

Americas Retail: Home Furnishings: GS Home Furnishings Promotional Tracker for Sep'23; Housing metric trends; Web traffic trends for WSM



In this note, we update our proprietary home furnishings promotional tracker with data from September. Additionally, we look at housing metric trends and web traffic/app download trends for WSM banners.

The promotional environment remains mixed across the industry. The average percentage markdown across the industry was slightly lower sequentially but remained the same y/y at 39% in Sep'23 vs. 41%/39% in Aug'23/Sep'22. Overall, PB Teen (57%) and Wayfair (55%) were the companies with the highest average markdowns in Sep'23. The average number of promotional emails we received remained the same at 21, vs. 21/21 in Aug'23/Jul'23. Kirkland's (30 days), Rejuvenation (30 days), and Williams Sonoma (30 days) were the most active company leveraging emails as a promotional and engagement tool in Sep'23. Overall days of free shipping decreased for the industry sequentially but remained the same y/y. Kirkland's, Pottery Barn, and Williams Sonoma offered free shipping every day in Sep'23, with the next highest frequency seen at Crate & Barrel at 23 days.

We note a continued improvement in shares of homes sold above list price and luxury homes sold as well as newer positive inflections in shares of homes sold with a price drop and pending sales that fell out of contract. However, while we continue to hear about growth in lower ticket home furnishings and small appliances in the channel, there still appears to be softness in big ticket discretionary furniture.

Overall markdowns are lower sequentially but remained the same y/y, with PB Teen and Wayfair at the top of the list with the highest average markdowns

■ Industry markdown level lower sequentially but remained the same y/y:

The average percentage markdown across the industry was lower m/m at 39% in Sep vs. 41%/40%/36% in Aug/Jul/Jun. The average markdown remained the same y/y compared to 39%/38% in Sep'22/Aug'22. The average number of promotional emails we received remained the same at 21, vs. 21/21 in Aug'23/Jul'23. September 2023 is above the average of 16 in Sep'22. PB Teen

Kate McShane, CFA +1(212)902-6740 | kate.mcshane@gs.com Goldman Sachs & Co. LLC

Leah Jordan, CFA +1(713)658-2691 | leah.jordan@gs.com Goldman Sachs & Co. LLC

Mark Jordan, CFA +1(617)772-7951 | mark.jordan@gs.com Goldman Sachs & Co. LLC

Emily Ghosh +1(713)658-2632 | emily.ghosh@gs.com Goldman Sachs & Co. LLC

Dan Duggan, Ph.D. +1(212)902-4726 | dan.duggan@gs.com Goldman Sachs & Co. LLC

Alexandra Steiger +49(69)7532-3097 | alexandra.steiger@gs.com Goldman Sachs Bank Europe SE

Goldman Sachs does and seeks to do business with companies 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. For Reg AC certification and other important disclosures, see the Disclosure Appendix, or go to www.gs.com/research/hedge.html. Analysts employed by non-US affiliates are not registered/qualified as research analysts with FINRA in the U.S.

had the highest markdown rate of the Williams Sonoma banners at 57%.

- Email count: Kirkland's (30 days), Rejuvenation (30 days), and Williams Sonoma (30 days) were the most active company leveraging emails as a promotional and engagement tool in Sep'23 followed by Cost Plus World Market at 28 days.
- Markdown level by company: Overall, PB Teen (57%) and Wayfair (55%) were the companies with the highest average markdowns in Sep'23; PB Teen, Rejuvenation, and West Elm had the highest markdowns on a 1-year average (also taking account of consistency in promotions over the months).
- Free shipping: Overall days of free shipping decreased for the industry sequentially but remained the same y/y. Kirkland's, Pottery Barn and Williams Sonoma offered free shipping every day in Sep'23, with the next highest frequency seen at Crate & Barrel at 23 days.

Takeaways from our September 2023 promotional study

We update our proprietary home furnishings promotional tracker with data from September 2023. Our trader monitors: 1) the monthly average percentage markdown, 2) the number of days with emails containing promotional offers for each retailer, and 3) the incidence of free shipping policies offered by each retailer as communicated through its promotional emails.

We examine promotional emails from several home furnishings retailers including At Home, Bassett Furniture, Cost Plus World Market, Crate & Barrel, Ethan Allen Interiors, Havertys, Kirkland's, Pottery Barn, PB Teen, Pottery Barn Kids, Rejuvenation, Wayfair, West Elm, and Williams-Sonoma. We capture discount offers (i.e. clearance) for a broad basket of home furnishings categories covering bedroom, bath, furniture, dining/kitchen, rugs/window, lighting, outdoor, storage, and tabletop.

1) Detail around the Williams-Sonoma banners:

- Pottery Barn banners:
 - Number of Promo Emails: Pottery Barn sent out less promotional emails in Sep'23 both sequentially and y/y, with 25 days of emails containing discount offers, vs. 30 in Aug'23 and 28 in Sep'22. PB Teen sent out less sequentially and y/y in Sep'23 with 24 days of emails containing discount offers, vs. 26 in Aug'23 and 29 in Sep'22. Pottery Barn's Kids sent out less sequentially but more y/y in Sep'23 with 25 days, vs. 27 in Aug'23 and 24 in Sep'22.
 - □ **Free Shipping Days:** Pottery Barn Kids, PB Teen, and Pottery Barn provided free shipping for select items on 6/18/30 days in Sep'23, respectively, compared to 17/7/31 days in Aug'23.
 - □ Average markdowns: Pottery Barn Kids and Pottery Barn markdowns were 51%/50% in Sep'23, vs. 47%/49% in Aug'23 and 45%/51% in Sep'22. PB Teen saw average markdowns of 57% in Sep'23, compared to 59% in Aug'23 and 66% in Sep'22.
- West Elm: Lower average markdown sequentially but higher y/y. Promotional emails from West Elm decreased both sequentially and y/y in September at 21 days, with the number of days with promotional emails tracking at 28 in Aug'23 and 29 in Sep'22. West Elm provided free shipping information for select items on 7 days in Sep, compared to 7/30 days in Aug'23/Jul'23 and 23 days in Sep'22. The average markdown was 53% in Sep'23, lower than 57% in Aug'23 but higher than 43% in Sep'22.
- Williams-Sonoma: Average markdown decreased both sequentially and y/y. Days with promotional emails from the Williams-Sonoma banner came in at 30 in Sep'23, compared to 30/30 in Aug'23/Jul'23 and 29 in Sep'22. Williams-Sonoma offered free shipping on select items on 30 days in Sep'23 compared to 30/31 days in Aug'23/Jul'23

and 30/31 days in Sep'22/Aug'22. Average markdowns tracked at 27% in Sep'23, down from 41% in Aug'23 compared to 28% in Sep'22.

