

| Private Placement Monitor          |           |              |              |
|------------------------------------|-----------|--------------|--------------|
| US Private Placements League Table |           |              |              |
| All Deals                          | 2018 \$mm | Issuer Count | Market Share |
| BAML                               | 12549.92  | 60           | 13.77%       |
| JPM                                | 9758.36   | 51           | 10.71%       |
| MUFG                               | 6850.47   | 33           | 7.52%        |
| BARCLAYS                           | 6614.82   | 39           | 7.26%        |
| CITI                               | 6030.12   | 31           | 6.62%        |
| NWM                                | 4439.16   | 30           | 4.87%        |
| GS                                 | 3097.73   | 12           | 3.40%        |
| WFS                                | 2977.50   | 16           | 3.27%        |
| SANTANDER                          | 2632.54   | 16           | 2.89%        |
| MESIROW                            | 2593.45   | 35           | 2.85%        |
| LLOYDS                             | 2547.54   | 23           | 2.79%        |
| MS                                 | 2520.93   | 19           | 2.77%        |
| USBANK                             | 2394.92   | 24           | 2.63%        |
| RBC                                | 2064.28   | 11           | 2.26%        |
| HSBC                               | 2049.36   | 14           | 2.25%        |
| SMBC                               | 1895.84   | 15           | 2.08%        |
| NAB                                | 1877.62   | 11           | 2.06%        |
| CBA                                | 1730.92   | 8            | 1.90%        |
| SG                                 | 1507.85   | 7            | 1.65%        |
| SUNTRUST                           | 1424.00   | 8            | 1.56%        |
| CIBC                               | 1421.47   | 17           | 1.56%        |
| TD                                 | 1116.80   | 9            | 1.23%        |
| MIZUHO                             | 1109.67   | 15           | 1.22%        |
| SANDLER                            | 1004.80   | 31           | 1.10%        |
| KEYBANC                            | 944.70    | 13           | 1.04%        |
| CGA CAPITAL                        | 937.19    | 10           | 1.03%        |
| CA                                 | 921.16    | 5            | 1.01%        |
| BNPP                               | 800.33    | 6            | 0.88%        |
| SCOTIA                             | 665.03    | 8            | 0.73%        |
| CTL CAPITAL                        | 616.75    | 4            | 0.68%        |
| CS                                 | 475.00    | 4            | 0.52%        |
| UBS                                | 466.67    | 1            | 0.51%        |
| DNB                                | 395.15    | 4            | 0.43%        |
| BOSTONIA                           | 381.50    | 9            | 0.42%        |
| PNC                                | 375.00    | 4            | 0.41%        |
| IDCM                               | 324.70    | 4            | 0.36%        |
| DB                                 | 230.00    | 2            | 0.25%        |
| RABOBANK                           | 195.00    | 2            | 0.21%        |
| PARETO                             | 175.00    | 3            | 0.19%        |
| GUGGENHEIM                         | 165.00    | 1            | 0.18%        |
| ABN AMRO                           | 124.00    | 1            | 0.14%        |
| NATIXIS                            | 100.00    | 1            | 0.11%        |
| REGIONS                            | 90.00     | 1            | 0.10%        |
| ROYAL FIDELITY                     | 67.38     | 1            | 0.07%        |
| STEPHENS                           | 66.00     | 1            | 0.07%        |
| ARCTIC SECURITIES                  | 65.00     | 1            | 0.07%        |
| KEEFE                              | 65.00     | 2            | 0.07%        |
| JEFFERIES                          | 60.00     | 1            | 0.07%        |
| ANZ                                | 59.50     | 1            | 0.07%        |
| PIPER JAFFRAY                      | 50.00     | 1            | 0.05%        |
| BLAYLOCK                           | 44.25     | 1            | 0.05%        |
| DELOITTE                           | 30.00     | 1            | 0.03%        |
| HOULIHAN LOKEY                     | 27.00     | 1            | 0.03%        |
| HOVDE                              | 20.00     | 1            | 0.02%        |
| FIG                                | 5.70      | 1            | 0.01%        |

