

|  |  | FY2011 |  | FY2010 |  | FY2009 |  | FY2008 |  | FY2007 |  | FY2006 |  | 2005 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 10,880 |  | 11,002 |  | 11,035 |  | 10,961 |  | 10,720 |  | 10,591 |  | 10,235 |
| Service Retirees |  | 5,549 |  | 5,354 |  | 5,213 |  | 5,079 |  | 4,938 |  | 4,756 |  | 4,668 |
| Disabilitants |  | 864 |  | 859 |  | 838 |  | 824 |  | 803 |  | 765 |  | 686 |
| Survivors |  | 1,435 |  | 1,413 |  | 1,380 |  | 1,291 |  | 1,291 |  | 1,280 |  | 1,261 |
| Deferred Retirees |  | 1,335 |  | 1,315 |  | 1,280 |  | 1,242 |  | 1,200 |  | 999 |  | 927 |
| Nonvested Former Members |  | 870 |  | 930 |  | 911 |  | 879 |  | 814 |  | 757 |  | 729 |
| Total Membership |  | 20,933 |  | 20,873 |  | 20,657 |  | 20,276 |  | 19,766 |  | 19,148 |  | 18,506 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$6,363,546,000 |  | \$5,963,672,000 |  | \$6,296,274,000 |  | \$5,918,061,000 |  | \$5,669,346,646 |  | \$5,260,564,020 |  | \$4,956,339,899 |
| Current Assets |  | \$5,274,602,000 |  | \$5,188,339,000 |  | \$5,239,855,000 |  | \$5,233,015,000 |  | \$5,198,921,940 |  | \$5,017,950,719 |  | \$4,814,961,076 |
| Unfunded Accrued Liability Funding Ratio | 82.89\% | \$1,088,944,000 | 87.00\% | \$775,333,000 | 83.22\% | \$1,056,419,000 | 88.42\% | \$685,046,000 | 91.70\% | \$470,424,706 | 95.39\% | \$242,613,301 | 97.15\% | \$141,378,823 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$796,689,000 |  | \$795,171,000 |  | \$786,887,000 |  | \$746,743,000 |  | \$699,841,244 |  | \$668,088,065 |  | \$625,806,943 |
| Benefits Payable |  | \$342,219,000 |  | \$326,041,000 |  | \$310,099,000 |  | \$295,994,000 |  | \$280,266,868 |  | \$264,601,229 |  | \$251,428,946 |
| Normal Cost | 19.77\% | \$157,490,000 | 19.65\% | \$156,244,000 | 22.07\% | \$173,703,000 | 23.07\% | \$172,273,000 | 22.19\% | \$155,328,501 | 22.32\% | \$149,097,708 | 22.28\% | \$139,384,787 |
| Administrative Expenses | 0.10\% | \$797,000 | 0.10\% | \$795,000 | 0.13\% | \$1,023,000 | 0.11\% | \$821,000 | 0.10\% | \$699,841 | 0.11\% | \$734,897 | 0.12\% | \$750,968 |
| Amortiz. of Unfunded Liab.^ | 8.91\% | \$70,985,000 | 5.77\% | \$45,881,000 | 7.79\% | \$61,298,000 | 5.23\% | \$39,055,000 | 6.19\% | \$43,320,173 | 3.14\% | \$20,977,965 | 1.84\% | \$11,514,848 |
| Total Requirements | 28.78\% | \$229,272,000 | 25.52\% | \$202,920,000 | 29.99\% | \$236,024,000 | 28.41\% | \$212,149,000 | 28.48\% | \$199,348,515 | 25.57\% | \$170,810,570 | 24.24\% | \$151,650,603 |
| Employee Contributions | 9.60\% | \$76,482,000 | 9.50\% | \$75,541,000 | 9.40\% | \$73,967,000 | 9.00\% | \$67,207,000 | 8.20\% | \$57,386,982 | 7.40\% | \$49,438,517 | 6.60\% | \$41,303,258 |
| Employer Contributions | 14.40\% | \$114,723,000 | 14.25\% | \$113,312,000 | 14.10\% | \$110,951,000 | 13.50\% | \$100,810,000 | 12.30\% | \$86,080,473 | 11.10\% | \$74,157,775 | 9.90\% | \$61,954,887 |
| 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\% | \$191,205,000 | 23.75\% | \$188,853,000 | 23.50\% | \$184,918,000 | 22.50\% | \$168,017,000 | 20.50\% | \$143,467,455 | 18.50\% | \$123,596,292 | 16.50\% | \$103,258,145 |
| Total Requirements | 28.78\% | \$229,272,000 | 25.52\% | \$202,920,000 | 29.99\% | \$236,024,000 | 28.41\% | \$212,149,000 | 28.48\% | \$199,348,515 | 25.57\% | \$170,810,570 | 24.24\% | \$151,650,603 |
| Total Contributions | 24.00\% | \$191,205,000 | 23.75\% | \$188,853,000 | 23.50\% | \$184,918,000 | 22.50\% | \$168,017,000 | 20.50\% | \$143,467,455 | 18.50\% | \$123,596,292 | 16.50\% | \$103,258,145 |
| Sufficiency/(Deficiency) | (4.78\%) | (\$38,067,000) | (1.77\%) | (\$14,067,000) | (6.49\%) | (\$51,106,000) | (5.91\%) | (\$44, 132,000) | (7.98\%) | (\$55,881,060) | (7.07\%) | (\$47,214,278) | (7.74\%) | (\$48,392,458) |
| Amortization Target Date | 2038 |  | 2038 |  | 2038 |  | 2038 |  | 2020 |  | 2020 |  | 2020 |  |
| Actuary | Mercer |  | Mercer |  | Mercer |  | Mercer |  | Segal |  | Segal |  | Segal |  |

