## POOLED MONEY INVESTMENT BOARD

59 ${ }^{\text {th }}$ Annual Report | Fiscal Year 2014-15


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## Preface

## POOLED MONEY INVESTMENT BOARD

The Pooled Money Investment Board (PMIB), created by the Legislature in 1955, is comprised of the State Treasurer, as chairman, the State Controller and the Director of Finance At the end of Fiscal Year 2014-15, the members were State Treasurer John Chiang, State Controller Betty T Yee, and Director of Finance Michael Cohen

The purpose of the PMIB is to design and administer an effective cash management and investment program, called the Pooled Money Investment Account (PMIA) The PMIA uses all monies flowing through the State Treasurer's bank accounts and keeps all available funds invested consistent with the goals of safety, liquidity and yield

The law restricts the State Treasurer to investments in the following categories: U S government securities; securities of federally-sponsored agencies; California state securities; California municipal bonds or warrants; domestic corporate
bonds; interest-bearing time deposits in California banks, savings and loan associations, and credit unions; primerated commercial paper; repurchase and reverse repurchase agreements; security loans; banker's acceptances; negotiable certificates of deposit; negotiable order of withdrawal accounts; and loans to various bond funds The investment and demand account programs, over which the PMIB has oversight and are administered by the State Treasurer, will be covered in this report

During Fiscal Year 2014-15, the PMIA's earnings totaled more than $\$ 159$ million Approximately $\$ 54$ million of this amount was credited to local governments as a result of their deposits in the investment pool The level of local governments' combined voluntary investment, which averaged $\$ 2018$ billion daily, reflects the confidence these agencies have in the State Treasurer's investment management capabilities The magnitude of these investment earnings provides a significant reduction in the tax burden that otherwise would be imposed on the citizens of California


## 1. Pooled Money Investment Account

Resources of the PMIA averaged $\$ 61298$ billion per day during Fiscal Year 2014-15, although the daily figures fluctuated widely with receipts and disbursements

On the closing day of the fiscal year, the following resources were on hand in the PMIA:

| Securities | $\$ 63,726,999,689$ |
| :--- | ---: |
| General Fund Loans | $\$ 0$ |
| AB 55 Loans | $\$ 441,948,027$ |
| Time Deposit Balances | $\$ 5,437,540,000$ |
| Demand Deposit Balances | $\$ 1,948,045,033$ |
| TOTAL RESOURCES | $\$ 71,554,532,749$ |

SOURCE OF FUNDS, PMIA QUARTER ENDING 6/30/15 AVERAGE QUARTERLY BALANCE: $\$ 65.312$ billion

## SUMMARY STATISTICS

| Demand Accounts | \$2.159 | billion per day on the average |
| :---: | :---: | :---: |
| Portfolio | \$59.139 | billion per day on the average |
| Resources | \$61.298 | billion per day on the average |
| Earnings | \$148.978 | million from security investments |
|  | \$4.307 | million from bank time deposits |
|  | \$5.799 | million from General Fund Ioans |
| Earnings Rate | 0.27 | percent average for all investments |
| Dollar Value of Investment Transactions | \$315.5 | billion |
| Number of Investment Transactions | 7,021 | transactions |
| Time Deposits | 72 | banks, credit unions and savings banks held PMIA money at year-end |



## INVESTMENT PROGRAM

While the PMIB designates how much shall be invested in interest-bearing time deposit accounts and securities, it is the responsibility of the State Treasurer to administer the investment program on a day-to-day basis in line with overall PMIB policy This entails a daily determination of amounts available for investment, or the need for liquidating securities to meet estimated warrant redemption requirements, while maintaining the approved compensating balance position This means that the State Treasurer must continually adjust the estimates for receipts and disbursements to reflect current available information

For Fiscal Year 2014-15, daily investments in time deposits ranged from $\$ 4790$ billion to $\$ 5437$ billion and averaged $\$ 5090$ billion daily There were 1,247 time deposit transactions totaling $\$ 27767$ billion during the year California commercial banks, savings banks and credit unions receiving these state deposits must secure them with approved securities having a market value of at least 110 percent of the deposits or with approved promissory notes secured by mortgages or deeds of trust having a market value of at least 150 percent of the deposits The same collateral requirements also apply to the state's demand accounts At the end of Fiscal Year 2014-15, interest-bearing time deposits were held by 63 commercial banks, eight credit unions and one savings bank throughout California For the fiscal year, PMIA holdings in time deposits had an average yield of 008 percent

The amount of money designated by the PMIB for investment in securities varies dramatically throughout the year Such designations are made at least monthly Again, the State Treasurer handles the actual investments, determining the issue and maturity of authorized securities to be bought or sold in accordance with cash needs and both current and projected market conditions During Fiscal Year 2014-15, there were 2,930 security purchase transactions and 2,844 security sales or redemption transactions, with a total investment activity of $\$ 287754$ billion The overall return on investments was 027 percent

Total earnings for the PMIA in Fiscal Year 2014-15 were $\$ 159084$ million These earnings were credited as follows:

| Surplus Money Investment Fund | $\$ 82,811,685$ |
| :--- | :---: |
| Local Agency Investment Fund | $\$ 54,170,622$ |
| General Fund | $\$ 20,735,092$ |
| Public Employees' Retirement Fund | $\$ 1,010,128$ |
| Teachers' Retirement Fund | $\$ 193,137$ |
| Fish and Game Preservation Fund | $\$ 162,973$ |
| TOTAL EARNINGS | $\$ 159,083,637$ |

