|  |  | FY2018 |  | FY2017 |  | FY2016 |  | FY2015 |  | FY2014 |  | FY2013 |  | FY2012 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 4,650 |  | 4,579 |  | 4,521 |  | 4,449 |  | 4,504 |  | 4,384 |  | 4,276 |
| Service Retirees |  | 2,736 |  | 2,576 |  | 2,426 |  | 2,292 |  | 2,075 |  | 1,920 |  | 1,773 |
| Disabilitants |  | 297 |  | 292 |  | 284 |  | 279 |  | 268 |  | 258 |  | 244 |
| Survivors |  | 226 |  | 216 |  | 208 |  | 198 |  | 174 |  | 196 |  | 180 |
| Deferred Retirees |  | 1,347 |  | 1,310 |  | 1,316 |  | 1,276 |  | 1,232 |  | 1,196 |  | 1,180 |
| Nonvested Former Members |  | 843 |  | 818 |  | 661 |  | 531 |  | 384 |  | 413 |  | 473 |
| Total Membership |  | 10,099 |  | 9,791 |  | 9,416 |  | 9,025 |  | 8,637 |  | 8,367 |  | 8,126 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$1,490,521,000 |  | \$1,414,443,000 |  | \$1,313,516,000 |  | \$1,239,258,000 |  | \$1,122,474,000 |  | \$1,026,098,000 |  | \$968,166,000 |
| Current Assets |  | \$1,092,719,000 |  | \$1,013,173,000 |  | \$937,000,000 |  | \$878,624,000 |  | \$790,304,000 |  | \$701,091,000 |  | \$663,713,000 |
| Unfunded Accrued Liability Funding Ratio | 73.31\% | \$397,802,000 | 71.63\% | \$401,270,000 | 71.34\% | \$376,516,000 | 70.90\% | \$360,634,000 | 70.41\% | \$332,170,000 | 68.33\% | \$325,007,000 | 68.55\% | \$304,453,000 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$267,975,000 |  | \$258,003,000 |  | \$247,876,000 |  | \$235,436,000 |  | \$227,008,000 |  | \$212,972,000 |  | \$212,056,000 |
| Benefits Payable |  | \$67,622,000 |  | \$63,221,000 |  | \$59,045,000 |  | \$54,909,000 |  | \$50,842,000 |  | \$46,226,000 |  | \$42,571,000 |
| Normal Cost | 16.76\% | \$44,912,000 | 16.62\% | \$42,880,000 | 16.32\% | \$40,455,000 | 16.43\% | \$38,682,000 | 16.10\% | \$36,548,000 | 15.60\% | \$33,223,000 | 15.66\% | \$33,206,000 |
| Administrative Expenses | 0.32\% | \$858,000 | 0.35\% | \$903,000 | 0.38\% | \$942,000 | 0.32\% | \$753,000 | 0.31\% | \$704,000 | 0.33\% | \$703,000 | 0.27\% | \$573,000 |
| Amortiz. of Unfunded Liab.^ | 8.69\% | \$23,287,000 | 11.43\% | \$29,490,000 | 10.86\% | \$26,919,000 | 10.66\% | \$25,097,000 | 10.02\% | \$22,746,000 | 10.18\% | \$21,681,000 | 9.35\% | \$19,827,000 |
| Total Requirements | 25.77\% | \$69,057,000 | 28.40\% | \$73,273,000 | 27.56\% | \$68,316,000 | 27.41\% | \$64,532,000 | 26.43\% | \$59,998,000 | 26.11\% | \$55,607,000 | 25.28\% | \$53,606,000 |
| Employee Contributions | 9.60\% | \$25,726,000 | 9.10\% | \$23,478,000 | 9.10\% | \$22,557,000 | 9.10\% | \$21,425,000 | 9.10\% | \$20,658,000 | 8.60\% | \$18,316,000 | 8.60\% | \$18,237,000 |
| Employer Contributions | 14.40\% | \$38,588,000 | 12.85\% | \$33,153,000 | 12.85\% | \$31,852,000 | 12.85\% | \$30,254,000 | 12.85\% | \$29,171,000 | 12.10\% | \$25,770,000 | 12.10\% | \$25,659,000 |
| Employer Add'I Cont. | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Contributions | 24.00\% | \$64,314,000 | 21.95\% | \$56,631,000 | 21.95\% | \$54,409,000 | 21.95\% | \$51,679,000 | 21.95\% | \$49,829,000 | 20.70\% | \$44,086,000 | 20.70\% | \$43,896,000 |