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

|  | 2004 |  | 2003 |  | 2002 |  | 2001 |  | 2000 |  | 1999 |  | 1998 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 10,055 |  | 9,948 |  | 9,940 |  | 9,858 |  | 9,627 |  | 9,477 |  | 8,499 |
| Service Retirees |  | 4,547 |  | 4,381 |  | 4,191 |  | 4,188 |  | 3,991 |  | 3,674 |  | 1,781 |
| Disabilitants |  | 700 |  | 614 |  | 574 |  | 543 |  | 482 |  | 412 |  | 251 |
| Survivors |  | 1,385 |  | 1,213 |  | 1,206 |  | 1,267 |  | 1,205 |  | 1,173 |  | 492 |
| Deferred Retirees |  | 878 |  | 758 |  | 637 |  | 554 |  | 470 |  | 368 |  | 292 |
| Nonvested Former Members |  | 750 |  | 740 |  | 663 |  | 610 |  | 626 |  | 195 |  | 201 |
| Total Membership |  | 18,315 |  | 17,654 |  | 17,211 |  | 17,020 |  | 16,401 |  | 15,299 |  | 11,516 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$4,692,190,387 |  | \$4,390,953,000 |  | \$3,886,311,000 |  | \$3,712,360,000 |  | \$3,383,187,000 |  | \$3,004,637,000 |  | \$1,741,344,000 |
| Current Assets |  | \$4,746,834,494 |  | \$4,713,606,000 |  | \$4,707,255,000 |  | \$4,510,134,000 |  | \$4,145,351,000 |  | \$3,679,551,000 |  | \$2,337,313,000 |
| Unfunded Accrued Liability Funding Ratio | 101.16\% | (\$54,644,107) | 107.35\% | (\$322,653,000) | 121.12\% | (\$820,944,000) | 121.49\% | (\$797,774,000) | 122.53\% | (\$762,164,000) | 122.46\% | (\$674,914,000) | 134.22\% | (\$595,969,000) |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$593,944,656 |  | \$582,688,000 |  | \$541,250,000 |  | \$528,942,000 |  | \$494,134,000 |  | \$474,245,000 |  | \$399,499,000 |
| Benefits Payable |  | \$237,442,200 |  | \$225,434,000 |  | \$212,405,000 |  | \$192,245,000 |  | \$165,719,000 |  | \$68,672,000 |  | \$56,034,000 |
| Normal Cost | 22.37\% | \$132,886,767 | 22.05\% | \$128,469,000 | 20.22\% | \$109,474,000 | 20.21\% | \$106,905,000 | 19.93\% | \$98,462,000 | 20.30\% | \$96,225,000 | 20.21\% | \$80,719,000 |