TIME DEPOSITS BY MONTH-END, FISCAL YEAR 2014-15 (\$ in millions)


## ANALYSIS OF THE PORTFOLIO, FISCAL YEAR 2014-15

| Type of Security | Average Daily Portfolio | Percent of Portfolio (\%) | Earnings For Year | Average Portfolio Life on 6/30/15 (in Days) |
| :---: | :---: | :---: | :---: | :---: |
| U.S. Treasury Bills/Strips | \$11,169,591,293 | 18.89 | \$14,688,454 | 188 |
| U.S. Treasury Bonds/Notes | \$19,758,442,136 | 33.41 | \$83,926,448 | 473 |
| Agency Coupon Securities | \$2,813,207,455 | 4.76 | \$10,330,172 | 220 |
| Agency Discount Notes | \$2,179,619,679 | 3.68 | \$3,222,516 | 231 |
| FHLMC / REMIC | \$104,534,700 | 0.18 | \$5,967,392 | 4381 |
| Negotiable CDs | \$9,885,378,535 | 16.72 | \$20,289,774 | 88 |
| Bank Notes | \$462,739,726 | 0.78 | \$1,118,639 | 63 |
| Time Deposits | \$5,089,666,575 | 8.61 | \$4,306,725 | 61 |
| Commercial Paper | \$5,133,337,148 | 8.68 | \$8,138,378 | 50 |
| Corporate Bonds | \$0 | 0.00 | \$0 | 0 |
| Repurchase Agreements | \$3,835,617 | 0.00 | \$2,556 | 0 |
| Reverse Repurchase Agreements | \$0 | 0.00 | \$0 | 0 |
| AB 55 Loans | \$322,494,166 | 0.54 | \$1,293,185 | 265 |
| General Fund Loans | \$2,215,813,973 | 3.75 | \$5,799,398 | 0 |
| TOTAL PORTFOLIO | \$59,138,661,003 | 100.00\% | \$159,083,637 | 239 |

## SUMMARY OF INVESTMENTS AND EARNINGS FOR FISCAL YEARS ENDING JUNE 30, 2006 THROUGH 2015 (\$ in thousands)

| Investment in Securities |  |  |  | Investment in time deposits |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiscal <br> Year | Average Daily Investment | Earnings | Earnings Rate (\%) | Fiscal Year | Average Daily Investment | Earnings | Earnings Rate (\%) |
| 2005-06 | \$48,095,303 | \$1,850,015 | 3.85 | 2005-06 | \$7,586,240 | \$306,641 | 4.04 |
| 2006-07 | \$49,143,376 | \$2,512,140 | 5.11 | $2006-07$ | \$8,349,640 | \$431,452 | 5.17 |
| 2007-08 | \$53,475,554 | \$2,376,670 | 4.44 | 2007.08 | \$9,120,990 | \$329,215 | 3.61 |
| 2008-09 | \$45,780,185 | \$1,109,867 | 2.42 | 2008-09 | \$7,869,934 | \$91,806 | 1.17 |
| 2009-10 | \$50,860,515 | \$349,144 | 0.69 | 2009-10 | \$4,647,944 | \$9,429 | 0.20 |
| 2010-11 | \$56,768,448 | \$294,039 | 0.52 | 2010-11 | \$4,008,345 | \$7,713 | 0.19 |
| 2011-12 | \$50,379,295 | \$204,808 | 0.41 | 2011-12 | \$4,173,405 | \$4,207 | 0.10 |
| 2012-13 | \$50,680,825 | \$160,581 | 0.32 | 2012-13 | \$4,344,156 | \$6,484 | 0.15 |
| 2013-14 | \$48,555,052 | \$127,410 | 0.26 | 2013-14 | \$4,517,204 | \$4,550 | 0.10 |
| 2014-15 | \$51,833,180 | \$148,978 | 0.29 | 2014-15 | \$5,089,667 | \$4,307 | 0.08 |
| LOANS TO GENERAL FUND |  |  |  | TOTAL INVESTMENTS |  |  |  |
| Fiscal Year | Average Daily Investment | Earnings | Earnings <br> Rate (\%) | Fiscal Year | Average Daily Investment | Earnings | Earnings Rate (\%) |
| 2005-06 | \$33,274 | \$1,189 | 3.57 | 2005-06 | \$55,714,817 | \$2,157,845 | 3.87 |
| 2006-07 | \$654,425 | \$34,033 | 5.20 | 2006-07 | \$58,147,441 | \$2,977,625 | 5.12 |
| 2007-08 | \$882,969 | \$39,863 | 4.51 | 2007 -08 | \$63,479,513 | \$2,745,747 | 4.32 |
| 2008-09 | \$6,353,078 | \$133,004 | 2.09 | 2008-09 | \$60,003,197 | \$1,334,677 | 2.22 |
| 2009-10 | \$9,572,380 | \$65,231 | 0.68 | 2009-10 | \$65,080,839 | \$423,804 | 0.65 |
| 2010-11 | \$6,444,910 | \$30,828 | 0.48 | 2010-11 | \$67,221,703 | \$332,579 | 0.49 |
| 2011-12 | \$9,080,017 | \$33,974 | 0.37 | 2011-12 | \$63,632,717 | \$242,989 | 0.38 |
| 2012-13 | \$5,729,912 | \$19,699 | 0.34 | 2012-13 | \$60,754,893 | \$186,764 | 0.31 |
| 2013-14 | \$2,263,360 | \$5,755 | 0.25 | 2013-14 | \$55,335,616 | \$137,715 | 0.25 |
| 2014-15 | \$2,215,814 | \$5,799 | 0.26 | 2014-15 | \$59,138,661 | \$159,084 | 0.27 |