| Total Requirements | 25.77\% | \$69,057,000 | 28.40\% | \$73,273,000 | 27.56\% | \$68,316,000 | 27.41\% | \$64,532,000 | 26.43\% | \$59,998,000 | 26.11\% | \$55,607,000 | 25.28\% | \$53,606,000 |
| Total Contributions | 24.00\% | \$64,314,000 | 21.95\% | \$56,631,000 | 21.95\% | \$54,409,000 | 21.95\% | \$51,679,000 | 21.95\% | \$49,829,000 | 20.70\% | \$44,086,000 | 20.70\% | \$43,896,000 |
| Sufficiency/(Deficiency) | (1.77\%) | (\$4,743,000) | (6.45\%) | (\$16,642,000) | (5.61\%) | \$13,907,000 | (5.46\%) | \$12,853,000 | (4.48\%) | \$10,169,000 | (5.41\%) | (\$11,521,000) | (4.58\%) | (\$9,710,000) |
| Amortization Target Date | 2048 |  | 2038 |  | 2038 |  | 2038 |  | 2038 |  | 2038 |  | 2038 |  |
| Actuary | GRS |  | GRS |  | GRS |  | GRS |  | GRS |  | GRS |  | GRS |  |
| ${ }^{\wedge}$ Amortization of the unfunded actuarial accrued liability (UAAL) to the amortization target date. | The information set forth in this report is a compilation of data taken from actuarial valuation reports prepared by each plan's actuary. The LCPR or its staff do not warrant or guarantee its accuracy, reliability or completeness. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| See disclaimer on first page. |  |  |  |  |  | Pag |  |  |  | Actua | ial Valuation | Data.xlsx (MSRS- | Correctional | I) Updated 7/2/2019 |


|  | FY2011 |  | FY2010 |  | FY2009 |  | FY2008 |  | FY2007 |  | FY2006 |  | 2005 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 4,322 |  | 4,268 |  | 4,403 |  | 4,520 |  | 4,332 |  | 3,910 |  | 3,607 |
| Service Retirees |  | 1,621 |  | 1,505 |  | 1,381 |  | 1,293 |  | 1,210 |  | 1,101 |  | 1,025 |
| Disabilitants |  | 230 |  | 206 |  | 194 |  | 184 |  | 174 |  | 168 |  | 150 |
| Survivors |  | 165 |  | 148 |  | 134 |  | 123 |  | 118 |  | 106 |  | 104 |
| Deferred Retirees |  | 1,035 |  | 993 |  | 949 |  | 888 |  | 851 |  | 817 |  | 738 |
| Nonvested Former Members |  | 501 |  | 585 |  | 626 |  | 548 |  | 494 |  | 388 |  | 351 |
| Total Membership |  | 7,874 |  | 7,705 |  | 7,687 |  | 7,556 |  | 7,179 |  | 6,490 |  | 5,975 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$907,012,000 |  | \$851,086,000 |  | \$821,250,000 |  | \$760,363,000 |  | \$708,291,710 |  | \$647,480,269 |  | \$546,117,680 |
| Current Assets |  | \$637,027,000 |  | \$603,863,000 |  | \$590,339,000 |  | \$572,719,000 |  | \$559,851,700 |  | \$535,356,819 |  | \$503,573,272 |
| Unfunded Accrued Liability Funding Ratio | 70.23\% | \$269,985,000 | 70.95\% | \$247,223,000 | 71.88\% | \$230,911,000 | 75.32\% | \$187,644,000 | 79.04\% | \$148,440,010 | 82.68\% | \$112,123,450 | 92.21\% | \$42,544,408 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$205,608,000 |  | \$205,574,000 |  | \$208,388,000 |  | \$205,537,000 |  | \$187,309,014 |  | \$162,744,640 |  | \$147,385,402 |
| Benefits Payable |  | \$39,116,000 |  | \$36,078,000 |  | \$33,239,000 |  | \$30,932,000 |  | \$28,564,915 |  | \$26,506,726 |  | \$19,025,766 |
| Normal Cost | 17.89\% | \$36,793,000 | 18.09\% | \$37,188,000 | 18.22\% | \$37,970,000 | 18.24\% | \$37,500,000 | 17.68\% | \$33,124,289 | 17.69\% | \$28,786,714 | 15.01\% | \$22,111,459 |
