

# Municipal Employees' Retirement System of Michigan 

The Report of the Sixty-First Annual Actuarial Valuation<br>as of December 31, 2006<br>and 50-Year Actuarial Projection<br>Covering Participating Municipalities in the<br>Municipal Employees' Retirement System of Michigan

Submitted to<br>The Retirement Board<br>Municipal Employees' Retirement System of Michigan

August 10, 2007

The Retirement Board
Municipal Employees' Retirement System of Michigan
Lansing, Michigan
Ladies and Gentlemen:
This report presents the results of the $61^{\text {st }}$ Annual Actuarial Valuation, prepared as of December 31, 2006, for 668 participating municipalities in the Municipal Employees' Retirement System. This total includes 18 municipalities that have ceased active membership in MERS, but for whom MERS retains assets and liabilities for future benefit payments. This report does not include the 18 participating MERS municipalities that have adopted MERS defined contribution benefits only.

Also presented in this report are the results of the 50-year projections of MERS' assets, liabilities and cash flow.
MERS is an agent multiple-employer public employee pension plan and is a tax-qualified plan under section 401(a) of the Internal Revenue Code (most recent letter of Favorable Determination issued June 15, 2005). MERS is an independent non-profit corporation established by the Legislature pursuant to Public Act 220 of 1996, and is an instrumentality of the participating municipalities and courts. Each municipality or court is responsible for the employer contributions needed to provide MERS benefits for its employees and former employees under the Michigan Constitution and the MERS Plan Document.

Our actuarial valuation was based on the following:

1. The benefit provisions of MERS, as described in Section VII.
2. Demographic data on the participants covered, as described in Section II.
3. Financial information regarding plan assets, as shown in Section III.
4. The actuarial assumptions and funding methods adopted by the Retirement Board. See Section VIII for details.

The valuation utilized information furnished by the MERS administrative staff concerning Retirement System benefits, financial transactions, individual members, vested former members, retirants and beneficiaries. Data was checked for year-to-year consistency, but was not otherwise audited by us.

To the best of our knowledge, this report is complete and accurate and was made in accordance with generally recognized actuarial methods in compliance with Act No. 220 of the Public Acts of 1996, as amended, and the MERS Plan Document as revised. The actuarial assumptions used for this valuation produce results that we believe are reasonable. The Retirement Board of the Municipal Employees' Retirement System of Michigan confirms that the System provides for payment of the required employer contribution as described in Section 20 m of Act No. 314 of 1965 (MCL 38.1140m).

Respectfully submitted,


Alan E. Sonnanstine, MAAA, ASA


Cathy Nagy, MA AA, FSA

W. James Koss, MAAA, ASA

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## I. Results of the Actuarial Valuation

Our actuarial valuation of the liabilities and contribution rates for each of the 668 defined benefit plan participating municipalities in the Municipal Employees' Retirement System as of December 31, 2006 is based on four major elements:

1. The present benefit provisions of MERS, as governed by Act 220 of the Public Acts of 1996 and the MERS plan document, as revised (see Section VII).
2. The characteristics of active and inactive MERS members as of December 31, 2006 (see Section II).
3. The assets attributable to MERS members of each participating municipality. The total assets (at actuarial value) for all 668 municipalities included in the December 31, 2006 valuation was $\$ 5.49$ billion (see Section III).
4. The actuarial assumptions and funding method, which include an investment yield rate of $8 \%$ and the entry age normal actuarial cost method (see Section VIII).

The employer contribution rate has been determined for each municipality based on the entry age normal funding method. Under the entry age normal cost funding method, the total employer contribution is comprised of the normal cost plus the level annual percentage of payroll payment required to amortize the unfunded actuarial accrued liability over a period of 29 years. The 29 -year period will decline by one year in each of the next four annual valuations. For closed divisions (no new hires expected) of active municipalities, the amortization period for positive unfunded liabilities is decreased annually by 2 years until the period reaches 5 years. Closed municipalities (no longer actively participating in MERS) are covered by special funding requirements. Negative unfunded accrued liabilities are amortized over 10 years. The total normal cost is, for each active member, the level percentage of payroll contribution (from entry age to retirement) required to accumulate sufficient assets at the member's retirement to pay for his or her projected benefit. The employer normal cost is the total normal cost reduced by the member contribution rate.

The actuarial accrued liability represents the difference between the present value of all future benefits and the present value of future normal costs. The unfunded actuarial accrued liability (i.e., the actuarial accrued liability less assets accumulated as of the valuation date) is projected to the beginning of the fiscal year commencing in 2008, and is then amortized as noted above.

Each of these components of the employer contribution rate (i.e., normal cost and amortization payment) are shown separately for each municipality in the Appendix, together with the estimated dollar contribution for the fiscal year beginning in 2008 (based on valuation payroll, but the actual required contribution for open divisions will be based on actual reported monthly pays during the fiscal year and will be different).

Within each municipality an individual employer contribution rate is determined for each valuation group (division). The funded status of each municipality is shown in the Appendix. Chart 6 on page 22 shows a distribution of the employer contribution rate for open valuation divisions included in the December 31, 2006 valuation.

There is no single all-encompassing test for measuring a Retirement System's funding progress and current funded status. However, some common indicators of the progress that a Retirement System has achieved in funding their obligations include observing the changes over time in the following items:

1. The ratio of valuation assets to actuarial accrued liabilities.
2. The pattern of the unfunded actuarial accrued liability as a percentage of active payroll.
3. The ratio of valuation assets to the termination liability (computed as if all active employees terminated employment on the valuation date).
4. The ratio of valuation assets to the actuarial present value of accrued benefits.

The tables and charts that are included in this report provide illustrations of the above funding measures on a current basis and on a historical basis.

## Comments

Based on the funding schedules in place in the 2005 valuation, the MERS overall funded percentage was projected to increase from $76.0 \%$ in 2005 to $76.1 \%$ in 2006. Instead, based on actual events the funded percentage increased to $76.4 \%$ in 2006. Of the $0.3 \%$ increase (from the projected $76.1 \%$ to the actual $76.4 \%$ ), $0.1 \%$ was attributable to investment experience (based on the smoothed actuarial value of assets), ( 0.1 )\% was attributable to benefit provision changes and new municipalities, and $0.3 \%$ was due to experience in other risk areas, (i.e., there was a gain from other risk areas).

All of the effects of the unfavorable investment markets of 2000-2002 were offset by MERS' very favorable investment returns in 2003, 2004, and 2006. The market value of assets is $1.4 \%$ higher than actuarial value, as of December 31, 2006. This will lead to a small (around 1\%) increase in the funded percentage, if future market investment returns meet the $8 \%$ actuarial assumption.

The declines in the funded percentage since 1999 have resulted in increases in required employer contributions. These increases help ensure that MERS improves its currently solid financial condition.

TABLE 1
Summary of the Valuation Results

|  | $\begin{gathered} \text { December 31, } \\ 2006 \end{gathered}$ | $\begin{gathered} \text { December 31, } \\ 2005 \end{gathered}$ | $\begin{gathered} \text { December 31, } \\ 2004 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Number of Participating Municipalities | 668 | 644 | 615 |
| Number of Valuation Divisions |  |  |  |
| Open to new hires | 1,544 | 1,545 | 1,528 |
| Closed to new hires | 408 | 354 | 314 |
| Closed municipalities | 22 | 20 | 20 |
| Total | $\overline{1,974}$ | $\overline{1,919}$ | $\overline{1,862}$ |
| Total Payroll (millions) | \$1,546 | \$1,462 | \$1,437 |
| Assets at Market Value (millions) | \$5,571 | \$4,894 | \$4,618 |
| Assets at Actuarial Value (millions) | 5,494 | 5,026 | 4,731 |
| Actuarial Rate of Return | 8.14\% | 6.51\% | 6.82\% |
| Actuarial Accrued Liability (millions - Entry Age Normal) | \$7,188 | \$6,609 | \$6,165 |
| Percent of AAL Funded (based on actuarial value of assets) | 76.4\%@ | $76.0 \%$ ^ | 76.7\%* |
| Present Value of Accrued Benefits (millions) | \$5,900 | \$5,371 | \$4,940 |
| Percent of PVAB Funded (based on actuarial value of assets) | 93.1\% | 93.6\% | 95.8\% |
| Termination Liability (millions) | \$6,244 | \$5,606 | \$5,156 |
| Percent of Liability Funded (based on actuarial value of assets) | 88.0\% | 89.7\% | 91.8\% |
| Employer Normal Cost (millions) | \$ 119 | \$ 113 | \$ 112 |
| Amortization Payment (millions)\# | 96 | 87 | 78 |
| Total Regular Annual Contribution (millions) | \$ 215 | \$ 200 | \$ 190 |

\# The amortization payment excludes 18 closed municipalities in 2006 and 16 closed municipalities in 2005 and 2004.
@ The December 31, 2006 funded percentage would have been 76.5\% if not for benefit provision changes and new municipalities first reflected in the 2006 valuation.
$\wedge \quad$ The December 31, 2005 funded percentage would have been $76.3 \%$ if not for benefit provision changes and new municipalities first reflected in the 2005 valuation.

* The December 31, 2004 funded percentage would have been 77.3\% if not for assumption changes, benefit provision changes and new municipalities first reflected in the 2004 valuation. Assumption changes reduced the funded percentage by $.2 \%$. Benefit provision changes and new municipalities reduced the funded percentage by $.4 \%$.


## II. Membership Characteristics

## Active Members

The total number of defined benefit plan active members increased from 36,467 on December 31, 2005 to 36,846 on December 31, 2006.

The basic demographic characteristics of the active members are shown below with comparative statistics for the past two years.

| Item | December 31, <br> 2006 | December 31, <br> 2005 | December 31, <br> 2004 |
| :--- | :---: | :---: | :---: |
| Number of defined benefit plan | 36,846 | 36,467 | 36,766 |
| active members | 45.1 | 44.9 | 44.6 |
| Average age | 11.2 | 11.1 | 10.8 |
| Average benefits service | 11.5 | 11.4 | 11.1 |
| Average vesting service | $\$ 41,955$ | $\$ 40,102$ | $\$ 39,091$ |
| Average compensation | $\$ 1,545.9$ | $\$ 1,462.4$ | $\$ 1,437.2$ |
| Aggregate compensation (millions) |  |  |  |

## Vested Former Members

A vested former member is a person who terminated employment after 10 or more years of service (6 or 8 years with Benefit V-6 or V-8), with rights to a deferred benefit commencing at age 60 (or earlier if "F" benefits have been adopted).