## Financial Community Coverage

The following firms conducted investment transactions with the State Treasurer's Office during Fiscal Year 2014-15

| 1st Capital Bank | East West Bank | Pacific Commerce Bank |
| :---: | :---: | :---: |
| 1st Century Bank, NA | EverTrust Bank | Pacific Western Bank |
| Alamo Capital | Farmers \& Merchants Bank | Presidio Bank |
| American Plus Bank, NA | of Central California | Prospectors Federal Credit Union |
| American River Bank | First Foundation Bank | Provident Credit Union |
| Banc of California NA | First National Bank of Northern California | Rabobank International New York |
| Bank Leumi USA | Five Star Bank | RBC Capital Markets, LLC |
| Bank of Montreal | Folsom Lake Bank | River City Bank |
| Bank of Sacramento | General Electric Capital Corp. | SAFE Credit Union |
| Bank of San Francisco | Great Pacific Securities | San Diego County Credit Union |
| Bank of the Sierra | Hanmi Bank | Santa Cruz County Bank |
| Bank of the West | Heritage Bank of Commerce | Scotia Capital Markets (USA) Inc. |
| Bank of Tokyo-Mitsubishi LTD (The) | Heritage Oaks Bank | Seacoast Commerce Bank |
| Barclays Capital Inc. | HSBC Bank USA, NA | SG Americas Securities LLC |
| BBCN Bank | ICAP Corporates LLC | Sierra Vista Bank |
| Beneficial State Bank | J.P. Morgan Securities LLC | Signature Securities Group Corp. |
| BGC Brokers Inc. | Jefferies LLC | Societe Generale |
| Blaylock Beal Van LLC | Kinecta Federal Credit Union | State Bank of India (California) |
| BNP Paribas Securities Corp. | Loop Capital Markets LLC | Stifel Nicolaus and Co. Inc. |
| California Bank of Commerce | Malaga Bank, FSB | Summit State Bank |
| California United Bank | Manufacturers Bank | Sutter Securities Inc. |
| CastleOak Securities LP | Mechanics Bank | TD Securities (USA) LLC |
| Cathay Bank | Merchants National Bank of Sacramento | Toyota Motor Credit Corp. |
| Central Valley Community Bank | Merrill Lynch, Pierce, Fenner \& Smith Inc. | Trans-Pacific National Bank |
| CIBC World Markets Corp. | Mesirow Financial Inc. | Travis Credit Union |
| Citigroup Global Markets Inc. | Metropolitan Bank | Tri Counties Bank |
| Citizens Business Bank | MFR Securities Inc. | Tullet Prebon |
| Comerica Bank | Mischler Financial Group, Inc. | UBS Securities LLC |
| CommerceWest Bank | Mission Federal Credit Union | Umpqua Bank |
| Commonwealth Business Bank | Mission Valley Bank | UnionBanc Investment Services |
| Community 1st Bank | Mizuho Securities USA Inc. | Uniti Bank |
| Community Bank | Morgan Stanley \& Co. LLC | US Bancorp Investments Inc. |
| Community Bank of the Bay | MUFG Union, NA | Wells Fargo Bank NA |
| Community Business Bank | Muriel Siebert \& Co. Inc. | Wescom Central Credit Union |
| Community West Bank | New Omni Bank, NA | Westamerica Bank |
| Credit Suisse Securities USA LLC | Oak Valley Community Bank | Western Alliance Bank |
| CTBC Bank Corp (USA) | Open Bank | Williams Capital Group LP (The) |
| Daiwa Capital Markets America Inc. | Opus Bank | Wilshire Bank |
| Drexel Hamilton LLC | Pacific Alliance Bank | Woori America Bank |
|  | Pacific City Bank |  |

## 2. Local Agency Investment Fund

## PROGRAM SUMMARY

The Local Agency Investment Fund (LAIF) was established by Chapter 730, Statutes of 1976 This fund enables local governmental agencies or trustees to remit money not required for immediate needs to the State Treasurer for the purpose of investment In order to derive the maximum rate of return possible, the State Treasurer has elected to invest these monies as a part of the PMIA

Each participating agency determines the length of time its money will be on deposit with the State Treasurer with the exception of bond proceeds, which must remain for a minimum of 30 days At the end of each quarter, all earnings derived from investments are distributed by the State Controller to the participating government agencies in proportion to each agency's respective amounts deposited in the LAIF and the length of time such amounts remained in LAIF Prior to the distribution, the state's reasonable costs of administering the program are deducted from the earnings As of June 30, 2015, there were 2,488 participants in the LAIF consisting of 53 counties, 474 cities, 1,599 special districts, 266 trustees and 96 bond accounts