| Administrative Expenses | 0.17\% | \$350,000 | 0.22\% | \$452,000 | 0.20\% | \$417,000 | 0.22\% | \$452,000 | 0.22\% | \$412,080 | 0.21\% | \$341,764 | 0.20\% | \$294,771 |
| Amortiz. of Unfunded Liab.^ | 7.94\% | \$16,325,000 | 7.12\% | \$14,637,000 | 6.43\% | \$13,399,000 | 5.20\% | \$10,688,000 | 6.54\% | \$12,250,010 | 5.44\% | \$8,853,309 | 2.50\% | \$3,684,635 |
| Total Requirements | 26.00\% | \$53,468,000 | 25.43\% | \$52,277,000 | 24.85\% | \$51,786,000 | 23.66\% | \$48,640,000 | 24.44\% | \$45,786,379 | 23.34\% | \$37,981,787 | 17.71\% | \$26,090,865 |
| Employee Contributions | 8.60\% | \$17,682,000 | 8.60\% | \$17,679,000 | 7.70\% | \$16,046,000 | 7.00\% | \$14,388,000 | 6.40\% | \$11,987,777 | 5.69\% | \$9,260,170 | 5.69\% | \$8,386,229 |
| Employer Contributions | 12.10\% | \$24,879,000 | 12.10\% | \$24,875,000 | 11.10\% | \$23,131,000 | 10.10\% | \$20,759,000 | 9.10\% | \$17,045,120 | 7.98\% | \$12,987,022 | 7.98\% | \$11,761,355 |
| Employer Add'l Cont. | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Contributions | 20.70\% | \$42,561,000 | 20.70\% | \$42,554,000 | 18.80\% | \$39,177,000 | 17.10\% | \$35,147,000 | 15.50\% | \$29,032,897 | 13.67\% | \$22,247,192 | 13.67\% | \$20,147,584 |
| Total Requirements | 26.00\% | \$53,468,000 | 25.43\% | \$52,277,000 | 24.85\% | \$51,786,000 | 23.66\% | \$48,640,000 | 24.44\% | \$45,786,379 | 23.34\% | \$37,981,787 | 17.71\% | \$26,090,865 |
| Total Contributions | 20.70\% | \$42,561,000 | 20.70\% | \$42,554,000 | 18.80\% | \$39,177,000 | 17.10\% | \$35,147,000 | 15.50\% | \$29,032,897 | 13.67\% | \$22,247,192 | 13.67\% | \$20,147,584 |
| Sufficiency/(Deficiency) | (5.30\%) | (\$10,907,000) | (4.73\%) | (\$9,723,000) | (6.05\%) | (\$12,609,000) | (6.56\%) | (\$13,493,000) | (8.94\%) | (\$16,753,482) | (9.67\%) | (\$15,734,595) | (4.04\%) | $(\$ 5,943,281)$ |
| Amortization Target Date | 2038 |  | 2038 |  | 2038 |  | 2038 |  | 2023 |  | 2023 |  | 2020 |  |
| Actuary | Mercer |  | Mercer |  | Mercer |  | Mercer |  | Segal |  | Segal |  | Segal |  |
| $\wedge$ Amortization of the unfunded actuarial accrued liability (UAAL) to the amortization target date. |  |  |  |  |  |  |  |  | * Reflects | Asset Valuation | Method ch |  |  |  |
| See disclaimer on first page. |  |  |  |  |  | Pag |  |  |  | Actua | al Valuation | ta.xlsx (MSRS- | Correctional | dated 7/2/2019 |


|  | 2004 |  | 2003 |  | 2002 |  | 2001 |  | 2000 |  | 1999 |  | 1998 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 3,326 |  | 3,262 |  | 3,249 |  | 3,182 |  | 3,098 |  | 2,882 |  | 2,817 |
| Service Retirees |  | 943 |  | 843 |  | 754 |  | 655 |  | 616 |  | 542 |  | 503 |
| Disabilitants |  | 154 |  | 135 |  | 115 |  | 92 |  | 75 |  | 60 |  | 49 |
| Survivors |  | 91 |  | 82 |  | 69 |  | 61 |  | 56 |  | 50 |  | 39 |
| Deferred Retirees |  | 678 |  | 601 |  | 550 |  | 483 |  | 419 |  | 337 |  | 291 |
| Nonvested Former Members |  | 339 |  | 340 |  | $\underline{268}$ |  | $\underline{220}$ |  | 163 |  | 135 |  | 114 |
| Total Membership |  | 5,531 |  | 5,263 |  | 5,005 |  | 4,693 |  | 4,427 |  | 4,006 |  | 3,813 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$524,215,028 |  | \$484,974,000 |  | \$446,426,000 |  | \$398,633,000 |  | \$359,885,000 |  | \$307,408,000 |  | \$261,869,000 |