■ Rejuvenation: Lower average markdown sequentially but remained the same y/y. Days with promotional emails from Rejuvenation increased m/m to 30 in Sep'23 from 27/24 in Aug'23/Jul'23, compared to 30/24 in Sep'22/Aug'22. Rejuvenation offered free shipping on select items on 6 days in Sep'23, compared to 8/11 days in Aug'23/Jul'23. Average markdowns tracked at 53% in Sep'23, down from 64% in Aug'23 and compared to 53% in Sep'22.

Exhibit 1: Average markdowns decreased in the industry and decelerated at WSM

Industry vs. Williams Sonoma banners



Source: Company data, Goldman Sachs Global Investment Research

Exhibit 4: Average markdowns decreased in the industry and decelerated at West Elm

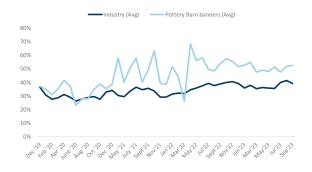
Industry vs. West Elm



Source: Company data, Goldman Sachs Global Investment Research

Exhibit 2: Average markdowns decreased in the industry but accelerated at Pottery Barn

Industry vs. Pottery Barn banners



Source: Company data, Goldman Sachs Global Investment Research

Exhibit 5: Days with free shipping promotions decelerated in Sep'23

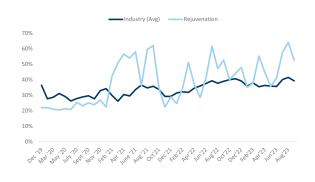
Industry vs. Williams Sonoma banners



Source: Company data, Goldman Sachs Global Investment Research

Exhibit 3: Average markdowns decreased in the industry and decelerated at Rejuvenation

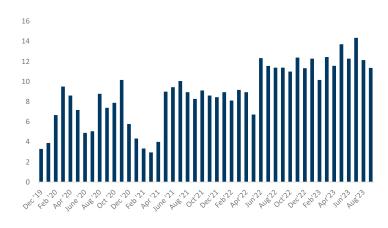
Industry vs. Rejuvenation



Source: Company data, Goldman Sachs Global Investment Research

- **2) Most active companies:** Kirkland's (30 days), Rejuvenation (30 days), and Williams Sonoma (30 days) were the most active company leveraging emails as a promotional and engagement tool in Sep'23 followed by Cost Plus World Market at 28 days. Bassett Furniture, Cost Plus World Market, Ethan Allen Interiors, Pottery Barn Kids, Wayfair, and Williams Sonoma saw a y/y increase in the number of days with promotional emails compared to Sep'22.
- **3) Overall markdowns are lower sequentially but remained the same y/y:** The average percentage markdown across the industry was lower m/m at 39% in Sep vs. 41%/40%/36% in Aug/Jul/Jun. The average markdown remained the same y/y compared to 39%/38% in Sep'22/Aug'22. The average number of promotional emails we received remained the same at 21, vs. 21/21 in Aug'23/Jul'23. September 2023 is above the average of 16 in Sep'22.
- **4) PB Teen and Wayfair had the highest markdowns in September:** For Sep'23, PB Teen and Wayfair had the highest average markdown rates at 57%/55%, respectively, followed by both Rejuvenation and Wayfair at 53%. On a historical average basis for the period of Dec'19 to Sep'23 (while taking promotional email consistency into consideration), markdowns have been the highest at Wayfair, PB Teen, PB Kids and At Home.
- **5) Overall free shipping promotions decreased sequentially but remained the same y/y:** Kirkland's, Pottery Barn, and Williams Sonoma offered free shipping every day in Sep'23, with the next highest frequency seen at Crate & Barrel at 23 days.



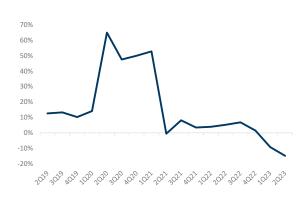


Source: Company data, Goldman Sachs Global Investment Research

Home Furnishings data points

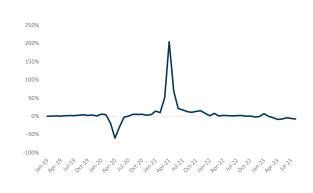
Home furnishings e-commerce sales declined -14.9% y/y in 2Q23, decelerating from -9.3% y/y in 1Q23 and compared to +5.2% y/y in 2Q22. Home furnishings retail sales decreased -7.8% y/y in Aug'23, decelerating from -6.3% y/y in Jul'23 and compared to +1.9% y/y in Aug'22. Looking at PCE, the furniture and household equipment category was down -1.2% y/y in Aug'23, compared to -0.1% y/y in Jul'23 and decelerating from +8.0% y/y in Aug'22.

Exhibit 7: E-Commerce Sales, Furniture & Home Furnishings (NSA) y/y (%)



Source: Goldman Sachs Global Investment Research, Census Bureau

Exhibit 8: Retail Sales, Home Furnishings y/y (%)



Source: Goldman Sachs Global Investment Research, Census Bureau

Exhibit 9: PCE, Furniture and Household Equipment y/y (%)



Source: Goldman Sachs Global Investment Research, US Bureau of Economic Analysis (BEA)