FISCAL YEAR IN REVIEW
Resources
\$20.18 billion per day on average

| Earnings | $\$ 52.51$ million |
| :--- | ---: |
| Earning Rate | 0.27 percent |

LOCAL AGENCY INVESTMENT FUND PARTICIPATION AS OF 6/30/15, 2,488 AGENCIES


## 3. Surplus Money Investment Fund

## PROGRAM SUMMARY

The Surplus Money Investment Fund (SMIF) consists of the available cash of all special funds which do not have their own investment authority, and all or a portion of the available cash of special funds having investment authority of their own, but which have elected to be included in the program Cash balances in excess of needs in any of these participating funds are invested by the State Treasurer

The PMIB determines whether any cash balances of the participating funds exceed current needs and are available for investment, or whether it is necessary to liquidate previous investments to meet current requirements This determination is performed operationally by the State Controller by means of a continuing review of the cash balances of the participating funds

As a result of these determinations, the State Controller prepares a document for the PMIB's approval which authorizes it to increase or decrease the invested balances of the applicable funds

All of the resources of the SMIF are invested through the PMIA Prior to Fiscal Year 1967-68, the SMIF was a separate
investment program In 1967, legislation was enacted (Chapter 505, Statutes of 1967) which required that money in the SMIF be invested through the PMIA This legislation further provided that the SMIF would share in the interest earnings of the PMIA based on the ratio of the dollar-day contributions of the SMIF to the dollar-day investments of the PMIA

This legislation increased the potential investment earnings for both programs, since their high and low resource periods tend to complement each other Consequently, under normal market conditions, more long-term, higher yielding securities may be purchased

There were more than a thousand special funds and accounts participating in the SMIF as of June 30, 2015 Their combined deposits totaled $\$ 34535$ billion Total resources for SMIF were $\$ 34440$ billion per quarter

Gross earnings totaled $\$ 82812$ million for Fiscal Year 2014-15 This represents an earning rate of 027 percent for this investment program SMIF earnings are computed on a dollar-day basis to guarantee equitable distribution among all member funds and apportioned quarterly by the State Controller

RESOURCES OF SMIF BY MONTH-END, FISCAL YEAR 2014.15 (\$ in millions)


# 4. Centralized Treasury and Securities Management 

Investments of the PMIA are made from money flowing through the State Treasurer's non-interest bearing demand accounts, which are maintained with eight banks for the purpose of providing necessary statewide depository coverage for the remittance of funds collected by the various state agencies These bank accounts are managed by the Centralized Treasury and Securities Management Division (CTSMD), which oversees all banking aspects of the Centralized Treasury System (CTS) The goals of the CTSMD are to maximize the earning of interest consistent with safe and prudent treasury management and to ensure that the depository banks provide the state with proper and adequate security for the deposit of state monies

Within CTSMD, Securities and Banking Services (SBS) manages the demand account banking functions (through which more than $\$ 2$ trillion flows through each year), meets the cash liquidity needs of all state agencies and departments, and ensures that all idle funds are invested daily It accomplishes this by forecasting agency revenue collections and disbursements and their impact on the Pooled Money Investment Account and using compensating balances to allow for the variances in cash flow that are a natural consequence when forecasting the movement of cash During the fiscal year, the balances allowed for banking services represent compensation for handling 336,079 bank deposits, 362 million checks deposited, 91,840 dishonored checks, $\$ 768$ million in currency and coin deposited, and 745 million warrants paid

In addition, SBS clears and settles securities purchased and sold for investment by the State Treasurer for the PMIA and other active investment funds The SBS also clears and settles securities pledged to the state for certain agencies or departments, including the Department of Insurance and the Employment Development Depart-
ment SBS managed more than $\$ 996$ billion in investment and pledged securities consisting of 8,457 positions for 1,386 accounts; 132 million shares of stock for two State Compensation Insurance Fund programs; and 248 time deposits representing $\$ 544$ billion for 72 financial institutions in the Time Deposit Program During the fiscal year, SBS cleared and settled approximately 51,000 transaction items totaling \$336 9 billion and 90 million shares of stock

Also within CTSMD, Banking Operations (BO) administers, clears and settles securities pledged as collateral by California financial institutions to the state for the Time Deposit, Demand, and State Agency programs It ensures that all collected funds on deposit are collateralized in accordance with state law BO managed more than $\$ 10$ billion in securities consisting of 2,217 positions for 80 financial institutions During the fiscal year, it cleared and settled approximately 15,000 security transactions totaling $\$ 28$ billion BO administers the safekeeping of items in the State Treasurer's Office vault, completing approximately 600 transactions annually, and holding 16,000 items It is responsible for the custody and protection of securities and items inside the vault as well as the physical security of the vault

BO also redeems all items presented by banks for payment (about 400,000 items daily), handles forgeries, and manages stop payments It reconciles deposits made by various state agencies and departments into the CTS accounts as set up by the Treasurer, ensuring that all financial activities are accurately and timely posted by the state depository banks In addition, BO manages the Electronic Funds Transfer collection and miscellaneous sort/pre-sort deposit programs, under which the state collected almost $\$ 185$ billion during the fiscal year