There were 6,235 former employees with deferred vested rights as of December 31, 2006. This compares to 6,126 such members as of the prior valuation.

| Item | December 31, <br> 2006 | December 31, <br> 2005 | December 31, <br> 2004 |
| :--- | :---: | :---: | :---: |
| Number of vested former members | 6,235 | 6,126 | 5,804 |
| Average age | 48.9 | 48.8 | 48.5 |
| Average annual deferred benefit | $\$ 7,395$ | $\$ 7,165$ | $\$ 6,990$ |

## Retirees and Beneficiaries

There were 21,464 retirees and beneficiaries receiving payments as of December 31, 2006. The table below presents age and benefit information as of the current valuation and for the past two years.

| Item | December 31, <br> 2006 | December 31, <br> 2005 | December 31, <br> 2004 |
| :--- | :---: | :---: | :---: |
| Number of pensioners | 21,464 | 20,155 | 19,271 |
| Average age | 69.1 | 69.2 | 68.4 |
| Average annual benefit | $\$ 15,026$ | $\$ 14,292$ | $\$ 13,607$ |

## Defined Contribution Plan Participants and Total MERS Participants

Although defined contribution plan participants are not included in the annual actuarial valuation of the MERS defined benefit plan, the trend in defined contribution participation is of interest. As of December 31, 2006, 18 participating municipalities have adopted defined contribution benefits only. Numerous municipality defined benefit divisions have established defined contribution plan benefits for future new employees. Existing defined benefit plan active members of many of those divisions were offered the choice of plans. The table below shows recent trends in defined contribution plan participation and overall MERS participants.

| Item | December 31, <br> $\mathbf{2 0 0 6}$ | December 31, <br> $\mathbf{2 0 0 5}$ | December 31, <br> $\mathbf{2 0 0 4}$ |
| :---: | :---: | :---: | :---: |
| Number of participants |  |  |  |
| Total | 71,572 | 68,915 | 67,140 |
| Defined benefit plan | 64,545 | 62,748 | 61,841 |
| \% of total | $90.2 \%$ | $91.1 \%$ | $92.1 \%$ |
| Defined contribution plan | 7,027 | 6,167 | 5,299 |
| $\%$ of total | $9.8 \%$ | $8.9 \%$ | $7.9 \%$ |

Table 2 provides a historical comparison of the number of active and vested former members included in the actuarial valuations, along with the number of participating municipalities.

Table 3 shows a history of the number and annual benefits paid to retirees and beneficiaries, together with various ratios.

Table 4 presents a historical development of retirees and beneficiaries added or removed from the rolls.

Chart 1 presents a comparison of the growth in participating employers to the growth in plan participants (active members, vested former members and retirees).

Chart 2 illustrates graphically the historical growth in the number of active members and retirees and beneficiaries.

Charts 3 and 4 illustrate how MERS has matured over the years. Over time the number of active members per retiree has declined from over 7 to below 2. The benefit payout as a percentage of active member payroll has increased to over $20 \%$.

Table 5 shows the distribution of active members by age and service and includes information on average compensation.

Table 6 shows the retirees and beneficiaries by attained age, while Tables 7 and 8 present distributions of retirees and beneficiaries on the rolls by the types of benefit being paid and option selected.

Finally, Table 9 shows the distribution of benefit provisions in effect for the 2006 and past two valuations.

TABLE 2
Participating Municipalities and Covered Persons Historical Comparison

| $\begin{gathered} \hline \text { Valuation } \\ \text { Date } \\ \text { Dec. 31, } \\ \hline \hline \end{gathered}$ | No. of <br> Participating <br> Municipalities | Active Members |  |  |  | Persons on Deferred Status | Annual <br> Deferred <br> Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Annual Payroll | Average Pay | Percent Increase |  |  |
| 1972 | 276 | 19,652 | \$ 156,544,021 | \$ 7,966 | 6.9\% | 248 |  |
| 1973 | 286 | 20,587 | 173,585,082 | 8,432 | 5.8 | 300 |  |
| 1974 | 291 | 21,853 | 196,874,730 | 9,009 | 6.8 | 273 |  |
| 1975 | 299 | 27,358 | 243,726,619 | 8,909 | (1.1) | 311 |  |
| 1976 | 312 | 26,951 | 263,792,787 | 9,788 | 9.9 | 306 |  |
| 1977 | 320 | 28,772 | 292,097,384 | 10,152 | 3.7 | 321 |  |
| 1978 | 324 | 28,066 | 314,343,079 | 11,200 | 10.3 | 366 |  |
| 1979 | 332 | 29,148 | 352,208,832 | 12,083 | 7.9 | 363 |  |
| 1980 | 334 | 29,528 | 399,413,360 | 13,527 | 12.0 | 432 |  |
| 1981 | 332 | 29,289 | 430,542,086 | 14,700 | 8.7 | 439 |  |
| 1982 | 333 | 28,896 | 461,539,421 | 15,972 | 8.7 | 504 |  |
| 1983 | 336 | 29,095 | 483,436,531 | 16,616 | 4.0 | 524 |  |
| 1984 | 337 | 28,927 | 505,865,473 | 17,488 | 5.2 | 549 |  |
| 1985 | 342 | 29,659 | 544,238,433 | 18,350 | 4.9 | 641 |  |
| 1986 | 345 | 30,036 | 577,785,159 | 19,236 | 4.8 | 681 |  |
| 1987 | 349 | 29,802 | 598,014,814 | 20,066 | 4.3 | 846 |  |
| 1988 | 361 | 30,345 | 635,074,449 | 20,928 | 4.3 | 839 |  |
| 1989 | 370 | 31,313 | 674,297,441 | 21,534 | 2.9 | 955 |  |
| 1990 | 381 | 32,256 | 725,691,155 | 22,498 | 4.5 | 1,261 |  |
| 1991 | 401 | 33,118 | 782,914,985 | 23,640 | 5.1 | 1,605 |  |
| 1992 | 418 | 34,001 | 852,361,539 | 25,069 | 6.0 | 1,855 |  |
| 1993 | 438 | 34,139 | 869,313,319 | 25,464 | 1.6 | 1,941 |  |
| 1994 | 463 | 34,994 | 925,500,706 | 26,447 | 3.9 | 2,034 |  |
| 1995 | 490 | 35,611 | 972,975,649 | 27,322 | 3.3 | 2,322 |  |
| 1996 | 506 | 36,070 | 1,025,214,728 | 28,423 | 4.0 | 2,713 |  |
| 1997 | 529 | 36,547 | 1,068,597,733 | 29,239 | 3.0 | 3,752 |  |
| 1998 | 541 | 36,817 | 1,163,056,817 | 31,590 | 8.0 | 4,369 |  |
| 1999 | 552 | 36,472 | 1,179,274,854 | 32,334 | 2.4 | 4,794 |  |
| 2000 | 560 | 36,573 | 1,225,992,204 | 33,522 | 3.7 | 5,303 |  |
| 2001 | 561 | 36,583 | 1,271,563,960 | 34,758 | 3.7 | 5,799 | \$34,788,263 |
| 2002 | 575 | 37,043 | 1,327,360,448 | 35,833 | 3.1 | 5,510 | 35,150,225 |
| 2003 | 594 | 37,159 | 1,381,197,725 | 37,170 | 3.7 | 5,575 | 37,240,512 |
| 2004 | 615 | 36,766 | 1,437,211,517 | 39,091 | 5.2 | 5,804 | 40,567,372 |
| 2005 | 644 | 36,467 | 1,462,411,810 | 40,102 | 2.6 | 6,126 | 43,894,457 |
| 2006 | 668 | 36,846 | 1,545,886,480 | 41,955 | 4.6 | 6,235 | 46,110,745 |

TABLE 3

## Benefits Being Paid to Retirees and Beneficiaries Historical Comparison

| Valuation Date December 31, | Number of Retirees and Beneficiaries | Percent Increase in Retirees and Beneficiaries | Annual Retirement Allowances | Percent Increase in Retirement Allowances |
| :---: | :---: | :---: | :---: | :---: |
| 1972 | 3,658 | 9.0\% | \$ 5,003,270 | 16.9\% |
| 1973 | 4,040 | 10.4 | 5,913,130 | 18.2 |
| 1974 | 4,338 | 7.4 | 6,706,607 | 13.4 |
| 1975 | 4,615 | 6.4 | 7,538,299 | 12.4 |
| 1976 | 4,963 | 7.5 | 8,753,807 | 16.1 |
| 1977 | 5,316 | 7.1 | 10,753,677 | 22.8 |
| 1978 | 5,648 | 6.2 | 12,012,571 | 11.7 |
| 1979 | 6,010 | 6.4 | 13,450,368 | 12.0 |
| 1980 | 6,423 | 6.9 | 15,234,503 | 13.3 |
| 1981 | 6,861 | 6.8 | 17,446,778 | 14.5 |
| 1982 | 7,175 | 4.6 | 19,618,191 | 12.4 |
| 1983 | 7,554 | 5.3 | 21,674,209 | 10.5 |
| 1984 | 7,902 | 4.6 | 24,369,121 | 12.4 |
| 1985 | 8,343 | 5.6 | 27,747,190 | 13.9 |
| 1986 | 8,741 | 4.8 | 31,567,968 | 13.8 |
| 1987 | 9,104 | 4.2 | 35,740,364 | 13.2 |
| 1988 | 9,500 | 4.3 | 40,676,119 | 13.8 |
| 1989 | 9,863 | 3.8 | 45,635,598 | 12.2 |
| 1990 | 10,317 | 4.6 | 51,738,242 | 13.4 |
| 1991 | 11,061 | 7.2 | 61,807,210 | 19.5 |
| 1992 | 11,617 | 5.0 | 71,044,806 | 14.9 |
| 1993 | 12,040 | 3.6 | 80,964,212 | 14.0 |
| 1994 | 12,492 | 3.8 | 91,226,923 | 12.7 |
| 1995 | 13,032 | 4.3 | 102,010,673 | 11.8 |
| 1996 | 13,263 | 1.8 | 109,841,190 | 7.7 |
| 1997 | 14,236 | 7.3 | 123,112,928 | 12.1 |
| 1998 | 14,790 | 3.9 | 138,700,740 | 12.7 |
| 1999 | 15,325 | 3.6 | 152,771,711 | 10.1 |
| 2000 | 16,275 | 6.2 | 173,549,622 | 13.6 |
| 2001 | 16,905 | 3.9 | 191,785,646 | 10.5 |
| 2002 | 17,538 | 3.7 | 210,982,922 | 10.0 |
| 2003 | 18,443 | 5.2 | 236,588,632 | 12.1 |
| 2004 | 19,271 | 4.5 | 262,221,987 | 10.8 |
| 2005 | 20,155 | 4.6 | 288,061,637 | 9.9 |
| 2006 | 21,464 | 6.5 | 322,522,645 | 12.0 |

TABLE 4

## RETIREES AND BENEFICIARIES ADDED AND REMOVED Historical Comparison

| $\begin{array}{c}\text { Year Ended } \\ \text { December 31, }\end{array}$ | No. |  | $\begin{array}{c}\text { Annual } \\ \text { Allowances }\end{array}$ |  | No. |  |
| :---: | ---: | ---: | ---: | ---: | ---: | ---: | \(\left.\begin{array}{c}Annual <br>

Allowances\end{array}\right)\)

