ZKBRA
FINANCIAL
INTELLIGENCE
Cost of Total Funding Since Q1 2022 For Large Banks*

| Bank | Total Assets | Cost of Total Funding |  |  |  |  |  |  | $\begin{aligned} & \Delta \text { Q3' }^{\prime} 23-\text { Q1'22 } \\ & \text { Cost of Funding } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Q3 2023 | Q2 2023 | Q1 2023 | Q4 2022 | Q3 2022 | Q2 2022 | Q1 2022 |  |
| GOLDMAN SACHS BANK USA | \$538,127,000,000 | 5.6\% | 5.2\% | 4.5\% | 3.9\% | 2.3\% | 1.1\% | 0.5\% | 510.2 bps |
| BANK OF NEW YORK MELLON, THE | \$328,468,000,000 | 5.0\% | 4.3\% | 2.9\% | 2.0\% | 0.9\% | 0.2\% | 0.0\% | 502.6 bps |
| NORTHERN TRUST COMPANY, THE | \$145,817,444,000 | 4.4\% | 3.5\% | 2.6\% | 1.8\% | 0.8\% | 0.2\% | 0.0\% | 439.3 bps |
| AMERICAN EXPRESS NATIONAL BANK | \$174,797,696,000 | 4.2\% | 4.0\% | 3.6\% | 3.0\% | 1.9\% | 0.9\% | 0.7\% | 354.9 bps |
| SYNCHRONY BANK | \$105,275,000,000 | 4.3\% | 4.0\% | 3.5\% | 2.7\% | 1.8\% | 1.1\% | 0.9\% | 343.7 bps |
| ALLY BANK | \$185,721,000,000 | 4.0\% | 3.7\% | 3.2\% | 2.5\% | 1.7\% | 0.9\% | 0.7\% | 327.3 bps |
| UBS BANK USA | \$114,351,610,000 | 3.3\% | 3.0\% | 2.5\% | 2.0\% | 0.8\% | 0.2\% | 0.1\% | 321.8 bps |
| DISCOVER BANK | \$141,234,965,000 | 4.1\% | 3.8\% | 3.4\% | 2.9\% | 2.0\% | 1.2\% | 1.0\% | 318.8 bps |
| CITIBANK, N.A. | \$1,657,372,000,000 | 3.4\% | 3.1\% | 2.7\% | 2.1\% | 1.2\% | 0.5\% | 0.3\% | 308.2 bps |
| CAPITAL ONE, NATIONAL ASSOCIATION | \$468,779,830,000 | 3.3\% | 3.0\% | 2.6\% | 2.3\% | 1.0\% | 0.5\% | 0.3\% | 301.2 bps |
| HSBC BANK USA, NATIONAL ASSOCIATION | \$161,303,825,000 | 3.2\% | 2.9\% | 2.4\% | 1.9\% | 1.1\% | 0.5\% | 0.2\% | 297.2 bps |
| State street bank and trust company | \$280,469,000,000 | 2.8\% | 2.4\% | 2.0\% | 1.4\% | 0.6\% | 0.1\% | 0.0\% | 280.7 bps |
| VALLEY NATIONAL BANK | \$61,185,861,000 | 2.9\% | 2.7\% | 2.2\% | 1.4\% | 0.6\% | 0.3\% | 0.2\% | 275.9 bps |
| CIBC BANK USA | \$52,342,602,000 | 2.9\% | 2.3\% | 2.2\% | 1.6\% | 0.9\% | 0.3\% | 0.1\% | 273.4 bps |
| MORGAN STANLEY BANK, N.A. | \$207,376,000,000 | 2.8\% | 2.5\% | 2.0\% | 1.5\% | 0.7\% | 0.2\% | 0.1\% | 268.9 bps |