SCHEDULE OF BANKING SERVICES, FISCAL YEAR 2014-15

| non-eft Contract services | Approved Charges | Actual Volume | Actual Cost |
| :---: | :---: | :---: | :---: |
| Encoded Checks Deposited |  |  |  |
| Encoded Checks On Us | \$0.04 | 4 | \$0.16 |
| ICL Encoded On Us | \$0.03 | 15,165,750 | \$454,973 |
| Encoded Checks Other | \$0.053 | 737,797 | \$39,103 |
| ICL Encoded Other | \$0.03 | 366,166 | \$10,985 |
| ICL Encoded Other (Misc Sort) | \$0.01 | 9,744,431 | \$97,444 |
| Remote Site Checks | \$0.05 | 2,332,851 | \$116,643 |
| Non-Encoded Checks Deposited |  |  |  |
| Non-Encoded Checks | \$0.09 | 7,873,145 | \$708,583 |
| Warrants | \$0.01 | 74,476,047 | \$744,760 |
| Checks Paid | \$0.12 | 270 | \$32 |
| Other |  |  |  |
| Dishonored Checks | \$6.20 | 91,840 | \$568,154 |
| Regular Deposits | \$1.40 | 121,609 | \$170,253 |
| Split Bag Deposits | \$0.55 | 136,998 | \$75,349 |
| Electronic Deposits (ICL, RSD) | \$1.00 | 77,472 | \$77,472 |
| Coin Deposited | \$0.011 | 156,802 | \$1,725 |
| Currency and Coin Deposited | \$0.00105 | 767,968,478 | \$806,367 |
| ACH Transactions | \$0.01 | 290,463 | \$2,905 |
| Direct Billed Services |  |  | \$499,810 |
| SUBTOTAL NON-EFT CONTRACT SER |  |  | \$4,374,557 |

EFT CONRACT SERVICES (DIRECT BILLED)

| ACH CREDITS | $\$ 0.02$ | $6,147,444$ | $\$ 129,096$ |
| :--- | :---: | :---: | :---: |
| ACH DEBITS | $\$ 0.50$ | $2,174,645$ | $\$ 1,087,323$ |
| Category II Items Processed | $\$ 0.02$ | $10,580,310$ | $\$ 158,705$ |
| RETURNED/REJECTED Items | $\$ 2.50$ | 177,195 | $\$ 442,988$ |
| Other transactions | Various | 157,409 | $\$ 186,174$ |
| SUBTOTAL EFT CONTRACT SERVICES SERVICES |  |  | $\$ 2,004,285$ |
| TOTAL BANKING SERVICES |  |  | $\$ 6,378,842$ |

## AVERAGE DAILY BALANCE IN DEMAND BANK ACCOUNTS, FISCAL YEAR 2014-15 (\$ in thousands)

| Month | Bank Balance <br> Required for <br> Banking Services | Bank Balance <br> Required for <br> Uncollected Funds | Less Net <br> Delayed Deposit <br> Credit | Bank Balance <br> Prescribed by <br> PMIB | Actual <br> Average Daily <br> Bank Balance |
| :--- | :---: | :---: | :---: | :---: | :---: |
| July 2014 | $\$ 2,033,481$ | $\$ 83,495$ | $\$ 4,213$ | $\$ 2,112,763$ | $\$ 2,116,991$ |
| August | $\$ 2,123,373$ | $\$ 60,669$ | $\$ 1,907$ | $\$ 2,182,134$ | $\$ 2,181,333$ |
| September | $\$ 1,954,847$ | $\$ 80,965$ | $\$ 2,008$ | $\$ 2,033,804$ | $\$ 2,039,520$ |
| October | $\$ 1,916,007$ | $\$ 52,404$ | $\$ 2,197$ | $\$ 1,966,214$ | $\$ 1,961,723$ |
| November | $\$ 1,901,892$ | $\$ 78,383$ | $\$ 2,453$ | $\$ 1,977,823$ | $\$ 1,951,513$ |
| December | $\$ 1,971,760$ | $\$ 77,177$ | $\$ 2,956$ | $\$ 2,045,981$ | $\$ 2,076,185$ |
| January 2015 | $\$ 2,063,734$ | $\$ 50,449$ | $\$ 2,953$ | $\$ 2,111,230$ | $\$ 2,092,250$ |
| February | $\$ 2,034,944$ | $\$ 89,106$ | $\$ 2,747$ | $\$ 2,121,303$ | $\$ 2,137,296$ |
| March | $\$ 1,954,009$ | $\$ 58,390$ | $\$ 1,737$ | $\$ 2,010,662$ | $\$ 1,997,438$ |
| April | $\$ 2,503,747$ | $\$ 54,912$ | $\$ 4,482$ | $\$ 2,554,177$ | $\$ 2,586,856$ |
| May | $\$ 2,073,969$ | $\$ 85,543$ | $\$ 2,895$ | $\$ 2,156,616$ | $\$ 2,130,756$ |
| June | $\$ 2,590,219$ | $\$ 69,472$ | $\$ 1,955$ | $\$ 2,657,737$ | $\$ 2,658,077$ |
| WEIGHTED AVERAGE | $\$ 2,092,400$ | $\$ 69,915$ | $\$ 2,708$ | $\$ 2,159,606$ | $\$ 2,159,398$ |