## Chart 1

## MERS GROWTH



Chart 2

## Active and Retired Participants



## Chart 3

Active Members Per Pension Recipient


Chart 4
Benefits as Percent of Pay


## TABLE 5

## Number and Average Pay of Members in Active Service as of December 31, 2006 by Age and Years of Benefit Service

| Age | Total | Years of Benefit Service |  |  |  |  |  | 30 \& Over |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 |  |
| Total | 36,846 | 10,466 | 9,293 | 5,893 | 4,785 | 3,078 | 2,152 | 1,179 |
|  | \$41,955 | \$34,251 | \$41,659 | \$44,499 | \$46,767 | \$48,571 | \$49,060 | \$50,206 |
| Under 20 | 81 | 81 |  |  |  |  |  |  |
|  | \$15,947 | \$15,947 |  |  |  |  |  |  |
| 20-24 | 992 | 969 | 23 |  |  |  |  |  |
|  | \$27,724 | \$27,649 | \$30,892 |  |  |  |  |  |
| 25-29 | 2,585 | 1,860 | 706 | 19 |  |  |  |  |
|  | \$36,674 | \$34,877 | \$41,433 | \$35,747 |  |  |  |  |
| 30-34 | 3,503 | 1,467 | 1,624 | 399 | 12 | 1 |  |  |
|  | \$42,026 | \$36,669 | \$45,536 | \$47,447 | \$39,120 | \$72,254 |  |  |
| 35-39 | 4,703 | 1,437 | 1,636 | 1,208 | 407 | 15 |  |  |
|  | \$43,828 | \$36,130 | \$44,327 | \$50,357 | \$49,468 | \$48,115 |  |  |
| 40-44 | 5,273 | 1,232 | 1,411 | 1,067 | 1,109 | 421 | 33 |  |
|  | \$43,537 | \$35,444 | \$41,605 | \$45,805 | \$50,836 | \$48,979 | \$40,224 |  |
| 45-49 | 6,326 | 1,304 | 1,361 | 1,090 | 1,085 | 884 | 564 | 38 |
|  | \$42,507 | \$32,858 | \$39,324 | \$42,914 | \$47,198 | \$51,264 | \$48,700 | \$46,322 |
| 50-54 | 6,583 | 1,032 | 1,220 | 1,002 | 1,056 | 889 | 880 | 504 |
|  | \$43,758 | \$35,400 | \$39,306 | \$41,602 | \$45,369 | \$49,467 | \$50,591 | \$50,561 |
| 55-59 | 4,478 | 717 | 807 | 695 | 760 | 583 | 475 | 441 |
|  | \$43,065 | \$36,148 | \$40,521 | \$41,222 | \$44,201 | \$46,204 | \$47,861 | \$50,601 |
| 60-64 | 1,731 | 261 | 358 | 296 | 281 | 225 | 149 | 161 |
|  | \$40,888 | \$32,495 | \$37,351 | \$41,050 | \$41,103 | \$42,858 | \$50,348 | \$50,183 |
| 65 \& Over | 591 | 106 | 147 | 117 | 75 | 60 | 51 | 35 |
|  | \$31,812 | \$22,211 | \$30,327 | \$31,231 | \$33,848 | \$36,883 | \$39,761 | \$44,430 |

TABLE 6

## RETIREES AND BENEFICIARIES <br> AS OF DECEMBER 31, 2006 <br> Tabulated by Attained Ages

| Age | Number |
| :---: | :---: |
| Total |  |
| Under 50 | 21,464 |
| $50-54$ | 455 |
| $55-59$ | 1,074 |
| $60-64$ | 2,730 |
| $65-69$ | 4,014 |
| $70-74$ | 3,675 |
| $75-79$ | 3,158 |
| $80-84$ | 2,558 |
| $85-89$ | 2,007 |
| $90 \&$ Over | 1,206 |
| Certain Only\# | 535 |
|  | 52 |

\# These are beneficiaries of deceased retirees who had elected years certain and life options. The beneficiaries receive benefits until the end of the term certain period.

TABLE 7

## Allowances Being Paid Retirees and Beneficiaries DECEMBER 31, 2006 Tabulated by Type of Benefit Being Paid

| Monthly Benefits | All Retired Members | Type of Benefit |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 |
| \$ 0-199 | 1,769 | 1,131 | 38 | 25 | 479 | 95 | 1 |
| 200-399 | 3,059 | 2,056 | 109 | 59 | 676 | 146 | 13 |
| 400-599 | 2,704 | 1,856 | 147 | 52 | 526 | 109 | 14 |
| 600-799 | 2,127 | 1,560 | 111 | 37 | 322 | 87 | 10 |
| 800-999 | 1,788 | 1,369 | 98 | 44 | 200 | 70 | 7 |
| 1000-1199 | 1,502 | 1,184 | 88 | 21 | 155 | 49 | 5 |
| 1200-1399 | 1,221 | 977 | 69 | 20 | 128 | 25 | 2 |
| 1400-1599 | 1,090 | 931 | 35 | 13 | 87 | 23 | 1 |
| 1600-1799 | 907 | 786 | 32 | 14 | 55 | 18 | 2 |
| 1800-1999 | 847 | 764 | 16 | 5 | 47 | 13 | 2 |
| 2000 \& Over | 4,450 | 4,239 | 55 | 17 | 95 | 41 | 3 |
| Totals | 21,464 | 16,853 | 798 | 307 | 2,770 | 676 | 60 |
| Total Monthly Benefits | 26,876,887 | 23,493,174 | 733,748 | 256,437 | 1,823,138 | 520,748 | 49,642 |

## Type of Benefit

1. Normal Retirement for age and service
2. Non-Duty Disability*
3. Duty Disability*
4. Beneficiaries
5. Non-Duty Death
6. Duty Death
[^0]TAble 8

## Allowances Being Paid Retirees and Beneficiaries DECEMBER 31, 2006 <br> Tabulated by Optional Form of Benefit Being Paid

| Monthly Benefits | All <br> Retired <br> Members | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ 0-199 | 1,769 | 566 | 13 | 0 | 233 | 59 | 15 | 10 | 12 | 13 | 848 |
| 200-399 | 3,059 | 859 | 18 | 1 | 375 | 95 | 20 | 32 | 18 | 22 | 1,619 |
| 400-599 | 2,704 | 762 | 57 | 1 | 341 | 62 | 28 | 26 | 14 | 30 | 1,383 |
| 600-799 | 2,127 | 601 | 39 | 0 | 297 | 45 | 32 | 36 | 10 | 22 | 1,045 |
| 800-999 | 1,788 | 457 | 45 | 0 | 305 | 23 | 38 | 37 | 9 | 17 | 857 |
| 1000-1199 | 1,502 | 465 | 70 | 5 | 254 | 20 | 18 | 29 | 9 | 13 | 619 |
| 1200-1399 | 1,221 | 379 | 56 | 1 | 226 | 10 | 12 | 11 | 4 | 13 | 509 |
| 1400-1599 | 1,090 | 345 | 47 | 0 | 244 | 6 | 14 | 14 | 6 | 7 | 407 |
| 1600-1799 | 907 | 298 | 63 | 3 | 179 | 9 | 10 | 10 | 3 | 10 | 322 |
| 1800-1999 | 847 | 261 | 58 | 0 | 181 | 7 | 7 | 8 | 2 | 5 | 318 |
| 2000 \& Over | 4,450 | 1,348 | 479 | 5 | 1,052 | 34 | 39 | 52 | 25 | 42 | 1,374 |
| Totals | 21,464 | 6,341 | 945 | 16 | 3,687 | 370 | 233 | 265 | 112 | 194 | 9,301 |
| Total Monthly Benetit | \$26,876,887 | \$8,052,699 | \$2,041,311 | \$25,278 | \$5,597,264 | \$290,992 | \$282,872 | \$330,100 | \$138,767 | \$239,523 | \$9,878,081 |

## Option Selected

1. Beneficiary draws $100 \%$ of retiree's benefit
2. Beneficiary draws $75 \%$ of retiree's benefit
3. Beneficiary draws $60 \%$ of retiree's benefit
4. Beneficiary draws $50 \%$ of retiree's benefit
5. Equated option (changing at Social Security age)
6. 5 year certain and life
7. 10 year certain and life
8. 15 year certain and life
9. 20 year certain and life
10. Straight life allowance

TABLE 9

## VALUATION DIVISIONS IN 2006, 2005, AND 2004 VALUATIONS TABULATED BY BENEFIT PLAN <br> (Excludes 18 Closed Municipalities with 22 Divisions in 2006 and 16 Closed Municipalities with 20 Divisions in 2005 and 2004)

| Benefits | Number of Divisions with Benefit on December 31, |  |  |
| :---: | :---: | :---: | :---: |
|  | 2006 | 2005 | 2004 |
| Benefit A | 2 | 2 | 2 |
| Benefit B-1 | 71 | 70 | 72 |
| Benefit B-2 | 337 | 341 | 349 |
| Benefit B-3 | 511 | 502 | 504 |
| Benefit B-4-75\% Max | 2 | 0 | 0 |
| Benefit B-4 | 812 | 779 | 736 |
| Benefit C New | 14 | 12 | 11 |
| Benefit C Old | 7 | 7 | 7 |
| Benefit C-1 New | 40 | 41 | 36 |
| Benefit C-1 Old | 21 | 23 | 26 |
| Benefit C-2 |  |  |  |
| (Base B-1) | 33 | 38 | 35 |
| (Base C-1 New) | 1 | 1 | 0 |
| (Base C-1 Old) | 9 | 10 | 10 |
| Non Standard Benefit C-2 |  |  |  |
| B-4 (Base B-3) | 2 | 2 | 2 |
| B-4 to 65 (Base B-3) | 1 | 1 | 1 |
| 2.8\% (Base B-4) | 1 | 1 | 1 |
| 2.35\% to maximum of 80\% | 4 | 4 | 4 |
| 2.75\% to maximum of 75\% | 1 | 0 | 0 |
| 2.75\% to maximum of $80 \%$ | 20 | 13 | 8 |
| 2.80\% to maximum of 80\% | 19 | 13 | 5 |
| 2.80\% (25 years) + 1.00\% (over 25) | 4 | 4 | 4 |
| 2.80\% (30 years) + 1.00\% (over 30) | 1 | 1 | 1 |
| 3.00\% to maximum of 80\% | 23 | 18 | 13 |
| $3.20 \%$ to maximum of $80 \%$ | 9 | 10 | 9 |
| Old Plan Benefits | 7 | 6 | 6 |
| Total Divisions | 1,952 | 1,899 | 1,842 |

## III. Actuarial Value of Assets

For actuarial valuation purposes, the actuarial value of assets is determined on the basis of a valuation method that assumes the fund earns the expected rate of return (8\%), and includes an adjustment to reflect market value. This procedure was instituted for the December 31, 2005 valuation, and is applied as follows:
(i) Preliminary value is determined by taking the sum of the actuarial value at the beginning of the year and the excess of income over expenses during the year, assuming that the fund earns the assumed rate (8\%) during the year.
(ii) This value is written-up or written-down by recognizing $10 \%$ of the current year's difference between actual and expected return and $10 \%$ of that difference for the 9 prior years. Actual return for the year includes net interest, dividends, realized and unrealized gains or losses.