| MORGAN STANLEY PRIVATE BANK, NATIONAL ASSOCIATION | \$198,523,000,000 | 2.7\% | 2.3\% | 1.8\% | 1.2\% | 0.5\% | 0.1\% | 0.1\% | 263.8 bps |
| WESTERN ALLIANCE BANK | \$70,541,989,000 | 2.8\% | 2.8\% | 2.3\% | 1.6\% | 0.9\% | 0.3\% | 0.2\% | 260.5 bps |
| COMERICA BANK | \$85,808,000,000 | 2.4\% | 2.1\% | 1.2\% | 0.4\% | 0.1\% | 0.0\% | 0.0\% | 235.4 bps |
| SYNOVUS BANK | \$59,211,156,000 | 2.5\% | 2.2\% | 1.7\% | 1.1\% | 0.5\% | 0.2\% | 0.1\% | 234.4 bps |
| KEYBANK NATIONAL ASSOCIATION | \$185,571,273,000 | 2.4\% | 2.2\% | 1.5\% | 1.0\% | 0.5\% | 0.1\% | 0.1\% | 232.2 bps |
| EAST WEST BANK | \$68,154,331,000 | 2.3\% | 2.1\% | 1.5\% | 1.0\% | 0.5\% | 0.2\% | 0.1\% | 225.0 bps |
| SANTANDER BANK, NATIONAL ASSOCIATION | \$98,568,768,000 | 2.3\% | 2.2\% | 1.8\% | 1.1\% | 0.5\% | 0.2\% | 0.1\% | 221.2 bps |
| U.S. BANK NATIONAL ASSOCIATION | \$657,183,636,000 | 2.3\% | 2.0\% | 1.7\% | 1.2\% | 0.6\% | 0.2\% | 0.1\% | 215.1 bps |
| CITIZENS BANK, NATIONAL ASSOCIATION | \$224,955,587,000 | 2.2\% | 1.9\% | 1.5\% | 1.1\% | 0.6\% | 0.2\% | 0.1\% | 209.5 bps |
| FIRST HORIZON BANK | \$82,238,275,000 | 2.2\% | 1.7\% | 1.1\% | 0.6\% | 0.3\% | 0.1\% | 0.1\% | 206.0 bps |
| ZIONS BANCORPORATION, NATIONAL ASSOCIATION | \$87,269,125,000 | 2.1\% | 1.9\% | 1.2\% | 0.6\% | 0.2\% | 0.1\% | 0.1\% | 205.4 bps |
| HUNTINGTON NATIONAL BANK, THE | \$186,356,403,000 | 2.1\% | 2.0\% | 1.4\% | 0.9\% | 0.4\% | 0.1\% | 0.1\% | 205.2 bps |
| FIFTH THIRD BANK, NATIONAL ASSOCIATION | \$212,148,000,000 | 2.1\% | 1.8\% | 1.4\% | 0.9\% | 0.4\% | 0.1\% | 0.1\% | 203.5 bps |
| WEBSTER BANK, NATIONAL ASSOCIATION | \$73,062,644,000 | 2.1\% | 2.1\% | 1.5\% | 0.9\% | 0.4\% | 0.1\% | 0.1\% | 203.3 bps |
| TRUIST BANK | \$535,000,000,000 | 2.1\% | 2.0\% | 1.5\% | 0.9\% | 0.4\% | 0.2\% | 0.1\% | 202.6 bps |
| Average** | \$388,585,631,578 | 2.6\% | 2.3\% | 1.8\% | 1.3\% | 0.7\% | 0.3\% | 0.2\% | 242.0 bps |
| Median** | \$185,571,273,000 | 2.3\% | 2.1\% | 1.5\% | 1.1\% | 0.5\% | 0.2\% | 0.1\% | 215.1 bps |
| Maximum** | \$3,385,581,000,000 | 5.6\% | 5.2\% | 4.5\% | 3.9\% | 2.3\% | 1.2\% | 1.0\% | 510.2 bps |
