# Hugh L. Carey Battery Park City Authority 

## Review of Investment Performance

Quarter Ended October 31, 2017

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## A. Executive Summary

## Performance Overview - Total Return Strategies

|  | Past <br> Quarter | Past Quarter <br> Annualized | Past 12 <br> Months | Past <br> Since |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Short-Term Strategy: |  |  |  |  |  |
| Inception |  |  |  |  |  |$|$

[^0]
## Performance Summary - Total Return Strategies

## Short-Term Funds

- Both portfolios outperformed the BAML 3 Month Treasury Bill index for the quarter and 12 months ending October 31, 2017.
- Although yield spreads on commercial paper relative to U.S. Treasuries continued to narrow from their exceptionally wide levels of late 2016 and early 2017, commercial paper continues to offer some value relative to both short and intermediateterm government securities.
- For the 12 months ended October 31, 2017, the Short-Term portfolios outperformed the benchmark by an average of 11 basis points.
- Liquidity considerations are the primary determinant of portfolio structure and duration positioning.
- Potential tax code change remains in the spotlight, with the potential reduction of corporate taxes likely to dominate the headlines. Legislation that prompts cash repatriation may reduce supply from short-term credit issuers, and may affect relative valuation in the short-term markets.


## Longer-Term Funds

- All portfolios outperformed their respective benchmarks for the quarter and 12 months ending October 31, 2017.
- The 2-year U.S. Treasury yield rose 26 basis points (0.26\%) over the quarter, pushing to a 9-year high, while the yield on the 10year U.S. Treasury rose 6 basis points ( $0.06 \%$ ). The modest sell-off caused most Treasury benchmarks to book negative returns for the quarter.
- Portfolio durations ended the quarter shorter than the respective benchmarks. This was partially due to being mindful of the timing of activity at fiscal year-end, but contributed to relative performance during the quarter as short term interest rates increased.
- Our prevailing economic theme includes moderate growth expectations in the U.S. and abroad, further improvements in the tightening U.S. labor market, healthy consumer demand, and a stable corporate backdrop.


## Portfolio Value - Strategy Level

|  | October 31, 2017 |  |  | July 31, 2017 |  |  | Change in Strategy Value Summary |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Market Value | Effective Duration | \% of Total Portfolio | Market Value | Effective Duration | \% of Total Portfolio | Net Cash Flows | Market Value Change | Change in Cash Balance | (+/-) |
| Total Return Accounts |  |  |  |  |  |  |  |  |  |  |
| Longer Term Investment Strategy | \$140,907,406 | 3.17 | 32.0\% | \$139,416,076 | 3.25 | 30.8\% | \$1,396,155 | \$1,491,331 | (\$108,201) | $(\$ 13,026)$ |
| Short Term Investment Strategy | \$195,897,536 | 0.02 | 44.5\% | \$165,755,567 | 0.21 | 36.6\% | \$30,699,879 | \$30,141,969 | \$1,056,985 | \$499,075 |
| Subtotal of Total Return Accounts | \$336,804,943 | 1.34 | 76.5\% | \$305,171,643 | 1.60 | 67.4\% | \$32,096,034 | \$31,633,300 | \$948,784 | \$486,049 |
| Other BPCA Accounts |  |  |  |  |  |  |  |  |  |  |
| Subtotal of Other BPCA Accounts | \$103,554,843 | 0.29 | 23.5\% | \$147,525,063 | 0.35 | 32.6\% | (\$11,446,787) | (\$43,970,219) | \$30,835,044 | (\$1,688,388) |
| Grand Total BPCA Portfolio | \$440,359,786 | 1.09 | 100.0\% | \$452,696,705 | 1.19 | 100.0\% | \$20,649,247 | (\$12,336,919) | \$31,783,827 | (\$1,202,339) |

Notes:

1. "Market Value" includes accrued interest, but does not include cash balances held at the bank.

