% 3/12/2050 \$500 Baal / BBB+/ \$/\$ \$71.2 5.38% 99 3.600% 7/1/2030 \$1,000 Baal / BBB+/ \$/\$ \$9.7. \$3.3% 93 4.600% 9/9/2032 \$750 Baal / BBB+/ \$/\$ \$9.9. 4.69% \$5 4.200% 4/1/2050 \$750 Baal / BBB+/ \$/\$ \$9.7. \$3.1% 93 5.150% 9/9/2052 \$750 Baal / BBB+/ </td <td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<></td>
 | Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pt 2.250% 3/12/2030 \$750 Baal ABBH \$/\$ \$87.1 4.70% 66 66 2.550% 11/15/2030 \$1,250 Baal ABBH \$/\$ \$87.2 4.77% 66 66 3.000% 2/14/2032 \$1,000 Baal ABBH \$/\$ \$98.0 4.82% 69 70 4.800% 2/15/2033 \$500 Baal ABBH \$/\$ \$99.7 4.84% 70 71 3.350% 3/12/2050 \$500 Baal ABBH \$/\$ \$71.7 5.38% 96 96 3.500% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$74.1 5.33% 93 92 3.600% 7/1/2030 \$1,000 Baal ABBH \$/\$ \$91.0 4.69% 55 6 4.950% \$1/42033 \$600 Baal ABBH \$/\$ \$91.0 4.90% <t< td=""><td>Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7</td><td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6<td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td><td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td><td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td><td> Coupon Maturity Maturity </td><td> Notation Naturity Nation Nation</td><td> Part</td><td> Part Part </td></td></t<> | Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid YTW \$pt \$pd CDS 2.250% 3/12/2030 \$750
 Baal / BBB+/- \$/\$\$ \$87.1 \$7.0% \$60 61 \$7.0 2.550% 11/15/2030 \$1,250 Baal / BBB+/- \$/\$\$ \$87.2 \$4.7% \$6 66 3.000% 2/14/2032 \$1,000 Baal / BBB+/- \$/\$\$ \$99.7 \$484 70 71 4.800% 2/15/2033 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 96 96 3.350% 3/12/2050 \$500 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.500% 1/15/2050 \$1,250 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% 93 92 3.600% 7/1/2030 \$1,000 Baal / BBB+/- \$/\$\$ \$7.1 \$5.3% \$6 \$6 4.950% \$1/4/2033 \$600 Baal / BBB+/- \$/\$\$ \$7
 | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW \$pt \$pt CDS Revenue 2.250% 3/12/2030 \$750 Baa1 / BBB+/- \$/\$ \$87.1 4.70% 60 61 \$35,976 2.550% 11/15/2030 \$1,250 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 66 6 \$35,976 3.000% 2/14/2032 \$1,000 Baa1 / BBB+/- \$/\$ \$88.0 4.82% 60 6 \$35,976 4.800% 2/15/2033 \$500 Baa1 / BBB+/- \$/\$ \$9.97. \$3.8% 90 96 \$1.00 Baa1 / BBB+/- \$/\$ \$7.1 \$3.3% 90 90 90 3.500 \$1,105/2050 \$1,250 Baa1 / BBB+/- \$/\$ \$9.7 \$3.4 60 6 \$2.5 \$1.4 4.600% \$9/9/2032 \$750 Baa1 / BBB+/- \$/\$ \$9.9 \$4.69% \$2 \$5 \$6 <td>Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$</td> <td> Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt </td> <td> Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span </td> <td> Coupon Maturity Maturity </td> <td> Notation Naturity Nation Nation</td> <td> Part</td> <td> Part Part </td>
 | Coupon Maturity (\$mil) Mdy/\$&P/Fit Outlook Bid YTW spd 2D CD Revenue EBITDAR 2.250% 3/12/2030 \$750 Baa1/BBB+/ \$/\$ \$87.1 4.70% 60 61 \$35,976 \$8,741 2.550% 11/15/2030 \$1,250 Baa1/BBB+/ \$/\$ \$88.0 4.82% 69 70 \$ \$8,741 4.800% \$2/14/2032 \$1,000 Baa1/BBB+/ \$/\$ \$99.7 4.84% 70 71 \$
 | Coupon Maturity (\$mil) Mdy/S&P/Fit Outlook Bid VTW Spd Spd CDS Revenue EBITDAR Debt

 | Coupon Maturity Maturity Maturity Span Maturity Span Maturity Span Span | Coupon Maturity
 | Notation Naturity Nation Nation | Part | Part Part | | | | |

Source: BofA Global Research, Bloomberg



Exhibit 13: Consumer Products Historical Spread & Return Monitor Benchmark spread and credit metrics by issuer