| Administrative Expenses | 0.12\% | \$712,734 | 0.12\% | \$699,000 | 0.12\% | \$650,000 | 0.13\% | \$688,000 | 0.14\% | \$692,000 | 0.23\% | \$1,091,000 | 0.14\% | \$559,000 |
| Amortiz. of Unfunded Liab.^ | (0.44\%) | (\$2,613,356) | (2.65\%) | (\$15,441,000) | (7.26\%) | (\$39,295,000) | (7.22\%) | (\$38,190,000) | (7.38\%) | (\$36,467,000) | (8.85\%) | (\$41,971,000) | (8.95\%) | (\$35,755,000) |
| Total Requirements | 22.05\% | \$130,986,145 | 19.52\% | \$113,727,000 | 13.08\% | \$70,829,000 | 13.12\% | \$69,403,000 | 12.69\% | \$62,687,000 | 11.68\% | \$55,345,000 | 11.40\% | \$45,523,000 |
| Employee Contributions | 6.20\% | \$36,824,569 | 6.20\% | \$36,127,000 | 6.20\% | \$33,558,000 | 6.20\% | \$32,793,000 | 6.20\% | \$30,636,000 | 6.20\% | \$29,403,000 | 7.60\% | \$30,362,000 |
| Employer Contributions | 9.30\% | \$55,236,853 | 9.30\% | \$54,190,000 | 9.30\% | \$50,336,000 | 9.30\% | \$49,189,000 | 9.30\% | \$45,954,000 | 9.30\% | \$44,105,000 | 11.40\% | \$45,543,000 |
| 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 | 15.50\% | \$92,061,422 | 15.50\% | \$90,317,000 | 15.50\% | \$83,894,000 | 15.50\% | \$81,982,000 | 15.50\% | \$76,590,000 | 15.50\% | \$73,508,000 | 19.00\% | \$75,905,000 |
| Total Requirements | 22.05\% | \$130,986,145 | 19.52\% | \$113,727,000 | 13.08\% | \$70,829,000 | 13.12\% | \$69,403,000 | 12.69\% | \$62,687,000 | 11.68\% | \$55,345,000 | 11.40\% | \$45,523,000 |
| Total Contributions | 15.50\% | \$92,061,422 | 15.50\% | \$90,317,000 | 15.50\% | \$83,894,000 | 15.50\% | \$81,982,000 | 15.50\% | \$76,590,000 | 15.50\% | \$73,508,000 | 19.00\% | \$75,905,000 |
| Sufficiency/(Deficiency) | (6.55\%) | (\$38,924,723) | (4.02\%) | (\$23,410,000) | 2.42\% | \$13,065,000 | 2.38\% | \$12,579,000 | 2.81\% | \$13,903,000 | 3.82\% | \$18,163,000 | 7.60\% | \$30,382,000 |
| Amortization Target Date | 2034 |  | 2033 |  | 2032 |  | 2031 |  | 2030 |  | 2020 |  | 2020 |  |
| Actuary | Segal |  | Milliman US |  | Milliman USA |  | Milliman USA |  | Milliman \& R | Robertson | Milliman \& R | Robertson | Milliman \& | Robertson |