Exhibit 10: Total promo emails with offers

Total emails with offers	Avg	Sept'21	Oct'21	Nov'21	Dec'21	Jan'22	Feb'22	Mar'22	Apr'22	May'22	Jun'22	Jul'22	Aug'22	Sept'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sept'23
At Home (HOME)	12	5	5	7	3	6	13	5	5	17	26	28	21	20	17	28	26	26	28	25	27	27	26	24	18	15
Bassett Furniture (BSET)	14	15	14	16	13	13	17	16	16	9	13	17	15	16	16	16	12	16	10	18	16	17	12	16	15	17
Cost Plus World Market	11	6	2	0	1	0	0	0	0	9	12	10	2	2	3	13	18	16	12	11	16	13	20	22	20	28
Crate and Barrel	17	30	25	17	16	3	11	11	11	3	17	15	14	14	21	29	18	11	13	12	21	30	25	13	7	12
Ethan Allen Interiors (ETH)	10	12	12	11	11	13	13	13	13	13	9	15	14	14	16	14	12	15	11	13	14	16	14	14	14	15
Havertys (HVT)	1	0	0	0	0	0	0	0	0	3	1	0	2	1	0	0	0	0	1	0	0	0	0	0	0	0
Kirkland's (KIRK)	25	30	31	30	21	28	27	29	30	25	30	30	31	30	24	30	24	28	26	30	24	31	30	31	31	30
PBteen (WSM)	17	9	20	25	25	21	10	11	18	15	21	24	23	29	29	29	29	28	26	31	24	28	29	29	26	24
Pottery Barn (WSM)	15	0	0	0	0	0	0	0	0	19	29	30	30	28	26	27	31	28	10	29	30	31	30	28	30	25
Pottery Barn Kids (WSM)	14	0	0	0	0	0	0	0	0	13	20	20	21	24	22	27	31	31	28	31	28	29	30	31	27	25
Rejuvenation (WSM)	20	21	16	19	27	16	12	5	15	14	29	18	24	30	18	29	31	20	19	21	17	28	26	24	27	30
Wayfair (W)	3	0	0	0	0	0	0	0	0	4	7	5	6	4	9	16	6	6	7	6	8	8	8	16	14	16
West Elm (WSM)	20	9	30	27	31	28	15	31	30	20	30	31	31	29	22	28	29	31	26	31	5	30	30	16	28	21
Williams Sonoma (WSM)	27	29	31	30	31	31	28	31	27	24	28	30	29	29	28	28	31	28	26	31	30	31	29	30	30	30
Average	13	11	12	12	12	11	10	10	11	12	17	17	16	16	15	19	18	18	15	18	19	23	22	21	21	21

Source: Company data, data compiled by Goldman Sachs Global Investment Research

Exhibit 11: Average percentage markdown (excluding clearance)

Avg markdown (ex clear)	Avg	Sept'21	Oct'21	Nov'21	Dec'21	Jan'22	Feb'22	Mar'22	Apr'22	May'22	Jun'22	Jul'22	Aug'22	Sept'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sept'23
At Home (HOME)	40%	48%	46%	27%	41%	41%	49%	50%	45%	31%	37%	35%	41%	45%	33%	37%	44%	39%	52%	44%	46%	38%	34%	26%	27%	28%
Bassett Furniture (BSET)	29%	32%	33%	31%	26%	29%	26%	24%	29%	28%	27%	28%	38%	26%	29%	33%	25%	26%	28%	26%	30%	29%	26%	34%	47%	29%
Cost Plus World Market	26%	33%	25%	NA	20%	NA	NA	NA	NA	21%	17%	30%	30%	40%	20%	14%	25%	23%	12%	10%	14%	17%	27%	33%	19%	25%
Crate and Barrel	29%	32%	37%	30%	27%	41%	26%	28%	28%	27%	35%	37%	34%	28%	33%	37%	33%	27%	33%	27%	29%	28%	26%	32%	28%	34%
Ethan Allen Interiors (ETH)	20%	18%	19%	17%	20%	20%	20%	20%	20%	20%	20%	18%	19%	20%	20%	20%	18%	18%	20%	20%	19%	18%	15%	18%	19%	15%
Havertys (HVT)	16%	NA	NA	NA	NA	NA	NA	NA	NA	20%	20%	NA	20%	20%	NA	NA	NA	NA	30%	NA						
Kirkland's (KIRK)	28%	23%	22%	24%	24%	22%	25%	23%	23%	32%	32%	38%	30%	29%	36%	33%	44%	28%	30%	34%	38%	39%	35%	39%	33%	35%
PBteen (WSM)	50%	49%	63%	39%	39%	52%	44%	26%	68%	68%	70%	38%	58%	66%	68%	56%	56%	62%	67%	64%	59%	56%	59%	51%	59%	57%
Pottery Barn (WSM)	39%	NA	NA	NA	NA	NA	NA	NA	NA	53%	60%	64%	48%	51%	61%	52%	42%	39%	41%	23%	36%	42%	46%	46%	49%	50%
Pottery Barn Kids (WSM)	44%	NA	NA	NA	NA	NA	NA	NA	NA	48%	45%	47%	39%	45%	43%	59%	56%	57%	56%	56%	52%	45%	49%	46%	47%	51%
Rejuvenation (WSM)	39%	62%	34%	22%	29%	25%	34%	51%	37%	29%	41%	61%	47%	53%	40%	44%	48%	35%	38%	55%	45%	36%	41%	58%	64%	53%
Wayfair (W)	53%	NA	NA	NA	NA	NA	NA	NA	NA	56%	51%	44%	57%	52%	66%	59%	50%	45%	51%	53%	56%	53%	50%	51%	49%	55%
West Elm (WSM)	39%	37%	34%	43%	42%	33%	40%	37%	40%	48%	45%	42%	42%	43%	40%	47%	53%	53%	40%	33%	15%	33%	26%	49%	57%	53%
Williams Sonoma (WSM)	34%	35%	32%	31%	32%	30%	35%	34%	28%	34%	33%	38%	31%	28%	30%	44%	30%	28%	39%	30%	34%	32%	29%	37%	41%	27%
Average	34%	36%	34%	29%	29%	31%	32%	32%	35%	36%	38%	39%	38%	39%	40%	41%	39%	36%	38%	35%	36%	36%	36%	40%	41%	39%