																	Credit M		
			Outstanding	Ratings			urrent P			5-yr		LTM			Net	Total Debt/	Net Debt/		EV/
Issuer	Coupon	Maturity	(\$mil)	Mdy/S&P/Fit	Outlook	Bid	YTW	G- spd	T- spd	CDS	Revenue	EBITDA	Debt	Cash	FCF	EBITDA	EBITDA	EV	EBITD/
Procter & Gamble (PG)	2.300%	2/1/2032	\$850	Aa3 / AA- /	S/S/	\$86.5	4.31%	17	18	28	\$83,265	\$22,375	\$35,880	\$9,733	\$2,091	1.6x	1.2x	\$375,086	5 18.1:
Procter & Gamble (PG)	4.050%	1/26/2033	\$850	Aa3 / AA- /	S/S/	\$97.4	4.40%	26	27										
Procter & Gamble (PG)	3.600%	3/25/2050	\$491	Aa3 / AA- /	S/S/	\$83.7	4.69%	28	27										
Colgate-Palmolive Co (CL)	3.250%	8/15/2032	\$500	Aa3 / AA- /	S/N/	\$90.9	4.54%	39	41	35	\$19,136	\$4,455	\$8,724	\$951	(\$136)	2.1x	1.9x	\$74,124	1 16.8
Colgate-Palmolive Co (CL)	4.600%	3/1/2033	\$500	Aa3 / AA- /	S/N/	\$100.8	4.49%	34	36										
Colgate-Palmolive Co (CL)	3.700%	8/1/2047	\$500	Aa3 / AA- /	S/N/	\$83.4	4.89%	45	45										
Unilever Capital Corp (UNANA)	1.750%	8/12/2031	\$850	A1 / A+ / Au	S/S/S	\$81.3	4.73%	59	61	23	\$60,878	\$10,350	\$29,386	\$4,994	(\$284)	2.8x	2.4x	\$135,101	1 12.7
Unilever Capital Corp (UNANA)	5.000%	12/8/2033	\$800	A1 / A+ / Au	S/S/S	\$101.3	4.83%	68	69						, ,				
Unilever Capital Corp (UNANA)	2.625%	8/12/2051	\$650	A1 / A+ / Au	S/S/S	\$64.8	4.99%	60	59										
Kimberly-Clark Corp (KMB)	2.000%	11/2/2031	\$600	A2 / A /	S/S/	\$82.9	4.65%	51	53	47	\$20,425	\$3,752	\$8,090	\$814	\$978	2.2x	2.0x	\$48,925	5 15.4
Kimberly-Clark Corp (KMB)	4.500%	2/16/2033	\$350	A2 / A /	S/S/	\$98.5	4.70%	55	57										
Kimberly-Clark Corp (KMB)	2.875%	2/7/2050	\$500	A2 / A /	S/S/	\$68.4	5.08%	66	66										
SC Johnson & Son Inc (SCJOHN)	4.750%	10/15/2046	\$850	A- / BBB+ /	S/N/	\$89.5	5.57%	111	112									-	
Estee Lauder Co Inc (EL)	4.650%	5/15/2033	\$700	A1 / A /	N/N/	\$97.9	4.94%	79	80		\$15,545	\$2,032	\$8,093	\$3,090	(\$283)	4.2x	3.0x	\$52,896	5 25.6
Estee Lauder Co Inc (EL)	5.150%	5/15/2053	\$600	A1 / A /	N/N/	\$98.1	5.28%	92	90						, ,				
Kenvue (KVUE)	5.000%	3/22/2030	\$973	A1 / A /	S/S/	\$101.7	4.67%	54	58		\$14,950	\$3,624	\$8,198	\$1,062	\$2,119	2.3x	2.0x	\$45,076	5 12.4
Kenvue (KVUE)	4.900%	3/22/2033	\$1,224	A1 / A /	S/S/	\$100.6	4.82%	68	69										
Kenvue (KVUE)	5.050%	3/22/2053	\$1,500	A1 / A /	S/S/	\$98.9	5.12%	74	75										
Reckitt Benckiser TSY (RKTLN)	3.000%	6/26/2027	\$2,500	A3 / A- /	S/S/	\$94.9	4.63%	46	51		£13,234	£3,239	£9,637	£1,259	£1,258	3.0x	2.6x	£53,852	16.6
Church & Dwight Co Inc (CHD)	5.600%	11/15/2032	\$500	A3 / BBB+ /	S/S/	\$104.9	4.89%	74	76		\$5,776	\$1,307	\$2,405	\$573	\$792	1.9x	1.5x	\$25,879	17.7
Church & Dwight Co Inc (CHD)	3.950%	8/1/2047	\$400	A3 / BBB+ /	S/S/	\$81.1	5.37%	91	93										
Church & Dwight Co Inc (CHD)	5.000%	6/15/2052	\$500	A3 / BBB+ /	S/S/	\$95.9	5.28%	90	90										
Clorox Company (CLX)	1.800%	5/15/2030	\$500	Baa1 / BBB+ /	S/N/	\$82.6	5.06%	95	97	76	\$7,035	\$1,074	\$2,913	\$518	\$247	2.9x	2.5x	\$20,497	7 15.8
Clorox Company (CLX)	4.600%	5/1/2032	\$600	Baa1 / BBB+ /	S/N/	\$97.5	4.97%	83	84										
Haleon Plc (HLNLN)	3.625%	3/24/2032	\$1,998	Baa1 / BBB /	S//	\$90.91	4.99%	86	87		£9,545	£2,413	£9,782	£405	£25	4.1x	3.9x	\$39,828	3 16.5
Haleon Plc (HLNLN)	4.000%	3/24/2052	\$1,000	Baa1 / BBB /	S//	\$81.5	5.27%	87	88										
Whirlpool Corp (WHR)	4.700%	5/14/2032	\$300	Baa1 / BBB / BBB	N/N/N	\$94.8	5.49%	134	136	142	\$19,290	\$1,489	\$7,664	\$1,123	(\$197)	5.3x	4.4x	\$13,480	7.4
Whirlpool Corp (WHR)	5.500%	3/1/2033	\$300	Baa1 / BBB / BBB	N/N/N	\$99.4	5.58%	144	145						, ,				
Whirlpool Corp (WHR)	4.600%	5/15/2050	\$500	Baa1 / BBB / BBB	N/N/N	\$80.6	6.09%	168	168										
Hasbro Inc (HAS)	3.900%	11/19/2029	\$900	Baa2 / BBB / BBB-	N/N/S	\$92.4	5.45%	135	137	95	\$5,393	\$1,026	\$3,715	\$186	(\$146)	3.6x	3.5x	\$10,398	3 7.7:
Hasbro Inc (HAS)	5.100%	5/15/2044	\$300	Baa2 / BBB / BBB-	N/N/S	\$90.0	5.95%	147	147		. ,	. ,			,			. ,	
Brunswick Corp (BC)	2.400%	8/18/2031	\$550	Baa2 / BBB- / BBE	S/S/S	\$79.0	5.87%	173	175	199	\$6,622	\$1,083	\$2,635	\$331	(\$361)	2.4x	2.1x	\$8,193	3 5.7:
Brunswick Corp (BC)	4.400%	9/15/2032	\$450	Baa2 / BBB- / BBE			6.03%	188	190		,	. ,	. ,		(, /			,	
Brunswick Corp (BC)	5.100%	4/1/2052	\$300	Baa2 / BBB- / BBE			6.90%	251	251										
Mattel Inc (MAT)	3.750%	4/1/2029	\$600	Baa3 / BBB- / BB+				175	177	247	\$5.222	\$679	\$2.672	\$456	\$256	3.9x	3.3x	\$8.496	5 7.8
Newell Brands Inc (NWL)		9/15/2029	\$500	Ba2 / BB / BB-	N/N/S		7.25%		318	409	\$8,342	\$1,226	. , .		(\$1,294)	4.9x		,	
Newell Brands Inc (NWL)	6.500%	4/1/2046	\$666	Ba2 / BB / BB-	N/N/S		8.61%	418	415	103	Ψ 0, J ¬Z	1,440	JU,U I U	٥٠٠٠	(+1,434)	т.Л	٨٠.٣	70,070	. ا . ا