## Portfolio Value - Total Return Accounts

| Total Return Accounts | October 31, 2017 |  | July 31, 2017 |  | Change in Account Value Summary |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Longer Term Investment Strategy | Market Value | Effective Duration | Market Value | Effective Duration | Net Cash Flows | Market Value Change | Change in Cash Balance | (+/-) |
| 2003 Reserve Fund | \$73,839,050 | 2.93 | \$73,819,158 | 2.97 | \$0 | \$19,892 | $(\$ 43,242)$ | $(\$ 23,350)$ |
| BPCPC Operating Reserve Contingency | \$13,539,450 | 3.48 | \$13,630,773 | 3.59 | (\$103,845) | $(\$ 91,324)$ | $(\$ 4,172)$ | \$8,349 |
| Insurance Fund | \$5,649,528 | 3.39 | \$5,644,527 | 3.46 | \$0 | \$5,001 | $(\$ 5,977)$ | (\$977) |
| Operating Budget Reserve | \$9,599,209 | 3.45 | \$9,582,959 | 3.58 | \$0 | \$16,250 | $(\$ 14,484)$ | \$1,766 |
| BPCA Other Post Employment Benefits | \$25,102,402 | 3.42 | \$23,580,485 | 3.54 | \$1,500,000 | \$1,521,917 | $(\$ 22,027)$ | (\$109) |
| BPCPC Other Post Employment Benefits | \$13,177,768 | 3.46 | \$13,158,174 | 3.60 | \$0 | \$19,594 | $(\$ 18,299)$ | \$1,296 |
| Short Term Investment Strategy |  |  |  |  |  |  |  |  |
| 2003 Pledged Revenue | \$188,793,996 | 0.02 | \$158,741,236 | 0.21 | \$30,624,170 | \$30,052,760 | \$1,055,264 | \$483,854 |
| 2003 Project Operating Fund | \$7,103,540 | 0.02 | \$7,014,331 | 0.12 | \$75,709 | \$89,209 | \$1,721 | \$15,221 |
| Subtotal of Total Return Accounts | \$336,804,943 | 1.34 | \$305,171,643 | 1.60 | \$32,096,034 | \$31,633,300 | \$948,784 | \$486,049 |