| Current Assets |  | \$486,617,032 |  | \$470,716,000 |  | \$457,416,000 |  | \$431,134,000 |  | \$386,964,000 |  | \$335,408,000 |  | \$295,291,000 |
| Unfunded Accrued Liability Funding Ratio | 92.83\% | \$37,597,996 | 97.06\% | \$14,258,000 | 102.46\% | (\$10,990,000) | 108.15\% | (\$32,501,000) | 107.52\% | (\$27,079,000) | 109.11\% | (\$28,000,000) | 112.76\% | (\$33,422,000) |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$134,117,624 |  | \$138,518,000 |  | \$131,232,000 |  | \$127,835,000 |  | \$127,557,000 |  | \$112,202,000 |  | \$106,178,000 |
| Benefits Payable |  | \$17,265,693 |  | \$17,276,000 |  | \$17,105,000 |  | \$14,911,000 |  | \$12,414,000 |  | \$10,190,000 |  | \$8,226,000 |
| Normal Cost | 14.96\% | \$20,066,740 | 15.04\% | \$20,857,000 | 14.97\% | \$19,646,000 | 14.99\% | \$19,161,000 | 14.64\% | \$18,670,000 | 14.85\% | \$16,664,000 | 14.88\% | \$15,789,000 |
| Administrative Expenses | 0.20\% | \$268,235 | 0.22\% | \$305,000 | 0.21\% | \$276,000 | 0.19\% | \$243,000 | 0.22\% | \$281,000 | 0.15\% | \$168,000 | 0.17\% | \$181,000 |
| Amortiz. of Unfunded Liab.^ | 2.31\% | \$3,098,117 | 0.57\% | \$790,000 | (0.45\%) | (\$591,000) | (1.37\%) | (\$1,751,000) | (1.14\%) | (\$1,454,000) | (1.69\%) | (\$1,896,000) | (2.06\%) | (\$2,187,000) |
| Total Requirements | 17.47\% | \$23,433,092 | 15.83\% | \$21,952,000 | 14.73\% | \$19,331,000 | 13.81\% | \$17,653,000 | 13.72\% | \$17,497,000 | 13.31\% | \$14,936,000 | 12.99\% | \$13,783,000 |
| Employee Contributions | 5.69\% | \$7,631,293 | 5.69\% | \$7,882,000 | 5.69\% | \$7,467,000 | 5.69\% | \$7,274,000 | 5.69\% | \$7,258,000 | 5.69\% | \$6,384,000 | 5.50\% | \$5,840,000 |
| Employer Contributions | 7.98\% | \$10,702,586 | 7.98\% | \$11,054,000 | 7.98\% | \$10,472,000 | 7.98\% | \$10,201,000 | 7.98\% | \$10,179,000 | 7.98\% | \$8,954,000 | 7.70\% | \$8,176,000 |
| Employer Add'I Cont. | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Contributions | 13.67\% | \$18,333,879 | 13.67\% | \$18,936,000 | 13.67\% | \$17,939,000 | 13.67\% | \$17,475,000 | 13.67\% | \$17,437,000 | 13.67\% | \$15,338,000 | 13.20\% | \$14,016,000 |
| Total Requirements | 17.47\% | \$23,433,092 | 15.83\% | \$21,952,000 | 14.73\% | \$19,331,000 | 13.81\% | \$17,653,000 | 13.72\% | \$17,497,000 | 13.31\% | \$14,936,000 | 12.99\% | \$13,783,000 |
| Total Contributions | 13.67\% | \$18,333,879 | 13.67\% | \$18,936,000 | 13.67\% | \$17,939,000 | 13.67\% | \$17,475,000 | 13.67\% | \$17,437,000 | 13.67\% | \$15,338,000 | 13.20\% | \$14,016,000 |
| Sufficiency/(Deficiency) | (3.80\%) | (\$5,099,213) | (2.16\%) | (\$3,016,000) | (1.06\%) | (\$1,392,000) | (0.14\%) | $(\$ 178,000)$ | (0.05\%) | $(\$ 60,000)$ | 0.36\% | \$402,000 | 0.21\% | \$233,000 |
| Amortization Target Date | 2020 |  | 2032 |  | 2032 |  | 2031 |  | 2030 |  | 2020 |  | 2020 |  |
| Actuary | Segal |  | Milliman US |  | Milliman USA |  | Milliman USA |  | Milliman \& R | bertson | Milliman \& R | bertson | Milliman \& | bertson |

${ }^{\wedge}$ Amortization of the unfunded actuarial accrued liability (UAAL)
to the amortization target date.