Source: BofA Global Research, Bloomberg BofA GLOBAL RESEARCH Consumer & Retail | 22 January 2024

																T		t Metrics	
			Outstanding	Ratings		C	urrent Pri	-inσ		5-yr		LTM			Net	Total Debt/	Net Debt/		EV /
			Outstanding	Natings			unenern	_	T-	J-yı		LIIVI			Net	DEDU	Debu		LV/
Issuer	Coupon	Maturity	(\$mil)	Mdy/S&P/Fit	Outlook	Bid	YTW		spd	CDS	Revenue	EBITDA	Debt	Cash	FCF	EBITDA	EBITDA	EV	EBITD
Nestle Holdings Inc. (NESNVX)	4.850%	3/14/2033	\$650	Aa3 / AA- / A+	S/S/S	\$100.3	4.81%	58	67	29	CHF 95,498	CHF 16,476	CHF 53,501	CHF 3,667	(CHF 11,485)	3.2x	3.0x	\$316,076	18.
Nestle Holdings Inc. (NESNVX)	4.700%	1/15/2053	\$1,000	Aa3 / AA- / A+	S/S/S	\$95.9	4.97%	61	59										
Hershey Company (HSY)	4.500%	5/4/2033	\$400	A1 / A /	S/S/	\$98.8	4.66%	51	52	30	\$11,160	\$3,113	\$4,914	\$471	\$521	1.7x	1.6x	\$43,710	18.4
Hershey Company (HSY)	2.650%	6/1/2050	\$350	A1 / A /	S/S/	\$65.7	5.01%	59	59										
Mars Inc. (MARS)	1.625%	7/16/2032	\$700	A1 / A+ /	S/S/	\$77.6	4.88%	74	75										
Mars Inc. (MARS)	2.450%	7/16/2050	\$400	A1 / A+ /	S/S/	\$59.6	5.31%	91	90										
Hormel Foods (HRL)	1.800%	6/11/2030	\$1,000	A1 / A- /	S/S/	\$84.0	4.74%	63	64		\$12,195	\$1,325	\$3,481	\$737	\$172	2.6x	2.1x	\$19,487	14.3
Hormel Foods (HRL)	3.050%	6/3/2051	\$600	A1 / A- /	S/S/	\$68.6	5.22%	83	82										
Archer-Daniels-Midland Co (ADM)	4.500%	8/15/2033	\$500	A2 / A / A	S/S/S	\$97.6	4.81%	68	67	41	\$97,188	\$3,306	\$10,288	\$1,498	(\$190)	3.1x	2.7x	\$44,726	10.9
Archer-Daniels-Midland Co (ADM)	2.700%	9/15/2051	\$750	A2 / A / A	S/S/S	\$64.8	5.09%	70	69										
Cargill Inc (CARGIL)	4.750%	4/24/2033	\$500	A2 / A / A	S/S/S	\$97.0	5.16%	89	103	57									
Cargill Inc (CARGIL)	4.375%	4/22/2052	\$500	A2 / A / A	S/S/S	\$87.8	5.21%	80	82										
Danone SA (BNFP)	0.395%	6/10/2029	\$800	Baa1 / BBB+ /	S/S/	\$86.4	3.18%	88	93	36	\$28,503	\$4,787	\$14,799	\$1,880	\$853	3.1x	2.7x	\$53,316	10.1
Mondelez International Holdings Netherlands BV (MIHN)	1.250%	9/24/2026	\$350	A3 / BBB /	S/S/	\$91.0	4.91%	64	70										
Mondelez International (MDLZ)	3.000%	3/17/2032	\$750	Baa1 / BBB /	S/S/	\$87.0	4.96%	80	83	47	\$35,397	\$6,803	\$19,986	\$1,610	\$530	3.2x	2.9x	\$118,008	17.8
Mondelez International (MDLZ)	2.625%	9/4/2050	\$1,125	Baa1 / BBB / WD	S/S/	\$63.3	5.19%	76	78										
Ingredion Inc (INGR)	2.900%	6/1/2030	\$600	Baa1 / BBB / BBB	S/S/S	\$88.6	5.01%	93	92		\$8,226	\$1,148	\$2,406	\$335	\$123	2.2x	1.9x	\$9,283	8.4
Ingredion Inc (INGR)	3.900%	6/1/2050	\$400	Baa1 / BBB / BBB	S/S/S	\$72.5	5.99%	156	158										
Sysco Corporation (SYY)	2.450%	12/14/2031	\$450	Baa1 / BBB / BBB	S/S/S	\$83.5	5.01%	87	89	59	\$76,818	\$3,954	\$11,698	\$569	\$739	3.0x	2.8x	\$49,097	11.4
Sysco Corporation (SYY)	6.000%	1/17/2034	\$500	Baa1 / BBB / BBB	S/S/S	\$106.6	5.12%	97	98										
Sysco Corporation (SYY)	3.150%	12/14/2051	\$800	Baa1 / BBB / BBB	S/S/S	\$68.3	5.36%	96	96										