[^1]
## Portfolio Value - Other BPCA Accounts

| Other BPCA Accounts | October 31, 2017 |  | July 31, 2017 |  | Net Cash Flows | Market Value Change | Change in Cash Balance | (+/-) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Market Value | Effective Duration | Market Value | Effective Duration |  |  |  |  |
| Liberty Terr Mariners Cove-K | \$290,141 | 0.17 | \$288,517 | 0.24 | \$0 | \$1,625 | (\$845) | \$780 |
| Liberty House Mariners J | \$237,150 | 0.16 | \$236,360 | 0.23 | \$0 | \$790 | (\$150) | \$640 |
| Rector Park L | \$32,962 | 0.12 | \$32,092 | 0.16 | \$0 | \$870 | (\$782) | \$88 |
| Hudson View W Towers G | \$167,082 | 0.17 | \$165,885 | 0.24 | \$0 | \$1,197 | (\$748) | \$449 |
| Hudson Towers E/F | \$203,115 | 0.16 | \$202,132 | 0.23 | \$0 | \$983 | (\$436) | \$547 |
| Hudson View Towers C | \$179,143 | 0.17 | \$178,070 | 0.24 | \$0 | \$1,073 | (\$589) | \$484 |
| Liberty Ct Mariners Cove B | \$591,270 | 0.17 | \$590,066 | 0.24 | \$0 | \$1,205 | \$389 | \$1,594 |
| Millenium | \$3,565,570 | 0.27 | \$3,556,339 | 0.31 | \$0 | \$9,231 | \$182 | \$9,413 |
| Liberty Battery Place Assoc 4 | \$427,184 | 0.17 | \$426,190 | 0.24 | \$0 | \$994 | \$156 | \$1,150 |
| South Cove Assoc 11 | \$388,155 | 0.17 | \$386,935 | 0.24 | \$0 | \$1,220 | (\$176) | \$1,044 |
| Soundings Rector Park A | \$207,111 | 0.16 | \$207,137 | 0.23 | \$0 | (\$26) | \$587 | \$561 |
| The Regatta Site 10 | \$472,207 | 0.17 | \$471,449 | 0.24 | \$0 | \$758 | \$517 | \$1,275 |
| Corporate Funds | \$806,849 | 0.33 | \$809,039 | 0.12 | \$0 | $(\$ 2,190)$ | \$4,139 | \$1,949 |
| 2000 Arbitrage Rebate | \$792,694 | 0.25 | \$789,814 | 0.03 | \$0 | \$2,880 | (\$730) | \$2,151 |
| 1993 Unpledged Revenue | \$1,710,644 | 0.02 | \$954,145 | 0.28 | \$943,868 | \$756,499 | \$190,780 | \$3,411 |
| 2003 Residual Fund | \$613,216 | 0.25 | \$609,856 | 0.03 | \$0 | \$3,360 | $(\$ 1,697)$ | \$1,663 |
| Joint Purpose Fund | \$134,608 | 0.25 | \$134,968 | 0.03 | \$0 | (\$360) | \$725 | \$365 |
| Special Fund | \$917,331 | 0.25 | \$914,784 | 0.03 | \$0 | \$2,547 | (\$58) | \$2,489 |
| Debt Service Junior Payments | \$9,691,096 | 0.08 | \$24,734,908 | 0.16 | (\$2,065,477) | (\$15,043,812) | \$13,042,066 | \$63,732 |
| 2003 Debt Service Senior Payments | \$17,371,942 | 0.04 | \$34,875,142 | 0.17 | \$0 | (\$17,503,200) | \$17,597,642 | \$94,443 |
| BPCPC Operating Reserve | \$990,306 | 0.28 | \$985,277 | 0.29 | \$0 | \$5,029 | $(\$ 2,906)$ | \$2,123 |
| BPCA Millenium Tower Security Fund 2A | \$2,977,559 | 0.25 | \$2,970,070 | 0.28 | \$0 | \$7,489 | \$478 | \$7,967 |
| BPCA S 16/17 Riverhouse Security Fund | \$6,323,337 | 0.27 | \$6,306,204 | 0.30 | \$0 | \$17,133 | \$405 | \$17,538 |
| BPCA Goldman Sachs Liberty Contribution Fund | \$0 | 0.00 | \$0 | 0.00 | \$0 | \$0 | \$0 | \$0 |
| BPCA Visionaire Security Fund | \$3,855,814 | 0.29 | \$3,845,513 | 0.32 | \$0 | \$10,301 | (\$19) | \$10,282 |
| BPCA Series 2009A Project Costs | \$1,903,175 | 0.09 | \$2,787,943 | 0.14 | $(\$ 889,999)$ | $(\$ 884,767)$ | \$217 | \$5,448 |
| BPCA Series 2009B Project Costs | \$1,317,154 | 0.20 | \$1,324,408 | 0.05 | $(\$ 6,926)$ | $(\$ 7,254)$ | \$3,572 | \$3,243 |
| BPCA Pier A Construction Escrow | \$0 | 0.00 | \$0 | 0.00 | \$0 | \$0 | \$0 | \$0 |
| BPCA Pier A Security Deposit Account | \$406,209 | 0.17 | \$405,129 | 0.24 | \$0 | \$1,080 | \$14 | \$1,094 |
| BPCA One Rector Park Security Fund | \$944,385 | 0.26 | \$942,085 | 0.32 | \$0 | \$2,300 | \$288 | \$2,587 |
| BPCA Rector Square Security Fund Site D | \$218,098 | 0.16 | \$217,163 | 0.23 | \$0 | \$934 | (\$345) | \$589 |
| BPCA Insurance Advance | \$0 | 0.00 | \$0 | 0.00 | \$0 | \$0 | \$0 | \$0 |
| BPCA WFC TOWER C RETAIL RENT ESCROW | \$246,140 | 0.16 | \$245,394 | 0.23 | \$0 | \$746 | (\$81) | \$665 |
| BPCA2013ACDE COI SUB AC | \$0 | 0.00 | \$0 | 0.00 | \$0 | \$0 | \$0 | \$0 |
| BPCA2013B COI SUB AC | \$0 | 0.00 | \$0 | 0.00 | \$0 | \$0 | \$0 | \$0 |
| BPCA2013ACDE PROJ COST SUB AC | \$39,101,922 | 0.50 | \$50,875,822 | 0.63 | (\$11,893,731) | (\$11,773,900) | (\$838) | \$118,992 |
| BPCA2013B PROJ COSTS SUB AC | \$0 | 0.00 | \$0 | 0.00 | \$0 | \$0 | \$0 | \$0 |
| BPCA RIVER \& WARREN SEC FUND - SITE 19/ | \$5,823,073 | 0.28 | \$5,807,213 | 0.30 | \$0 | \$15,860 | \$124 | \$15,984 |
| BPCA NORTH COVE MARINA SECURITY FUNL | \$49,942 | 0.12 | \$50,145 | 0.16 | \$0 | (\$203) | \$338 | \$135 |
| BPCA PIER A RESERVE FUND | \$598,259 | 0.00 | \$198,869 | 0.00 | \$400,000 | \$399,390 | \$2,823 | \$2,214 |
| Subtotal of Other BPCA Accounts | \$103,554,843 | 0.29 | \$147,525,063 | 0.35 | (\$13,512,265) | (\$43,970,219) | \$30,835,044 | \$377,089 |

[^2]© PFM

## B. Summary of Aggregate Portfolio

## Aggregate Portfolio Composition and Credit Quality

| Security Type ${ }^{1}$ | October 31, 2017 | \% of Portfolio | Effective <br> Duration | July 31, 2017 | \% of Portfolio | Effective <br> Duration |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. Treasuries | \$332,117,476 | 75.4\% | 1.10 | \$347,221,418 | 76.7\% | 1.18 |
| Federal Agencies and Instrumentalities (non-MBS) | \$34,536,443 | 7.8\% | 1.48 | \$23,727,380 | 5.2\% | 2.13 |
| Commercial Paper | \$39,800,777 | 9.0\% | 0.03 | \$41,029,699 | 9.1\% | 0.21 |
| Municipals | \$24,473,897 | 5.6\% | 1.30 | \$30,772,194 | 6.8\% | 1.16 |
| Government MBS | \$9,431,193 | 2.1\% | 3.35 | \$9,946,014 | 2.2\% | 3.29 |
| Totals | \$440,359,786 | 100.0\% | 1.09 | \$452,696,705 | 100.0\% | 1.19 |