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

|  | 1997 |  | 1996 |  | 1995 |  | 1994 |  | 1993 |  | 1992 |  | 1991 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 8,079 |  | 7,680 |  | 7,380 |  | 7,043 |  | 6,785 |  | 6,521 |  | 6,309 |
| Service Retirees |  | 1,608 |  | 1,524 |  | 1,435 |  | 1,347 |  | 1,250 |  | 1,191 |  | 1,130 |
| Disabilitants |  | 215 |  | 184 |  | 146 |  | 116 |  | 94 |  | 93 |  | 93 |
| Survivors |  | 471 |  | 447 |  | 426 |  | 411 |  | 394 |  | 379 |  | 359 |
| Deferred Retirees |  | 292 |  | 267 |  | 250 |  | 234 |  | 215 |  | 187 |  | 165 |
| Nonvested Former Members |  | $\underline{201}$ |  | 162 |  | 141 |  | 140 |  | 121 |  | 120 |  | 112 |
| Total Membership |  | 10,866 |  | 10,264 |  | 9,778 |  | 9,291 |  | 8,859 |  | 8,491 |  | 8,168 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$1,556,483,000 |  | \$1,334,202,000 |  | \$1,196,795,000 |  | \$1,099,221,000 |  | \$1,009,226,000 |  | \$888,826,000 |  | \$794,295,000 |
| Current Assets |  | \$1,974,635,000 |  | \$1,633,010,000 |  | \$1,385,901,000 |  | \$1,234,959,000 |  | \$1,118,342,000 |  | \$979,981,000 |  | \$839,560,000 |
| Unfunded Accrued Liability Funding Ratio | 126.87\% | (\$418,152,000) | 122.40\% | (\$298,808,000) | 115.80\% | (\$189,106,000) | 112.35\% | (\$135,738,000) | 110.81\% | (\$109,116,000) | 110.26\% | (\$91,155,000) | 105.70\% | (\$45,265,000) |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$369,503,000 |  | \$336,779,000 |  | \$313,885,000 |  | \$294,339,000 |  | \$270,813,000 |  | \$255,270,000 |  | \$234,208,000 |
| Benefits Payable |  | \$43,045,000 |  | \$37,132,000 |  | \$32,152,000 |  | \$28,127,000 |  | \$24,619,000 |  | \$22,165,000 |  | \$19,672,000 |
| Normal Cost | 21.65\% | \$80,020,000 | 19.73\% | \$66,446,497 | 19.49\% | \$61,176,187 | 19.47\% | \$57,307,803 | 19.26\% | \$52,158,584 | 18.05\% | \$46,076,235 | 17.08\% | \$40,002,726 |
| Administrative Expenses | 0.13\% | \$480,000 | 0.13\% | \$437,813 | 0.12\% | \$376,662 | 0.12\% | \$353,207 | 0.11\% | \$297,894 | 0.55\% | \$1,403,985 | 0.46\% | \$1,077,357 |
| Amortiz. of Unfunded Liab.^ | (6.57\%) | (\$24,276,000) | (4.75\%) | (\$15,997,003) | (3.12\%) | (\$9,793,212) | (2.31\%) | (\$6,799,231) | (1.92\%) | (\$5,199,610) | 0.00\% | \$0 | 0.00\% | \$0 |
| Total Requirements | 15.21\% | \$56,224,000 | 15.11\% | \$50,887,307 | 16.49\% | \$51,759,637 | 17.28\% | \$50,861,779 | 17.45\% | \$47,256,869 | 18.60\% | \$47,480,220 | 17.54\% | \$41,080,083 |
| Employee Contributions | 7.60\% | \$28,082,000 | 7.60\% | \$25,595,204 | 7.60\% | \$23,855,260 | 7.60\% | \$22,369,764 | 7.80\% | \$21,123,414 | 8.00\% | \$20,421,600 | 8.00\% | \$18,736,640 |
| Employer Contributions | 11.40\% | \$42,123,000 | 11.40\% | \$38,392,806 | 11.40\% | \$35,782,890 | 11.40\% | \$33,554,646 | 11.70\% | \$31,685,121 | 12.00\% | \$30,632,400 | 12.00\% | \$28,104,960 |
| 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 | 19.00\% | \$70,205,000 | 19.00\% | \$63,988,010 | 19.00\% | \$59,638,150 | 19.00\% | \$55,924,410 | 19.50\% | \$52,808,535 | 20.00\% | \$51,054,000 | 20.00\% | \$46,841,600 |
| Total Requirements | 15.21\% | \$56,224,000 | 15.11\% | \$50,887,307 | 16.49\% | \$51,759,637 | 17.28\% | \$50,861,779 | 17.45\% | \$47,256,869 | 18.60\% | \$47,480,220 | 17.54\% | \$41,080,083 |
| Total Contributions | 19.00\% | \$70,205,000 | 19.00\% | \$63,988,010 | 19.00\% | \$59,638,150 | 19.00\% | \$55,924,410 | 19.50\% | \$52,808,535 | 20.00\% | \$51,054,000 | 20.00\% | \$46,841,600 |
| Sufficiency/(Deficiency) | 3.79\% | \$13,981,000 | 3.89\% | \$13,100,703 | 2.51\% | \$7,878,514 | 1.72\% | \$5,062,631 | 2.05\% | \$5,551,667 | 1.40\% | \$3,573,780 | 2.46\% | \$5,761,517 |
| Amortization Target Date | 2020 |  | 2020 |  | 2020 |  | 2020 |  | 2020 |  | 2020 |  | 2020 |  |
| Actuary | Milliman \& | Robertson | Milliman \& R | Robertson | Milliman \& R | Robertson | Milliman \& | Robertson | Milliman \& R | Robertson | Milliman \& | bertson | Milliman \& | bertson |