AVERAGE DAILY BALANCE IN DEMAND BANK ACCOUNTS, FISCAL YEAR 2014-15 (\$ in millions)


## Appendix A

| POOLED MONEY INVESTMENT ACCOUNT SUMMARY OF INVESTMENTS AND EARNINGS (\$ in thousands) |  |  |  |
| :---: | :---: | :---: | :---: |
| Fiscal Year | Average Investment Portfolio | Earnings | Annual <br> Earnings <br> Rate (\%) |
| 1956-57 | \$393,742 | \$9,573 | 2.43 |
| 1957.58 | \$594,306 | \$16,421 | 2.76 |
| 1958-59 | \$544,868 | \$15,762 | 2.89 |
| 1959-60 | \$614,835 | \$21,045 | 3.42 |
| 1960-61 | \$736,204 | \$28,139 | 3.82 |
| 1961.62 | \$867,144 | \$26,521 | 3.06 |
| 1962-63 | \$910,863 | \$30,548 | 3.35 |
| 1963-64 | \$896,535 | \$32,519 | 3.63 |
| 1964-65 | \$966,592 | \$38,004 | 3.93 |
| 1965-66 | \$1,083,347 | \$47,761 | 4.41 |
| 1966-67 | \$1,057,800 | \$52,540 | 4.97 |
| 1967-68 | \$1,117,717 | \$56,566 | 5.06 |
| 1968 -69 | \$1,301,302 | \$78,174 | 6.01 |
| 1969-70 | \$1,216,414 | \$84,781 | 6.97 |
| 1970-71 | \$1,264,894 | \$77,527 | 6.13 |
| 1971-72 | \$1,397,494 | \$68,350 | 4.89 |

POOLED MONEY INVESTMENT ACCOUNT
SUMMARY OF INVESTMENTS AND EARNINGS
(\$ in thousands), CONTINUED

| Fiscal <br> Year | Average <br> Investment <br> Portfolio | Earnings | Annual <br> Earnings <br> Rate (\%) |
| :---: | :---: | :---: | :---: |
| $1972-73$ | $\$ 2,254,401$ | $\$ 125,116$ | 5.55 |
| $1973-74$ | $\$ 2,594,629$ | $\$ 232,780$ | 8.97 |
| $1974-75$ | $\$ 2,749,431$ | $\$ 238,298$ | 8.67 |
| $1975 \cdot 76$ | $\$ 3,209,143$ | $\$ 204,303$ | 6.37 |
| $1976-77$ | $\$ 4,460,487$ | $\$ 261,657$ | 5.87 |
| $1977-78$ | $\$ 6,843,940$ | $\$ 458,625$ | 6.70 |
| $1978-79$ | $\$ 8,123,266$ | $\$ 692,417$ | 8.52 |
| $1979 \cdot 80$ | $\$ 8,285,941$ | $\$ 873,469$ | 10.54 |
| $1980-81$ | $\$ 7,298,693$ | $\$ 786,877$ | 10.78 |
| $1981 \cdot 82$ | $\$ 5,234,524$ | $\$ 631,968$ | 12.07 |
| $1982-83$ | $\$ 5,254,589$ | $\$ 549,229$ | 10.45 |
| $1983-84$ | $\$ 7,094,849$ | $\$ 738,462$ | 10.41 |
| $1984-85$ | $\$ 11,903,660$ | $\$ 1,275,503$ | 10.72 |
| $1985-86$ | $\$ 15,438,406$ | $\$ 1,401,990$ | 9.08 |
| $1986-87$ | $\$ 19,167,196$ | $\$ 1,425,047$ | 7.43 |
| $1987-88$ | $\$ 17,628,558$ | $\$ 1,388,074$ | 7.87 |

POOLED MONEY INVESTMENT ACCOUNT SUMMARY OF INVESTMENTS AND EARNINGS ( $\$$ in thousands), CONTINUED

| Fiscal <br> Year | Average <br> Investment <br> Portfolio | Earnings | Annual <br> Earnings <br> Rate (\%) |
| :---: | :---: | :---: | :---: |
| $1988-89$ | $\$ 17,496,405$ | $\$ 1,516,767$ | 8.67 |
| $1989-90$ | $\$ 19,558,775$ | $\$ 1,692,905$ | 8.66 |
| $1990-91$ | $\$ 20,754,895$ | $\$ 1,663,140$ | 8.01 |
| $1991-92$ | $\$ 21,456,433$ | $\$ 1,329,476$ | 6.20 |
| $1992-93$ | $\$ 23,051,543$ | $\$ 1,085,126$ | 4.71 |
| $1993-94$ | $\$ 25,433,078$ | $\$ 1,115,660$ | 4.39 |
| $1994-95$ | $\$ 26,802,123$ | $\$ 1,482,574$ | 5.53 |
| $1995-96$ | $\$ 26,623,196$ | $\$ 1,519,020$ | 5.71 |
| $1996-97$ | $\$ 28,264,069$ | $\$ 1,582,443$ | 5.60 |
| $1997-98$ | $\$ 29,344,512$ | $\$ 1,672,382$ | 5.70 |
| $1998-99$ | $\$ 33,451,088$ | $\$ 1,787,765$ | 5.34 |
| $1999-00$ | $\$ 35,029,034$ | $\$ 1,999,483$ | 5.71 |
| $2000-01$ | $\$ 43,840,421$ | $\$ 2,676,158$ | 6.10 |
| $2001-02$ | $\$ 49,827,077$ | $\$ 1,716,545$ | 3.45 |