McCormick & Co (MKC)	4.950%	4/15/2033	\$500	Baa2 / BBB /	S/N/	\$98.6	5.15%	101	101		\$6,605	\$1,311	\$4,777	\$155	\$344	3.6x	3.6x	\$22,092	24.0
McCormick & Co (MKC)	4.200%	8/15/2047	\$300	Baa2 / BBB /	S/N/	\$82.8	5.51%	107	107										
General Mills Inc (GIS)	4.950%	3/29/2033	\$1,000	Baa2 / BBB /	S/S/	\$98.6	5.14%	99	100	38	\$20,281	\$4,109	\$12,282	\$491	(\$516)	3.1x	3.0x	\$48,172	14.8
General Mills Inc (GIS)	3.000%	2/1/2051	\$605	Baa2 / BBB /	S/S/	\$65.3	5.48%	107	108										
Kellanova (K)	5.250%	3/1/2033	\$400	Baa2 / BBB / BBB	S/N/S	\$100.1	5.23%	106	110	67	\$15,866	\$2,536	\$7,674	\$1,099	\$440	3.7x	3.3x	\$25,286	12.7
Kellanova (K)	4.500%	4/1/2046	\$650	Baa2 / BBB / BBB	S/N/S	\$86.0	5.61%	113	115										
Flowers Foods Inc (FLO)	2.400%	3/15/2031	\$500	Baa2 / BBB / BBB	S/S/S	\$83.2	5.24%	110	113		\$5,044	\$571	\$1,175	\$15	(\$29)	2.1x	2.0x	\$6,018	12.5
JM Smucker Co (SJM)	6.200%	11/15/2033	\$1,000	Baa2 / BBB /	S/N/	\$106.8	5.28%	114	114		\$8,461	\$1,668	\$4,495	\$241	(\$229)	2.6x	2.4x	\$17,603	11.5
JM Smucker Co (SJM)	6.500%	11/15/2053	\$1,000	Baa2 / BBB /	S/N/	\$111.3	5.70%	134	133										
Tyson Foods Inc (TSN)	4.350%	3/1/2029	\$1,000	Baa2 / BBB / BBB	N/S/S	\$97.0	5.03%	97	98	66	\$52,999	\$2,149	\$9,506	\$573	(\$1,200)	4.4x	4.2x	\$28,507	11.4
Tyson Foods Inc (TSN)	5.100%	9/28/2048	\$1,500	Baa2 / BBB / BBB	N/S/S	\$88.6	5.99%	156	156										
Campbell Soup Co (CPB)	2.375%	4/24/2030	\$500	Baa2 / BBB- / BBB *-	S/S/	\$85.6	5.08%	98	100	47	\$9,357	\$1,753	\$4,689	\$189	\$206	2.9x	2.8x	\$17,772	10.1
Campbell Soup Co (CPB)	3.125%	4/24/2050	\$500	Baa2 / BBB- / BBB *-	S/S/	\$65.5	5.67%	125	125										
Conagra Brands Inc (CAG)	7.000%	10/1/2028	\$382	Baa3 / BBB- / BBB-	S/S/S	\$106.8	5.35%	123	129	47	\$12,277	\$2,586	\$9,274	\$93	\$61	3.6x	3.6x	\$22,759	11.1
Conagra Brands Inc (CAG)	5.400%	11/1/2048	\$1,000	Baa3 / BBB- / BBB-	S/S/S	\$93.1	5.93%	152	151										
Kraft Heinz Foods Co (KHC)	3.750%	4/1/2030	\$741	Baa2 / BBB / BBB	S/P/S	\$94.4	4.80%	66	71	52	\$27,161	\$6,400	\$19,878	\$1,053	\$545	3.1x	2.9x	\$64,488	10.1
Kraft Heinz Foods Co (KHC)	4.375%	6/1/2046	\$2,786	Baa2 / BBB / BBB	S/P/S	\$84.9	5.56%	112	110										
Kraft Heinz Foods Co (KHC)	4.875%	10/1/2049	\$1,450	Baa2 / BBB / BBB	S/P/S	\$91.4	5.51%	110	109										
IBS USA (JBSSBZ)	6.750%	3/15/2034	\$1,600	Baa3 / BBB- / BBB-	5/5/5	\$104.3			201		R\$ 360,341	R\$ 16,494	R\$ 101,338	R\$ 26,790	-R\$ 5,989	6.1x	4.5x	R\$ 145,912	4.0
JBS USA (JBSSBZ)	7.250%	11/15/2053	\$900	Baa3 / BBB- / BBB-	S/S/S	\$108.0			225		;	, !		,	+ -,			,- 14-	
Pilgrim's Pride (PPC)	6.250%	7/1/2033	\$1,000	Ba2 / BBB- / BBB-	S/N/S	\$101.9	5.98%	185			\$16,961	\$670	\$3,596	\$899	(\$17)	5.4x	4.0x	\$9,622	5.2
Pilgrim's Pride (PPC)	6.875%	5/15/2034	\$500	Ba2 / BBB- / BBB-	S/N/S	\$106.3	6.02%		187		Ţ.0,501	\$0.5	45,550	4033	(\$.7)	JX		73,022	J.,
Smithfield Foods Inc (SFD)	2.625%	9/13/2031	\$500	Ba1 / BBB- / BBB	S/S/S		6.61%			47									