[^3]1. End of quarter trade-date market values of portfolio holdings, including accrued interest
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## Aggregate Portfolio Composition and Credit Quality by Advisor

| Security Type ${ }^{1}$ | PFM Asset Management | \% of Advisor | \% of Total Portfolio | Effective Duration | Ramirez Asset Management | \% of Advisor | \% of Total Portfolio | Effective Duration |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. Treasuries | \$305,106,844 | 79.1\% | 69.3\% | 1.19 | \$27,010,631 | 49.4\% | 6.1\% | 0.12 |
| Federal Agencies and Instrumentalities (non-MBS) | \$24,728,443 | 6.4\% | 5.6\% | 2.06 | \$9,808,000 | 17.9\% | 2.2\% | 0.00 |
| Commercial Paper | \$28,667,309 | 7.4\% | 6.5\% | 0.02 | \$11,133,468 | 20.4\% | 2.5\% | 0.03 |
| Municipals | \$17,859,142 | 4.6\% | 4.1\% | 1.52 | \$6,614,756 | 12.1\% | 1.5\% | 0.71 |
| Government MBS | \$9,329,363 | 2.4\% | 2.1\% | 3.35 | \$101,830 | 0.2\% | 0.0\% | 2.92 |
| Totals | \$385,691,101 | 100\% | 87.6\% | 1.23 | \$54,668,685 | 100.0\% | 12.4\% | 0.16 |



## Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest.
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## Aggregate Portfolio Issuer Breakdown

| Security Type | October 31, 2017 | \% of Portfolio | July 31, 2017 | \% of Portfolio | QoQ \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| United States Treasury ${ }^{2}$ |  |  |  |  |  |
| U.S. Treasury | \$332,117,476 | 75.4\% | \$347,221,418 | 76.7\% | (1.3\%) |
| Ginnie Mae | \$5,302,862 | 1.2\% | \$5,703,637 | 1.3\% | (0.1\%) |
| Small Business Administration | \$2,501,812 | 0.6\% | \$2,502,390 | 0.6\% | 0.0\% |
| Federal Agencies and Instrumentalities (includes Mortgaged-Backed Securities) ${ }^{\mathbf{2}}$ |  |  |  |  |  |
| Freddie Mac | \$2,618,951 | 0.6\% | \$3,755,496 | 0.8\% | (0.2\%) |
| Fannie Mae | \$920,292 | 0.2\% | \$970,092 | 0.2\% | (0.0\%) |
| Federal Home Loan Bank | \$9,808,000 | 2.2\% | \$0 | 0.0\% | 2.2\% |
| International Bank of Recon and Development | \$10,980,264 | 2.5\% | \$8,865,497 | 2.0\% | 0.5\% |
| International American Development Bank | \$1,809,902 | 0.4\% | \$1,806,666 | 0.4\% | 0.0\% |
| Asian Development Bank | \$6,496,335 | 1.5\% | \$6,515,785 | 1.4\% | 0.0\% |
| African Development Bank | \$3,529,219 | 0.8\% | \$3,553,831 | 0.8\% | 0.0\% |
| Commercial Paper ${ }^{2}$ |  |  |  |  |  |
| Canadian Imperial Bank of Commerce | \$0 | 0.0\% | \$1,297,400 | 0.3\% | (0.3\%) |
| JP Morgan | \$499,847 | 0.1\% | \$13,284,704 | 2.9\% | (2.8\%) |
| General Electric Capital Tsy Services | \$1,003,803 | 0.2\% | \$1,000,775 | 0.2\% | 0.0\% |
| General Electric Company | \$0 | 0.0\% | \$2,566,154 | 0.6\% | (0.6\%) |
| Prudential Funding LLC | \$3,705,527 | 0.8\% | \$2,504,798 | 0.6\% | 0.3\% |
| Toyota Motor Credit Corporation | \$16,588,620 | 3.8\% | \$17,531,062 | 3.9\% | (0.1\%) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Nassau County, NY IFA | \$4,138,455 | 0.9\% | \$4,124,913 | 0.9\% | 0.0\% |
| New York City | \$8,498,501 | 1.9\% | \$12,528,011 | 2.8\% | (0.8\%) |
| New York City Transitional Finance Authority | \$6,924,018 | 1.6\% | \$6,959,803 | 1.5\% | 0.0\% |
| NY State Dorm Authority | \$2,302,026 | 0.5\% | \$2,082,119 | 0.5\% | 0.1\% |
| Port Authority of NY/NJ | \$103,457 | 0.0\% | \$489,575 | 0.1\% | (0.1\%) |
| Maryland State | \$0 | 0.0\% | \$2,265,750 | 0.5\% | (0.5\%) |
| NY Metro Transportation Authority | \$152,182 | 0.0\% | \$151,925 | 0.0\% | 0.0\% |
| Rye City School District | \$0 | 0.0\% | \$102,472 | 0.0\% | (0.0\%) |
| West Islip NY Union Free SD | \$0 | 0.0\% | \$892,089 | 0.2\% | (0.2\%) |
| Scarsdale SD NY | \$0 | 0.0\% | \$61,200 | 0.0\% | (0.0\%) |
| Orange County, NY | \$586,537 | 0.1\% | \$588,300 | 0.1\% | 0.0\% |
| Eastport-South Manor CSD | \$0 | 0.0\% | \$15,216 | 0.0\% | (0.0\%) |
| Westchester, County of | \$267,510 | 0.1\% | \$266,954 | 0.1\% | 0.0\% |
| Babylon, Town of | \$229,264 | 0.1\% | \$228,395 | 0.1\% | 0.0\% |
| Brocton CSD | \$15,510 | 0.0\% | \$15,474 | 0.0\% | 0.0\% |
| Syracuse, NY | \$863,638 | 0.2\% | \$0 | 0.0\% | 0.2\% |
| NY State Housing Finance Agency | \$392,799 | 0.1\% | \$0 | 0.0\% | 0.1\% |