${ }^{\wedge}$ Amortization of the unfunded
actuanizl accrued liability (UAAL)

|  | 1990 |  | 1989 |  | 1988 |  | 1987 |  | 1986 |  | 1985 |  | 1984 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 6,136 |  | 5,891 |  | 5,611 |  | 5,385 |  | 5,127 |  | 4,928 |  | 4,744 |
| Service Retirees |  | 1,057 |  | 995 |  | 965 |  | 895 |  | 838 |  | 765 |  | 715 |
| Disabilitants |  | 89 |  | 84 |  | 73 |  | 66 |  | 58 |  | 54 |  | 44 |
| Survivors |  | 347 |  | 333 |  | 325 |  | 310 |  | 302 |  | 279 |  | 242 |
| Deferred Retirees |  | 128 |  | 110 |  | 105 |  | 97 |  | 555 |  | 163 |  | 175 |
| Nonvested Former Members |  | 121 |  | 100 |  | 107 |  | 462 |  | 461 |  | 350 |  | $\underline{0}$ |
| Total Membership |  | 7,878 |  | 7,513 |  | 7,186 |  | 7,215 |  | 7,341 |  | 6,539 |  | 5,920 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$715,963,000 |  | \$651,776,000 |  | \$574,133,000 |  | \$486,674,000 |  | \$447,742,000 |  | \$382,998,000 |  | \$306,817,265 |
| Current Assets |  | \$755,204,000 |  | \$656,654,000 |  | \$557,669,000 |  | \$506,153,000 |  | \$424,936,000 |  | \$338,400,000 |  | \$279,757,310 |
| Unfunded Accrued Liability Funding Ratio | 105.48\% | (\$39,241,000) | 100.75\% | (\$4,878,000) | 97.13\% | \$16,464,000 | 104.00\% | (\$19,479,000) | 94.91\% | \$22,806,000 | 88.36\% | \$44,598,000 | 91.18\% | \$27,059,955 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$216,022,000 |  | \$197,982,000 |  | \$178,768,000 |  | \$164,975,000 |  | \$153,714,000 |  | \$139,222,000 |  | \$117,880,783 |
| Benefits Payable |  | \$17,631,000 |  | \$15,446,000 |  | \$13,821,000 |  | \$11,314,000 |  | \$9,555,000 |  | \$7,899,000 |  | \$6,592,773 |
| Normal Cost | 16.98\% | \$36,680,536 | 15.79\% | \$31,261,358 | 15.84\% | \$28,316,851 | 15.47\% | \$25,521,633 | 15.84\% | \$24,348,298 | 16.22\% | \$22,581,808 | 15.66\% | \$18,460,131 |
| Administrative Expenses | 0.58\% | \$1,252,928 | 0.42\% | \$831,524 | 0.46\% | \$822,333 | 0.50\% | \$824,875 | 0.48\% | \$737,827 | 0.47\% | \$654,343 | 0.18\% | \$212,185 |
| Amortiz. of Unfunded Liab.^ | 0.00\% | \$0 | 0.00\% | \$0 | 0.39\% | \$697,195 | 0.00\% | \$0 | 0.78\% | \$1,198,969 | 1.63\% | \$2,269,319 | 1.09\% | \$1,284,901 |
| Total Requirements | 17.56\% | \$37,933,463 | 16.21\% | \$32,092,882 | 16.69\% | \$29,836,379 | 15.97\% | \$26,346,508 | 17.10\% | \$26,285,094 | 18.32\% | \$25,505,470 | 16.93\% | \$19,957,217 |
| Employee Contributions | 8.00\% | \$17,281,760 | 8.00\% | \$15,838,560 | 8.00\% | \$14,301,440 | 8.00\% | \$13,198,000 | 8.00\% | \$12,297,120 | 8.00\% | \$11,137,760 | 8.00\% | \$9,430,463 |
| Employer Contributions | 12.00\% | \$25,922,640 | 12.00\% | \$23,757,840 | 12.00\% | \$21,452,160 | 12.00\% | \$19,797,000 | 12.00\% | \$18,445,680 | 12.00\% | \$16,706,640 | 12.00\% | \$14,145,694 |
| 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 | 20.00\% | \$43,204,400 | 20.00\% | \$39,596,400 | 20.00\% | \$35,753,600 | 20.00\% | \$32,995,000 | 20.00\% | \$30,742,800 | 20.00\% | \$27,844,400 | 20.00\% | \$23,576,157 |
| Total Requirements | 17.56\% | \$37,933,463 | 16.21\% | \$32,092,882 | 16.69\% | \$29,836,379 | 15.97\% | \$26,346,508 | 17.10\% | \$26,285,094 | 18.32\% | \$25,505,470 | 16.93\% | \$19,957,217 |
| Total Contributions | 20.00\% | \$43,204,400 | 20.00\% | \$39,596,400 | 20.00\% | \$35,753,600 | 20.00\% | \$32,995,000 | 20.00\% | \$30,742,800 | 20.00\% | \$27,844,400 | 20.00\% | \$23,576,157 |
| Sufficiency/(Deficiency) | 2.44\% | \$5,270,937 | 3.79\% | \$7,503,518 | 3.31\% | \$5,917,221 | 4.03\% | \$6,648,493 | 2.90\% | \$4,457,706 | 1.68\% | \$2,338,930 | 3.07\% | \$3,618,940 |
| Amortization Target Date | 2020 |  | 2020 |  | 2018 |  | 2009 |  | 2009 |  | 2009 |  | 2009 |  |
| Actuary | Wyatt |  | Wyatt |  | Wyatt |  | Wyatt |  | Wyatt |  | Wyatt |  | Comp. \& | apital |