| Minimum** | \$51,974,259,000 | 0.9\% | 0.8\% | 0.6\% | 0.4\% | 0.1\% | 0.0\% | 0.0\% | 85.3 bps |

* Assets $=$ Above $\$ 50$ billion
** Represents values for the entire peer set (45 banks)

| Bank | Total Assets | Cost of Total Funding |  |  |  |  |  |  | $\Delta \text { Q3'23-Q1'22 }$ <br> Cost of Funding |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Q3 2023 | Q2 2023 | Q1 2023 | Q4 2022 | Q3 2022 | Q2 2022 | Q1 2022 |  |
| TD BANK USA, NATIONAL ASSOCIATION | \$35,606,754,000 | 5.2\% | 5.0\% | 4.4\% | 3.6\% | 2.2\% | 0.7\% | 0.1\% | 505.5 bps |
| MERCHANTS BANK OF INDIANA | \$16,169,863,000 | 5.0\% | 4.7\% | 4.0\% | 3.2\% | 1.9\% | 0.8\% | 0.4\% | 460.9 bps |
| SOFI BANK, NATIONAL ASSOCIATION | \$21,509,458,000 | 4.3\% | 4.0\% | 3.9\% | 3.0\% | 1.8\% | 1.0\% | 0.2\% | 405.6 bps |
| WELLS FARGO NATIONAL BANK WEST | \$15,432,574,000 | 4.1\% | 4.2\% | 4.1\% | 3.7\% | 3.3\% | 0.2\% | 0.1\% | 405.2 bps |
| BNY MELLON, NATIONAL ASSOCIATION | \$30,403,000,000 | 4.1\% | 4.0\% | 3.5\% | 2.6\% | 1.4\% | 0.4\% | 0.2\% | 394.1 bps |
| TRISTATE CAPITAL BANK | \$17,932,443,000 | 4.3\% | 4.0\% | 3.7\% | 3.0\% | 2.0\% | 0.8\% | 0.4\% | 389.0 bps |
| DEUTSCHE BANK TRUST COMPANY AMERICAS | \$38,079,000,000 | 3.8\% | 3.2\% | 2.8\% | 2.0\% | 1.2\% | 0.3\% | 0.0\% | 373.2 bps |
| ISRAEL DISCOUNT BANK OF NEW YORK | \$12,442,993,000 | 3.9\% | 3.5\% | 3.0\% | 2.3\% | 1.1\% | 0.5\% | 0.2\% | 365.4 bps |
| BEAL BANK USA | \$24,703,672,000 | 4.0\% | 3.8\% | 3.5\% | 2.9\% | 2.1\% | 1.4\% | 0.7\% | 326.1 bps |
| BARCLAYS BANK DELAWARE | \$38,405,000,000 | 4.1\% | 3.9\% | 3.4\% | 2.8\% | 2.0\% | 1.2\% | 0.9\% | 320.5 bps |
| AXOS BANK | \$19,929,317,000 | 3.4\% | 3.2\% | 2.6\% | 1.9\% | 1.0\% | 0.4\% | 0.3\% | 313.9 bps |
| COMENITY CAPITAL BANK | \$11,949,273,000 | 4.4\% | 4.0\% | 3.9\% | 3.4\% | 2.3\% | 1.6\% | 1.3\% | 313.4 bps |
| BANC OF CALIFORNIA | \$36,711,566,000 | 3.1\% | 3.2\% | 2.1\% | 1.2\% | 0.6\% | 0.2\% | 0.1\% | 306.4 bps |
| FIRST FOUNDATION BANK | \$13,019,080,000 | 3.2\% | 3.2\% | 2.7\% | 1.8\% | 0.7\% | 0.3\% | 0.2\% | 302.9 bps |
| VERITEX COMMUNITY BANK | \$12,336,815,000 | 3.2\% | 3.0\% | 2.5\% | 1.7\% | 0.8\% | 0.3\% | 0.2\% | 301.7 bps |