[^4]limited to to Authority's Investment Policy, investments in obligations other than those backed by the full faith and credit of the U.S. Government are

## Aggregate Portfolio Maturity Structure

| Security Type ${ }^{1}$ | October 31, 2017 | \% of Portfolio | July 31, 2017 | \% of Portfolio | QoQ \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Under 6 Months | \$285,473,872 | 64.8\% | \$279,144,982 | 61.7\% | 3.2\% |
| 6-12 Months | \$22,253,349 | 5.1\% | \$35,222,695 | 7.8\% | (2.7\%) |
| 1-2 Years | \$31,634,993 | 7.2\% | \$26,075,551 | 5.8\% | 1.4\% |
| 2-3 Years | \$21,869,360 | 5.0\% | \$29,544,888 | 6.5\% | (1.6\%) |
| 3-4 Years | \$25,137,929 | 5.7\% | \$28,201,087 | 6.2\% | (0.5\%) |
| 4-5 Years | \$18,541,713 | 4.2\% | \$17,669,735 | 3.9\% | 0.3\% |
| 5 Years and Over | \$35,448,570 | 8.0\% | \$36,837,767 | 8.1\% | (0.1\%) |
| Totals | \$440,359,786 | 100.0\% | \$452,696,705 | 100.0\% |  |



Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest.

## C. Performance Attributes

## Total Return Portfolio Attributes



## Portfolios Managed with a Longer-Term Investment Strategy

## Longer-Term Investment Strategy

| Total Return ${ }^{1,2,4,5}$ | October 31, 2017 | Annualized Quarter | Annualized Since Inception |
| :---: | :---: | :---: | :---: |
| - 2003 Reserve Fund | (0.02\%) | (0.06\%) | 3.41\% |
| $\square \quad$ BM: BAML 1-5 Year US Treasury Note Index | (0.09\%) | (0.35\%) | 3.25\% |
| $\square \quad \mathrm{BPCPC}$ Operating Reserve Contingency | 0.06\% | 0.24\% | 3.79\% |
| $\square$ Insurance Fund | (0.02\%) | (0.07\%) | 3.74\% |
| $\square$ Operating Budget Reserve | 0.02\% | 0.07\% | 3.90\% |
| $\square$ BM: BAML 1-10 Year US Treasury Note Index | (0.13\%) | (0.50\%) | 3.41\% |
| $\square$ BPCA Other Post Employment Benefits | 0.00\% | 0.00\% | 2.88\% |
| $\square \quad$ BM: BAML 1-10 Year US Treasury Note Index | (0.13\%) | (0.50\%) | 2.61\% |
| $\square \quad \mathrm{BPCPC}$ Other Post Employment Benefits | 0.01\% | 0.04\% | 2.19\% |
| $\square \quad$ BM: BAML 1-10 Year US Treasury Note Index | (0.13\%) | (0.50\%) | 2.22\% |
| Effective Duration (in years) ${ }^{3}$ | October 31, 2017 | July 31, 2017 |  |


