

## Situation Room

# No escape from flatland

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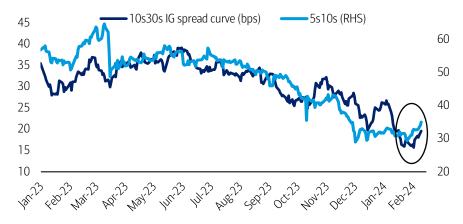
Both 5s10s and 10s30s IG spread curves bounced off the recent flats so far in February. That was due to both investors rotating out of the back end in the secondary market and more 30yr supply in the primary market. Taking a step back, however, shows that IG spread curves (especially 10s30s) remain near historically flat levels (Exhibit 5). In the near term the curves should remain flat unless long-term interest rates decline materially, which would both bring out more 30yr supply and curb investor demand for longer duration bonds. That is unlikely in the current environment of resurgent US economic growth (see US Economic Weekly: Is the US economy re-accelerating? report). Hence despite the recent bounce we look for IG spread curves to stay near historically flat levels.

### Recent drivers IG spread curves: rel-val

First, in terms of secondary markets, we estimate based on TRACE that IG investors net bought from \$4.7bn of 1-10yr bonds from dealers since January 31st. At the same time they net sold \$1.0bn of 10+yr bonds to dealers. That was likely in response to record rich spread valuations in the back end of the curve (see <u>Situation Room: New frontier in flatness</u> report). With valuations improving (curves steepening) the relatively value should look less dislocated.

#### Exhibit 1: IG spread curves steepened so far in February

Both 5s10s and 10s30s IG spread curves steepened about 3bps so far in February. Note: the spread curves are adjusted for \$ prices.



Source: BofA Global Research, ICE Data Indices, LLC

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Credit Strategy United States Cross Product

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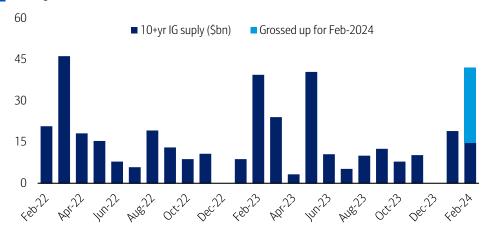
Refer to important disclosures on page 7 to 9.

### Recent drivers IG spread curves: supply

Supply has been another driver of steeper IG spread curves. Supply longer than 10yr has totaled \$14.7bn through February 9. Simply grossing that up based on the remaining business days in the month results in the full-month issuance amount of \$42bn, which will be in the upper end of the range over the prior two years (Exhibit 2). We can easily get there given the expectations for a number of larger M&A-related bond deals supply in February that will have issue across the entire maturity curve.

#### Exhibit 2: Back-end supply in February is tracking about \$42bn for the full month

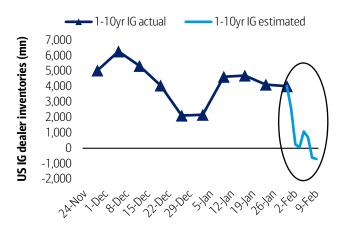
Extrapolating the pace of back-end supply for the remainder of the month suggests a pace at the high end of the range since 2022.



Source: BofA Global Research

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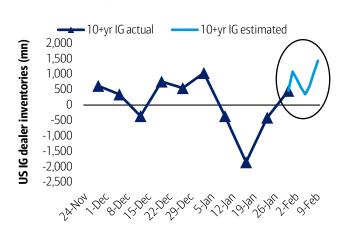
**Exhibit 3: Dealers were net sellers of IG 1-10yr bonds in February** Based on TRACE we estimate IG investors net bought \$4.7bn of 1-10yr bonds to dealers so far in February.



Source: BofA Global Research, NY Fed, TRACE, Bloomberg.

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**Exhibit 4: Dealers were net buyers of IG 10+yr bonds in February**Based on TRACE we estimate IG investors net sold \$1.0bn of 10+yr bonds to dealers so far in February.