| LIVE OAK BANKING COMPANY | \$10,866,049,000 | 3.6\% | 3.5\% | 3.0\% | 2.3\% | 1.5\% | 1.0\% | 0.8\% | 282.3 bps |
| NEXBANK | \$15,807,773,000 | 3.8\% | 3.6\% | 3.2\% | 2.6\% | 1.7\% | 1.1\% | 1.0\% | 282.1 bps |
| PINNACLE BANK | \$47,374,104,000 | 3.0\% | 2.6\% | 2.1\% | 1.5\% | 0.7\% | 0.3\% | 0.2\% | 281.8 bps |
| SALLIE MAE BANK | \$29,151,282,000 | 4.0\% | 3.8\% | 3.5\% | 3.0\% | 2.2\% | 1.4\% | 1.2\% | 279.9 bps |
| beLl bank | \$13,838,676,000 | 3.0\% | 2.7\% | 2.3\% | 1.7\% | 0.7\% | 0.3\% | 0.2\% | 278.1 bps |
| BOKF, NATIONAL ASSOCIATION | \$48,681,506,000 | 2.9\% | 2.4\% | 1.7\% | 1.0\% | 0.5\% | 0.2\% | 0.1\% | 273.4 bps |
| SERVISFIRST BANK | \$16,043,425,000 | 2.9\% | 2.4\% | 1.9\% | 1.2\% | 0.5\% | 0.2\% | 0.2\% | 272.7 bps |
| CUSTOMERS BANK | \$21,849,415,000 | 3.0\% | 2.9\% | 3.2\% | 2.5\% | 1.3\% | 0.5\% | 0.3\% | 269.0 bps |
| EVERBANK, NATIONAL ASSOCIATION | \$34,631,082,000 | 3.4\% | 3.2\% | 2.8\% | 2.1\% | 1.3\% | 0.8\% | 0.7\% | 268.3 bps |
| TEXAS CAPITAL BANK | \$29,583,149,000 | 2.9\% | 2.7\% | 2.4\% | 1.8\% | 1.1\% | 0.5\% | 0.3\% | 264.6 bps |
| EAGLEBANK | \$11,110,771,000 | 2.8\% | 2.7\% | 2.1\% | 1.4\% | 0.8\% | 0.4\% | 0.2\% | 262.2 bps |
| INDEPENDENT BANK DBA INDEPENDENT FINANCIAL | \$18,513,997,000 | 2.8\% | 2.4\% | 1.8\% | 1.1\% | 0.6\% | 0.2\% | 0.2\% | 261.5 bps |
| BANK OF AMERICA CALIFORNIA, NATIONAL ASSOCIATION | \$15,156,000,000 | 2.5\% | 2.1\% | 1.4\% | 0.7\% | 0.0\% | 0.0\% | 0.0\% | 253.5 bps |
| dime community bank | \$13,635,038,000 | 2.6\% | 2.3\% | 1.8\% | 0.9\% | 0.3\% | 0.1\% | 0.1\% | 252.2 bps |
| BANK OZK | \$32,767,328,000 | 2.6\% | 2.1\% | 1.6\% | 1.0\% | 0.4\% | 0.2\% | 0.2\% | 239.7 bps |
| Average** | \$22,357,679,573 | 2.2\% | 2.0\% | 1.6\% | 1.1\% | 0.6\% | 0.3\% | 0.2\% | 202.9 bps |
| Median** | \$18,525,067,500 | 2.1\% | 1.8\% | 1.3\% | 0.9\% | 0.4\% | 0.2\% | 0.1\% | 192.4 bps |
| Maximum** | \$48,799,477,000 | 5.2\% | 5.0\% | 4.4\% | 3.7\% | 3.3\% | 1.6\% | 1.3\% | 505.5 bps |
| Minimum** | \$10,140,847,000 | 0.1\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 0.0\% | 3.7 bps |