|  | 1997 |  | 1996 |  | 1995 |  | 1994 |  | 1993 |  | 1992 |  | 1991 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 2,600 |  | 2,264 |  | 2,117 |  | 1,761 |  | 1,618 |  | 1,573 |  | 1,467 |
| Service Retirees |  | 444 |  | 413 |  | 399 |  | 393 |  | 374 |  | 363 |  | 358 |
| Disabilitants |  | 39 |  | 33 |  | 25 |  | 21 |  | 20 |  | 17 |  | 12 |
| Survivors |  | 36 |  | 27 |  | 25 |  | 17 |  | 15 |  | 14 |  | 13 |
| Deferred Retirees |  | 282 |  | 324 |  | 296 |  | 248 |  | 225 |  | 181 |  | 157 |
| Nonvested Former Members |  | $\underline{90}$ |  | 84 |  | 74 |  | 44 |  | 51 |  | 44 |  | 48 |
| Total Membership |  | 3,491 |  | 3,145 |  | 2,936 |  | 2,484 |  | 2,303 |  | 2,192 |  | 2,055 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$212,638,000 |  | \$170,959,000 |  | \$153,491,000 |  | \$152,702,000 |  | \$134,939,000 |  | \$123,515,000 |  | \$112,171,000 |
| Current Assets |  | \$241,916,000 |  | \$193,833,000 |  | \$165,427,000 |  | \$148,163,000 |  | \$135,939,000 |  | \$121,051,000 |  | \$105,926,000 |
| Unfunded Accrued Liability Funding Ratio | 113.77\% | (\$29,278,000) | 113.38\% | (\$22,874,000) | 107.78\% | (\$11,936,000) | 97.02\% | \$4,539,000 | 101.24\% | (\$1,000,000) | 98.01\% | \$2,464,000 | 94.43\% | \$6,245,000 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$91,847,000 |  | \$78,030,000 |  | \$71,022,000 |  | \$70,562,000 |  | \$60,330,000 |  | \$56,044,000 |  | \$50,821,000 |
| Benefits Payable |  | \$6,267,000 |  | \$5,460,000 |  | \$4,971,000 |  | \$4,557,000 |  | \$4,150,000 |  | \$3,773,000 |  | \$3,493,000 |
| Normal Cost | 14.34\% | \$13,162,000 | 11.05\% | \$8,622,315 | 10.96\% | \$7,784,011 | 10.81\% | \$7,627,752 | 10.82\% | \$6,527,706 | 10.74\% | \$6,019,126 | 9.81\% | \$4,985,540 |
| Administrative Expenses | 0.18\% | \$165,000 | 0.16\% | \$124,848 | 0.15\% | \$106,533 | 0.17\% | \$119,955 | 0.15\% | \$90,495 | 0.46\% | \$257,802 | 0.44\% | \$223,612 |
| Amortiz. of Unfunded Liab.^ | (2.03\%) | (\$1,864,000) | 0.00\% | \$0 | 0.00\% | \$0 | 0.32\% | \$225,798 | 0.00\% | \$0 | 0.21\% | \$117,692 | 0.57\% | \$289,680 |
| Total Requirements | 12.49\% | \$11,463,000 | 11.21\% | \$8,747,163 | 11.11\% | \$7,890,544 | 11.30\% | \$7,973,506 | 10.97\% | \$6,618,201 | 11.41\% | \$6,394,620 | 10.82\% | \$5,498,832 |
| Employee Contributions | 5.50\% | \$5,052,000 | 4.90\% | \$3,823,470 | 4.90\% | \$3,480,078 | 4.90\% | \$3,457,538 | 4.90\% | \$2,956,170 | 4.90\% | \$2,746,156 | 4.90\% | \$2,490,229 |
| Employer Contributions | 7.70\% | \$7,072,000 | 6.27\% | \$4,892,481 | 6.27\% | \$4,453,079 | 6.27\% | \$4,424,237 | 6.27\% | \$3,782,691 | 6.27\% | \$3,513,959 | 6.27\% | \$3,186,477 |
| Employer Add'I Cont. | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Contributions | 13.20\% | \$12,124,000 | 11.17\% | \$8,715,951 | 11.17\% | \$7,933,157 | 11.17\% | \$7,881,775 | 11.17\% | \$6,738,861 | 11.17\% | \$6,260,115 | 11.17\% | \$5,676,706 |
| Total Requirements | 12.49\% | \$11,463,000 | 11.21\% | \$8,747,163 | 11.11\% | \$7,890,544 | 11.30\% | \$7,973,506 | 10.97\% | \$6,618,201 | 11.41\% | \$6,394,620 | 10.82\% | \$5,498,832 |
| Total Contributions | 13.20\% | \$12,124,000 | 11.17\% | \$8,715,951 | 11.17\% | \$7,933,157 | 11.17\% | \$7,881,775 | 11.17\% | \$6,738,861 | 11.17\% | \$6,260,115 | 11.17\% | \$5,676,706 |
| Sufficiency/(Deficiency) | 0.71\% | \$661,000 | (0.04\%) | (\$31,212) | 0.06\% | \$42,613 | (0.13\%) | (\$91,731) | 0.20\% | \$120,660 | (0.24\%) | (\$134,506) | 0.35\% | \$177,873 |
| Amortization Target Date | 2020 |  | 2020 |  | 2020 |  | 2020 |  | 2020 |  | 2020 |  | 2020 |  |
| Actuary | Milliman \& | bertson | Milliman \& R | bertson | Milliman \& | bertson | Milliman \& R | bertson | Milliman \& | bertson | Milliman \& R | bertson | Milliman | Robertson |

${ }^{\wedge}$ Amortization of the unfunded
actuarial accrued liability (UAAL)
to the amortization target date.