Source: BofA Global Research, NY Fed, TRACE, Bloomberg.

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#### Exhibit 5: IG 10s30s spread curve is still historically flat

On a \$ price adjusted basis the 10s30s IG spread curve is currently 20bps, about 4bps off the tights in January, but still near the flattest levels since 2010.



Source: BofA Global Research, ICE Data Indices, LLC

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# Daily credit snapshot

US IG issuance totaled \$11.3bn across 7 deals today, \$11.3bn WTD and \$59.3bn MTD. The average new issue concession was 3.9bps today, while the average break performance was 1.4bps tighter today. This week's new issues are trading 1bps wider on average from pricing.

S&P 500 closed -0.09%, 10-year Treasury yields +0bps, CDX IG -0.5bps, CDX HY +\$0.09pts, and cash bond spreads quoted +1-3bp today, LQD closed 1.04bps wider today.

#### Exhibit 6: Recent new issue pricing and new issue concessions

List of new issues in the IG corporate bond market today along with performance metrics.

|        |  |   |  |  |   |   | New<br>Issue  |  | Current  |
|--------|--|---|--|--|---|---|---|--|--|
|        |  |   | Size   | Moody's/S&P  | Coupon  | Px Spread   | Conc.   | * Break  | spread   |
| Ticker | Name   | Tenor   | (\$mm)   | Rating   | (%)   | (bps)   | (bps)   | performance  | (bps)  |
| AJG    | Arthur J Gallagher & Co                            | 176   | 500  | Baa2/BBB   | 5.45  | 132   | 6   | -2   | 130  |
| AJG    | Arthur J Gallagher & Co                            | 176   | 500  | Baa2/BBB   | 5.75  | 147   | 8   | -1   | 146  |
| AXP    | American Express Co                                | 176NC3  | 300  | A2/BBB+  | FRN   | SOFR+100  | n.a.  | n.a.   | n.a.   |
| AXP    | American Express Co                                | 176NC3  | 1,700  | A2/BBB+  | 5.098   | 85  | 2   | n.a.   | n.a.   |
| BCECN  | Bell Telephone Co of Canada or Bell Canada         | 176   | 700  | Baa1/BBB+  | 5.2   | 105   | 10  | 5  | 110  |
| BCECN  | Bell Telephone Co of Canada or Bell Canada         | 176   | 750  | Baa1/BBB+  | 5.55  | 120   | 2   | 7  | 127  |
| BNP    | BNP Paribas SA                                     | 176NC5  | 1,750  | Baa1/A-  | 5.497   | 138   | -13   | -1   | 137  |
| BNP    | BNP Paribas SA                                     | 176NC10   | 1,500  | Baa1/A-  | 5.738   | 158   | n.a.  | -1   | 157  |
| DTE    | DTE Energy Co                                      | 176   | 1,200  | Baa2/BBB   | 5.1   | 103   | 7   | n.a.   | n.a.   |
| EL     | Estee Lauder Cos Inc/The                           | 176   | 650  | A1/A   | 5   | 87  | 13  | 3  | 90   |
| PEP    | Pepsico Singapore Financing I Pte Ltd              | 176   | 300  | A1/A+  | FRN   | SOFR+56   | n.a.  | n.a.   | n.a.   |
| PEP    | Pepsico Singapore Financing I Pte Ltd              | 176   | 450  | A1/A+  | 4.55  | 45  | 4   | n.a.   | n.a.   |
| PEP    | Pepsico Singapore Financing I Pte Ltd              | 176   | 450  | A1/A+  | 4.7   | 55  | -1  | n.a.   | n.a.   |
| PEP    | Pepsico Singapore Financing I Pte Ltd              | 176   | 550  | A1/A+  | 4.65  | 40  | 5   | n.a.   | n.a.   |
|        | AJG AJG AXP AXP BCECN BCECN BNP BNP DTE EL PEP PEP | AJG AJG AIG AIG AIG AIG AIG AIG AXP AMERICAN AMERICAN BECEN BEIL Telephone Co of Canada or Bell Canada BCECN BEIL Telephone Co of Canada or Bell Canada BNP BNP Paribas SA BNP BNP Paribas SA DTE DTE Energy Co EL EStee Lauder Cos Inc/The PEP Pepsico Singapore Financing I Pte Ltd PEP Pepsico Singapore Financing I Pte Ltd PEP Pepsico Singapore Financing I Pte Ltd | AJG Arthur J Gallagher & Co 176 AJG Arthur J Gallagher & Co 176 AXP American Express Co 176NC3 AXP American Express Co 176NC3 BCECN Bell Telephone Co of Canada or Bell Canada 176 BCECN Bell Telephone Co of Canada or Bell Canada 176 BNP BNP Paribas SA 176NC5 BNP BNP Paribas SA 176NC10 DTE DTE Energy Co 176 EL Estee Lauder Cos Inc/The 176 PEP Pepsico Singapore Financing I Pte Ltd 176 | Ticker         Name         Tenor         (\$mm)           AJG         Arthur J Gallagher & Co         176         500           AJG         Arthur J Gallagher & Co         176         500           AXP         American Express Co         176NC3         300           AXP         American Express Co         176NC3         1,700           BCECN         Bell Telephone Co of Canada or Bell Canada         176         700           BNP         BNP Paribas SA         176NC5         1,750           BNP         BNP Paribas SA         176NC10         1,500           DTE         DTE Energy Co         176         1,200           EL         Estee Lauder Cos Inc/The         176         650           PEP         Pepsico Singapore Financing I Pte Ltd         176         300           PEP         Pepsico Singapore