Source: BofA Global Research, Bloomberg





Exhibit 15: Beverages Historical Spread & Return MonitorBenchmark spread and credit metrics by issuer



																	Credit Me	trics	
			Outstanding	Ratings		Cu	rrent Pr	ricing		5-yr		LTM			Net	Total Debt/	Net Debt/		EV/
								G-	T-										
Issuer	Coupon	Maturity	(\$mil)	Mdy/S&P/Fit	Outlook	Bid	YTW		•	CDS	Revenue	EBITDA	Debt	Cash	FCF	EBITDA	EBITDA	EV	EBITDA
The Coca-Cola Co. (KO)	2.250%	1/5/2032	\$2,000	A1 / A+ / WD	S/S/	\$85.0	4.51%		39	47	\$45,031	\$16,079	\$40,171	\$11,883	\$1,741	2.5x	1.5x	\$284,914	21.5
The Coca-Cola Co. (KO)	3.000%	3/5/2051	\$1,700	A1 / A+ / WD	S/S/	\$71.9	4.88%	49	48										
Coca-Cola European Partners (CCEP)	1.500%	1/15/2027	\$500	Baa1 / / BBB+	S//S	\$90.3	5.04%	84	89		\$18,017	\$3,096	\$11,907	\$1,112	\$1,539	3.8x	3.5x	\$38,246	
PepsiCo Inc (PEP)	4.450%	2/15/2033	\$1,000	A1 / A+ /	S/S/	\$99.6	4.50%	36	37	47	\$91,617	\$16,953	\$44,774	\$10,283	(\$550)	3.0x	2.4x	\$262,580	18.2
PepsiCo Inc (PEP)	2.750%	10/21/2051	\$1,000	A1 / A+ /	S/S/	\$66.9	4.96%	58	57										
PepsiCo Inc (PEP)	4.650%	2/15/2053	\$500	A1 / A+ /	S/S/	\$94.5	5.01%	65	63										
Brown-Forman Corp (BFB)	4.500%	7/15/2045	\$500	A1 / A- / WD	S/S/	\$90.0	5.28%	82	81		\$4,272	\$1,355	\$3,110	\$373	\$79	2.3x	2.1x	\$29,054	25.2
Brown-Forman Corp (BFB)	4.750%	4/15/2033	\$650	A1 / A- /	S/S/	\$100.3	4.71%	57	57										
Diageo Investment Corp (DGELN)	5.500%	1/24/2033	\$750	A3 / A- / A-u	S/S/S	\$104.5	4.86%	72	73	29	£17,113	£6,120	£16,502	£1,439	-£1,382	2.7x	2.5x	£77,061	12.6
Diageo Investment Corp (DGELN)	1.875%	6/8/2034	\$900	A3 / A- / A-u	S/S/S	\$86.3	3.47%	110	111										
Diageo Investment Corp (DGELN)	3.875%	4/29/2043	\$500	A3 / A- / A-u	S/S/S	\$83.2	5.28%	81	80										
Anheuser-Busch InBev Fin (ABIBB)	4.900%	1/23/2031	\$750	A3 / A- /	S/S/	\$101.3	4.68%	54	58	77	\$59,091	\$19,928	\$80,900	\$6,848	\$4,662	4.1x	3.7x	\$211,960	10.6
Anheuser-Busch InBev Fin (ABIBB)	4.900%	2/1/2046	\$9,519	A3 / A- /	S/S/	\$95.7	5.24%	79	77										
Anheuser-Busch InBev Fin (ABIBB)	4.500%	6/1/2050	\$1,102	A3 / A- /	S/S/	\$90.6	5.15%	74	74										
Heineken NV (HEIANA)	1.750%	3/17/2031	\$750	A3 / BBB+ /	S/S/	\$89.4	3.45%	116	120	30	€ 29,725	€ 5,824	€ 19,857	€ 2,168	-€ 1,560	3.4x	3.0x	€ 73,032	11.6
Heineken NV (HEIANA)	4.350%	3/29/2047	\$650	A3 / BBB+ /	S/S/	\$88.1	5.24%	79	79										
Pernod Ricard SA (RIFP)	1.625%	4/1/2031	\$900	Baa1 / BBB+ / BBB+	S/S/S	\$79.4	5.09%	95	97	77	€ 12,136	€ 3,765	€ 10,741	€ 1,624	(€ 427)	2.9x	2.4x	€ 47,586	16.7
Pernod Ricard SA (RIFP)	2.750%	10/1/2050	\$500	Baa1 / BBB+ / BBB+	S/S/S	\$63.2	5.36%	93	95										
Suntory Holdings LTD (SUNTOR)	6.625%	7/15/2028	\$184	Baa1 / BBB+ / WD	S/S/	\$105.7	5.19%	108	112		¥2,819	¥416	¥1,468	¥253	¥95	3.5x	2.9x		
JAB Holdings BV (JABHOL)	1.000%	7/14/2031	\$306	Baa1 / BBB+ /	S/S/	\$83.4	3.58%	128	133										
JAB Holdings BV (JABHOL)	3.750%	5/28/2051	\$500	Baa1 / BBB+ /	S/S/	\$65.5	6.45%	204	205										
JAB Holdings BV (JABHOL)	4.500%	4/8/2052	\$500	Baa1 / BBB+ /	S/S/	\$75.1	6.42%	203	203										
Keurig Dr Pepper (KDP)	4.050%	4/15/2032	\$850	Baa1 / BBB /	S/S/	\$93.8	4.98%	85	86		\$14,750	\$4,116	\$12,860	\$260	(\$467)	3.1x	3.1x	\$58,686	15.5
Keurig Dr Pepper (KDP)	3.350%	3/15/2051	\$500	Baa1 / BBB /	S/S/	\$70.4	5.45%	107	105										
Keurig Dr Pepper (KDP)	4.500%	4/15/2052	\$1,150	Baa1 / BBB /	S/S/	\$86.0	5.48%	110	110										
Constellation Brands Inc (STZ)	4.750%	5/9/2032	\$700	Baa3 / BBB /	S/S/	\$97.4	5.14%	101	102	96	\$9,786	\$3,486	\$11,707	\$83	\$686	3.2x	3.2x	\$58,374	15.8
Constellation Brands Inc (STZ)	4.900%	5/1/2033	\$750	Baa3 / BBB /	S/S/	\$98.1	5.16%	101	102										
Constellation Brands Inc (STZ)	3.750%	5/1/2050	\$600	Baa3 / BBB /	S/S/	\$75.9	5.50%	108	108										
Molson Coors Brewing Co (TAP)	3.000%	7/15/2026	\$2,000	Baa2 / BBB / WD	P/S/	\$95.5	4.93%	62	69	74	\$11,541	\$2,412	\$6,180	\$802	\$950	2.7x	2.3x	\$19,318	8.4
Molson Coors Brewing Co (TAP)	4.200%	7/15/2046	\$1,800	Baa2 / BBB / WD	P/S/		5.51%												
Bacardi LTD (BACARD)	5.400%	6/15/2033	\$700	Baa3 / BBB- / BBB-	//	\$99.4	5.49%	133	135										
Bacardi LTD (BACARD)	5.900%	6/15/2043	\$400	Baa3 / BBB- / BBB-	/ /	\$99.8	5.92%		144										
Bacardi LTD (BACARD)	5.300%	5/15/2048	\$700	Baa3 / BBB- / BBB-	S/S/S	\$93.2	5.82%		139										
JDE Peet's NV (JDEPNA)	2.250%	9/24/2031	\$500	Baa3 / BBB- / BBB	S/S/S		5.67%				€ 8.243	€ 1.360	€ 4.967	€ 755	€ 522	3.7x	3.1x	€ 15,699) 11.3