2.62
3.59
3.59
3.46
3.46
3.58
3.54
3.72
3.72

Notes: Performance on trade-date basis, gross-of-fees in accordance with the CFA Institute's Global Investment Performance Standards.
2. Bank of America/Merrill Lynch (BAML) indices provided by Bloomberg FFinancial Markets. The total returns shown for periods longer than a year are the annualized returns for the stated period.
3. Duration is the change in the value of a security that will result from a $1 \%$ change in interest rates, stated in years.
4. Periodic performance numbers are presented both as the periodic return and on an annualized basis. The annualized return assumes the periodic return is compounded at the same rate and is
nd is presented for reference only. The actual annual return will be the result of chaining the most
5. Since inception performance for all portfolios other than 'BPCA Other Post Employment Benefits' and 'BPCPC Other Post Employment Benefits' is calculated from January 31, 2006 to present. For the 'Reserve Fund,' the inception of the BAML 1-5 Year Treasury Index as the performance benchmark is July 31, 2013. For prior periods, the BAML 1-10 Year Treasury Index was utilized Since inception performance for the 'BPCA Other Post Employment Benefits' is calculated from January 31, 2008 to present.
Since inception performance for the 'BPCPC Other Post Employment Benefits' is calculated from February 12, 2010 to present.

## 2003 Reserve Fund Portfolio

| Security Type ${ }^{1}$ | October 31, 2017 | \% of Portfolio | July 31, 2017 | \% of Portfolio | QoQ \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. Treasuries | \$46,426,917 | 62.9\% | \$40,424,336 | 61.2\% | 1.7\% |
| Federal Agencies and Instrumentalities (non-MBS) | \$12,884,613 | 17.4\% | \$10,755,424 | 16.3\% | 1.2\% |
| Commercial Paper | \$0 | 0.0\% | \$0 | 0.0\% | 0.0\% |
| Municipal Obligations | \$10,247,669 | 13.9\% | \$10,340,102 | 15.6\% | (1.8\%) |
| Government MBS | \$4,279,851 | 5.8\% | \$4,572,131 | 6.9\% | (1.1\%) |
| Totals | \$73,839,050 | 100.0\% | \$66,091,994 | 100.0\% |  |
| Portfolio Composition as of $10 / 31 / 17$ |  |  |  | stribution <br> 17 $\begin{gathered} \text { AA } \\ 5.8 \% \end{gathered}$ $\square$ A-1+ \& (Short-te | AA .5\% -1 m) |



Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest.
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## BPCPC Operating Reserve Contingency Portfolio



## Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest.
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## Insurance Fund Portfolio

| Security Type ${ }^{1}$ | October 31, 2017 | \% of Portfolio | July 31, 2017 | \% of Portfolio | QoQ \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. Treasuries | \$3,989,382 | 70.6\% | \$3,963,738 | 70.2\% | 0.4\% |
| Federal Agencies and Instrumentalities (non-MBS) | \$842,694 | 14.9\% | \$847,573 | 15.0\% | (0.1\%) |
| Commercial Paper | \$0 | 0.0\% | \$0 | 0.0\% | 0.0\% |
| Municipal Obligations | \$655,799 | 11.6\% | \$661,711 | 11.7\% | (0.1\%) |
| Government MBS | \$161,654 | 2.9\% | \$171,505 | 3.0\% | (0.2\%) |
| Totals \$5,649,528 |  | 100.0\% | \$5,644,527 | 100.0\% |  |
| Portfolio Composition as of 10/31/17 | deral cies and mentalities -MBS) 4.9\% <br> al ns |  | Credit Quality as of 10 <br> A+ <br> .7\% <br> \& A-1 <br> t-term) <br> 8\% |  |  |



Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest.
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## Operating Budget Reserve Portfolio



Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## BPCA OPEB Portfolio



Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest.
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## BPCPC OPEB Portfolio



## Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

# Portfolios Managed with a Shorter-Term Investment Strategy 

## Shorter-Term Investment Strategy



Notes:

1. Performance on trade-date basis, gross-of-fees in accordance with the CFA Institute's Global Investment Performance Standards.
2. Bank of America/Merrill Lynch (BAML) indices provided by Bloomberg Financial Markets. The total returns shown for periods longer than a year are the annualized returns for the stated period.
3. Duration is the change in the value of a security that will result from a $1 \%$ change in interest rates, stated in years.
 for reference only. The actual annual return will be the result of chaining the most recent four quarterly returns.
4. Since inception performance is calculated from January 31, 2006 to present.

## 2003 Pledged Revenue



Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest.
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## 2003 Project Operating Fund Portfolio



Notes:

1. End of quarter trade-date market values of portfolio holdings, including accrued interest
2. Government MBS includes Freddie Mac, Fannie Mae, Ginnie Mae, and Small Business Administration MBS.