Financing I Pte Ltd         176         450           PEP         Pepsico Singapore Financing I Pte Ltd         176         450 | Ticker         Name         Tenor         (\$mm)         Rating           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB          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Arthur J Gallagher & Co         176         500         Baa2/BBB         5.75           AXP         American Express Co         176NC3         300         A2/BBB+         FRN           AXP         American Express Co         176NC3         1,700         A2/BBB+         5.098           BCECN         Bell Telephone Co of Canada or Bell Canada         176         700         Baa1/BBB+         5.2           BNP         BNP Paribas SA         176NC5         1,750         Baa1/A-         5.497           BNP         BNP Paribas SA         176NC10         1,500         Baa1/A-         5.738           DTE         DTE Energy Co         176         1,200         Baa2/BBB         5.1           EL         Estee Lauder Cos Inc/The         176         650         A1/A         5           PEP         Pepsico Singapore Financing I Pte Ltd         176         450         A1/A+         4.55           PEP         Pepsico Singapore Financing I Pte Ltd         176         450         A1/A+         4.55 | Ticker         Name         Tenor         (\$mm)         Rating         (%)         (bps)           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB         5.45         132           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB         5.75         147           AXP         American Express Co         176NC3         300         A2/BBB+         FRN         SOFR+100           AXP         American Express Co         176NC3         1,700         A2/BBB+         5.098         85           BCECN         Bell Telephone Co of Canada or Bell Canada         176         700         Baa1/BBB+         5.2         105           BCECN         Bell Telephone Co of Canada or Bell Canada         176         750         Baa1/BBB+         5.55         120           BNP         BNP Paribas SA         176NC5         1,750         Baa1/A-         5.497         138           BNP         BNP Paribas SA         176NC10         1,500         Baa1/A-         5.738         158           DTE         DTE Energy Co         176         1,200         Baa2/BBB         5.1         103           EL         Estee Lauder Cos Inc/The         176         650< | Ticker         Name         Tenor         (\$mm)         Rating         Coupon         Px Spread         Connot (bps)           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB         5.45         132         6           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB         5.75         147         8           AXP         American Express Co         176NC3         300         A2/BBB+         FRN         50FR+100         n.a.           AXP         American Express Co         176NC3         1,700         A2/BBB+         5.098         85         2           BCECN         Bell Telephone Co of Canada or Bell Canada         176         700         Baa1/BBB+         5.2         105         10           BCECN         Bell Telephone Co of Canada or Bell Canada         176NC3         1,750         Baa1/BBB+         5.55         120         2           BNP         BNP Paribas SA         176NC3         1,750         Baa1/A-         5.497         138         -13           BNP         BNP Paribas SA         176NC1         1,200         Baa2/BBB         5.1         103         7           EL         Estee Lauder Cos Inc/The         176 | Ticker         Name         Tenor         Size         Moody's/S&P         Coupon (%)         Px Spread (bps)         Conc. (bps)         *Break (bps)           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB         5.45         132         6         -2           AJG         Arthur J Gallagher & Co         176         500         Baa2/BBB         5.75         147         8         -1           AXP         American Express Co         176NC3         300         A2/BBB+         5.098         85         2         n.a.           BXP         American Express Co         176NC3         700         Baa1/BBB+         5.098         85         2         n.a.           BXECEN         Bell Telephone Co of Canada or Bell Canada         176         700         Baa1/BBB+         5.2         105         10         5           BXP         BNP Paribas SA         176NC1         7,50         Baa1/BB+         5.55         120         2         7           BNP         BNP Paribas SA         176NC1         1,500         Baa1/B-         5.497         138         -13         -1           BY         BNP Paribas SA         176NC1         1,500         Baa2/BB         5.1 |