Source: BofA Global Research, Bloomberg BofA GLOBAL RESEARCH

Exhibit 16: Tobacco Historical Return & Spread MonitorBenchmark spread and credit metrics by issuer

																	Credit Me	etrics	
			Outstanding	Ratings		Cı	ırrent Pri	ing		5-yr		LTM			Net	Total Debt/	Net Debt/		EV /
								G-	T-										
Issuer	Coupon	Maturity	(\$mil)	Mdy/S&P/Fit	Outlook	Bid	YTW	spd	spd	CDS	Revenue	EBITDA	Debt	Cash	FCF	EBITDA	EBITDA	EV	EBITDA
Japan Tobacco (JAPTOB)	2.250%	9/14/2031	\$625	A2 / A+ /	S / /	\$80.8	5.35%	121	123		¥2,806,302	¥875,721	¥1,018,639	¥869,042	¥136,212	1.2x	0.2x	¥316,076	0.4x
Japan Tobacco (JAPTOB)	3.300%	9/14/2051	\$400	A2 / A+ /	S / /	\$65.2	5.86%	145	146										
Philip Morris Intl Inc (PM)	1.750%	11/1/2030	\$750	A2 / A- / A	S/S/N	\$81.3	5.05%	90	94	47	\$34,359	\$14,111	\$47,715	\$3,017	(\$276)	3.5x	3.3x	\$189,743	13.4x
Philip Morris Intl Inc (PM)	5.750%	11/17/2032	\$1,500	A2 / A- / A	S/S/N	\$103.3	5.27%	114	114										
Philip Morris Intl Inc (PM)	5.375%	2/15/2033	\$2,250	A2 / A- / A	S/S/N	\$100.6	5.29%	115	116										
Philip Morris Intl Inc (PM)	5.625%	9/7/2033	\$1,000	A2 / A- / A	S/S/N	\$102.4	5.30%	115	116										
Philip Morris Intl Inc (PM)	4.250%	11/10/2044	\$1,250	A2 / A- / A	S/S/N	\$83.0	5.65%	117	117										
Altria Group (MO)	3.125%	6/15/2031	\$1,250	A3 / BBB / BBB	S/P/S	\$88.7	4.99%	270	274	47	\$20,561	\$12,131	\$25,098	\$1,537	\$641	2.1x	2.0x	\$94,941	7.8x
Altria Group (MO)	2.450%	2/4/2032	\$1,750	A3 / BBB / BBB	S/P/S	\$80.7	5.45%	132	133										
Altria Group (MO)	6.875%	11/1/2033	\$500	A3 / BBB / BBB	S/P/S	\$108.5	5.70%	156	156										
Altria Group (MO)	5.375%	1/31/2044	\$1,800	A3 / BBB / BBB	S/P/S	\$97.4	5.59%	111	110										
Altria Group (MO)	3.700%	2/4/2051	\$1,250	A3 / BBB / BBB	S/P/S	\$68.9	6.05%	166	165										
British American Tobacco (BATSLN)	2.726%	3/25/2031	\$1,250	Baa2 / BBB+ / BBB	P/N/P	\$82.75	5.69%	155	158	74	£28,227	£13,906	£42,169	£3,681	£2,318	3.0x	2.8x	\$89,972	6.5x
British American Tobacco (BATSLN)	7.750%	10/19/2032	\$600	Baa2 / BBB+ / BBB	P/N/P	\$111.3	6.04%	188	191										
British American Tobacco (BATSLN)	4.742%	3/16/2032	\$900	Baa2 / BBB+ / BBB	P/N/P	\$93.8	5.71%	155	159										
British American Tobacco (BATSLN)	6.421%	8/2/2033	\$1,250	Baa2 / BBB+ / BBB	P/N/P	\$102.9	6.01%	187	188										
British American Tobacco (BATSLN)	5.282%	4/2/2050	\$500	Baa2 / BBB+ / BBB	P/N/P	\$82.6	6.70%	228	228										
British American Tobacco (BATSLN)	3.984%	9/25/2050	\$1,000	Baa2 / BBB+ / BBB	P/N/P	\$68.6	6.47%	206	206										
British American Tobacco (BATSLN)	5.650%	3/16/2052	\$600	Baa2 / BBB+ / BBB	P/N/P	\$87.4	6.65%	225	226										
British American Tobacco (BATSLN)	7.081%	8/2/2053	\$1,000	Baa2 / BBB+ / BBB	P/N/P	\$104.5	6.73%	236	235										
Imperial Brands Fin Plc (IMBLN)	3.875%	7/26/2029	\$1,000	Baa3 / BBB / BBB	S/S/S	\$92.2	5.53%	145	147	79	£7,961	£4,073	£10,249	£596	(£186)	2.5x	2.4x	£25,561	6.3x