The cumulative difference between the market value and valuation assets as of December 31, 2005 is recognized over 9 years.

For the December 31, 2006 valuation, this procedure produced an actuarial asset value that is equal to $98.62 \%$ of market value (compared to $102.71 \%, 102.45 \%$, $109.52 \%$, and $125.85 \%$ in 2005,2004 , 2003, and 2002, respectively).

In table 37 on pages 94 and 95, we have illustrated the development of the actuarial value of assets for the December 31, 2001 through December 31, 2006 actuarial valuations. The market value of assets reported to the actuary includes most accounts receivables.

## IV. Employer Contributions and Funded Status

In the tables and charts that follow, we have illustrated the employer contribution requirements and funded status of the participating municipalities within MERS. This information is aggregated by division or municipality, as indicated in each table or chart.

- Table 10 provides a distribution of average employer contribution rates by type of benefit program. This information is shown on a divisional basis.
- Chart 5 provides a distribution of the active municipalities by funded percentage of the entire municipality.
- Chart 6 provides a distribution of divisions by employer contribution rate.
- Tables 11-A, 11-B, 11-C, and 11-D provide a historical comparison of the funded status of MERS.
- Table 12 provides the funded status of the present value of accrued benefits and the termination liability for all MERS municipalities in the aggregate.
- Table 13 provides additional historical funding information.


## TABLE 10

## COMPUTED EMPLOYER CONTRIBUTION RATES <br> (Excludes 408 Closed Divisions and 22 Divisions of 18 Closed Municipalities)

| Benefit <br> Program | Contributory Groups |  |  | Non-Contributory Groups |  | Total Groups |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. of Divisions | Member Contrib. Avg. \% | Employer Contrib. Avg. \% | No. of Divisions | Employer Contrib. Avg. \% | No. of Divisions | Employer Contrib. Avg. \% |
| Benefit B-1 | 32 | 3.36 | 4.82 | 24 | 8.81 | 56 | 5.76 |
| Benefit B-2 | 140 | 3.54 | 8.64 | 128 | 10.46 | 268 | 9.56 |
| Benefit B-3 | 237 | 4.16 | 9.00 | 171 | 13.58 | 408 | 11.10 |
| Benefit B-4 | 422 | 4.86 | 12.96 | 216 | 19.67 | 638 | 14.56 |
| Benefit C New | 7 | 5.10 | 2.29 | 6 | 6.78 | 13 | 3.67 |
| Benefit C Old | 3 | 0.47 | 5.86 | 2 | 7.69 | 5 | 6.74 |
| Benefit C-1 New | 22 | 3.94 | 1.83 | 14 | 7.36 | 36 | 3.82 |
| Benefit C-1 Old | 8 | 2.51 | 5.51 | 7 | 5.95 | 15 | 5.74 |
| Benefit C-2 <br> (B-1 Base) | 17 | 4.65 | 6.94 | 11 | 9.30 | 28 | 8.13 |
| (C-1 New Base) | 1 | 4.70 | 1.66 | -- | -- | 1 | 1.66 |
| (C-1 Old Base) | 3 | 4.11 | 2.52 | 5 | 9.77 | 8 | 3.92 |
| Non Standard C-2 <br> B-4 (B-3 Base) | 2 | 0.94 | 12.86 | -- | -- | 2 | 12.86 |
| 2.35\%-80\% Max | -- | -- | -- | 4 | 33.07 | 4 | 33.07 |
| 2.75\% - 80\% Max | 12 | 7.93 | 15.34 | 1 | 16.10 | 13 | 15.40 |
| 2.80\% - 80\% Max | 17 | 5.75 | 14.59 | -- | -- | 17 | 14.59 |
| 2.8\% (1\%>25y) | -- | -- | -- | 4 | 35.81 | 4 | 35.81 |
| 2.8\% (1\%>30y) | -- | -- | -- | 1 | 70.30 | 1 | 70.30 |
| 3.00\% - 80\% Max | 19 | 5.29 | 17.99 | 1 | 25.53 | 20 | 18.22 |
| 3.20\% - 80\% Max | 7 | 13.53 | 16.68 | -- | -- | 7 | 16.68 |
| Total | 949 | 4.70 | 11.08 | 595 | 14.58 | 1,544 | 12.30 |

## Additional Benefit Programs <br> (Excludes 22 Divisions of 18 Closed Municipalities)

| Benefit <br> Program | No. of <br> Divisions | Benefit <br> Program | No. of <br> Divisions | Benefit <br> Program | No. of <br> Divisions | Benefit <br> Program | No. of <br> Divisions | Benefit <br> Program | No. of <br> Divisions |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20 \& out | 14 | E-1 | 290 | F50 | 389 | FAC-3 | 809 | V-5 |  |
| 21 \& out | 1 | E-2 | 605 | F51 | 1 | FAC-4 | 1 | 8 |  |
| 22 \& out | 1 | D-2 | 41 | F53 | 5 | FAC-5 | 1,135 | V-8 | 362 |
| 25 \& out | 93 | RS 50\% | 131 | F55 | 1,126 | Old Plan | 7 | V-10 | 1,413 |
| 30 \& out | 4 | RS 100\% | 1 |  |  |  |  | Old Plan | 7 |
|  |  |  |  |  |  |  |  |  |  |

## CHART 5

Distribution of Funded Percentage of Actuarial Accrued Liability Among the 650 Participating Municipalities as of December 31, 2006


Chart 6
DISTRIBUTION OF MUNICIPALITY DIVISIONS BY EMPLOYER CONTRIBUTION RATE


TABLE 11-A

## Accrued Liabilities and Funded Percentages Historical Comparison

| Valuation <br> Date <br> Dec. 31, | Non-Retired Members Accrued Liabilities | Annual Allowances Being Paid |  <br> Beneficiary <br> Liabilities | Aggregate Accrued Liabilities | Aggregate <br> Valuation <br> Assets | Ratio of Valuation Assets to Accrued Liabilities |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1972 | \$ 127,143,608 | \$ 5,003,270 | \$ 47,013,254 | \$ 174,156,862 | \$ 114,341,481 | 65.7\% |
| 1973 | 142,925,270 | 5,913,130 | 55,980,829 | 198,906,099 | 130,956,299 | 65.8 |
| 1974 | 160,249,089 | 6,706,607 | 64,072,947 | 224,322,036 | 152,455,503 | 68.0 |
| 1975 | 188,566,575 | 7,538,299 | 71,708,510 | 260,275,085 | 177,758,126 | 68.3 |
| 1976 | 211,840,776 | 8,753,807 | 90,361,506 | 302,202,282 | 209,071,263 | 69.2 |
| 1977 | 244,970,343 | 10,753,677 | 103,736,444 | 348,706,787 | 243,536,698 | 69.8 |
| 1978 | 276,353,722 | 12,012,571 | 115,949,168 | 392,302,890 | 280,893,767 | 71.6 |
| 1979 | 315,733,909 | 13,450,368 | 130,607,800 | 446,341,709 | 327,542,457 | 73.4 |
| 1980 | 362,838,351 | 15,234,503 | 148,945,789 | 511,784,140 | 387,265,070 | 75.7 |
| 1981 | 363,323,286 | 17,446,778 | 149,976,466 | 513,299,752 | 473,256,032 | 92.2 |
| 1982 | 414,051,335 | 19,618,191 | 168,634,555 | 582,685,890 | 556,991,697 | 95.6 |
| 1983 | 446,269,077 | 21,674,209 | 186,670,065 | 632,939,142 | 662,916,808 | 104.7 |
| 1984 | 461,576,458 | 24,369,121 | 210,461,164 | 672,037,622 | 753,645,676 | 112.1 |
| 1985 | 515,821,524 | 27,747,190 | 241,109,150 | 756,930,674 | 852,594,742 | 112.6 |
| 1986 | 561,682,159 | 31,567,968 | 274,975,217 | 836,657,376 | 975,239,340 | 116.6 |
| 1987 | 562,053,213 | 35,740,364 | 312,365,574 | 874,418,787 | 1,101,948,565 | 126.0 |
| 1988 | 607,495,332 | 40,676,119 | 356,617,104 | 964,112,436 | 1,178,554,489 | 122.3 |
| 1989 | 680,170,204 | 45,635,598 | 402,345,765 | 1,082,515,969 | 1,299,895,892 | 120.1 |
| 1990 | 775,542,300 | 51,738,242 | 457,239,911 | 1,232,782,211 | 1,397,164,304 | 113.3 |
| 1991 | 878,855,313 | 61,807,210 | 562,788,136 | 1,441,643,449 | 1,550,887,208 | 107.6 |
| 1992 | 996,091,502 | 71,044,806 | 648,167,481 | 1,644,258,983 | 1,720,222,990 | 104.6 |
| 1993 | 1,442,124,270 | 80,964,212 | 704,868,169 | 2,146,992,632 | 1,863,307,761 | 86.8 |
| 1994 | 1,624,832,681 | 91,226,923 | 844,417,739 | 2,469,250,420 | 1,986,586,888 | 80.5 |
| 1995 | 1,775,482,400 | 102,010,673 | 968,431,013 | 2,743,913,413 | 2,166,888,155 | 79.0 |
| 1996 | 1,940,753,420 | 109,841,190 | 1,035,006,491 | 2,975,759,911 | 2,386,832,847 | 80.2 |
| 1997 | 2,110,440,654 | 124,469,481 | 1,174,726,785 | 3,285,167,459 | 2,692,666,308 | 82.0 |
| 1998 | 2,275,823,309 | 138,700,740 | 1,316,174,131 | 3,591,997,440 | 3,030,361,014 | 84.4 |
| 1999 | 2,372,394,581 | 152,771,711 | 1,463,153,486 | 3,835,548,067 | 3,464,935,295 | 90.3 |
| 2000 | 2,652,393,426 | 173,549,622 | 1,744,617,407 | 4,397,010,833 | 3,787,192,159 | 86.1 |
| 2001 | 2,839,295,057 | 191,785,646 | 1,944,557,814 | 4,783,852,871 | 4,034,376,766 | 84.3 |
| 2002 | 3,022,035,098 | 210,982,922 | 2,159,117,550 | 5,181,152,648 | 4,132,989,295 | 79.8 |
| 2003 | 3,232,507,773 | 236,588,632 | 2,435,240,158 | 5,667,747,931 | 4,459,492,556 | 78.7 |
| 2004 | 3,468,273,493 | 262,221,987 | 2,696,552,909 | 6,164,826,402 | 4,731,421,917 | 76.7 |
| 2005 | 3,642,919,909 | 288,061,637 | 2,966,188,567 | 6,609,108,476 | 5,026,080,689 | 76.0 |
| 2006 | 3,873,227,261 | 322,522,645 | 3,314,517,721 | 7,187,744,982 | 5,493,761,771 | 76.4 |