## Appendix B

| HISTORICAL PMIA YIELDS (\% per year) |  |  |  |
| :---: | :---: | :---: | :---: |
| Date | Annual <br> Average | Allocation Rate |  |
|  |  | LAIF Quarterly | SMIF <br> Semi-Annual |
| Mar-77 |  | 5.68 |  |
| Jun-77 | 5.87 | 5.78 | 5.79 |
| Sep-77 |  | 5.84 |  |
| Dec-77 |  | 6.45 | 6.18 |
| Mar-78 |  | 6.97 |  |
| Jun-78 | 6.70 | 7.35 | 7.17 |
| Sep-78 |  | 7.86 |  |
| Dec-78 |  | 8.32 | 8.09 |
| Mar-79 |  | 8.81 |  |
| Jun-79 | 8.52 | 9.10 | 8.98 |
| Sep-79 |  | 9.26 |  |
| Dec-79 |  | 10.06 | 9.66 |
| Mar-80 |  | 11.11 |  |
| Jun-80 | 10.54 | 11.54 | 11.38 |
| Sep-80 |  | 10.01 |  |

## HISTORICAL PMIA YIELDS (\% per year), CONTINUED

| Date | Annual <br> Average | Allocation Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | LAIF Quarterly | SMIF <br> Semi-Annual |
| Dec-80 |  | 10.47 | 10.21 |
| Mar-81 |  | 11.23 |  |
| Jun-81 | 10.78 | 11.68 | 11.69 |
| Sep-81 |  | 12.40 |  |
| Dec-81 |  | 11.91 | 12.19 |
| Mar-82 |  | 11.82 |  |
| Jun-82 | 12.07 | 11.99 | 11.93 |
| Sep-82 |  | 11.74 |  |
| Dec-82 |  | 10.71 | 11.26 |
| Mar-83 |  | 9.87 |  |
| Jun-83 | 10.45 | 9.64 | 9.98 |
| Sep-83 |  | 10.04 |  |
| Dec-83 |  | 10.18 | 10.15 |
| Mar-84 |  | 10.32 |  |
| Jun-84 | 10.41 | 10.88 | 10.63 |

## HISTORICAL PMIA YIELDS <br> (\% per year), CONTINUED

| Date | Annual <br> Average | Allocation Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | LAIF Quarterly | SMIF Semi-Annual |
| Sep-84 |  | 11.53 |  |
| Dec-84 |  | 11.41 | 11.44 |
| Mar-85 |  | 10.32 |  |
| Jun-85 | 10.72 | 9.98 | 10.19 |
| Sep-85 |  | 9.54 |  |
| Dec-85 |  | 9.43 | 9.50 |
| Mar-86 |  | 9.09 |  |
| Jun-86 | 9.08 | 8.39 | 8.70 |
| Sep-86 |  | 7.81 |  |
| Dec-86 |  | 7.48 | 7.65 |
| Mar-87 |  | 7.24 |  |
| Jun-87 | 7.44 | 7.21 | 7.23 |
| Sep-87 |  | 7.54 |  |
| Dec-87 |  | 7.97 | 7.80 |
| Mar-88 |  | 8.01 |  |
| Jun-88 | 7.87 | 7.87 | 7.95 |
| Sep-88 |  | 8.20 |  |
| Dec-88 |  | 8.45 | 8.34 |
| Mar-89 |  | 8.76 |  |
| Jun-89 | 8.67 | 9.13 | 8.97 |
| Sep-89 |  | 8.87 |  |
| Dec-89 |  | 8.68 | 8.78 |
| Mar-90 |  | 8.52 |  |
| Jun-90 | 8.66 | 8.50 | 8.52 |
| Sep-90 |  | 8.39 |  |
| Dec-90 |  | 8.27 | 8.34 |

HISTORICAL PMIA YIELDS
(\% per year), CONTINUED

| Date | Annual <br> Average | Allocation Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | LAIF Quarterly | SMIF Semi-Annual |
| Mar-91 |  | 7.97 |  |
| Jun-91 | 8.01 | 7.38 | 7.67 |
| Sep-91 |  | 7.00 |  |
| Dec-91 |  | 6.52 | 6.74 |
| Mar-92 |  | 5.87 |  |
| Jun-92 | 6.20 | 5.45 | 5.65 |
| Sep-92 |  | 4.97 |  |
| Dec-92 |  | 4.67 | 4.82 |
| Mar-93 |  | 4.64 |  |
| Jun-93 | 4.71 | 4.51 | 4.61 |
| Sep-93 |  | 4.44 |  |
| Dec-93 |  | 4.36 | 4.39 |
| Mar-94 |  | 4.25 |  |
| Jun-94 | 4.39 | 4.45 | 4.36 |
| Sep-94 |  | 4.96 |  |
| Dec-94 |  | 5.37 | 5.15 |
| Mar-95 |  | 5.76 |  |
| Jun-95 | 5.53 | 5.98 | 5.87 |
| Sep-95 |  | 5.89 |  |
| Dec-95 |  | 5.76 | 5.83 |
| Mar-96 |  | 5.62 |  |
| Jun-96 | 5.71 | 5.52 | 5.56 |
| Sep-96 |  | 5.57 |  |
| Dec-96 |  | 5.58 | 5.57 |
| Mar-97 |  | 5.56 |  |
| Jun-97 | 5.59 | 5.63 | 5.59 |