* Assets $=\$ 10$ billion to $\$ 50$ billion
** Represents values for the entire peer set (110 banks)

| Bank | Total Assets | Cost of Total Funding |  |  |  |  |  |  | - Q3'23-Q1'22 Cost of Funding |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Q3 2023 | Q2 2023 | Q1 2023 | Q4 2022 | Q3 2022 | Q2 2022 | Q1 2022 |  |
| EDWARD JONES TRUST COMPANY | \$120,809,000 | 42.1\% | 42.5\% | 43.0\% | 27.0\% | 25.4\% | 24.1\% | 24.4\% | 1,772.2 bps |
| EVERENCE TRUST COMPANY | \$11,091,000 | 9.5\% | 0.8\% | 3.2\% | 4.0\% | 1.6\% | 0.0\% | 0.0\% | 952.8 bps |
| PACIFIC COAST BANKERS' BANK | \$1,434,556,000 | 7.5\% | 5.4\% | 4.9\% | 3.9\% | 2.0\% | 0.6\% | 0.1\% | 744.6 bps |
| JPMORGAN CHASE BANK, DEARBORN | \$64,675,000 | 5.6\% | 5.6\% | 4.9\% | 4.0\% | 2.4\% | 1.6\% | 0.0\% | 555.8 bps |
| MEMBERS TRUST COMPANY | \$40,590,000 | 5.5\% | 4.8\% | 4.9\% | 4.0\% | 2.4\% | 0.8\% | 0.0\% | 553.6 bps |
| CORNERSTONE CAPITAL BANK, SSB | \$2,244,364,000 | 5.1\% | 5.0\% | 3.9\% | 0.0\% |  |  |  | 510.1 bps |
| NATIONWIDE TRUST COMPANY, FSB | \$147,815,000 | 6.1\% | 5.8\% | 5.6\% | 4.6\% | 3.2\% | 1.7\% | 1.0\% | 507.4 bps |
| DEUTSCHE BANK TRUST COMPANY DELAWARE | \$128,220,000 | 5.3\% | 5.1\% | 4.7\% | 4.0\% | 2.4\% | 0.9\% | 0.3\% | 498.8 bps |
| HAVERFORD TRUST COMPANY, THE | \$176,485,000 | 5.1\% | 4.7\% | 4.2\% | 3.0\% | 1.3\% | 0.3\% | 0.2\% | 491.1 bps |
| NATIONAL ADVISORS TRUST COMPANY | \$25,304,000 | 4.8\% | 3.2\% | 0.8\% | 0.8\% | 0.8\% | 1.6\% | 0.0\% | 476.4 bps |
| DSRM NATIONAL BANK | \$4,094,000 | 6.4\% | 6.4\% | 5.7\% | 1.6\% | 1.6\% | 1.6\% | 1.6\% | 472.8 bps |
| FIRST WESTERN FEDERAL SAVINGS BANK | \$65,735,000 | 4.8\% | 4.1\% | 4.3\% | 3.1\% | 1.3\% | 0.5\% | 0.3\% | 448.0 bps |
| UNITED TRUST BANK | \$162,058,000 | 4.9\% | 4.4\% | 3.9\% | 2.4\% | 1.2\% | 0.6\% | 0.4\% | 443.0 bps |
| METHOD BANK | \$95,017,000 | 4.6\% | 4.4\% | 3.2\% | 2.0\% | 1.6\% | 0.6\% | 0.2\% | 435.4 bps |
| Stifel bank | \$9,853,398,000 | 4.3\% | 3.9\% | 3.4\% | 2.4\% | 1.0\% | 0.1\% | 0.0\% | 423.9 bps |
| WELLS FARGO BANK SOUTH CENTRAL, NATIONAL ASSOCIATION | \$3,775,791,000 | 4.1\% | 4.0\% | 4.0\% | 3.7\% | 3.3\% | 0.0\% | 0.0\% | 412.5 bps |