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

|  | 1983 |  | 1982 |  | 1981 |  | 1980 |  | 1979 |  | 1978 |  | 1977 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 4,598 |  | 4,508 |  | 4,356 |  | 4,492 |  | 4,092 |  | 3,971 |  | 3,732 |
| Service Retirees |  | 674 |  | 632 |  | 593 |  | 554 |  | 515 |  | 437 |  | 395 |
| Disabilitants |  | 52 |  | 53 |  | 33 |  | 27 |  | 30 |  | 29 |  | 20 |
| Survivors |  | 224 |  | 216 |  | 207 |  | 177 |  | 268 |  | 276 |  | 242 |
| Deferred Retirees |  | 179 |  | 178 |  | 213 |  | 216 |  | 210 |  | 200 |  | 194 |
| Nonvested Former Members |  | 0 |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |
| Total Membership |  | 5,727 |  | 5,587 |  | 5,402 |  | 5,466 |  | 5,115 |  | 4,913 |  | 4,583 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$250,280,229 |  | \$222,472,470 |  | \$187,934,297 |  | \$161,723,394 |  | \$139,339,808 |  | \$119,929,854 |  | \$102,297,741 |
| Current Assets |  | \$249,539,820 |  | \$209,225,419 |  | \$174,896,238 |  | \$143,124,478 |  | \$120,427,888 |  | \$98,804,037 |  | \$81,962,092 |
| Unfunded Accrued Liability Funding Ratio | 99.70\% | \$740,409 | 94.05\% | \$13,247,051 | 93.06\% | \$13,038,059 | 88.50\% | \$18,598,916 | 86.43\% | \$18,911,920 | 82.38\% | \$21,125,817 | 80.12\% | \$20,335,649 |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$105,153,394 |  | \$97,295,847 |  | \$85,810,155 |  | \$75,851,475 |  | \$68,125,873 |  | \$59,933,726 |  | \$52,889,851 |
| Benefits Payable |  | \$5,576,067 |  | \$5,352,786 |  | \$4,597,457 |  | \$3,378,785 |  | \$2,931,102 |  | \$2,421,612 |  | \$1,833,314 |
| Normal Cost | 15.48\% | \$16,277,745 | 15.46\% | \$15,041,938 | 15.42\% | \$13,231,926 | 15.49\% | \$11,749,393 | 15.68\% | \$10,682,137 | 15.87\% | \$9,511,482 | 16.20\% | \$8,568,156 |
| Administrative Expenses | 0.09\% | \$94,638 | 0.09\% | \$87,566 | 0.09\% | \$77,229 | 0.09\% | \$68,266 | 0.09\% | \$61,313 | 0.09\% | \$53,940 | 0.09\% | \$47,601 |
| Amortiz. of Unfunded Liab.^ | 0.05\% | \$52,577 | 0.93\% | \$904,851 | 1.02\% | \$875,264 | 1.62\% | \$1,228,794 | 1.81\% | \$1,233,078 | 2.92\% | \$1,750,065 | 3.09\% | \$1,634,296 |
| Total Requirements | 15.62\% | \$16,424,960 | 16.48\% | \$16,034,356 | 16.53\% | \$14,184,419 | 17.20\% | \$13,046,454 | 17.58\% | \$11,976,528 | 18.88\% | \$11,315,487 | 19.38\% | \$10,250,053 |
| Employee Contributions | 8.00\% | \$8,412,272 | 8.00\% | \$7,783,668 | 8.00\% | \$6,864,812 | 8.00\% | \$6,068,118 | 8.00\% | \$5,450,070 | 8.00\% | \$4,794,698 | 8.00\% | \$4,231,188 |
| Employer Contributions | 12.00\% | \$12,618,407 | 12.00\% | \$11,675,502 | 12.00\% | \$10,297,219 | 12.00\% | \$9,102,177 | 12.00\% | \$8,175,105 | 12.00\% | \$7,192,047 | 12.00\% | \$6,346,782 |
| 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 | 20.00\% | \$21,030,679 | 20.00\% | \$19,459,169 | 20.00\% | \$17,162,031 | 20.00\% | \$15,170,295 | 20.00\% | \$13,625,175 | 20.00\% | \$11,986,745 | 20.00\% | \$10,577,970 |
| Total Requirements | 15.62\% | \$16,424,960 | 16.48\% | \$16,034,356 | 16.53\% | \$14,184,419 | 17.20\% | \$13,046,454 | 17.58\% | \$11,976,528 | 18.88\% | \$11,315,487 | 19.38\% | \$10,250,053 |
| Total Contributions | 20.00\% | \$21,030,679 | 20.00\% | \$19,459,169 | 20.00\% | \$17,162,031 | 20.00\% | \$15,170,295 | 20.00\% | \$13,625,175 | 20.00\% | \$11,986,745 | 20.00\% | \$10,577,970 |
| Sufficiency/(Deficiency) | 4.38\% | \$4,605,719 | 3.52\% | \$3,424,814 | 3.47\% | \$2,977,612 | 2.80\% | \$2,123,841 | 2.42\% | \$1,648,646 | 1.12\% | \$671,258 | 0.62\% | \$327,917 |
| Amortization Target Date | 2009 |  | 2009 |  | 2009 |  | 2009 |  | 2009 |  | 1997 |  | 1997 |  |
| Actuary | Comp. \& |  | Comp. \& |  | Comp. \& C |  | Comp. \& C |  | Comp. \& |  | Comp. \& C |  | Comp. \& |  |

${ }^{\wedge}$ Amortization of the unfunded
actuarial accrued liability (UAAL)

See disclaimer on first page.