Source: Company data, data compiled by Goldman Sachs Global Investment Research

Exhibit 12: Days with shipping promotions

Days with free shipping	Avg	Sept'21	Oct'21	Nov'21	Dec'21	Jan'22	Feb'22	Mar'22	Apr'22	May'22	Jun'22	Jul'22	Aug'22	Sept'22	Oct'22	Nov'22	Dec'22	Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sept'23
At Home (HOME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bassett Furniture (BSET)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Cost Plus World Market	3	0	0	0	0	0	0	0	0	0	10	0	0	0	2	2	5	5	5	6	7	13	13	5	5	0
Crate and Barrel	10	14	15	18	11	11	10	5	10	3	4	8	1	10	15	24	17	16	5	15	12	13	14	11	16	23
Ethan Allen Interiors (ETH)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Havertys (HVT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kirkland's (KIRK)	21	30	29	14	16	20	24	29	30	24	21	21	27	26	21	25	8	29	23	25	21	30	30	30	31	30
PBteen (WSM)	20	25	30	25	31	31	28	31	28	15	30	31	31	28	31	16	25	29	28	28	14	15	12	7	7	18
Pottery Barn (WSM)	15	0	0	0	0	0	0	0	0	10	24	26	24	27	25	25	31	31	25	31	28	31	30	28	31	30
Pottery Barn Kids (WSM)	12	1	1	0	0	0	0	0	0	15	27	30	24	21	16	17	19	15	21	25	27	27	15	30	17	6
Rejuvenation (WSM)	7	0	10	8	1	6	0	7	7	6	12	0	4	7	12	8	0	6	0	5	10	11	5	11	8	6
Wayfair (W)	4	0	0	0	0	0	0	0	0	9	18	6	8	7	7	16	7	9	7	5	11	7	7	18	18	9
West Elm (WSM)	15	25	17	30	31	31	28	31	29	4	17	24	24	23	27	30	31	16	13	22	2	14	16	30	7	7
Williams Sonoma (WSM)	19	24	31	30	31	31	28	31	27	26	30	31	31	30	31	30	31	31	28	31	30	31	30	31	30	30
Average	9	8	9	9	8	9	8	9	9	7	12	12	11	11	11	12	11	12	10	12	12	14	12	14	12	11

Source: Company data, data compiled by Goldman Sachs Global Investment Research

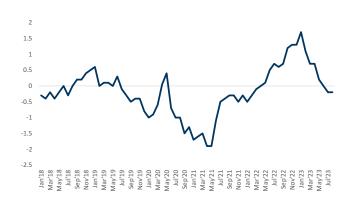
Housing metric trends

For the housing market, months of supply was -0.2 y/y in Aug'23, remained the same at -0.2 y/y in Jul'23 and compared to +0.6 y/y in Aug'22. Median days on the market increased by +4 y/y in Aug'23, decelerating from +8 y/y in Jul'23 and compared to +9 y/y in Aug'22. Looking at the shares of homes with a price drop, it dropped by -1.7% y/y in Aug'23 vs. -2.5% y/y in Jul'23, and shares of homes sold above list price decreased by -1.5% y/y in Aug'23, vs. -9.0% y/y in Jul'23 and compared to -14.3% y/y in Aug'22.

For the luxury market, homes sold decreased -24.1% y/y for 3 months ending in Jun'23, improving from -44.6% y/y for 3 months ending in Jan'23. Looking at the sales price, it grew by +4.6% y/y for 3 months ending in Jun'23, decelerating from +9.0% y/y for 3 months ending in Jan'23.

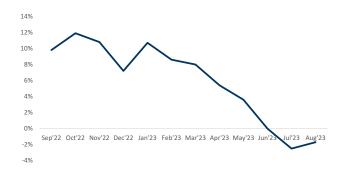
We note a continued improvement in shares of homes sold above list price and luxury homes sold while median days on the market continues to improve. We also note newer positive inflections in shares of homes sold with a price drop and pending sales that fell out of contract.

Exhibit 13: Months of supply - YoY change Housing market



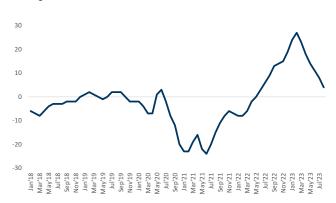
Source: redfin

Exhibit 15: Shares of homes with a price drop - YoY change Housing market



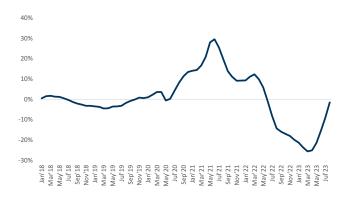
Source: redfin

Exhibit 14: Median days on market - YoY change Housing market



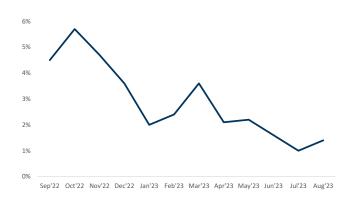
Source: redfin

Exhibit 16: Shares of homes sold above list price - YoY change Housing market



Source: redfin

Exhibit 17: Pending sales that fell out of contract - YoY change Housing market



Source: redfin

Exhibit 18: Home sold - YoY change
Luxury market

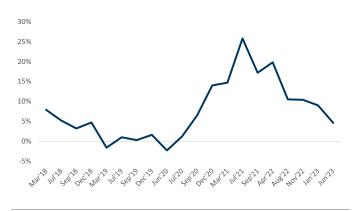
140%
120%
100%
80%
60%
40%
20%
0%
-20%

Jun'20 Jul'20 Sep'20 Dec'20 Mar'21 Jul'21 Sep'21 Apr'22 Aug'22 Nov'22 Jan'23 Jun'23

Source: redfin

-40%

Exhibit 19: Sales price - YoY change Luxury market

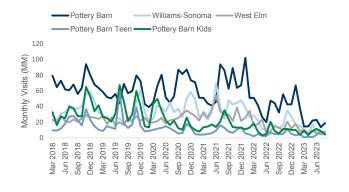


Source: redfin

Updating the web traffic tracker for WSM

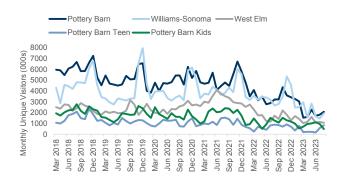
In this section, we present an update on the web traffic tracker for WSM banners. Out of all the banners assessed (Pottery Barn banners, West Elm, and Williams-Sonoma), Pottery Barn had the highest number of monthly visits at 18.9mn in Aug'23 (up from 13.6mn in Jul'23), followed by Williams-Sonoma (at 8.4mn) and PB Teen (at 6.3mn). Compared to Aug'22, combined monthly visits for all banners declined by -50.7% in Aug'23 (vs. -74.5% compared to average of 2019), with West Elm declining by -60.6% and Pottery Barn declining at -57.5%. In terms of monthly unique visitors, Pottery Barn continued to be slightly higher in Aug'23 at 2.1mn (vs. 3.2mn in Aug'22) compared to Williams-Sonoma's 1.9mn (vs. 2.7mn in Aug'22). On combined level, monthly unique visitors have gone down by -34.7% when compared to Aug'22 levels (vs. -55.4% compared to average of 2019).