Note: We calculate new issue concessions by estimating the difference between new issue bond spread and interpolated G spread from comparable liquid secondary bonds of the same issuer prior to the new issue deal announcement, adjusted for the spread impact of dollar prices deviating from par. Break performance is computed as the difference between new issue pricing and secondary closing spread on the first day of trading.

Source: BofA Global Research, Bloomberg

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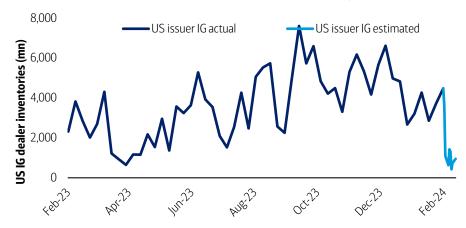


# Daily dealer inventories update

Below we estimate dealer inventories for the IG corporate bonds based on TRACE data. The actual inventories of US issuer bonds based on NY Fed survey, as well as the estimated change since the latest Fed report are plotted in Exhibit 7. We estimate the corresponding DV01 equivalent in Exhibit 8. More details by sector and maturity are available in Exhibit 9 and Exhibit 10. Finally, note that the data for the current date is through about 4:40 p.m. Eastern Standard Time.

#### Exhibit 7: Estimated dealer inventories of IG corporate bonds.

We estimate IG dealer inventories of US issuer bonds declined to 0.9 bn currently from 4.5 bn on Jan-31.



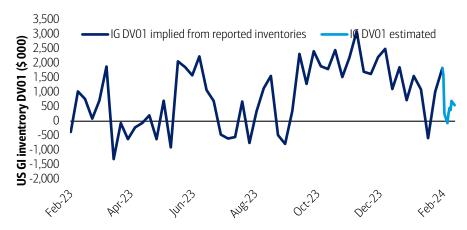
Note: data for US issuer bonds only, maturities 13M or longer. Actual dealer inventory data is from Primary Dealer Statistics survey by the NY Fed. The subsequent change in inventory is estimated based on TRACE.

Source: BofA Global Research, FINRA, TRACE, Federal Reserve

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#### Exhibit 8: Estimated dealer inventory DV01 for IG corporate bonds.

We estimate IG dealer inventory DV01 of US issuer bonds declined to 0.5mn currently from 1.8bn on Jan-31.



Note: data for US issuer bonds only, maturities 13M or longer. Actual dealer inventory data is from Primary Dealer Statistics survey by the NY Fed. The subsequent change in inventory is estimated based on TRACE.

Source: BofA Global Research, FINRA, TRACE, Federal Reserve

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#### Exhibit 9: Estimated changes in IG dealer inventories by maturity and broad sector.