|  | 1976 |  | 1975 |  | 1974 |  | 1973 |  | 1972 |  | 1971 |  | 1970 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 3,800 |  | 3,690 |  | 3,393 |  | 3,105 |  | 3,027 |  | 2,837 |  | 2,619 |
| Service Retirees |  | 362 |  | 331 |  | 290 |  | 251 |  | 216 |  | 185 |  | 164 |
| Disabilitants |  | 15 |  | 12 |  | 9 |  | 6 |  | 5 |  | 4 |  | 5 |
| Survivors |  | 238 |  | 142 |  | 129 |  | 201 |  | 192 |  | 179 |  | 162 |
| Deferred Retirees |  | 183 |  | 22 |  | 17 |  | 13 |  | 11 |  | 30 |  | 27 |
| Nonvested Former Members |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |
| Total Membership |  | 4,598 |  | 4,197 |  | 3,838 |  | 3,576 |  | 3,451 |  | 3,235 |  | 2,977 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$87,155,968 |  | \$67,641,232 |  | \$59,553,376 |  | \$51,833,540 |  | \$34,094,783 |  | \$28,533,461 |  | \$22,636,714 |
| Current Assets |  | \$67,027,999 |  | \$56,100,213 |  | \$47,546,849 |  | \$38,959,178 |  | \$31,648,753 |  | \$25,988,163 |  | \$21,357,001 |
| Unfunded Accrued Liability |  | \$20,127,969 |  | \$11,541,019 |  | \$12,006,527 |  | \$12,874,362 |  | \$2,446,030 |  | \$2,545,298 |  | \$1,279,713 |
| Funding Ratio | 76.91\% |  | 82.94\% |  | 79.84\% |  | 75.16\% |  | 92.83\% |  | 91.08\% |  | 94.35\% |  |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$46,848,679 |  | \$40,849,878 |  | \$35,270,010 |  | \$30,192,486 |  | \$28,359,526 |  | \$24,263,426 |  | \$20,528,530 |
| Benefits Payable |  | \$1,513,808 |  | \$1,275,785 |  | \$1,011,955 |  | \$736,734 |  | \$555,687 |  | \$455,215 |  | \$398,798 |
| Normal Cost | 16.37\% | \$7,669,129 | 15.36\% | \$6,274,541 | 15.80\% | \$5,572,662 | 16.07\% | \$4,851,933 | 17.47\% | \$4,954,409 | 17.92\% | \$4,348,006 | 11.95\% | \$2,453,159 |
| Administrative Expenses | 0.09\% | \$42,164 | 0.10\% | \$40,850 | 0.10\% | \$35,270 | 0.11\% | \$33,212 | 0.12\% | \$34,031 | 0.12\% | \$29,116 | 0.15\% | \$30,793 |
| Amortiz. of Unfunded Liab.^ | 3.35\% | \$1,569,431 | 2.15\% | \$878,272 | 2.52\% | \$888,804 | 3.06\% | \$923,890 | 0.52\% | \$147,470 | 0.62\% | \$150,433 | 0.36\% | \$73,903 |
| Total Requirements | 19.81\% | \$9,280,723 | 17.61\% | \$7,193,664 | 18.42\% | \$6,496,736 | 19.24\% | \$5,809,034 | 18.11\% | \$5,135,910 | 18.66\% | \$4,527,555 | 12.46\% | \$2,557,855 |
| Employee Contributions | 8.00\% | \$3,747,894 | 8.00\% | \$3,267,990 | 8.00\% | \$2,821,601 | 8.00\% | \$2,415,399 | 7.00\% | \$1,985,167 | 7.00\% | \$1,698,440 | 6.00\% | \$1,231,712 |
| Employer Contributions | 12.00\% | \$5,621,841 | 12.00\% | \$4,901,985 | 12.00\% | \$4,232,401 | 12.00\% | \$3,623,098 | 12.00\% | \$3,403,143 | 12.00\% | \$2,911,611 | 11.50\% | \$2,360,781 |
| 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 | 20.00\% | \$9,369,736 | 20.00\% | \$8,169,976 | 20.00\% | \$7,054,002 | 20.00\% | \$6,038,497 | 19.00\% | \$5,388,310 | 19.00\% | \$4,610,051 | 17.50\% | \$3,592,493 |
| Total Requirements | 19.81\% | \$9,280,723 | 17.61\% | \$7,193,664 | 18.42\% | \$6,496,736 | 19.24\% | \$5,809,034 | 18.11\% | \$5,135,910 | 18.66\% | \$4,527,555 | 12.46\% | \$2,557,855 |
| Total Contributions | 20.00\% | \$9,369,736 | 20.00\% | \$8,169,976 | 20.00\% | \$7,054,002 | 20.00\% | \$6,038,497 | 19.00\% | \$5,388,310 | 19.00\% | \$4,610,051 | 17.50\% | \$3,592,493 |
| Sufficiency/(Deficiency) | 0.19\% | \$89,012 | 2.39\% | \$976,312 | 1.58\% | \$557,266 | 0.76\% | \$229,463 | 0.89\% | \$252,400 | 0.34\% | \$82,496 | 5.04\% | \$1,034,638 |
| Amortization Target Date | 1997 |  | 1997 |  | 1997 |  | 1997 |  | 1997 |  | 1997 |  | 1997 |  |
| Actuary | Comp. \& |  | Comp. \& C |  | A.S. Hansen |  | A.S. Hansen |  | A.S. Hansen |  | A.S. Hansen |  | A.S. Hansen |  |

${ }^{\wedge}$ Amortization of the unfunded
actuarial accrued liability (UAAL)

See disclaimer on first page.