Exhibit 20: Monthly visits by banner



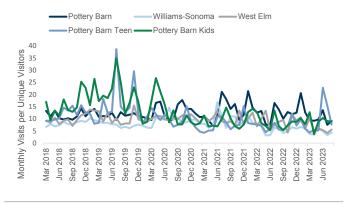
Source: comScore, Data compiled by Goldman Sachs Global Investment Research

Exhibit 22: Monthly unique visitors by banner



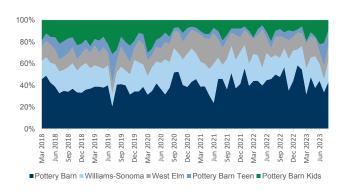
Source: comScore, Data compiled by Goldman Sachs Global Investment Research

Exhibit 24: Average views per visitor



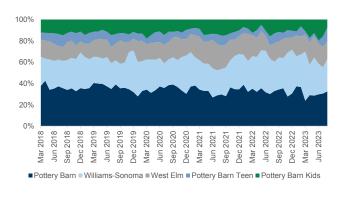
Source: comScore, Data compiled by Goldman Sachs Global Investment Research

Exhibit 21: Banner - wise breakup of total monthly visits



Source: comScore, Data compiled by Goldman Sachs Global Investment Research

Exhibit 23: Banner-wise breakup of monthly unique visitors



Source: comScore, Data compiled by Goldman Sachs Global Investment Research

Note: GS DataWorks leverages alternative data sources and advanced analysis techniques to create unique data-driven insights across Global Investment Research.

Disclosure Appendix

Reg AC

We, Kate McShane, CFA, Leah Jordan, CFA, Mark Jordan, CFA and Emily Ghosh, hereby certify that all of the views expressed in this report accurately reflect our personal views about the subject company or companies and its or their securities. We also certify that no part of our compensation was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in this report.

Unless otherwise stated, the individuals listed on the cover page of this report are analysts in Goldman Sachs' Global Investment Research division.

GS Factor Profile

The Goldman Sachs Factor Profile provides investment context for a stock by comparing key attributes to the market (i.e. our coverage universe) and its sector peers. The four key attributes depicted are: Growth, Financial Returns, Multiple (e.g. valuation) and Integrated (a composite of Growth, Financial Returns and Multiple). Growth, Financial Returns and Multiple are calculated by using normalized ranks for specific metrics for each stock. The normalized ranks for the metrics are then averaged and converted into percentiles for the relevant attribute. The precise calculation of each metric may vary depending on the fiscal year, industry and region, but the standard approach is as follows:

Growth is based on a stock's forward-looking sales growth, EBITDA growth and EPS growth (for financial stocks, only EPS and sales growth), with a higher percentile indicating a higher growth company. **Financial Returns** is based on a stock's forward-looking ROE, ROCE and CROCI (for financial stocks, only ROE), with a higher percentile indicating a company with higher financial returns. **Multiple** is based on a stock's forward-looking P/E, P/B, price/dividend (P/D), EV/EBITDA, EV/FCF and EV/Debt Adjusted Cash Flow (DACF) (for financial stocks, only P/E, P/B and P/D), with a higher percentile indicating a stock trading at a higher multiple. The **Integrated** percentile is calculated as the average of the Growth percentile, Financial Returns percentile and (100% - Multiple percentile).

Financial Returns and Multiple use the Goldman Sachs analyst forecasts at the fiscal year-end at least three quarters in the future. Growth uses inputs for the fiscal year at least seven quarters in the future compared with the year at least three quarters in the future (on a per-share basis for all metrics).

For a more detailed description of how we calculate the GS Factor Profile, please contact your GS representative.

M&A Rank

Across our global coverage, we examine stocks using an M&A framework, considering both qualitative factors and quantitative factors (which may vary across sectors and regions) to incorporate the potential that certain companies could be acquired. We then assign a M&A rank as a means of scoring companies under our rated coverage from 1 to 3, with 1 representing high (30%-50%) probability of the company becoming an acquisition target, 2 representing medium (15%-30%) probability and 3 representing low (0%-15%) probability. For companies ranked 1 or 2, in line with our standard departmental guidelines we incorporate an M&A component into our target price. M&A rank of 3 is considered immaterial and therefore does not factor into our price target, and may or may not be discussed in research.

Quantum

Quantum is Goldman Sachs' proprietary database providing access to detailed financial statement histories, forecasts and ratios. It can be used for in-depth analysis of a single company, or to make comparisons between companies in different sectors and markets.

Disclosures

The rating(s) for Williams-Sonoma Inc. is/are relative to the other companies in its/their coverage universe: Academy Sports & Outdoors Inc., Advance Auto Parts Inc., AutoZone Inc., BJ's Wholesale Club Holdings, Bath & Body Works Inc., Best Buy Co., Big Lots Inc., Boyd Group, Container Store Group, Costco Wholesale, Dick's Sporting Goods, Dollar General Corp., Dollar Tree Stores Inc., Driven Brands Holdings, Five Below Inc., Floor & Decor Holdings, Foot Locker Inc., Genuine Parts Co., Grocery Outlet Holding, Home Depot Inc., Leslie's Inc., Life Time Group Holdings, Lithia Motors Inc., Lowe's Cos., Mister Car Wash Inc., National Vision Holdings, Nike Inc., O'Reilly Automotive Inc., Ollie's Bargain Outlet Inc., Petco Health and Wellness Co., RH, Sprouts Farmers Market Inc., Target Corp., Topgolf Callaway Brands Corp., Tractor Supply Co., Ulta Beauty Inc., United Natural Foods Inc., Valvoline Inc., Williams-Sonoma Inc.

Company-specific regulatory disclosures

The following disclosures relate to relationships between The Goldman Sachs Group, Inc. (with its affiliates, "Goldman Sachs") and companies covered by Goldman Sachs Global Investment Research and referred to in this research.