|  | 1990 |  | 1989 |  | 1988 |  | 1987 |  | 1986 |  | 1985 |  | 1984 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Active Members |  | 1,416 |  | 1,317 |  | 1,267 |  | 1,232 |  | 1,220 |  | 1.191 |  | 1.174 |
| Service Retirees |  | 340 |  | 337 |  | 328 |  | 313 |  | 309 |  | 309 |  | 326 |
| Disabilitants |  | 9 |  | 8 |  | 6 |  | 11 |  | 11 |  | 12 |  | 0 |
| Survivors |  | 15 |  | 12 |  | 12 |  | 9 |  | 8 |  | 8 |  | 0 |
| Deferred Retirees |  | 113 |  | 58 |  | 47 |  | 43 |  | 35 |  | 30 |  | 25 |
| Nonvested Former Members |  | $\underline{45}$ |  | $\underline{57}$ |  | 80 |  | $\underline{84}$ |  | $\underline{83}$ |  | $\underline{79}$ |  | $\underline{95}$ |
| Total Membership |  | 1,938 |  | 1,789 |  | 1,740 |  | 1,692 |  | 1,666 |  | 1,629 |  | 1,620 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$102,217,000 |  | \$92,684,000 |  | \$81,454,000 |  | \$72,081,000 |  | \$59,042,000 |  | \$53,345,000 |  | \$43,887,970 |
| Current Assets |  | \$96,945,000 |  | \$85,441,000 |  | \$74,065,000 |  | \$67,488,000 |  | \$56,894,000 |  | \$48,568,000 |  | \$40,152,963 |
| Unfunded Accrued Liability Funding Ratio | 94.84\% | \$5,272,000 | 92.19\% | \$7,243,000 | 90.93\% | \$7,389,000 | 93.63\% | \$4,593,000 | 96.36\% | \$2,148,000 | 91.04\% | \$4,777,000 | 91.49\% | \$3,735,007 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$47,075,000 |  | \$41,976,000 |  | \$38,807,000 |  | \$35,155,000 |  | \$33,561,000 |  | \$31,055,000 |  | \$26,993,968 |
| Benefits Payable |  | \$3,188,000 |  | \$2,964,000 |  | \$2,678,000 |  | \$1,951,829 |  | \$1,681,000 |  | \$1,647,000 |  | \$1,942,689 |
| Normal Cost | 9.67\% | \$4,552,153 | 9.70\% | \$4,071,672 | 9.24\% | \$3,585,767 | 9.26\% | \$3,255,353 | 7.98\% | \$2,678,168 | 7.92\% | \$2,459,556 | 9.49\% | \$2,561,728 |
| Administrative Expenses | 0.56\% | \$263,620 | 0.41\% | \$172,102 | 0.30\% | \$116,421 | 0.27\% | \$94,919 | 0.27\% | \$90,615 | 0.28\% | \$86,954 | 0.18\% | \$48,589 |
| Amortiz. of Unfunded Liab.^ | 0.50\% | \$235,375 | 0.76\% | \$319,018 | 0.83\% | \$322,098 | 0.55\% | \$193,353 | 0.32\% | \$107,395 | 0.75\% | \$232,913 | 0.66\% | \$178,160 |
| Total Requirements | 10.73\% | \$5,051,148 | 10.87\% | \$4,562,791 | 10.37\% | \$4,024,286 | 10.08\% | \$3,543,624 | 8.57\% | \$2,876,178 | 8.95\% | \$2,779,423 | 10.33\% | \$2,788,477 |
| Employee Contributions | 4.90\% | \$2,306,675 | 4.90\% | \$2,056,824 | 4.90\% | \$1,901,543 | 4.90\% | \$1,722,595 | 4.90\% | \$1,644,489 | 4.90\% | \$1,521,695 | 4.90\% | \$1,322,704 |
| Employer Contributions | 6.27\% | \$2,951,603 | 8.70\% | \$3,651,912 | 8.70\% | \$3,376,209 | 8.70\% | \$3,058,485 | 8.70\% | \$2,919,807 | 8.70\% | \$2,701,785 | 8.70\% | \$2,348,475 |
| Employer Add'I Cont. | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Contributions | 11.17\% | \$5,258,278 | 13.60\% | \$5,708,736 | 13.60\% | \$5,277,752 | 13.60\% | \$4,781,080 | 13.60\% | \$4,564,296 | 13.60\% | \$4,223,480 | 13.60\% | \$3,671,180 |
| Total Requirements | 10.73\% | \$5,051,148 | 10.87\% | \$4,562,791 | 10.37\% | \$4,024,286 | 10.08\% | \$3,543,624 | 8.57\% | \$2,876,178 | 8.95\% | \$2,779,423 | 10.33\% | \$2,788,477 |
| Total Contributions | 11.17\% | \$5,258,278 | 13.60\% | \$5,708,736 | 13.60\% | \$5,277,752 | 13.60\% | \$4,781,080 | 13.60\% | \$4,564,296 | 13.60\% | \$4,223,480 | 13.60\% | \$3,671,180 |
| Sufficiency/(Deficiency) | 0.44\% | \$207,130 | 2.73\% | \$1,145,945 | 3.23\% | \$1,253,466 | 3.52\% | \$1,237,456 | 5.03\% | \$1,688,118 | 4.65\% | \$1,444,058 | 3.27\% | \$882,703 |
| Amortization Target Date | 2020 |  | 2020 |  | 2017 |  | 2017 |  | 2010 |  | 2010 |  | 2010 |  |
| Actuary | Wyatt |  | Wyatt |  | Wyatt |  | Wyatt |  | Wyatt |  | Wyatt |  | Touche Ross |  |

${ }^{\wedge}$ Amortization of the unfunded actuarial accrued liability (UAAL) to the amortization target date.