|  | 1969 |  | 1968 |  | 1967 |  | 1966 |  | 1965 |  | 1964 | 1963 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Membership |  |  |  |  |  |  |  |  |  |  |  |  |
| Active Members |  | 2,475 |  | 2,207 |  | 2,038 |  | 1,918 |  | 1,767 |  | 1,525 |
| Service Retirees |  | 150 |  | 132 |  | 114 |  | 83 |  | 64 |  | 32 |
| Disabilitants |  | 2 |  | 2 |  | 1 |  | 1 |  | 1 |  | -- |
| Survivors |  | 139 |  | 114 |  | 92 |  | 46 |  | 35 |  | 20 |
| Deferred Retirees |  | 22 |  | 6 |  | 7 |  | 0 |  | 0 |  | -- |
| Nonvested Former Members |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |  | $\underline{0}$ |
| Total Membership |  | 2,788 |  | 2,461 |  | 2,252 |  | 2,048 |  | 1,867 |  | 1,577 |
| Funded Status |  |  |  |  |  |  |  |  |  |  |  |  |
| Accrued Liability |  | \$19,684,778 |  | \$18,668,231 |  | \$16,208,760 |  | \$14,188,352 |  | \$14,820,276 |  |  |
| Current Assets |  | \$17,629,538 |  | \$14,661,150 |  | \$10,716,806 |  | \$8,971,310 |  | \$7,398,562 |  | \$5,020,937 |
| Unfunded Accrued Liability Funding Ratio | 89.56\% | \$2,055,240 | 78.54\% | \$4,007,081 | 66.12\% | \$5,491,954 | 63.23\% | \$5,217,042 | 49.92\% | \$7,421,714 |  |  |
| Financing Requirements |  |  |  |  |  |  |  |  |  |  |  |  |
| Covered Payroll |  | \$16,581,199 |  | \$14,582,018 |  | \$11,995,822 |  | \$9,584,075 |  | \$8,455,354 |  | \$6,550,000 |
| Benefits Payable |  | \$335,798 |  | \$279,834 |  | \$243,366 |  | \$182,000 |  | \$128,838 |  | \$61,176 |
| Normal Cost | 11.68\% | \$1,936,684 | 12.36\% | \$1,802,337 | 12.73\% | \$1,527,068 | 14.90\% | \$1,428,027 | 18.93\% | \$1,600,599 |  | \$0 |
| Administrative Expenses | 0.15\% | \$24,872 | 0.18\% | \$26,248 | 0.14\% | \$16,794 | 0.18\% | \$17,251 |  | \$0 |  | \$0 |
| Amortiz. of Unfunded Liab.^ | 0.70\% | \$116,068 | 1.43\% | \$208,523 | 2.34\% | \$280,702 | 2.72\% | \$260,687 | 4.31\% | \$364,426 |  | \$0 |
| Total Requirements | 12.53\% | \$2,077,624 | 13.97\% | \$2,037,108 | 15.21\% | \$1,824,565 | 17.80\% | \$1,705,965 | 23.24\% | \$1,965,024 |  | \$0 |
| Employee Contributions | 6.00\% | \$994,872 | 6.00\% | \$874,921 | 6.00\% | \$719,749 | 6.00\% | \$575,045 | 6.00\% | \$507,321 |  | \$0 |
| Employer Contributions | 11.50\% | \$1,906,838 | 11.50\% | \$1,676,932 | 11.50\% | \$1,379,520 | 11.50\% | \$1,102,169 | 11.50\% | \$972,366 |  | \$0 |
| Employer Add'I Cont. | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |  | \$0 |
| Direct State Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |  | \$0 |
| Other Govt. Funding | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |  | \$0 |
| Administrative Assessment | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 | 0.00\% | \$0 |  | \$0 |
| Total Contributions | 17.50\% | \$2,901,710 | 17.50\% | \$2,551,853 | 17.50\% | \$2,099,269 | 17.50\% | \$1,677,213 | 17.50\% | \$1,479,687 |  | \$0 |
| Total Requirements | 12.53\% | \$2,077,624 | 13.97\% | \$2,037,108 | 15.21\% | \$1,824,565 | 17.80\% | \$1,705,965 | 23.24\% | \$1,965,024 |  | \$0 |
| Total Contributions | 17.50\% | \$2,901,710 | 17.50\% | \$2,551,853 | 17.50\% | \$2,099,269 | 17.50\% | \$1,677,213 | 17.50\% | \$1,479,687 |  | \$0 |
| Sufficiency/(Deficiency) | 4.97\% | \$824,086 | 3.53\% | \$514,745 | 2.29\% | \$274,704 | (0.30\%) | $(\$ 28,752)$ | (5.74\%) | (\$485,337) |  | \$0 |
| Amortization Target Date | 1997 |  | 1997 |  | 1997 |  | 1997 |  | 1997 |  |  |  |
| Actuary | A.S. Hansen |  | A.S. Hansen |  | A.S. Hansen |  | A.S. Hansen |  | A.S. Hansen |  |  | A.A. Weinberg |

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