We estimate IG dealer inventories increased \$134mn today and increased \$126mn over the prior week.

|                   |        | Net de | aler bu | y (\$mn) |        | Net d  | ealer DV | 01 chan | ge (\$thous | and)  | Tradii | ng volumes | on 12-Feb- | 24 (\$mn) |
|-------------------|--------|--------|---------|----------|--------|--------|----------|---------|-------------|-------|--------|------------|------------|-----------|
| Sector            | 12-Feb | 9-Feb  | 1 W     | 2 W      | 4 W    | 12-Feb | 9-Feb    | 1 W     | 2 W         | 4 W   | Buy    | Sell       | Dealer     | Total     |
| High grade (13M+) | 134    | 295    | 126     | -5.126   | -3,750 | -223   | 354      | 789     | -1.339      | 1.052 | 8.879  | 8.744      | 7.051      | 24.673    |



#### Exhibit 9: Estimated changes in IG dealer inventories by maturity and broad sector.

We estimate IG dealer inventories increased \$134mn today and increased \$126mn over the prior week.

|            |      | Net de | aler bu | y (\$mn) |        | Net d | ealer DV | 01 chang | ge (\$thous | and)   | Trading volumes on 12-Feb-24 (\$mn) |       |       |        |  |
|------------|------|--------|---------|----------|--------|-------|----------|----------|-------------|--------|-------------------------------------|-------|-------|--------|--|
| <3yr       | 254  | 57     | -623    | -1,975   | -2,243 | 42    | 3        | -135     | -437        | -494   | 1,649                               | 1,395 | 1,422 | 4,466  |  |
| 3-5yr      | 101  | 61     | 424     | -408     | -1,781 | 45    | 1        | 120      | -143        | -626   | 1,483                               | 1,382 | 1,400 | 4,265  |  |
| 5-11yr     | -65  | -288   | -721    | -4,593   | -4,181 | -26   | -189     | -439     | -2,889      | -2,780 | 3,110                               | 3,175 | 2,300 | 8,586  |  |
| 11+yr      | -156 | 465    | 1,046   | 1,849    | 4,454  | -284  | 539      | 1,243    | 2,130       | 4,951  | 2,636                               | 2,792 | 1,928 | 7,356  |  |
| Fin        | -38  | -365   | -782    | -4,291   | -5,962 | 39    | -252     | -260     | -1,827      | -1,504 | 3,184                               | 3,221 | 2,546 | 8,951  |  |
| Non-Fin    | 172  | 659    | 908     | -835     | 2,212  | -263  | 606      | 1,049    | 489         | 2,556  | 5,695                               | 5,523 | 4,505 | 15,723 |  |
| Fixed      | 151  | 307    | 266     | -4,808   | -3,202 | -215  | 353      | 824      | -1,279      | 1,084  | 8,812                               | 8,660 | 6,970 | 24,442 |  |
| Floating   | -17  | -12    | -140    | -318     | -549   | -9    | 1        | -35      | -59         | -33    | 67                                  | 84    | 81    | 232    |  |
| US issuers | 209  | 316    | 320     | -3,605   | -1,813 | -145  | 314      | 619      | -1,048      | 1,070  | 7,288                               | 7,080 | 5,913 | 20,281 |  |
| DM Yankees | -121 | -116   | -490    | -1,970   | -2,618 | -91   | -33      | -17      | -565        | -451   | 1,348                               | 1,469 | 1,038 | 3,855  |  |
| EM Yankees | 46   | 94     | 295     | 449      | 681    | 13    | 73       | 187      | 274         | 432    | 242                                 | 195   | 100   | 537    |  |

Note: data for maturities 13M or longer. Changes in inventories are estimated based on TRACE.

Source: BofA Global Research, FINRA, TRACE.

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#### Exhibit 10: Estimated changes in IG dealer inventories by sector.