## Table 11-B

## Reserve for Employee Contributions Aggregate Accrued Liabilities and Aggregate Valuation Assets Historical Comparison

| Valuation Date <br> December 31, | Aggregate <br> Accrued <br> Liabilities | Aggregate <br> Valuation <br> Assets | Ratio of <br> Valuation Assets to <br> Accrued Liabilities |
| :---: | :---: | :---: | :---: |
| 1972 | $\$ 32,673,553$ | $\$ 32,673,553$ | $100.0 \%$ |
| 1973 | $37,055,398$ | $37,055,398$ | 100.0 |
| 1974 | $42,914,325$ | $42,914,325$ | 100.0 |
| 1975 | $50,542,901$ | $50,542,901$ | 100.0 |
| 1976 | $57,510,496$ | $57,510,496$ | 100.0 |
| 1977 | $63,787,655$ | $63,787,655$ | 100.0 |
| 1978 | $70,679,181$ | $70,679,181$ | 100.0 |
| 1979 | $78,583,584$ | $78,583,584$ | 100.0 |
| 1980 | $87,322,139$ | $87,322,139$ | 100.0 |
| 1981 | $99,974,213$ | $99,974,213$ | 100.0 |
| 1982 | $110,972,544$ | $110,972,544$ | 100.0 |
| 1983 | $123,119,737$ | $123,119,737$ | 100.0 |
| 1984 | $134,610,254$ | $134,610,254$ | 100.0 |
| 1985 | $146,719,594$ | $146,719,594$ | 100.0 |
| 1986 | $158,270,468$ | $158,270,468$ | 100.0 |
| 1987 | $166,483,204$ | $166,483,204$ | 100.0 |
| 1988 | $175,671,692$ | $175,671,692$ | 100.0 |
| 1989 | $184,507,092$ | $184,507,092$ | 100.0 |
| 1990 | $193,558,998$ | $193,558,998$ | 100.0 |
| 1991 | $202,674,346$ | $202,674,346$ | 100.0 |
| 1992 | $214,772,461$ | $214,772,461$ | 100.0 |
| 1993 | $221,196,735$ | $221,196,735$ | 100.0 |
| 1994 | $238,971,125$ | $238,971,125$ | 100.0 |
| 1995 | $250,640,757$ | $250,640,757$ | 100.0 |
| 1996 | $265,314,637$ | $265,314,637$ | 100.0 |
| 1997 | $277,465,847$ | $277,465,847$ | 100.0 |
| 1998 | $291,925,302$ | $291,925,302$ | 100.0 |
| 2009 | $305,474,698$ | $305,474,698$ | 100.0 |
| 2001 | $318,387,711$ | $318,387,711$ | 100.0 |
| 2002 | $336,500,799$ | $336,500,799$ | 100.0 |
| 2003 | $359,218,473$ | $359,218,473$ | 100.0 |
| 2006 | $396,680,584$ | $396,680,584$ | 100.0 |
|  | $422,536,663$ | $422,536,663$ | 100.0 |
|  | $463,025,882$ | $463,025,882$ | 100.0 |
|  | $318,036,804$ | 100.0 |  |
|  |  |  |  |

Table 11-C
Actuarial Accrued Liabilities for Retired Benefit Payments Historical Comparison

| Valuation Date December 31, | Annual Retirement Allowances | Aggregate Accrued Liabilities | Aggregate <br> Valuation <br> Assets | Ratio of Valuation Assets to Accrued Liabilities |
| :---: | :---: | :---: | :---: | :---: |
| 1972 | \$ 5,003,270 | \$ 47,013,254 | \$ 49,221,783 | 104.7\% |
| 1973 | 5,913,130 | 55,980,829 | 58,353,084 | 104.2 |
| 1974 | 6,706,607 | 64,072,947 | 66,582,630 | 103.9 |
| 1975 | 7,538,299 | 71,708,510 | 74,282,131 | 103.6 |
| 1976 | 8,753,807 | 90,361,506 | 93,578,119 | 103.6 |
| 1977 | 10,753,677 | 103,736,444 | 106,505,499 | 102.7 |
| 1978 | 12,012,571 | 115,949,168 | 117,165,585 | 101.0 |
| 1979 | 13,450,368 | 130,607,800 | 130,953,142 | 100.3 |
| 1980 | 15,234,503 | 148,945,789 | 149,933,072 | 100.7 |
| 1981 | 17,446,778 | 149,976,466 | 161,990,110 | 108.0 |
| 1982 | 19,618,191 | 168,634,555 | 181,975,448 | 107.9 |
| 1983 | 21,674,209 | 186,670,065 | 202,412,938 | 108.4 |
| 1984 | 24,369,121 | 210,461,164 | 210,461,164 | 100.0 |
| 1985 | 27,747,190 | 241,109,150 | 241,109,150 | 100.0 |
| 1986 | 31,567,968 | 274,975,217 | 274,975,217 | 100.0 |
| 1987 | 35,740,364 | 312,365,574 | 312,365,574 | 100.0 |
| 1988 | 40,676,119 | 356,617,104 | 356,617,104 | 100.0 |
| 1989 | 45,635,598 | 402,345,765 | 402,345,765 | 100.0 |
| 1990 | 51,738,242 | 457,239,911 | 457,239,911 | 100.0 |
| 1991 | 61,807,210 | 562,788,136 | 562,788,136 | 100.0 |
| 1992 | 71,044,806 | 648,167,481 | 648,167,481 | 100.0 |
| 1993 | 80,964,212 | 704,868,169 | 704,868,169 | 100.0 |
| 1994 | 91,226,923 | 844,417,739 | 844,417,739 | 100.0 |
| 1995 | 102,010,673 | 968,431,013 | 968,431,013 | 100.0 |
| 1996 | 109,841,190 | 1,035,006,491 | 1,035,006,491 | 100.0 |
| 1997 | 124,469,481 | 1,174,726,785 | 1,121,695,199 | 95.5 |
| 1998 | 138,700,740 | 1,316,174,131 | 1,255,316,779 | 95.4 |
| 1999 | 152,771,711 | 1,463,153,486 | 1,399,439,687 | 95.6 |
| 2000 | 173,549,622 | 1,744,617,407 | 1,661,933,518 | 95.3 |
| 2001 | 191,785,646 | 1,944,557,814 | 1,838,700,512 | 94.6 |
| 2002 | 210,982,922 | 2,159,117,550 | 2,012,124,629 | 93.2 |
| 2003 | 236,588,632 | 2,435,240,158 | 2,244,136,154 | 92.2 |
| 2004 | 262,221,987 | 2,696,552,909 | 2,464,191,571 | 91.4 |
| 2005 | 288,061,637 | 2,966,188,567 | 2,708,811,119 | 91.3 |
| 2006 | 322,522,645 | 3,314,517,721 | 3,027,004,180 | 91.3 |

Table 11-D
Reserve for Employer Contributions
Historical Comparison

| $\begin{gathered} \text { Valuation } \\ \text { Date } \\ \text { December 31, } \end{gathered}$ | Aggregate Accrued Liabilities (Excluding Retirees) | Aggregate Valuation Assets | Ratio of Valuation Assets to Accrued Liabilities | Unfunded Accrued Liabilities |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Aggregate Dollars | As Percent of Active Payroll |
| 1972 | \$ 94,470,055 | \$ 32,446,145 | 34.3\% | \$ 62,023,910 | 39.6\% |
| 1973 | 105,869,872 | 35,547,817 | 33.6 | 70,322,055 | 40.5 |
| 1974 | 117,334,764 | 42,958,548 | 36.6 | 74,376,216 | 37.8 |
| 1975 | 138,023,674 | 52,933,094 | 38.4 | 85,090,580 | 34.9 |
| 1976 | 154,330,280 | 57,982,648 | 37.6 | 96,347,632 | 36.5 |
| 1977 | 181,182,688 | 73,243,544 | 40.4 | 107,939,144 | 37.0 |
| 1978 | 205,674,541 | 93,049,001 | 45.2 | 112,625,540 | 35.8 |
| 1979 | 237,150,325 | 118,005,731 | 49.8 | 119,144,594 | 33.8 |
| 1980 | 275,516,212 | 150,009,859 | 54.4 | 125,506,353 | 31.4 |
| 1981 | 263,349,073 | 211,291,709 | 80.2 | 52,057,364 | 12.1 |
| 1982 | 303,078,791 | 264,043,705 | 87.1 | 39,035,086 | 8.5 |
| 1983 | 323,149,340 | 337,384,133 | 104.4 | - | - |
| 1984 | 326,966,204 | 408,574,258 | 125.0 | - | - |
| 1985 | 369,101,930 | 464,765,998 | 125.9 | - | - |
| 1986 | 403,411,691 | 541,993,655 | 134.4 | - | - |
| 1987 | 395,570,009 | 623,099,787 | 157.5 | - | - |
| 1988 | 431,823,640 | 647,265,693 | 149.9 | - | - |
| 1989 | 495,663,112 | 713,043,035 | 143.9 | - | - |
| 1990 | 581,983,302 | 746,365,395 | 128.2 | - | - |
| 1991 | 676,180,967 | 785,424,726 | 116.2 | - | - |
| 1992 | 781,319,041 | 857,283,048 | 109.7 | - | - |
| 1993 | 1,220,927,535 | 937,242,857 | 76.8 | 283,684,871 | 32.6 |
| 1994 | 1,385,861,556 | 903,198,024 | 65.2 | 482,663,536 | 52.2 |
| 1995 | 1,524,841,643 | 947,816,385 | 62.2 | 577,025,258 | 59.3 |
| 1996 | 1,675,438,783 | 1,086,511,719 | 64.8 | 588,927,064 | 57.4 |
| 1997 | 1,832,974,807 | 1,293,505,262 | 70.6 | 539,469,545 | 50.0 |
| 1998 | 1,983,898,007 | 1,483,118,933 | 74.2 | 500,779,074 | 43.1 |
| 1999 | 2,066,919,883 | 1,760,020,910 | 85.2 | 306,898,973 | 26.0 |
| 2000 | 2,334,005,715 | 1,806,870,930 | 77.4 | 527,134,785 | 43.0 |
| 2001 | 2,502,794,258 | 1,859,175,455 | 74.3 | 643,618,803 | 50.6 |
| 2002 | 2,662,816,625 | 1,761,646,193 | 66.2 | 901,170,432 | 67.9 |
| 2003 | 2,835,827,189 | 1,818,675,818 | 64.1 | 1,017,151,371 | 73.6 |
| 2004 | 3,045,736,830 | 1,844,693,683 | 60.6 | 1,201,043,147 | 83.6 |
| 2005 | 3,179,894,027 | 1,854,243,688 | 58.3 | 1,325,650,339 | 90.6 |
| 2006 | 3,355,190,457 | 1,948,720,787 | 58.1 | 1,406,469,670 | 91.0 |

## TABLE 12

## Present Value of Accrued Benefits as of December 31, 2006

| Type of Member | Present Value of <br> Accrued Benefit | Termination <br> Liability |
| :--- | :---: | :---: |
| Active Members | $\$ 2,313,845,847$ | $\$ 2,657,746,761$ |
| Vested Former Members | $262,358,560$ | $262,358,560$ |
| Retired Members and Beneficiaries | $3,314,517,721$ | $3,314,517,721$ |
| Pending Refunds | $9,626,962$ | $9,626,962$ |
| Total | $\$ 5,900,349,090$ | $\$ 6,244,250,004$ |
| Total Valuation Assets | $\$ 5,493,761,771$ | $\$ 5,493,761,771$ |
| Funded Percent | $93.1 \%$ | $88.0 \%$ |

## Comment

The Termination Liability represents the present value of benefits payable in the event that all active members terminate employment on December 31, 2006, based upon the valuation interest and mortality assumptions. The present value of accrued benefits (PVAB) includes vested and non-vested benefits accrued as of December 31, 2006. For a non-vested active member, the PVAB represents the present value of the non-vested accrued benefit, and the Termination Liability represents the present value of the non-vested accrued benefit (deferred to age 60). For some active members the Termination Liability may exceed the PVAB, because the Termination Liability assumes that members retire at the earliest possible age for commencement of unreduced deferred benefits, whereas the PVAB assumes continued employment based on actuarial assumptions for retirement, death, disability and withdrawal. Pending refunds represent expected refunds of accumulated member contributions to persons who have terminated membership before becoming eligible for pension benefits.