Source: BofA Global Research, Bloomberg BofA GLOBAL RESEARCH



Valuation & risk

Kroger Co. (KR)

Kroger (KR) is a best-in-class food retailer that maintains a competitive advantage vs. national and regional peers due to management's long-term investment in service, product quality, productivity, and technology. KR demonstrates conservative financial policies and balance sheet management, which has historically allowed valuation to trade closer to BBB non-cyclicals than grocery or drug retail, despite significantly lower margins. Bonds, rated Marketweight, fairly reflect the stability of the business model, EBITDA and cash flows offset by investment headwinds & new competitor risks. In CDS we are Sell Protection. Downside risks are intense competition, increased management willingness to pursue acquisitions or shareholder returns, deflationary pressure in consumables hurting IDs, and slow deleverage following the acquisition of Albertsons. Heavy pension obligations and labor negotiation risks remain a long-term headwind. Upside risks are increasing market share from additional fill-in opportunities, KR's superior positioning on price and format competitiveness.

Analyst Certification

I, Brian Callen, CFA, 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.

Security/Loan pricing

Kroger Co. / KR

	Amt		Ratings			Yield	Spread
Security		Maturity date	Moody's/S&P/Fitch	Price	Price date	(%)	(bps)
8, Senior, USD, 2029:B	250	15-SEP-2029	Baa1/BBB/WD	113.15	19-Jan-2024	5.28	120
2.65, Senior, USD, 2026:B	750	15-OCT-2026	Baa1/BBB/WD	94.12	19-Jan-2024	4.98	72
3.7, Senior, USD, 2027:B	600	01-AUG-2027	Baa1/BBB/WD	96.48	19-Jan-2024	4.80	64
5.15, Senior, USD, 2043:B	400	01-AUG-2043	Baa1/BBB/WD	92.97	19-Jan-2024	5.75	128
4.45, Senior, USD, 2047:B	1,000	01-FEB-2047	Baa1/BBB/WD	85.95	19-Jan-2024	5.54	101
4.65, Senior, USD, 2048:B	500	15-JAN-2048	Baa1/BBB/WD	87.52	19-Jan-2024	5.60	108
5.4, Senior, USD, 2049:B	600	15-JAN-2049	Baa1/BBB/NR	97.23	19-Jan-2024	5.61	110
3.95, Senior, USD, 2050:B	750	15-JAN-2050	Baa1/BBB/NR	79.47	19-Jan-2024	5.43	95
2.2, Senior, USD, 2030:B	500	01-MAY-2030	Baa1/BBB/NR	84.74	19-Jan-2024	5.07	99
7.5, Senior, USD, 2031:B	440	01-APR-2031	Baa1/BBB/WD	113.38	19-Jan-2024	5.24	115
4, Senior, USD, 2024:B	500	01-FEB-2024	Baa1/BBB/WD	99.95	19-Jan-2024	5.65	35
Senior Unsecured, USD, Y5:CDS					20-Jan-2024		51

For pricing information refer to "Other Important Disclosures" below.

B=Bond; L=Loan; CS=Capital Security (Not including Equity Preferred); CDS=Credit Default Swap; EP=Equity Preferred

Disclosures

Important Disclosures

Credit opinion history

Kroger Co. / KR

Company	Date ^{R1}	Action	Recommendation	
Kroger Co. / KR	31-Dec-2020		Marketweight	
	18-Oct-2022	Upgrade	Overweight	
	12-Sep-2023	Downgrade	Marketweight	
Security	Date ^{R1}	Action	Recommendation	Price
8, Senior, USD, 2029:B	31-Dec-2022		Overweight	
	12-Sep-2023	Downgrade	Marketweight	112.80
2.65, Senior, USD, 2026:B	31-Dec-2022		Overweight	
	12-Sep-2023	Downgrade	Marketweight	92.05
3.7, Senior, USD, 2027:B	31-Dec-2022		Overweight	
	12-Sep-2023	Downgrade	Marketweight	92.05



Kroger Co. / KR				
Company	Date ^{R1}	Action	Recommendation	
	12-Sep-2023	Downgrade	Marketweight	94.26
5.15, Senior, USD, 2043:B	31-Dec-2022		Overweight	
	12-Sep-2023	Downgrade	Marketweight	88.20
4.45, Senior, USD, 2047:B	31-Dec-2022		Marketweight	
4.65, Senior, USD, 2048:B	31-Dec-2022		Marketweight	
5.4, Senior, USD, 2049:B	31-Dec-2022		Marketweight	
3.95, Senior, USD, 2050:B	31-Dec-2022		Marketweight	
2.2, Senior, USD, 2030:B	31-Dec-2022		Overweight	
	12-Sep-2023	Downgrade	Marketweight	81.22
7.5, Senior, USD, 2031:B	31-Dec-2022		Overweight	
	12-Sep-2023	Downgrade	Marketweight	110.96
4, Senior, USD, 2024:B	31-Dec-2022		Overweight	
	12-Sep-2023	Downgrade	Marketweight	99.30
Senior Unsecured, USD, Y5:CDS	31-Dec-2022	-	Sell Protection	

Table reflects credit opinion history as of previous business day's close. First date of recommendation within the last 36 months, if for an issuer or within the last 12 months, if for a security or loan. The investment opinion system is contained at the end of the report under the heading "BofA Global Research Credit Opinion Key."