|  | 1983 |  | 1982 |  | 1981 |  | 1980 |  | 1979 |  | 1978 |  | 1977 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 1,124 |  | 1,010 |  | 965 |  | 990 |  | 964 |  | 995 |  | 932 |
| Service Retirees |  | 295 |  | 293 |  | 275 |  | 247 |  | 225 |  | 211 |  | 197 |
| Disabilitants |  | 0 |  | 0 |  | 0 |  | 7 |  | 5 |  | 3 |  | 3 |
| Survivors |  | 0 |  | 0 |  | 0 |  | 3 |  | 2 |  | 2 |  | 1 |
| Deferred Retirees |  | 12 |  | 10 |  | 5 |  | 7 |  | 7 |  | 3 |  | 1 |
| Nonvested Former Members |  | $\underline{27}$ |  | 39 |  | 38 |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |
| Total Membership |  | 1,458 |  | 1,352 |  | 1,283 |  | 1,254 |  | 1,203 |  | 1,214 |  | 1,134 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$39,550,404 |  | \$34,519,532 |  | \$29,876,042 |  | \$29,259,602 |  | \$25,331,420 |  | \$26,353,129 |  | \$23,940,039 |
| Current Assets |  | \$36,067,783 |  | \$30,400,184 |  | \$26,284,198 |  | \$22,178,309 |  | \$18,596,210 |  | \$18,100,000 |  | \$16,400,000 |
| Unfunded Accrued Liability Funding Ratio | 91.19\% | \$3,482,621 | 88.07\% | \$4,119,348 | 87.98\% | \$3,591,844 | 75.80\% | \$7,081,293 | 73.41\% | \$6,735,210 | 68.68\% | \$8,253,129 | 68.50\% | \$7,540,039 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$24,511,088 |  | \$20,431,200 |  | \$18,264,697 |  | \$16,151,502 |  | \$15,199,761 |  | \$14,828,207 |  | \$12,399,810 |
| Benefits Payable |  | \$1,596,030 |  | \$1,566,286 |  | \$1,357,965 |  | \$1,222,560 |  | \$1,086,351 |  | \$1,005,437 |  | \$911,040 |
| Normal Cost | 10.62\% | \$2,603,078 | 10.52\% | \$2,149,362 | 11.05\% | \$2,018,249 | 10.64\% | \$1,718,520 | 10.24\% | \$1,556,456 | 11.02\% | \$1,634,068 | 11.04\% | \$1,368,939 |
| Administrative Expenses | 0.18\% | \$44,120 | 0.18\% | \$36,776 | 0.18\% | \$32,876 | 0.18\% | \$29,073 | 0.14\% | \$21,280 | 0.14\% | \$20,759 | 0.14\% | \$17,360 |
| Amortiz. of Unfunded Liab.^ | 0.95\% | \$232,855 | 1.34\% | \$273,778 | 1.32\% | \$241,094 | 2.78\% | \$449,012 | 2.86\% | \$434,713 | 4.76\% | \$705,823 | 4.65\% | \$576,591 |
| Total Requirements | 11.75\% | \$2,880,053 | 12.04\% | \$2,459,916 | 12.55\% | \$2,292,219 | 13.60\% | \$2,196,604 | 13.24\% | \$2,012,448 | 15.92\% | \$2,360,651 | 15.83\% | \$1,962,890 |
| Employee Contributions | 4.89\% | \$1,198,592 | 4.50\% | \$919,404 | 6.00\% | \$1,095,882 | 6.00\% | \$969,090 | 6.00\% | \$911,986 | 6.00\% | \$889,692 | 6.00\% | \$743,989 |
| Employer Contributions | 7.34\% | \$1,799,114 | 6.75\% | \$1,379,106 | 9.00\% | \$1,643,823 | 9.00\% | \$1,453,635 | 9.00\% | \$1,367,978 | 9.00\% | \$1,334,539 | 9.00\% | \$1,115,983 |
| Employer Add'I Cont. | 4.08\% | \$1,000,052 | 1.32\% | \$269,692 | 5.00\% | \$913,235 | 5.00\% | \$807,575 | 5.00\% | \$759,988 | 5.00\% | \$741,410 | 5.00\% | \$619,991 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Contributions | 16.31\% | \$3,997,758 | 12.57\% | \$2,568,202 | 20.00\% | \$3,652,939 | 20.00\% | \$3,230,300 | 20.00\% | \$3,039,952 | 20.00\% | \$2,965,641 | 20.00\% | \$2,479,962 |
| Total Requirements | 11.75\% | \$2,880,053 | 12.04\% | \$2,459,916 | 12.55\% | \$2,292,219 | 13.60\% | \$2,196,604 | 13.24\% | \$2,012,448 | 15.92\% | \$2,360,651 | 15.83\% | \$1,962,890 |
| Total Contributions | 16.31\% | \$3,997,758 | 12.57\% | \$2,568,202 | 20.00\% | \$3,652,939 | 20.00\% | \$3,230,300 | 20.00\% | \$3,039,952 | 20.00\% | \$2,965,641 | 20.00\% | \$2,479,962 |
| Sufficiency/(Deficiency) | 4.56\% | \$1,117,706 | 0.53\% | \$108,285 | 7.45\% | \$1,360,720 | 6.40\% | \$1,033,696 | 6.76\% | \$1,027,504 | 4.08\% | \$604,991 | 4.17\% | \$517,072 |
| Amortization Target Date | 2010 |  | 2010 |  | 2009 |  | 2009 |  | 2009 |  | 1997 |  | 1997 |  |
| Actuary | Touche Ross |  | Touche Ross |  | Touche Ross |  | Wyatt |  | Wyatt |  | TPF\&C |  | TPF\&C |  |

${ }^{\wedge}$ Amortization of the unfunded actuarial accrued liability (UAAL)
to the amortization target date.