Source: Private Placement Monitor

| Private Placement Monitor          |           |              |              |
|------------------------------------|-----------|--------------|--------------|
| US Private Placements League Table |           |              |              |
| Domestic Deals                     | 2018 \$mm | Issuer Count | Market Share |
| BAML                               | 9667.10   | 43           | 20.05%       |
| JPM                                | 6743.78   | 36           | 13.98%       |
| MUFG                               | 3373.33   | 16           | 6.99%        |
| GS                                 | 3097.73   | 12           | 6.42%        |
| BARCLAYS                           | 3040.71   | 12           | 6.31%        |
| MESIROW                            | 2593.45   | 35           | 5.38%        |
| WFS                                | 2543.00   | 12           | 5.27%        |
| USBANK                             | 2394.92   | 24           | 4.97%        |
| MS                                 | 2075.73   | 15           | 4.30%        |
| CITI                               | 1692.30   | 9            | 3.51%        |
| SUNTRUST                           | 1334.50   | 7            | 2.77%        |
| MIZUHO                             | 1018.00   | 14           | 2.11%        |
| SANDLER                            | 1004.80   | 31           | 2.08%        |
| KEYBANC                            | 944.70    | 13           | 1.96%        |
| CGA CAPITAL                        | 937.19    | 10           | 1.94%        |
| CTL CAPITAL                        | 616.75    | 4            | 1.28%        |
| RBC                                | 572.33    | 3            | 1.19%        |
| TD                                 | 450.60    | 7            | 0.93%        |
| CA                                 | 450.00    | 1            | 0.93%        |
| BOSTONIA                           | 381.50    | 9            | 0.79%        |
| HSBC                               | 375.00    | 2            | 0.78%        |
| PNC                                | 375.00    | 4            | 0.78%        |
| SANTANDER                          | 360.00    | 1            | 0.75%        |
| SCOTIA                             | 333.13    | 4            | 0.69%        |
| SMBC                               | 325.88    | 4            | 0.68%        |
| CIBC                               | 280.00    | 6            | 0.58%        |
| DB                                 | 230.00    | 2            | 0.48%        |
| GUGGENHEIM                         | 165.00    | 1            | 0.34%        |
| CS                                 | 162.50    | 2            | 0.34%        |
| DNB                                | 100.00    | 1            | 0.21%        |
| PARETO                             | 95.00     | 2            | 0.20%        |
| REGIONS                            | 90.00     | 1            | 0.19%        |
| STEPHENS                           | 66.00     | 1            | 0.14%        |
| ARCTIC SECURITIES                  | 65.00     | 1            | 0.13%        |
| KEEFE                              | 65.00     | 2            | 0.13%        |
| JEFFERIES                          | 60.00     | 1            | 0.12%        |
| PIPER JAFFRAY                      | 50.00     | 1            | 0.10%        |
| BLAYLOCK                           | 44.25     | 1            | 0.09%        |
| HOULIHAN LOKEY                     | 27.00     | 1            | 0.06%        |
| HOVDE                              | 20.00     | 1            | 0.04%        |
| FIG                                | 5.70      | 1            | 0.01%        |

Source: Private Placement Monitor

| Private Placement Monitor          |           |              |              |
|------------------------------------|-----------|--------------|--------------|
| US Private Placements League Table |           |              |              |
| Cross-Border Deals                 | 2018 \$mm | Issuer Count | Market Share |
| NWM                                | 4439.16   | 30           | 10.34%       |
| CITI                               | 4337.83   | 22           | 10.11%       |
| BARCLAYS                           | 3574.11   | 27           | 8.33%        |
| MUFG                               | 3477.13   | 17           | 8.10%        |
| JPM                                | 3014.58   | 15           | 7.02%        |
| BAML                               | 2882.82   | 17           | 6.72%        |
| LLOYDS                             | 2547.54   | 23           | 5.93%        |
| SANTANDER                          | 2272.54   | 15           | 5.29%        |
| NAB                                | 1877.62   | 11           | 4.37%        |
| CBA                                | 1730.92   | 8            | 4.03%        |
| HSBC                               | 1674.36   | 12           | 3.90%        |
| SMBC                               | 1569.97   | 11           | 3.66%        |
| SG                                 | 1507.85   | 7            | 3.51%        |
| RBC                                | 1491.95   | 8            | 3.48%        |
| CIBC                               | 1141.47   | 11           | 2.66%        |
| BNPP                               | 800.33    | 6            | 1.86%        |
| TD                                 | 666.20    | 2            | 1.55%        |
| CA                                 | 471.16    | 4            | 1.10%        |
| UBS                                | 466.67    | 1            | 1.09%        |
| MS                                 | 445.20    | 4            | 1.04%        |
| WFS                                | 434.50    | 4            | 1.01%        |
| SCOTIA                             | 331.90    | 4            | 0.77%        |
| IDCM                               | 324.70    | 4            | 0.76%        |
| CS                                 | 312.50    | 2            | 0.73%        |
| DNB                                | 295.15    | 3            | 0.69%        |
| RABOBANK                           | 195.00    | 2            | 0.45%        |
| ABN AMRO                           | 124.00    | 1            | 0.29%        |
| NATIXIS                            | 100.00    | 1            | 0.23%        |
| MIZUHO                             | 91.67     | 1            | 0.21%        |
| SUNTRUST                           | 89.50     | 1            | 0.21%        |
| PARETO                             | 80.00     | 1            | 0.19%        |
| ROYAL FIDELITY                     | 67.38     | 1            | 0.16%        |
| ANZ                                | 59.50     | 1            | 0.14%        |
| DELOITTE                           | 30.00     | 1            | 0.07%        |

Source: Private Placement Monitor

Full credit is given to the lead agent; equal credit to co-lead agents; no credit to co-agents. Deal circle date used. All agents do not provide details and their share could rely on Private Placement Monitor market intelligence. Direct deals are not included in this League Table, but are included in other PPM volume studies.