## HISTORICAL PMIA YIELDS <br> (\% per year), CONTINUED

| Date | Annual <br> Average | Allocation Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | LAIF Quarterly | SMIF Semi-Annual |
| Sep-97 |  | 5.68 |  |
| Dec-97 |  | 5.71 | 5.69 |
| Mar-98 |  | 5.70 |  |
| Jun-98 | 5.70 | 5.66 | 5.67 |
| Sep-98 |  | 5.64 |  |
| Dec-98 |  | 5.46 | 5.55 |
| Mar-99 |  | 5.19 |  |
| Jun-99 | 5.34 | 5.08 | 5.13 |
| Sep-99 |  | 5.21 |  |
| Dec-99 |  | 5.49 | 5.34 |
| Mar-00 |  | 5.80 |  |
| Jun-00 | 5.71 | 6.18 | 5.99 |
| Sep-00 |  | 6.47 |  |
| Dec-00 |  | 6.52 | 6.49 |
| Mar-01 |  | 6.16 |  |
| Jun-01 | 6.10 | 5.32 | 5.73 |
| Sep-01 |  | 4.47 |  |
| Dec-01 |  | 3.52 | 3.99 |
| Mar-02 |  | 2.96 |  |
| Jun-02 | 3.45 | 2.75 | 2.85 |
| Sep-02 |  | 2.63 |  |
| Dec-02 |  | 2.31 | 2.47 |
| Mar-03 |  | 1.98 |  |
| Jun-03 | 2.15 | 1.77 | 1.86 |
| Sep-03 |  | 1.63 |  |
| Dec-03 |  | 1.56 | 1.59 |

HISTORICAL PMIA YIELDS (\% per year), CONTINUED

| Date | Annual <br> Average | Allocation Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | LAIF Quarterly | SMIF Quarterly* |
| Mar-04 |  | 1.47 | 1.47 |
| Jun-04 | 1.53 | 1.44 | 1.44 |
| Sep-04 |  | 1.67 | 1.67 |
| Dec-04 |  | 2.00 | 2.00 |
| Mar-05 |  | 2.38 | 2.37 |
| Jun-05 | 2.26 | 2.85 | 2.85 |
| Sep-05 |  | 3.18 | 3.18 |
| Dec-05 |  | 3.63 | 3.63 |
| Mar-06 |  | 4.03 | 4.03 |
| Jun-06 | 3.87 | 4.53 | 4.53 |
| Sep-06 |  | 4.93 | 4.93 |
| Dec-06 |  | 5.11 | 5.11 |
| Mar-07 |  | 5.17 | 5.17 |
| Jun-07 | 5.12 | 5.23 | 5.23 |
| Sep-07 |  | 5.24 | 5.24 |
| Dec-07 |  | 4.96 | 4.96 |
| Mar-08 |  | 4.18 | 4.17 |
| Jun-08 | 4.33 | 3.11 | 3.11 |
| Sep-08 |  | 2.77 | 2.77 |
| Dec-08 |  | 2.54 | 2.53 |
| Mar-09 |  | 1.91 | 1.90 |
| Jun-09 | 2.22 | 1.51 | 1.51 |
| Sep-09 |  | 0.90 | 0.89 |
| Dec-09 |  | 0.60 | 0.59 |
| Mar-10 |  | 0.56 | 0.55 |
| Jun-10 | 0.65 | 0.56 | 0.56 |

## HISTORICAL PMIA YIELDS <br> (\% per year), CONTINUED

| Date | Annual <br> Average | Allocation Rate |  |
| :---: | :---: | :---: | :---: |
|  |  | LAIF Quarterly | SMIF Quarterly* |
| Sep-10 |  | 0.51 | 0.50 |
| Dec-10 |  | 0.46 | 0.46 |
| Mar-11 |  | 0.51 | 0.51 |
| Jun-11 | 0.50 | 0.48 | 0.48 |
| Sep-11 |  | 0.38 | 0.38 |
| Dec-11 |  | 0.38 | 0.38 |
| Mar-12 |  | 0.38 | 0.37 |
| Jun-12 | 0.38 | 0.36 | 0.36 |
| Sep-12 |  | 0.35 | 0.35 |
| Dec-12 |  | 0.32 | 0.32 |
| Mar-13 |  | 0.28 | 0.28 |
| Jun-13 | 0.31 | 0.24 | 0.25 |
| Sep-13 |  | 0.26 | 0.25 |
| Dec-13 |  | 0.26 | 0.25 |
| Mar-14 |  | 0.23 | 0.22 |
| Jun-14 | 0.25 | 0.22 | 0.23 |
| Sep-14 |  | 0.24 | 0.23 |
| Dec-14 |  | 0.25 | 0.25 |
| Mar-15 |  | 0.26 | 0.25 |
| Jun-15 | 0.27 | 0.28 | 0.28 |

*Effective January 1, 2004, SMIF earnings are allocated quarterly.


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