We estimate today IG dealer inventories declined -\$194mn for Banks/Brokers and declined -\$65mn for Energy.

|                       |        | Net dea | ler buy | / (\$mn) |        | Net de | ealer DV0 | 1 chang | e (\$thou | sand)  | Trading volumes on 12-Feb-24 (\$mn) |       |        |       |  |
|-----------------------|--------|---------|---------|----------|--------|--------|-----------|---------|-----------|--------|-------------------------------------|-------|--------|-------|--|
| Sector                | 12-Feb | 9-Feb   | 1 W     | 2 W      | 4 W    | 12-Feb | 9-Feb     | 1 W     | 2 W       | 4 W    | Buy                                 | Sell  | Dealer | Total |  |
| Aerospace/Defense     | -36    | 17      | 99      | -21      | 391    | -29    | -3        | 130     | 12        | 340    | 117                                 | 153   | 147    | 417   |  |
| Automobiles           | 38     | -27     | -139    | -500     | -468   | 3      | -10       | -110    | -337      | -254   | 295                                 | 257   | 252    | 804   |  |
| Banks/Brokers         | -194   | -191    | -257    | -3,381   | -5,639 | -108   | -169      | -136    | -1,631    | -1,617 | 2,068                               | 2,262 | 1,700  | 6,031 |  |
| Basic Materials       | 48     | -4      | 156     | -140     | 761    | 5      | 21        | 30      | -151      | 546    | 403                                 | 355   | 260    | 1,018 |  |
| Commercial Services   | 8      | -17     | -79     | -72      | -69    | 30     | -11       | -27     | 36        | 49     | 123                                 | 116   | 55     | 294   |  |
| Energy                | -65    | 16      | -322    | -511     | -906   | -71    | 34        | -152    | -174      | -445   | 634                                 | 699   | 337    | 1,670 |  |
| Finance               | 8      | -133    | -277    | -594     | -398   | 5      | -66       | -163    | -359      | -172   | 562                                 | 554   | 430    | 1,545 |  |
| Food, Bev, & Bottling | -6     | -6      | -110    | -493     | -558   | -42    | 8         | -88     | -397      | -377   | 230                                 | 236   | 211    | 677   |  |
| Health Care           | 27     | 191     | 660     | 181      | 1,174  | -152   | 204       | 613     | 543       | 1,055  | 1,210                               | 1,183 | 1,030  | 3,423 |  |
| Industrial Products   | 15     | -60     | -63     | -435     | -213   | -13    | -48       | -64     | -266      | -28    | 205                                 | 190   | 168    | 563   |  |
| Insurance             | 129    | 3       | -208    | -143     | -226   | 145    | 11        | 18      | 156       | 125    | 327                                 | 198   | 161    | 686   |  |
| Media & Entertainment | -30    | 93      | 196     | 28       | 481    | -86    | 58        | 127     | 20        | 458    | 405                                 | 435   | 335    | 1,176 |  |
| REITs                 | 19     | -43     | -41     | -173     | 301    | -2     | -29       | 22      | 7         | 160    | 226                                 | 207   | 255    | 689   |  |
| Retail                | 27     | 38      | 25      | 310      | 620    | 31     | 61        | 99      | 352       | 612    | 248                                 | 220   | 324    | 793   |  |
| Technology            | -33    | 2       | -130    | 150      | 695    | 0      | -25       | 51      | 382       | 681    | 519                                 | 553   | 490    | 1,563 |  |
| Telecom               | 3      | 144     | 219     | -82      | -415   | -16    | 115       | 217     | -2        | -283   | 394                                 | 390   | 204    | 987   |  |
| Tobacco               | 63     | 96      | 232     | 151      | 35     | 44     | 42        | 100     | 35        | 25     | 119                                 | 56    | 94     | 268   |  |
| Transportation        | 24     | 21      | 53      | 187      | 300    | 20     | 8         | 62      | 184       | 231    | 146                                 | 122   | 118    | 386   |  |
| Utilities             | 34     | 78      | 90      | 355      | 111    | -8     | 115       | 36      | 221       | -215   | 480                                 | 446   | 381    | 1,307 |  |
| Other                 | 55     | 79      | 20      | 58       | 273    | 22     | 35        | 23      | 30        | 160    | 167                                 | 112   | 97     | 376   |  |

Note: data for maturities 13M or longer. Changes in inventories are estimated based on TRACE.