Table 13

## Funding Progress Achievement Tests - Historical Comparison (\$ Millions)

| Valuation Date Dec. 31, | Valuation Assets | Termination Test |  | Continuation Tests |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Actuarial Accrued Liability | Funded Ratio | Unfunded Actuarial Liability | Member Payroll | Ratio of Unfunded Accrued Actuarial Liability to Payroll |
|  |  | Termination Liability | Funded Ratio |  |  |  |  |  |
| 1975 | \$ 177.8 |  |  | \$ 260.3 | 68.3\% | \$ 82.5 | \$ 243.8 | 33.8\% |
| 1980 | 387.3 | \$ 419.0 | 92.4\% | 511.8 | 75.7 | 124.5 | 399.4 | 31.2 |
| 1985 | 852.6 | 609.7 | 139.8 | 756.9 | 112.6 | - | 544.2 | - |
| 1990 | 1,397.2 | 997.4 | 140.1 | 1,232.8 | 113.3 | - | 725.7 | - |
| 1991 | 1,550.9 | 1,170.3 | 132.5 | 1,441.6 | 107.6 | - | 782.9 | - |
| 1992 | 1,720.2 | 1,333.5 | 129.0 | 1,644.3 | 104.6 | - | 852.4 | - |
| 1993 | 1,863.3 | 1,416.7 | 131.5 | 2,147.0 | 86.8 | 283.7 | 869.3 | 32.6 |
| 1994 | 1,986.6 | 1,627.0 | 122.1 | 2,469.3 | 80.5 | 482.7 | 925.5 | 52.2 |
| 1995 | 2,166.9 | 1,817.1 | 119.2 | 2,743.9 | 79.0 | 577.0 | 973.0 | 59.3 |
| 1996 | 2,386.8 | 1,980.0 | 120.5 | 2,975.8 | 80.2 | 589.0 | 1,025.2 | 57.5 |
| 1997 | 2,692.7 | 2,248.9 | 119.7 | 3,285.2 | 82.0 | 592.5 | 1,068.6 | 55.4 |
| 1998 | 3,030.4 | 2,505.3 | 121.0 | 3,592.0 | 84.4 | 561.6 | 1,163.1 | 48.3 |
| 1999 | 3,464.9 | 2,728.6 | 127.0 | 3,835.5 | 90.3 | 370.6 | 1,179.3 | 31.4 |
| 2000 | 3,787.2 | 3,167.8 | 119.6 | 4,397.0 | 86.1 | 609.8 | 1,226.0 | 49.7 |
| 2001 | 4,034.4 | 3,813.5 | 105.8 | 4,783.9 | 84.3 | 749.5 | 1,271.6 | 58.9 |
| 2002 | 4,133.0 | 4,193.7 | 98.6 | 5,181.2 | 79.8 | 1,048.2 | 1,327.4 | 79.0 |
| 2003 | 4,459.5 | 4,652.5 | 95.9 | 5,667.7 | 78.7 | 1,208.2 | 1,381.2 | 87.5 |
| 2004 | 4,731.4 | 5,155.8 | 91.8 | 6,164.8 | 76.7 | 1,433.4 | 1,437.2 | 99.7 |
| 2005 | 5,026.1 | 5,605.7 | 89.7 | 6,609.1 | 76.0 | 1,583.0 | 1,462.4 | 108.2 |
| 2006 | 5,493.8 | 6,244.3 | 88.0 | 7,187.7 | 76.4 | 1,693.9 | 1,545.9 | 109.6 |

## V. GASB No. 25 AND GASB No. 27 Information

The following information has been prepared to provide the information necessary to comply with GASB Statements No. 25 and No.27. Statement No. 25 is effective for fiscal years beginning after June 15, 1996 and Statement No. 27 is effective for fiscal years beginning after June 15, 1997.

All entries are based on the actuarial methods and assumptions that were used in the December 31, 2006 actuarial valuation to determine the annual employer contribution amounts. The entry age normal actuarial method was used to determine the disclosure entries.

## GASB No. 25 InFormation (as of 12/31/2006)

| Actuarial Accrued Liability |  |
| :--- | ---: |
| Retirees and beneficiaries currently receiving benefits | $\$ 3,314,517,721$ |
| Terminated employees (vested former members) not yet receiving benefits | $262,358,560$ |
| Non-vested terminated employees <br> (pending refunds of accumulated member contributions) <br> Current employees <br> Total Actuarial Accrued Liability | $9,626,962$ |
| Net Assets Available for Benefits at Actuarial Value | $\underline{3,601,241,739}$ |
| (Market Value is \$5,570,613,987) | $\$ 7,187,744,982$ |
| Unfunded (Overfunded) Actuarial Accrued Liability | $\underline{5,493,761,777}$ |

## GASB No. 27 Information (As of 12/31/2006)

Municipality Fiscal Years Beginning in 2008
Annual Required Contribution (ARC) \$ 223,792,356*

* Based on valuation payroll. For divisions that are open to new hires, the actual required contributions will be based on current monthly payrolls (during fiscal years beginning in 2008) times the computed employer contribution rate(s) shown in Tables 15 and 16 of the individual municipality actuarial valuation reports. The ARC shown here is the sum of the ARC's calculated separately for each division. This ARC excludes 18 closed municipalities.


## VI. 50-Year Actuarial Projections

Regular actuarial valuations measure the retirement system's present financial position and contribution adequacy by calculating and financing the liabilities created by the benefit program. This process involves discounting to present values the future benefit payments on behalf of present active and retired members and their survivors. However, valuations do not produce information regarding future changes in the makeup of the covered group or the amounts of benefits to be paid or investment return to be received. This is done by actuarial projections.

Whereas valuations provide a snapshot of the retirement system as of a given date, projections provide a moving picture. Projected active, inactive vested and retired groups are developed from year-to-year by the application of assumptions regarding pre-retirement withdrawal from service, retirements, deaths, disabilities, and the addition of new members. Projected information regarding the retired life group leads to assumed future benefit payout. Combining future benefit payments with expected contributions and investment earnings produces the net cash flow of the system each year, and thus end of year asset levels.

Projection results are a useful educational tool for demonstrating changing relationships among key elements affecting system financial activity over a long period of time. For example: how benefits and system assets will grow in future decades. Projections are not predictions of specific future events and do not provide numeric precision in absolute terms. For instance, cash flow projected to occur 10 years in the future will not be exact (except by coincidence). However, projections can increase the understanding of the emerging and changing relationships between future benefit payout and future investment income.

This report presents the results of a 50-Year open group actuarial projection of MERS’ experience based on regular actuarial assumptions and December 31, 2006 census data. Each division (general, police, fire, etc.) of each municipality and court is separately projected, based on the benefit provisions and actuarial assumptions applicable to that division. Closed defined benefit divisions are included in the projection, but with no new hires replacing members as they leave the active member group. The results have been summarized over the 1,974 defined benefit divisions (includes 22 divisions of 18 closed municipalities) and are presented in this report.

In order to illustrate the impact of changes in investment return, two alternative investment return scenarios have been included in the report.

## SUMMARY ObSERVATIONS

The base actuarial projections of MERS are based on regular valuation assumptions and lead to some general observations:

1) The ratio of active members to retirees will decline gradually over the next 50 years from the present level of 1.7 to a low point of below 0.9 , and will settle at around 1.0 (see page 42). Expressed simply, the retiree population is expected to increase around $57 \%$. At the same time, the active member population declines about $12 \%$ due to divisions that are closed to new hires (new hires are covered by the MERS defined contribution plan). The decline in the active/retiree ratio may be postponed if the active member population grows larger than projected, either due to new employers joining MERS or an increase in the existing employers' work forces with defined benefit coverage.
2) Due to the closed divisions, some of the projected quantities rise to higher levels, before settling down to their long term expected levels.
3) The growth of the trust fund is expected to continue indefinitely, because of the projected $4.5 \%$ inflation. In real terms ( 2007 dollars), assets in 2056 will be slightly lower than the present (2007) level under the base projection (see page 44). However, assets will peak at an $11 \%$ higher level around 2018, due to the closed divisions, before declining back down to the present level (closed division employer contributions increase for 11-12 years after closure and then start to decline).
4) Investment return is now and will continue to be the largest source of revenue (by far) for the retirement system (see page 44 or 48). Ultimately, the investment return is projected to be about 2.7 times as large as the employer and member contributions, under the base projection.
5) MERS' benefit payout is already larger than the employer and member contributions (see page 44). MERS relies in part on investment return to pay benefits. This is the normal and expected situation in a prefunded retirement system. The system has been reaping the rewards of actuarial advance funding. Liquidity needs will increase gradually until eventually leveling off at about $3 \%-3.5 \%$ of assets under the base projection (see page 46). The 3.5\% annual real investment return (return in excess of inflation) will be used to pay benefits, while the $4.5 \%$ inflation portion of investment return will be needed to maintain the value of the portfolio.
6) Benefit payout relative to active member payroll will increase with time, and will level out at almost $24 \%$ of payroll. Meanwhile, employer and member contributions will decline to under $12 \%$ of payroll under the base projection (see page 48).
7) The current funded ratio, $76 \%$, gradually increases towards $100 \%$ over the projection period under the base projection (see page 51). Since most amortization periods never decrease below 25 years (10 years for overfunded divisions), the unfunded accrued liability slowly gets smaller and smaller in real dollars, but never quite drops to zero. This smooth progression, of course, is based on a constant $8 \%$ projected investment income based on the actuarial value of assets.
8) Based on current actuarial assumptions, the active member population "turns over" more rapidly than most readers would expect. By 2015 over half of the active members are persons who have not even been hired yet as of December 31, 2006 (see page 35). This is a common result.
9) The reader should consider the base projection to be an intermediate scenario. Investment return on valuation assets is projected to be a constant $8 \%$ annually. Remember that at the beginning of the projection (December 31, 2006), valuation assets were lower than market value by a little over $1 \%$. Consequently, in order to achieve an $8 \%$ return on valuation assets, the return on market value must average slightly lower than $8 \%$ annually.