Goldman Sachs expects to receive or intends to seek compensation for investment banking services in the next 3 months: Williams-Sonoma Inc. (\$151.65)

Goldman Sachs had an investment banking services client relationship during the past 12 months with: Williams-Sonoma Inc. (\$151.65)

Goldman Sachs makes a market in the securities or derivatives thereof: Williams-Sonoma Inc. (\$151.65)

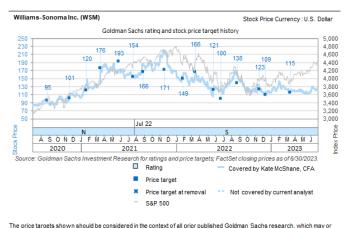
Distribution of ratings/investment banking relationships

Goldman Sachs Investment Research global Equity coverage universe

	R	ating Distribution	n	Investme	ionships	
	Buy	Hold	Sell	Buy	Hold	Sell
Global	48%	36%	16%	63%	56%	47%

As of July 1, 2023, Goldman Sachs Global Investment Research had investment ratings on 3,008 equity securities. Goldman Sachs assigns stocks as Buys and Sells on various regional Investment Lists; stocks not so assigned are deemed Neutral. Such assignments equate to Buy, Hold and Sell for the purposes of the above disclosure required by the FINRA Rules. See 'Ratings, Coverage universe and related definitions' below. The Investment Banking Relationships chart reflects the percentage of subject companies within each rating category for whom Goldman Sachs has provided investment banking services within the previous twelve months.

Price target and rating history chart(s)



The price targets shown should be considered in the context of all prior published Goldman Sachs research, which may o may not have included price targets, as well as developments relating to the company, its industry and financial markets.

Regulatory disclosures

Disclosures required by United States laws and regulations

See company-specific regulatory disclosures above for any of the following disclosures required as to companies referred to in this report: manager or co-manager in a pending transaction; 1% or other ownership; compensation for certain services; types of client relationships; managed/co-managed public offerings in prior periods; directorships; for equity securities, market making and/or specialist role. Goldman Sachs trades or may trade as a principal in debt securities (or in related derivatives) of issuers discussed in this report.

The following are additional required disclosures: **Ownership and material conflicts of interest:** Goldman Sachs policy prohibits its analysts, professionals reporting to analysts and members of their households from owning securities of any company in the analyst's area of coverage. **Analyst compensation:** Analysts are paid in part based on the profitability of Goldman Sachs, which includes investment banking revenues. **Analyst as officer or director:** Goldman Sachs policy generally prohibits its analysts, persons reporting to analysts or members of their households from serving as an officer, director or advisor of any company in the analyst's area of coverage. **Non-U.S. Analysts:** Non-U.S. analysts may not be associated persons of Goldman Sachs & Co. LLC and therefore may not be subject to FINRA Rule 2241 or FINRA Rule 2242 restrictions on communications with subject company, public appearances and trading securities held by the analysts.

Distribution of ratings: See the distribution of ratings disclosure above. **Price chart:** See the price chart, with changes of ratings and price targets in prior periods, above, or, if electronic format or if with respect to multiple companies which are the subject of this report, on the Goldman Sachs website at https://www.gs.com/research/hedge.html.

Additional disclosures required under the laws and regulations of jurisdictions other than the United States

The following disclosures are those required by the jurisdiction indicated, except to the extent already made above pursuant to United States laws and regulations. Australia: Goldman Sachs Australia Pty Ltd and its affiliates are not authorised deposit-taking institutions (as that term is defined in the Banking Act 1959 (Cth)) in Australia and do not provide banking services, nor carry on a banking business, in Australia. This research, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act, unless otherwise agreed by Goldman Sachs. In producing research reports, members of Global Investment Research of Goldman Sachs Australia may attend site visits and other meetings hosted by the companies and other entities which are the subject of its research reports. In some instances the costs of such site visits or meetings may be met in part or in whole by the issuers concerned if Goldman Sachs Australia considers it is appropriate and reasonable in the specific circumstances relating to the site visit or meeting. To the extent that the contents of this document contains any financial product advice, it is general advice only and has been prepared by Goldman Sachs without taking into account a client's objectives, financial situation or needs. A client should, before acting on any such advice, consider the appropriateness of the advice having regard to the client's own objectives, financial situation and needs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests and a copy of Goldman Sachs' Australian Sell-Side Research Independence Policy Statement are available at: https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html. Brazil: Disclosure information in relation to CVM Resolution n. 20 is available at https://www.gs.com/worldwide/brazil/area/gir/index.html. Where applicable, the Brazil-registered analyst primarily responsible for the content of this research report, as defined in Article 20 of CVM Resolution n. 20, is the first author named at the beginning of this report, unless indicated otherwise at the end of the text. Canada: This information is being provided to you for information purposes only and is not, and under no circumstances should be construed as, an advertisement, offering or solicitation by Goldman Sachs & Co. LLC for purchasers of securities in Canada to trade in any Canadian security. Goldman Sachs & Co. LLC is not registered as a dealer in any jurisdiction in Canada under applicable Canadian securities laws and generally is not permitted to trade in Canadian securities and may be prohibited from selling certain securities and products in certain jurisdictions in Canada. If you wish to trade in any Canadian securities or other products in Canada please contact Goldman Sachs Canada Inc., an affiliate of The Goldman Sachs Group Inc., or another registered Canadian dealer. Hong Kong: Further information on the securities of covered companies referred to in this research may be obtained on request from Goldman Sachs (Asia) L.L.C. India: Further information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (India) Securities Private Limited, Research Analyst - SEBI Registration Number INH000001493, 951-A, Rational House, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India, Corporate Identity Number U74140MH2006FTC160634, Phone +91 22 6616 9000, Fax +91 22 6616 9001. Goldman Sachs may beneficially own 1% or more of the securities (as such term is defined in clause 2 (h) the Indian Securities Contracts (Regulation) Act, 1956) of the subject company or companies referred to in this research report. Investment in securities market are subject to market risks. Read all the related documents carefully before investing. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Goldman Sachs (India) Securities Private Limited Investor Grievance E-mail: india-client-support@gs.com. Compliance Officer: Anil Rajput |Tel: + 91 22 6616 9000 | Email: anil.m.rajput@gs.com. Japan: See below. Korea: This research, and any access to it, is intended only for professional investors" within the meaning of the Financial Services and Capital Markets Act, unless otherwise agreed by Goldman Sachs. Further, information on the subject company or companies referred to in this research may be obtained from Goldman Sachs (Asia) L.L.C., Seoul Branch. New Zealand: Goldman Sachs New Zealand Limited and its affiliates are neither "registered banks" nor "deposit takers" (as defined in the Reserve Bank of New Zealand Act 1989) in New Zealand. This research, and any access to it, is intended for "wholesale clients" (as defined in the Financial Advisers Act 2008) unless otherwise agreed by Goldman Sachs. A copy of certain Goldman Sachs Australia and New Zealand disclosure of interests is available at:

https://www.goldmansachs.com/disclosures/australia-new-zealand/index.html. Russia: Research reports distributed in the Russian Federation are not advertising as defined in the Russian legislation, but are information and analysis not having product promotion as their main purpose and do not provide appraisal within the meaning of the Russian legislation on appraisal activity. Research reports do not constitute a personalized investment recommendation as defined in Russian laws and regulations, are not addressed to a specific client, and are prepared without analyzing the financial circumstances, investment profiles or risk profiles of clients. Goldman Sachs assumes no responsibility for any investment decisions that may be taken by a client or any other person based on this research report. Singapore: Goldman Sachs (Singapore) Pte. (Company Number: 198602165W), which is regulated by the Monetary Authority of Singapore, accepts legal responsibility for this research, and should be contacted with respect to any matters arising from, or in connection with, this research. Taiwan: This material is for reference only and must not be reprinted without permission. Investors should carefully consider their own investment risk. Investment results are the responsibility of the individual investor. United Kingdom: Persons who would be categorized as retail clients in the United Kingdom, as such term is defined in the rules of the Financial Conduct Authority, should read this research in conjunction with prior Goldman Sachs International. A copy of these risks warnings, and a glossary of certain financial terms used in this report, are available from Goldman Sachs International on request.

European Union and United Kingdom: Disclosure information in relation to Article 6 (2) of the European Commission Delegated Regulation (EU) (2016/958) supplementing Regulation (EU) No 596/2014 of the European Parliament and of the Council (including as that Delegated Regulation is implemented into United Kingdom domestic law and regulation following the United Kingdom's departure from the European Union and the European Economic Area) with regard to regulatory technical standards for the technical arrangements for objective presentation of investment recommendations or other information recommending or suggesting an investment strategy and for disclosure of particular interests or indications of conflicts of interest is available at https://www.gs.com/disclosures/europeanpolicy.html which states the European Policy for Managing Conflicts of Interest in Connection with Investment Research.

Japan: Goldman Sachs Japan Co., Ltd. is a Financial Instrument Dealer registered with the Kanto Financial Bureau under registration number Kinsho 69, and a member of Japan Securities Dealers Association, Financial Futures Association of Japan Type II Financial Instruments Firms Association, The Investment Trusts Association, Japan, and Japan Investment Advisers Association. Sales and purchase of equities are subject to commission pre-determined with clients plus consumption tax. See company-specific disclosures as to any applicable disclosures required by Japanese stock exchanges, the Japanese Securities Dealers Association or the Japanese Securities Finance Company.

Ratings, coverage universe and related definitions

Buy (B), Neutral (N), Sell (S) Analysts recommend stocks as Buys or Sells for inclusion on various regional Investment Lists. Being assigned a Buy or Sell on an Investment List is determined by a stock's total return potential relative to its coverage universe. Any stock not assigned as a Buy or a Sell on an Investment List with an active rating (i.e., a stock that is not Rating Suspended, Not Rated, Coverage Suspended or Not Covered), is deemed Neutral. Each region manages Regional Conviction lists, which are selected from Buy rated stocks on the respective region's Investment lists and represent investment recommendations focused on the size of the total return potential and/or the likelihood of the realization of the return across their respective areas of coverage. The addition or removal of stocks from such Conviction lists are managed by the Investment Review Committee or other designated committee in each respective region and do not represent a change in the analysts' investment rating for such stocks.

Total return potential represents the upside or downside differential between the current share price and the price target, including all paid or anticipated dividends, expected during the time horizon associated with the price target. Price targets are required for all covered stocks. The total return potential, price target and associated time horizon are stated in each report adding or reiterating an Investment List membership.

Coverage Universe: A list of all stocks in each coverage universe is available by primary analyst, stock and coverage universe at https://www.gs.com/research/hedge.html.

Not Rated (NR). The investment rating, target price and earnings estimates (where relevant) are not provided or have been suspended pursuant to Goldman Sachs policy when Goldman Sachs is acting in an advisory capacity in a merger or in a strategic transaction involving this company, when there are legal, regulatory or policy constraints due to Goldman Sachs' involvement in a transaction, when the company is an early-stage biotechnology company, and in certain other circumstances. Rating Suspended (RS). Goldman Sachs Research has suspended the investment rating and price target for this stock, because there is not a sufficient fundamental basis for determining an investment rating or target price. The previous investment rating and target price, if any, are no longer in effect for this stock and should not be relied upon. Coverage Suspended (CS). Goldman Sachs has suspended coverage of this company. Not Available or Not Applicable (NA). The information is not available for display or is not applicable. Not Meaningful (NM). The information is not meaningful and is therefore excluded.

Global product; distributing entities

Goldman Sachs Global Investment Research produces and distributes research products for clients of Goldman Sachs on a global basis. Analysts based in Goldman Sachs offices around the world produce research on industries and companies, and research on macroeconomics, currencies, commodities and portfolio strategy. This research is disseminated in Australia by Goldman Sachs Australia Pty Ltd (ABN 21 006 797 897); in Brazil by Goldman Sachs do Brasil Corretora de Títulos e Valores Mobiliários S.A.; Public Communication Channel Goldman Sachs Brazil: 0800 727 5764 and / or contatogoldmanbrasil@gs.com. Available Weekdays (except holidays), from 9am to 6pm. Canal de Comunicação com o Público Goldman Sachs Brasil: 0800 727 5764 e/ou contatogoldmanbrasil@gs.com. Horário de funcionamento: segunda-feira à sexta-feira (exceto feriados), das 9h às 18h; in Canada by Goldman Sachs & Co. LLC; in Hong Kong by Goldman Sachs (Asia) L.L.C.; in India by Goldman Sachs (India) Securities Private Ltd.; in Japan by Goldman Sachs Japan Co., Ltd.; in the Republic of Korea by Goldman Sachs (Asia) L.L.C., Seoul Branch; in New Zealand by Goldman Sachs New Zealand Limited; in Russia by OOO Goldman Sachs; in Singapore by Goldman Sachs (Singapore) Pte. (Company Number: 198602165W); and in the United States of America by Goldman Sachs & Co. LLC. Goldman Sachs International has approved this research in connection with its distribution in the United Kingdom.