Source: BofA Global Research, FINRA, TRACE.

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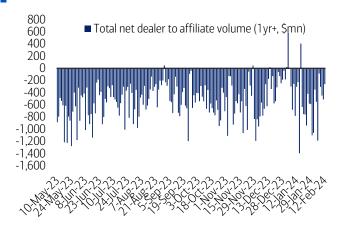
# Daily foreign demand tracker

We believe net dealer-to-affiliate volumes from Trace are correlated with foreign buying of US HG corporate bonds - i.e., negative numbers mean foreign investor buying (US dealers taking down inventory in favor of foreign affiliates). For supporting material see our "primer" on tracking foreign inflows. Exhibit 11 shows the overall daily dealer-to-affiliate volumes while Exhibit 12, Exhibit 13 and Exhibit 14 show subsets of this data. In particular Exhibit 12 shows net dealer-to-affiliate volumes for longer maturity (12+ years) bonds, Exhibit 13 displays volumes reported to Trace before 8am NY time (biased toward Asian buying) and Exhibit 14 shows the subset of net trades reported between 8am and noon (biased toward European buying).



#### Exhibit 11: Net dealer buying from affiliate (1yr+)

Exhibit shows inconsistent overall foreign buying of US IG corporate bonds for some time.



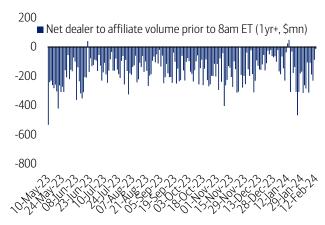
Note: Net dealer-to-affiliate volumes are correlated with foreign buying/selling. Negative numbers indicate foreign buying.

Source: Bloomberg, TRACE

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#### Exhibit 13: Net dealer-to-affiliate trading volumes before 8am ET

Foreign buying before 8am NY time is dominated by Asia and has been consistent this year



Note: Morning share of daily trading volume is correlated with secondary market activity of foreign investors due to different time zones.

Source: BofA Global Research, TRACE

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#### Common abbreviations:

IG: Investment Grade

HG: High Grade

LQD: iShares iBoxx \$ Investment Grade Corporate Bond ETF

DV01: Dollar value of a basis point

CDX IG: The Markit CDX North America Investment Grade Index

CDX HY: Markit CDX North America High Yield Index

ECB: European Central Bank

QE: Quantitative Easing

CSPP: corporate sector purchase programme

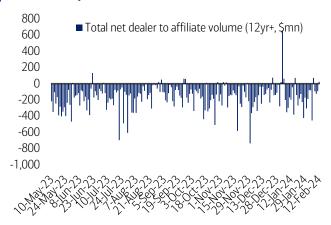
Unched: Unchanged

CPI: Consumer Price Index

FOMC: The Federal Open Market Committee

#### Exhibit 12: Net dealer buying from affiliate (12yr+)

Foreign buying of longer maturity US IG corporate bonds has been consistent this year



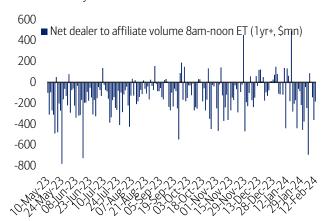
Note: Net dealer-to-affiliate volumes are correlated with foreign buying/selling. Negative numbers indicate foreign buying.

Source: Bloomberg, TRACE

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## Exhibit 14: Net dealer-to-affiliate trading volumes 8am - noon ET

Foreign buying 8am-noon NY time is dominated by Europe and has been inconsistent this year



Note: Morning share of daily trading volume is correlated with secondary market activity of foreign investors due to different time zones.

Source: BofA Global Research, TRACE

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