To show the impact of lower returns we included two less optimistic projections.

Alternative 1 projections were based on $7 \%$ annual market returns beginning January 1, 2007. Alternative 2 projections were based on $6 \%$ annual market returns beginning January 1, 2007. The alternative projections are less optimistic than the base projections.

Under the Alternative 1 and Alternative 2 projections, the annual valuation calculations of liabilities and required contributions are still based on the $8 \%$ investment return assumption. The cash flow and asset values, however, are based on 7\% and 6\% investment returns, respectively.

The population projections for Alternative 1 and Alternative 2 are identical to the population projections for the base scenario. The results of Alternatives 1 and 2 are compared with the base projection on pages 68 to 71 .
10) Both alternatives result in substantially larger contribution requirements (see pages 68-69) and much lower funded percentages (see pages 70-71) than the base projection.
11) Under Alternative 1 and Alternative 2, the funded ratios will decline from the current $76 \%$ down to $72 \%$ and $55 \%$, respectively, by the end of the projection period (see page 70). The contribution requirements will increase from current levels by $1 \%$ and $5 \%$ of payroll for Alternatives 1 and 2, respectively, by the end of the projection (see page 68). This compares to the expected $4 \%-5 \%$ reduction in contribution requirements under the base projection.

By the end of the projection the required contribution rate (employer and member combined) is $11.44 \%$ under the base projection, $17.03 \%$ under Alternative 1, and 21.11\% under Alternative 2. This demonstrates that the projected funded ratio and required contribution are highly sensitive to seemingly modest changes in the projected rate of investment return.
12) If the average actual market rate of return is below $8 \%$ for an extended period, it is likely that the actuary would recommend that the Retirement Board adopt a lower investment return assumption for the annual actuarial valuations. This would result in an immediate (at that time) decrease in the computed funded ratio and increase in the required contributions. Thereafter, the funded ratio would start climbing back toward $100 \%$, and the required contribution rate would gradually decline to the normal cost rate (based on the new assumption).

## POPULATION PROJECTION

The first phase of the projection study is to forecast the development of the active and retired groups in coming decades. The following pages present the results of the MERS population projection from 2007 through 2056 based on a continuation of present demographic patterns.

## Characteristics of Future Members

The assumed characteristics of future members have a powerful effect on the results of 50-year projections, since future members are the major portion of the active member group for most of the 50 years (see page 35).

The characteristics assumed for these projections are those of current members at the time they were hired.

| Characteristics of Future Members at Time of Employment |  |
| :---: | :---: |
| Age | Percent |
|  |  |
| Below 25 | $17.9 \%$ |
| $25-29$ | 22.0 |
| $30-34$ | 17.4 |
| $35-39$ | 14.5 |
| $40-44$ | 11.6 |
| $45-49$ | 8.3 |
| $50-54$ | 4.8 |
| $55 \&$ Up | 3.5 |
| Total | $100.0 \%$ |
|  |  |
|  |  |
| Average Pay | $\$ 41,955$ |

TABLE 14
MERS Active Member Population
2007-2056

| Year Ending December 31, | Active Members |  |  | Year Ending December 31, | Active Members |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Present | Future | Total |  | Present | Future | Total |
| 2007 | 33,239 | 3,247 | 36,486 | 2032 | 1,376 | 31,230 | 32,606 |
| 2008 | 30,261 | 5,895 | 36,156 | 2033 | 1,134 | 31,454 | 32,588 |
| 2009 | 27,698 | 8,146 | 35,844 | 2034 | 928 | 31,645 | 32,574 |
| 2010 | 25,370 | 10,177 | 35,547 | 2035 | 756 | 31,807 | 32,563 |
| 2011 | 23,231 | 12,033 | 35,265 | 2036 | 611 | 31,943 | 32,554 |
| 2012 | 21,181 | 13,810 | 34,991 | 2037 | 489 | 32,058 | 32,547 |
| 2013 | 19,264 | 15,470 | 34,734 | 2038 | 389 | 32,154 | 32,542 |
| 2014 | 17,435 | 17,059 | 34,494 | 2039 | 305 | 32,233 | 32,539 |
| 2015 | 15,721 | 18,549 | 34,271 | 2040 | 236 | 32,299 | 32,536 |
| 2016 | 14,108 | 19,956 | 34,064 | 2041 | 181 | 32,352 | 32,534 |
| 2017 | 12,634 | 21,239 | 33,873 | 2042 | 137 | 32,395 | 32,532 |
| 2018 | 11,283 | 22,416 | 33,699 | 2043 | 102 | 32,429 | 32,531 |
| 2019 | 10,041 | 23,502 | 33,543 | 2044 | 75 | 32,455 | 32,530 |
| 2020 | 8,890 | 24,511 | 33,401 | 2045 | 54 | 32,476 | 32,530 |
| 2021 | 7,833 | 25,440 | 33,273 | 2046 | 38 | 32,491 | 32,530 |
| 2022 | 6,874 | 26,284 | 33,159 | 2047 | 26 | 32,503 | 32,529 |
| 2023 | 6,005 | 27,052 | 33,057 | 2048 | 18 | 32,512 | 32,529 |
| 2024 | 5,222 | 27,746 | 32,969 | 2049 | 11 | 32,518 | 32,529 |
| 2025 | 4,516 | 28,375 | 32,891 | 2050 | 7 | 32,522 | 32,529 |
| 2026 | 3,880 | 28,947 | 32,827 | 2051 | 4 | 32,525 | 32,529 |
| 2027 | 3,320 | 29,453 | 32,772 | 2052 | 3 | 32,526 | 32,529 |
| 2028 | 2,825 | 29,900 | 32,725 | 2053 | 1 | 32,528 | 32,529 |
| 2029 | 2,388 | 30,299 | 32,687 | 2054 | 1 | 32,528 | 32,529 |
| 2030 | 2,001 | 30,653 | 32,654 | 2055 | 0 | 32,529 | 32,529 |
| 2031 | 1,662 | 30,965 | 32,627 | 2056 | 0 | 32,529 | 32,529 |

Within 9 years it is expected that over half of the active member population will consist of people entering the system after the valuation date (December 31, 2006).

TABLE 15
MERS Present Active Members
Group Averages 2007-2056

| Year Ending December 31, | Present Active Members | Group Averages |  | Year Ending December 31, | Present <br> Active <br> Members | Group Averages |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Age | Service |  |  | Age | Service |
| 2007 | 33,239 | 46.0 | 12.2 | 2032 | 1,376 | 57.7 | 31.1 |
| 2008 | 30,261 | 46.8 | 13.2 | 2033 | 1,134 | 58.1 | 31.9 |
| 2009 | 27,698 | 47.6 | 14.1 | 2034 | 928 | 58.5 | 32.6 |
| 2010 | 25,370 | 48.3 | 15.0 | 2035 | 756 | 58.9 | 33.4 |
| 2011 | 23,231 | 48.9 | 15.8 | 2036 | 611 | 59.4 | 34.2 |
| 2012 | 21,181 | 49.5 | 16.5 | 2037 | 489 | 59.8 | 35.0 |
| 2013 | 19,264 | 50.1 | 17.3 | 2038 | 389 | 60.2 | 35.8 |
| 2014 | 17,435 | 50.6 | 18.0 | 2039 | 305 | 60.7 | 36.5 |
| 2015 | 15,721 | 51.1 | 18.8 | 2040 | 236 | 61.1 | 37.3 |
| 2016 | 14,108 | 51.5 | 19.5 | 2041 | 181 | 61.6 | 38.1 |
| 2017 | 12,634 | 51.9 | 20.2 | 2042 | 137 | 62.0 | 38.9 |
| 2018 | 11,283 | 52.3 | 20.9 | 2043 | 102 | 62.5 | 39.7 |
| 2019 | 10,041 | 52.7 | 21.7 | 2044 | 75 | 63.1 | 40.5 |
| 2020 | 8,890 | 53.1 | 22.4 | 2045 | 54 | 63.6 | 41.4 |
| 2021 | 7,833 | 53.5 | 23.1 | 2046 | 38 | 64.1 | 42.2 |
| 2022 | 6,874 | 53.9 | 23.8 | 2047 | 26 | 64.7 | 43.0 |
| 2023 | 6,005 | 54.2 | 24.5 | 2048 | 18 | 65.3 | 43.9 |
| 2024 | 5,222 | 54.6 | 25.2 | 2049 | 11 | 65.8 | 44.7 |
| 2025 | 4,516 | 55.0 | 25.9 | 2050 | 7 | 66.3 | 45.5 |
| 2026 | 3,880 | 55.3 | 26.6 | 2051 | 4 | 66.8 | 46.3 |
| 2027 | 3,320 | 55.7 | 27.3 | 2052 | 3 | 67.3 | 47.2 |
| 2028 | 2,825 | 56.1 | 28.0 | 2053 | 1 | 67.8 | 48.0 |
| 2029 | 2,388 | 56.5 | 28.8 | 2054 | 1 | 68.2 | 48.9 |
| 2030 | 2,001 | 56.9 | 29.5 | 2055 | 0 | 68.7 | 49.7 |
| 2031 | 1,662 | 57.3 | 30.3 | 2056 | 0 | 69.1 | 50.6 |

Approximately 89\% of the current active population will no longer be active after 20 years. None of the current active members will still be active members in 2056.

TAble 16
MERS Future Active Members
Group Averages 2007-2056

| Year EndingDecember 31, | Future <br> Active <br> Members | Group Averages |  | Year Ending <br> December 31, | Future <br> Active <br> Members | Group Averages |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Age | Service |  |  | Age | Service |
| 2007 | 3,247 | 34.2 | 0.2 | 2032 | 31,230 | 41.3 | 8.0 |
| 2008 | 5,895 | 34.5 | 0.6 | 2033 | 31,454 | 41.4 | 8.2 |
| 2009 | 8,146 | 34.9 | 0.9 | 2034 | 31,645 | 41.6 | 8.3 |
| 2010 | 10,177 | 35.2 | 1.3 | 2035 | 31,807 | 41.7 | 8.5 |
| 2011 | 12,033 | 35.6 | 1.7 | 2036 | 31,943 | 41.8 | 8.6 |
| 2012 | 13,810 | 35.9 | 2.0 | 2037 | 32,058 | 41.9 | 8.7 |
| 2013 | 15,470 | 36.3 | 2.3 | 2038 | 32,154 | 41.9 | 8.8 |
| 2014 | 17,059 | 36.6 | 2.7 | 2039 | 32,233 | 42.0 | 8.9 |
| 2015 | 18,549 | 37.0 | 3.0 | 2040 | 32,299 | 42.0 | 9.0 |
| 2016 | 19,956 | 37.3 | 3.4 | 2041 | 32,352 | 42.1 | 9.0 |
| 2017 | 21,239 | 37.7 | 3.7 | 2042 | 32,395 | 42.1 | 9.1 |
| 2018 | 22,416 | 38.0 | 4.1 | 2043 | 32,429 | 42.1 | 9.1 |
| 2019 | 23,502 | 38.3 | 4.4 | 2044 | 32,455 | 42.1 | 9.1 |
| 2020 | 24,511 | 38.6 | 4.7 | 2045 | 32,476 | 42.1 | 9.2 |
| 2021 | 25,440 | 38.9 | 5.1 | 2046 | 32,491 | 42.1 | 9.2 |
| 2022 | 26,284 | 39.2 | 5.4 | 2047 | 32,503 | 42.1 | 9.2 |
| 2023 | 27,052 | 39.4 | 5.7 | 2048 | 32,512 | 42.1 | 9.2 |
| 2024 | 27,746 | 39.7 | 6.0 | 2049 | 32,518 | 42.1 | 9.2 |
| 2025 | 28,375 | 39.9 | 6.3 | 2050 | 32,522 | 42.1 | 9.2 |
| 2026 | 28,947 | 40.2 | 6.5 | 2051 | 32,525 | 42.1 | 9.2 |
| 2027 | 29,453 | 40.4 | 6.8 | 2052 | 32,526 | 42.1 | 9.2 |
| 2028 | 29,900 | 40.6 | 7.1 | 2053 | 32,528 | 42.1 | 9.2 |
| 2029 | 30,299 | 40.8 | 7.3 | 2054 | 32,528 | 42.1 | 9.2 |
| 2030 | 30,653 | 41.0 | 7.6 | 2055 | 32,529 | 42.1 | 9.2 |
| 2031 | 30,965 | 41.2 | 7.8 | 2056 | 32,529 | 42.1 | 9.1 |