Pricing information in the table is provided for each action where available. In the case of bonds, loans, capital securities and equity preferreds, the price shown reflects the nominal cash price for the security; and in the case of CDS, the price shown reflects the spread, on the date of the relevant action.

B=Bond; L=Loan; CS=Capital Security (Not including Equity Preferred); EP=Equity Preferred; CDS=Credit Default Swap

BofA Global Research Credit Opinion Key

BofA Global Research provides recommendations on an issuer's bonds (including corporate and sovereign external debt securities), loans, capital securities, equity preferreds and CDS as described below. Convertible securities are not rated. An issuer level recommendation may also be provided for an issuer as explained below. BofA Global Research credit recommendations are assigned using a three-month time horizon.

Issuer Recommendations: If an issuer credit recommendation is provided, it is applicable to bonds and capital securities of the issuer except bonds and capital securities specifically referenced in the report with a different credit recommendation. Where there is no issuer credit recommendation, only individual bonds and capital securities with specific recommendations are covered. Loans, CDS and equity preferreds are rated separately and issuer recommendations do not apply to them.

BofA Global Research credit recommendations are assigned using a three-month time horizon:

Overweight: Spreads and /or excess returns are likely to outperform the relevant and comparable market over the next three months.

Marketweight: Spreads and/or excess returns are likely to perform in-line with the relevant and comparable market over the next three months.

Underweight: Spreads and/or excess returns are likely to underperform the relevant and comparable market over the next three months.

BofA Global Research uses the following rating system with respect to Credit Default Swaps (CDS):

Buy Protection: Buy CDS, therefore going short credit risk. **Neutral:** No purchase or sale of CDS is recommended. **Sell Protection:** Sell CDS, therefore going long credit risk.

Corporate Credit Issuer Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R2	Count	Percent
Buy	144	37.21%	Buy	119	82.64%
Hold	193	49.87%	Hold	163	84.46%
Sell	50	12.92%	Sell	37	74.00%

R2 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 corporate credit issuer recommendations. A corporate credit issuer rated Overweight is included as a Buy, a corporate credit issuer rated Marketweight is included as a Hold, and a corporate credit issuer rated Underweight is included as a Sell

Credit Opinion History Tables for the securities referenced in this research report are available on the <u>Price Charts and Credit Opinion History Tables website</u>, or call 1-800-MERRILL to have them mailed.

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

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

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: The Kroger Co.

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: The Kroger Co.

BofAS or one of its affiliates has a significant financial interest in the fixed income instruments of the issuer. If this report was issued on or after the 15th day of the month, it reflects a significant financial interest on the last day of the previous month. Reports issued before the 15th day of the month reflect a significant financial interest at the end of the second month preceding the report: The Kroger Co.

BofAS or one of its affiliates trades or may trade as principal in the debt securities (or in related derivatives) that are the subject of this research report: The Kroger Co.

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: The Kroger Co.

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.

BofA Securities fixed income analysts regularly interact with sales and trading desk personnel in connection with their research, including to ascertain pricing and liquidity in the fixed income markets

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.

This report may refer to fixed income securities or other financial instruments that may not be offered or sold in one or more states or jurisdictions, or to certain categories of investors, including retail investors. Readers of this report are advised that any discussion, recommendation or other mention of such instruments is not a solicitation or offer to transact in such instruments. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor for information relating to such instruments. Rule 144A securities may be offered or sold only to persons in the U.S. who are Qualified Institutional Buyers within the meaning of Rule 144A under the Securities Act of 1933, as amended. SECURITIES OR OTHER FINANCIAL INSTRUMENTS DISCUSSED HEREIN MAY BE RATED BELOW INVESTMENT GRADE AND SHOULD THEREFORE ONLY BE CONSIDERED FOR INCLUSION IN ACCOUNTS OUALIFIED FOR SPECULATIVE INVESTMENT.

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.

The securities or other financial instruments discussed in this report may be traded over-the-counter. Retail sales and/or distribution of this report may be made only in states where these instruments are exempt from registration or have been qualified for sale.

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.

This report, and the securities or other financial instruments discussed herein, may not be eligible for distribution or sale in all countries or to certain categories of investors, including retail investors.

Information relating to Affiliates of BofAS, MLPF&S and Distribution of Affiliate Research Reports:

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.

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 www.bofaml.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 (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 (Canada): Merrill Lynch (Mexico): Merrill Ly 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): Merrill Lynch (International (DIFC Branch), 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 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 in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securit

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.

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.

This report may contain a trading idea or recommendation which highlights a specific identified near-term catalyst or event impacting a security, issuer, industry sector or the market generally that presents a transaction opportunity, but does not have any impact on the analyst's particular "Overweight" or "Underweight" rating (which is based on a three month trade horizon). Trading ideas and recommendations may differ directionally from the analyst's rating on a security or issuer because they reflect the impact of a near-term catalyst or event.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned in this report. Investors in such securities and instruments 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.

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 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