Goldman Sachs International ("GSI"), authorised by the Prudential Regulation Authority ("PRA") and regulated by the Financial Conduct Authority ("FCA") and the PRA, has approved this research in connection with its distribution in the United Kingdom.

European Economic Area: GSI, authorised by the PRA and regulated by the FCA and the PRA, disseminates research in the following jurisdictions within the European Economic Area: the Grand Duchy of Luxembourg, Italy, the Kingdom of Belgium, the Kingdom of Denmark, the Kingdom of Norway, the Republic of Finland and the Republic of Ireland; GSI - Succursale de Paris (Paris branch) which is authorised by the French Autorité de contrôle prudentiel et de resolution ("ACPR") and regulated by the Autorité de contrôle prudentiel et de resolution and the Autorité des marches ("AMF") disseminates research in France; GSI - Succursale en España (Madrid branch) authorized in Spain by the Comisión Nacional del Mercado de Valores disseminates research in the Kingdom of Spain; GSI - Sweden Bankfilial (Stockholm branch) is authorized by the SFSA as a "third country branch" in accordance with Chapter 4, Section 4 of the Swedish Securities and Market Act (Sw. lag (2007:528) om värdepappersmarknaden) disseminates research in the Kingdom of Sweden; Goldman Sachs Bank Europe SE ("GSBE") is a credit institution incorporated in Germany and, within the Single Supervisory Mechanism, subject to direct prudential supervision by the European Central Bank and in other respects supervised by German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, BaFin) and Deutsche Bundesbank and disseminates research in the Federal Republic of Germany and those jurisdictions within the European Economic Area where GSI is not authorised to disseminate research and additionally, GSBE, Copenhagen Branch filial af GSBE, Tyskland, supervised by the Danish Financial Authority disseminates research in the Kingdom

of Denmark; GSBE - Sucursal en España (Madrid branch) subject (to a limited extent) to local supervision by the Bank of Spain disseminates research in the Kingdom of Spain; GSBE - Succursale Italia (Milan branch) to the relevant applicable extent, subject to local supervision by the Bank of Italy (Banca d'Italia) and the Italian Companies and Exchange Commission (Commissione Nazionale per le Società e la Borsa "Consob") disseminates research in Italy; GSBE - Succursale de Paris (Paris branch), supervised by the AMF and by the ACPR disseminates research in France; and GSBE - Sweden Bankfilial (Stockholm branch), to a limited extent, subject to local supervision by the Swedish Financial Supervisory Authority (Finansinpektionen) disseminates research in the Kingdom of Sweden.

General disclosures

This research is for our clients only. Other than disclosures relating to Goldman Sachs, this research is based on current public information that we consider reliable, but we do not represent it is accurate or complete, and it should not be relied on as such. The information, opinions, estimates and forecasts contained herein are as of the date hereof and are subject to change without prior notification. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Other than certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the analyst's judgment.

Goldman Sachs conducts a global full-service, integrated investment banking, investment management, and brokerage business. We have investment banking and other business relationships with a substantial percentage of the companies covered by Global Investment Research. Goldman Sachs & Co. LLC, the United States broker dealer, is a member of SIPC (https://www.sipc.org).

Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and principal trading desks that reflect opinions that are contrary to the opinions expressed in this research. Our asset management area, principal trading desks and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

The analysts named in this report may have from time to time discussed with our clients, including Goldman Sachs salespersons and traders, or may discuss in this report, trading strategies that reference catalysts or events that may have a near-term impact on the market price of the equity securities discussed in this report, which impact may be directionally counter to the analyst's published price target expectations for such stocks. Any such trading strategies are distinct from and do not affect the analyst's fundamental equity rating for such stocks, which rating reflects a stock's return potential relative to its coverage universe as described herein.

We and our affiliates, officers, directors, and employees will from time to time have long or short positions in, act as principal in, and buy or sell, the securities or derivatives, if any, referred to in this research, unless otherwise prohibited by regulation or Goldman Sachs policy.

The views attributed to third party presenters at Goldman Sachs arranged conferences, including individuals from other parts of Goldman Sachs, do not necessarily reflect those of Global Investment Research and are not an official view of Goldman Sachs.

Any third party referenced herein, including any salespeople, traders and other professionals or members of their household, may have positions in the products mentioned that are inconsistent with the views expressed by analysts named in this report.

This research is not an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. The price and value of investments referred to in this research and the income from them may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.

Certain transactions, including those involving futures, options, and other derivatives, give rise to substantial risk and are not suitable for all investors. Investors should review current options and futures disclosure documents which are available from Goldman Sachs sales representatives or at https://www.theocc.com/about/publications/character-risks.jsp and

https://www.fiadocumentation.org/fia/regulatory-disclosures_1/fia-uniform-futures-and-options-on-futures-risk-disclosures-booklet-pdf-version-2018. Transaction costs may be significant in option strategies calling for multiple purchase and sales of options such as spreads. Supporting documentation will be supplied upon request.

Differing Levels of Service provided by Global Investment Research: The level and types of services provided to you by Goldman Sachs Global Investment Research may vary as compared to that provided to internal and other external clients of GS, depending on various factors including your individual preferences as to the frequency and manner of receiving communication, your risk profile and investment focus and perspective (e.g., marketwide, sector specific, long term, short term), the size and scope of your overall client relationship with GS, and legal and regulatory constraints. As an example, certain clients may request to receive notifications when research on specific securities is published, and certain clients may request that specific data underlying analysts' fundamental analysis available on our internal client websites be delivered to them electronically through data feeds or otherwise. No change to an analyst's fundamental research views (e.g., ratings, price targets, or material changes to earnings estimates for equity securities), will be communicated to any client prior to inclusion of such information in a research report broadly disseminated through electronic publication to our internal client websites or through other means, as necessary, to all clients who are entitled to receive such reports.

All research reports are disseminated and available to all clients simultaneously through electronic publication to our internal client websites. Not all research content is redistributed to our clients or available to third-party aggregators, nor is Goldman Sachs responsible for the redistribution of our research by third party aggregators. For research, models or other data related to one or more securities, markets or asset classes (including related services) that may be available to you, please contact your GS representative or go to https://research.gs.com.

Disclosure information is also available at https://www.gs.com/research/hedge.html or from Research Compliance, 200 West Street, New York, NY 10282.

© 2023 Goldman Sachs.

No part of this material may be (i) copied, photocopied or duplicated in any form by any means or (ii) redistributed without the prior written consent of The Goldman Sachs Group, Inc.