| TIB, NATIONAL ASSOCIATION | \$2,945,452,000 | 4.4\% | 4.0\% | 3.5\% | 2.7\% | 1.7\% | 0.7\% | 0.2\% | 410.3 bps |
| HATCH BANK | \$150,811,000 | 4.2\% | 3.4\% | 3.7\% | 2.6\% | 1.8\% | 0.3\% | 0.1\% | 407.2 bps |
| PHILADELPHIA TRUST COMPANY, THE | \$24,115,000 | 4.6\% | 3.9\% | 2.8\% | 1.5\% | 0.8\% | 0.5\% | 0.5\% | 405.2 bps |
| FORBRIGHT BANK | \$6,785,982,000 | 4.4\% | 4.1\% | 3.7\% | 2.8\% | 1.9\% | 0.8\% | 0.4\% | 399.5 bps |
| BESSEMER TRUST COMPANY, N.A. | \$3,002,806,000 | 3.9\% | 3.6\% | 3.2\% | 2.2\% | 0.9\% | 0.1\% | 0.0\% | 384.6 bps |
| GULF CAPITAL BANK | \$536,831,000 | 4.0\% | 3.7\% | 3.1\% | 2.0\% | 0.9\% | 0.3\% | 0.2\% | 381.9 bps |
| WEbBANK | \$2,523,152,000 | 4.2\% | 3.8\% | 3.1\% | 2.3\% | 1.3\% | 0.6\% | 0.4\% | 379.3 bps |
| COMENITY BANK | \$8,227,293,000 | 5.3\% | 5.0\% | 4.6\% | 3.9\% | 2.7\% | 1.8\% | 1.5\% | 378.4 bps |
| Bison state bank | \$60,197,000 | 4.0\% | 4.2\% | 3.7\% | 3.7\% | 3.0\% | 0.5\% | 0.2\% | 377.6 bps |
| NEW REPUBLIC BANK | \$141,008,000 | 4.0\% | 3.6\% | 2.4\% | 1.7\% | 0.9\% | 0.3\% | 0.2\% | 377.1 bps |
| State bank of texas | \$2,363,304,000 | 4.3\% | 3.8\% | 3.3\% | 2.5\% | 1.5\% | 0.8\% | 0.6\% | 374.5 bps |
| FIELDPOINT PRIVATE BANK \& TRUST | \$1,656,434,000 | 4.0\% | 3.9\% | 3.6\% | 2.7\% | 1.4\% | 0.5\% | 0.3\% | 370.5 bps |
| NORTHEAST BANK | \$2,876,461,000 | 4.0\% | 3.7\% | 3.3\% | 2.3\% | 0.9\% | 0.4\% | 0.3\% | 368.0 bps |
| TOUCHMARK NATIONAL BANK | \$471,989,000 | 4.0\% | 3.5\% | 2.7\% | 1.7\% | 0.9\% | 0.4\% | 0.4\% | 364.5 bps |
| Average** | \$768,450,933 | 1.7\% | 1.4\% | 1.1\% | 0.7\% | 0.4\% | 0.3\% | 0.3\% | 136.4 bps |
| Median** | \$311,937,000 | 1.6\% | 1.3\% | 1.0\% | 0.6\% | 0.4\% | 0.3\% | 0.2\% | 128.5 bps |
| Maximum** | \$9,982,399,000 | 42.1\% | 42.5\% | 43.0\% | 27.0\% | 25.4\% | 24.1\% | 24.4\% | 1,772.2 bps |
| Minimum** | \$2,932,000 | -1.8\% | 0.0\% | 0.0\% | -3.7\% | -0.6\% | -0.2\% | -0.3\% | (306.3 bps) |

[^0]** Represents values for the entire peer set (4,491 banks)
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[^0]:    * Assets $=$ Below $\$ 10$ billion