## D. Market Commentary

## Market Commentary

## SUMMARY

- For the first time since 2007, all 45 national economies in the OECD (Organisation for Economic Co-operation and Development) are expanding. Against the backdrop of historically low interest rates, reasonably favorable economic data, and positive consumer, business and investor optimism, the U.S. economy is on track to grow at a modest pace in the range of $2 \%$ to 2.5\% annually.
- Although a slow rate of inflation remains a conundrum, the Federal Reserve (Fed) is pursuing monetary policy normalization. At its September meeting, the Federal Open Market Committee (FOMC) announced a tapering of its balance sheet securities holdings to begin in October under the terms of the previously released normalization principles and plans. In addition, the updated "dot plot" projection indicated an expectation for one additional rate hike in 2017.
- The nomination of a replacement chair for the Federal Reserve Board and the introduction of legislation proposing the biggest change in Federal tax code since 1986 barely rippled the bond market. Both may still have an impact as Congressional debates and hearings await each one.
- Investor ebullience resulting from positive calendar year third quarter corporate earnings, coupled with strong consumer sentiment, continued to drive stocks higher. Major U.S. equity indices including the S\&P 500 , Dow Jones and NASDAQ logged new records in October.


## ECONOMIC SNAPSHOT

- The initial estimate of third quarter gross domestic product (GDP) indicated the U.S. economy grew at an annualized pace of $3.0 \%$ despite the rough hurricane season. $3 \%$ growth in each of the second and third quarters was the fastest back-to-back quarterly pace since 2014. Personal spending, business investment and net exports were significant contributors.
- The U.S. labor market rebounded, adding 261,000 jobs in October. Importantly, the prior month's hurricane-induced decline was revised to a gain of 18,000 jobs. The unemployment rate fell to a 16 -year low of $4.1 \%$.
- Inflation remained well short of the Fed's target level of 2\%. The Fed's preferred metric, core personal consumption expenditures (PCE), excluding food and energy, grew only 1.3\% YoY through September. Despite the low inflation reading, the positive overall economic backdrop led U.S. central bankers to signal they would continue to tighten monetary policy.


## INTEREST RATES

- Shorter-term Treasury yields (5 years and under) rose in the third quarter on the expectation of further monetary policy tightening. Long-term Treasury yields (10 years and longer) rose just a couple basis points, with the exception of the 30-year Treasury yield, which fell 1 basis point. This continued the trend of modest flattening of the Treasury yield curve since the beginning of the year.
- The 2-year Treasury yield ended the quarter higher by 26 basis points (bps) $(0.26 \%)$ to $1.62 \%$-- the highest level since 2008 - while the 10 -year Treasury yield rose only 6 bps ( $0.06 \%$ ) over the quarter to close at $2.38 \%$.
- In the money market space, federal debt ceiling concerns resulted in a temporary inversion of the short-term yield curve. The higher risk associated with Treasuries maturing in early October, the expected date for the U.S. Treasury to run out of borrowing capacity, translated into higher yields for those maturities. But, the yield curve quickly normalized after Congress passed an extension to the debt limit until December, along with a hurricane aid package, and a temporary resolution to fund the government for three months.
- In the short-term credit markets, yields on commercial paper and bank CDs rose in lockstep with expectations about future Fed rate hikes.


## SECTOR PERFORMANCE

- U.S. Treasury index returns were slightly negative for the 3-months ended October 31. Flattening of the yield curve caused longer maturities to outperform shorter ones, as the increase in short-term rates modestly detracted from returns for the quarter.
- Federal agency yields kept pace with those of Treasuries, as yield spreads remained narrow. Agency indices generally outperformed similar-maturity Treasury indices.
- Investment-grade corporates continued to outperform comparable-maturity Treasuries. Robust calendar year third quarter earnings results have kept the demand for corporate bonds strong.
- After three straight quarters of underperformance, the mortgage backed securities (MBS) sector performed well in the third quarter, outperforming Treasuries and traditional agencies.
- Short-term commercial paper and bank CDs continue to offer value relative to both short and intermediate-term government securities.

Economic Snapshot


1. Data as of Second Quarter 2017 (June 2017)2. Data as of Third Quarter 2016 (September 2016)

Note: YoY = year over year, QoQ = quarter over quarter, SAAR = seasonally adjusted annual rate, WTI = West Texas Intermediate crude oil Source: Bloomberg.