|  | 1976 |  | 1975 |  | 1974 |  | 1973 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |
| Active Members |  | 926 |  | 901 |  | 737 |  | 677 |
| Service Retirees |  | 162 |  | 107 |  | 17 |  | 0 |
| Disabilitants |  | 2 |  | 0 |  | 0 |  | 0 |
| Survivors |  | 0 |  | 0 |  | 0 |  | 0 |
| Deferred Retirees |  | 1 |  | 0 |  | 0 |  | 0 |
| Nonvested Former Members |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |
| Total Membership |  | 1,091 |  | 1,008 |  | 754 |  | 677 |
| Funded Status |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$23,063,989 |  | \$18,790,688 |  | \$16,387,147 |  | \$10,613,186 |
| Current Assets |  | \$14,400,000 |  | \$9,700,000 |  | \$5,500,000 |  | \$3,300,000 |
| Unfunded Accrued Liability Funding Ratio | 62.43\% | \$8,663,989 | 51.62\% | \$9,090,688 | 33.56\% | \$10,887,147 | 31.09\% | \$7,313,186 |
| Financing Requirements |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$11,733,927 |  | \$9,922,071 |  | \$7,440,827 |  | \$6,062,311 |
| Benefits Payable |  | \$744,492 |  | \$538,573 |  | \$92,665 |  | \$0 |
| Normal Cost | 10.78\% | \$1,264,917 | 10.79\% | \$1,070,591 | 10.72\% | \$797,657 | 11.92\% | \$722,627 |
| Administrative Expenses | 0.14\% | \$16,427 | 0.14\% | \$13,891 | 0.14\% | \$10,417 | 0.19\% | \$11,518 |
| Amortiz. of Unfunded Liab.^ | 5.39\% | \$632,459 | 6.28\% | \$623,106 | 9.66\% | \$718,784 | 7.85\% | \$475,891 |
| Total Requirements | 16.31\% | \$1,913,803 | 17.21\% | \$1,707,588 | 20.52\% | \$1,526,858 | 19.96\% | \$1,210,037 |
| Employee Contributions | 6.00\% | \$704,036 | 6.00\% | \$595,324 | 6.00\% | \$446,450 | 6.00\% | \$363,739 |
| Employer Contributions | 9.00\% | \$1,056,053 | 9.00\% | \$892,986 | 9.00\% | \$669,674 | 9.00\% | \$545,608 |
| Employer Add'l Cont. | 5.00\% | \$586,696 | 5.00\% | \$496,104 | 5.00\% | \$372,041 | 5.00\% | \$303,116 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Contributions | 20.00\% | \$2,346,785 | 20.00\% | \$1,984,414 | 20.00\% | \$1,488,165 | 20.00\% | \$1,212,462 |
| Total Requirements | 16.31\% | \$1,913,803 | 17.21\% | \$1,707,588 | 20.52\% | \$1,526,858 | 19.96\% | \$1,210,037 |
| Total Contributions | 20.00\% | \$2,346,785 | 20.00\% | \$1,984,414 | 20.00\% | \$1,488,165 | 20.00\% | \$1,212,462 |
| Sufficiency/(Deficiency) | 3.69\% | \$432,982 | 2.79\% | \$276,826 | (0.52\%) | $(\$ 38,692)$ | 0.04\% | \$2,425 |
| Amortization Target Date | 1997 |  | 1997 |  | 1997 |  | 1997 |  |
| Actuary | TPF\&C |  | Little Church |  | Coates \& C | ford | Coates \& | ord |

${ }^{\wedge}$ Amortization of the unfunded
acturial accrued liability (UAAL) to the amortization target date.