## Interest Rate Overview




| Maturity | 10/31/17 | $7 / 31 / 17$ | Change <br> over <br> Quarter | 10/31/16 | Change <br> over Year |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 3-month | $1.19 \%$ | $1.12 \%$ | $0.07 \%$ | $0.45 \%$ | $0.74 \%$ |
| 1-year | $1.42 \%$ | $1.22 \%$ | $0.20 \%$ | $0.65 \%$ | $0.76 \%$ |
| 2-year | $1.62 \%$ | $1.37 \%$ | $0.26 \%$ | $0.87 \%$ | $0.75 \%$ |
| 5-year | $2.02 \%$ | $1.85 \%$ | $0.17 \%$ | $1.36 \%$ | $0.67 \%$ |
| 10-year | $2.38 \%$ | $2.32 \%$ | $0.06 \%$ | $1.87 \%$ | $0.51 \%$ |
| 30-year | $2.89 \%$ | $2.90 \%$ | $(0.01 \%)$ | $2.59 \%$ | $0.30 \%$ |

Yield Curves as of 10/31/17


## Bank of America Merrill Lynch Index Returns

| As of 10/31/2017 |  | Periods Ended 10/31/2017 |  |  |  |
| :--- | :---: | :--- | :--- | :--- | :--- |
| 1-3 Year Indices | Duration | Yield | 3 Month | 1 Year | 3 Years |
| U.S. Treasury |  |  |  |  |  |
| Federal Agency | 1.86 | $1.60 \%$ | $(0.04 \%)$ | $0.24 \%$ | $0.65 \%$ |
| U.S. Corporates, A-AAA Rated | 1.81 | $1.68 \%$ | $0.04 \%$ | $0.48 \%$ | $0.82 \%$ |
| Agency MBS (0 to 3 years) | 1.91 | $2.01 \%$ | $0.26 \%$ | $1.49 \%$ | $1.56 \%$ |
| Municipals | 2.29 | $2.07 \%$ | $0.17 \%$ | $0.36 \%$ | $1.24 \%$ |
| 1-5 Year Indices | 1.79 | $1.22 \%$ | $0.03 \%$ | $1.00 \%$ | $0.84 \%$ |
| U.S. Treasury |  |  |  |  |  |
| Federal Agency | 2.65 | $1.72 \%$ | $(0.09 \%)$ | $0.04 \%$ | $1.00 \%$ |
| U.S. Corporates, A-AAA Rated | 2.22 | $1.75 \%$ | $0.01 \%$ | $0.41 \%$ | $1.07 \%$ |
| Agency MBS (0 to 5 years) | 3.26 | $2.20 \%$ | $0.28 \%$ | $1.60 \%$ | $2.06 \%$ |
| Municipals | 2.43 | $1.32 \%$ | $0.20 \%$ | $0.19 \%$ | $1.61 \%$ |
| Master Indices |  |  | $(0.00 \%)$ | $1.14 \%$ | $1.10 \%$ |
| U.S. Treasury | 6.35 | $2.04 \%$ | $0.13 \%$ | $(0.70 \%)$ | $1.79 \%$ |
| Federal Agency | 3.98 | $2.00 \%$ | $0.25 \%$ | $0.50 \%$ | $1.76 \%$ |
| U.S. Corporates, A-AAA Rated | 7.19 | $2.89 \%$ | $0.93 \%$ | $2.65 \%$ | $3.63 \%$ |
| Agency MBS | 4.53 | $2.76 \%$ | $0.44 \%$ | $0.54 \%$ | $2.08 \%$ |
| Municipals | 6.80 | $2.30 \%$ | $0.65 \%$ | $2.11 \%$ | $3.17 \%$ |

Returns for periods greater than one year are annualized
Source: Bloomberg.

## Important Disclosures

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[^0]:    Notes:

    1. Bank of America/Merrill Lynch (BAML) indices provided by Bloomberg Financial Markets. The total returns shown for periods longer than a year are the annualized returns for the stated period.
    2. Since inception performance for all portfolios other than 'BPCA Other Post Employment Benefits' and 'BPCPC Other Post Employment Benefits' is calculated from January 31, 2006 to present
    3. For the 'Reserve Fund,' the inception of the BAML 1-5 Year Treasury Index as the performance benchmark is July 31, 2013. For prior periods, the BAML 1-10 Year Treasury Index was utilized.
    4. Since inception performance for the 'BPCA Other Post Employment Benefits' is calculated from January 31, 2008 to present.
    5. Since inception performance for the 'BPCPC Other Post Employment Benefits' is calculated from February 12, 2010 to present.
[^1]:    Notes:

    1. "Market Value" includes accrued interest, but does not include cash balances held at the bank.
[^2]:    Notes:

    1. "Market Value" includes accrued interest, but does not include cash balances held at the bank.
[^3]:    Notes:

[^4]:    Notes:
    . Pud of quarter trade-date market values of portfolio holdings, including accrued interest.