TABLE 17
MERS Total Active Members Group Averages 2007-2056

| Year Ending December 31, | Total <br> Active <br> Members | Group Averages |  |  |  | Year Ending December 31, | Total <br> Active <br> Members | Group Averages |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Age | Service | Pay |  |  |  | Age | Service | Pay |  |
|  |  |  |  | Inflated | 2007 Dollars |  |  |  |  | Inflated | 2007 Dollars |
| 2007 | 36,486 | 44.90 | 11.20 | \$ 43,707 | \$ 43,707 | 2032 | 32,606 | 42.00 | 9.00 | \$125,816 | \$ 41,863 |
| 2008 | 36,156 | 44.80 | 11.20 | 45,525 | 43,565 | 2033 | 32,588 | 42.00 | 9.00 | 131,535 | 41,881 |
| 2009 | 35,844 | 44.70 | 11.10 | 47,415 | 43,419 | 2034 | 32,574 | 42.10 | 9.00 | 137,514 | 41,899 |
| 2010 | 35,547 | 44.60 | 11.10 | 49,349 | 43,244 | 2035 | 32,563 | 42.10 | 9.10 | 143,758 | 41,916 |
| 2011 | 35,265 | 44.40 | 10.90 | 51,365 | 43,073 | 2036 | 32,554 | 42.10 | 9.10 | 150,278 | 41,930 |
| 2012 | 34,991 | 44.10 | 10.80 | 53,455 | 42,895 | 2037 | 32,547 | 42.10 | 9.10 | 157,079 | 41,940 |
| 2013 | 34,734 | 43.90 | 10.60 | 55,648 | 42,732 | 2038 | 32,542 | 42.10 | 9.20 | 164,180 | 41,948 |
| 2014 | 34,494 | 43.70 | 10.40 | 57,943 | 42,578 | 2039 | 32,539 | 42.20 | 9.20 | 171,589 | 41,953 |
| 2015 | 34,271 | 43.40 | 10.30 | 60,348 | 42,436 | 2040 | 32,536 | 42.20 | 9.20 | 179,321 | 41,956 |
| 2016 | 34,064 | 43.20 | 10.10 | 62,887 | 42,317 | 2041 | 32,534 | 42.20 | 9.20 | 187,396 | 41,957 |
| 2017 | 33,873 | 43.00 | 9.90 | 65,558 | 42,215 | 2042 | 32,532 | 42.20 | 9.20 | 195,827 | 41,957 |
| 2018 | 33,699 | 42.80 | 9.70 | 68,369 | 42,129 | 2043 | 32,531 | 42.20 | 9.20 | 204,629 | 41,955 |
| 2019 | 33,543 | 42.60 | 9.60 | 71,323 | 42,057 | 2044 | 32,530 | 42.20 | 9.20 | 213,820 | 41,951 |
| 2020 | 33,401 | 42.50 | 9.40 | 74,416 | 41,991 | 2045 | 32,530 | 42.20 | 9.20 | 223,417 | 41,947 |
| 2021 | 33,273 | 42.30 | 9.30 | 77,660 | 41,934 | 2046 | 32,530 | 42.20 | 9.20 | 233,439 | 41,941 |
| 2022 | 33,159 | 42.20 | 9.20 | 81,068 | 41,889 | 2047 | 32,529 | 42.20 | 9.20 | 243,908 | 41,935 |
| 2023 | 33,057 | 42.10 | 9.10 | 84,639 | 41,851 | 2048 | 32,529 | 42.20 | 9.20 | 254,844 | 41,928 |
| 2024 | 32,969 | 42.10 | 9.00 | 88,390 | 41,824 | 2049 | 32,529 | 42.10 | 9.20 | 266,271 | 41,922 |
| 2025 | 32,891 | 42.00 | 9.00 | 92,323 | 41,804 | 2050 | 32,529 | 42.10 | 9.20 | 278,213 | 41,916 |
| 2026 | 32,827 | 42.00 | 8.90 | 96,441 | 41,788 | 2051 | 32,529 | 42.10 | 9.20 | 290,692 | 41,910 |
| 2027 | 32,772 | 41.90 | 8.90 | 100,779 | 41,787 | 2052 | 32,529 | 42.10 | 9.20 | 303,736 | 41,905 |
| 2028 | 32,725 | 41.90 | 8.90 | 105,331 | 41,794 | 2053 | 32,529 | 42.10 | 9.20 | 317,371 | 41,900 |
| 2029 | 32,687 | 41.90 | 8.90 | 110,102 | 41,806 | 2054 | 32,529 | 42.10 | 9.20 | 331,625 | 41,897 |
| 2030 | 32,654 | 42.00 | 8.90 | 115,106 | 41,824 | 2055 | 32,529 | 42.10 | 9.20 | 346,526 | 41,894 |
| 2031 | 32,627 | 42.00 | 8.90 | 120,348 | 41,845 | 2056 | 32,529 | 42.10 | 9.10 | 362,102 | 41,892 |

Average pay in year 2007 dollars provides a constant measure of purchasing power. In 2056, a participant earning a pay of $\$ 362,102$ will be in the same relative financial position as the average participant today (based on $4.5 \%$ annual wage inflation).

## Chart 7 <br> Active Population - Present and Future



TABLE 18
MERS RETIREE POPULATION 2007-2056

| Year Ending December 31, | Retired Members |  |  | Year Ending December 31, | Retired Members |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Present | Future | Total |  | Present | Future | Total |
| 2007 | 20,980 | 1,510 | 22,491 | 2032 | 6,153 | 32,377 | 38,530 |
| 2008 | 20,474 | 2,878 | 23,352 | 2033 | 5,627 | 32,866 | 38,493 |
| 2009 | 19,941 | 4,289 | 24,230 | 2034 | 5,121 | 33,278 | 38,400 |
| 2010 | 19,392 | 5,790 | 25,182 | 2035 | 4,638 | 33,621 | 38,259 |
| 2011 | 18,826 | 7,327 | 26,153 | 2036 | 4,179 | 33,894 | 38,073 |
| 2012 | 18,249 | 8,924 | 27,173 | 2037 | 3,746 | 34,125 | 37,870 |
| 2013 | 17,663 | 10,533 | 28,196 | 2038 | 3,339 | 34,303 | 37,643 |
| 2014 | 17,063 | 12,180 | 29,244 | 2039 | 2,961 | 34,426 | 37,387 |
| 2015 | 16,458 | 13,746 | 30,205 | 2040 | 2,611 | 34,495 | 37,107 |
| 2016 | 15,848 | 15,338 | 31,186 | 2041 | 2,290 | 34,517 | 36,807 |
| 2017 | 15,231 | 16,859 | 32,090 | 2042 | 1,999 | 34,496 | 36,495 |
| 2018 | 14,611 | 18,349 | 32,960 | 2043 | 1,735 | 34,457 | 36,193 |
| 2019 | 13,986 | 19,750 | 33,736 | 2044 | 1,500 | 34,395 | 35,895 |
| 2020 | 13,360 | 21,097 | 34,457 | 2045 | 1,291 | 34,319 | 35,609 |
| 2021 | 12,730 | 22,401 | 35,131 | 2046 | 1,106 | 34,237 | 35,344 |
| 2022 | 12,103 | 23,622 | 35,726 | 2047 | 946 | 34,152 | 35,098 |
| 2023 | 11,478 | 24,818 | 36,295 | 2048 | 806 | 34,063 | 34,870 |
| 2024 | 10,854 | 25,930 | 36,784 | 2049 | 687 | 33,977 | 34,664 |
| 2025 | 10,234 | 26,946 | 37,180 | 2050 | 585 | 33,896 | 34,480 |
| 2026 | 9,621 | 27,932 | 37,553 | 2051 | 498 | 33,820 | 34,317 |
| 2027 | 9,016 | 28,835 | 37,851 | 2052 | 425 | 33,751 | 34,175 |
| 2028 | 8,419 | 29,633 | 38,052 | 2053 | 363 | 33,690 | 34,053 |
| 2029 | 7,832 | 30,410 | 38,242 | 2054 | 312 | 33,638 | 33,950 |
| 2030 | 7,257 | 31,152 | 38,410 | 2055 | 269 | 33,596 | 33,865 |
| 2031 | 6,697 | 31,808 | 38,505 | 2056 | 233 | 33,563 | 33,796 |

The present retiree group changes more gradually than the active member group. Just over half of the present retiree group is expected to be still drawing benefits after 18 years.

## CHART 8 <br> MERS Retiree Population - Present and Future



TABLE 19
Ratio of Active Members to Retirees 2007-2056

| Year Ending <br> December 31, | Active Members | Retired Members | Actives per Retiree | Year Ending December 31, | Active Members | Retired Members | Actives per Retiree |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | 36,486 | 22,491 | 1.62 | 2032 | 32,606 | 38,530 | 0.85 |
| 2008 | 36,156 | 23,352 | 1.55 | 2033 | 32,588 | 38,493 | 0.85 |
| 2009 | 35,844 | 24,230 | 1.48 | 2034 | 32,574 | 38,400 | 0.85 |
| 2010 | 35,547 | 25,182 | 1.41 | 2035 | 32,563 | 38,259 | 0.85 |
| 2011 | 35,265 | 26,153 | 1.35 | 2036 | 32,554 | 38,073 | 0.86 |
| 2012 | 34,991 | 27,173 | 1.29 | 2037 | 32,547 | 37,870 | 0.86 |
| 2013 | 34,734 | 28,196 | 1.23 | 2038 | 32,542 | 37,643 | 0.86 |
| 2014 | 34,494 | 29,244 | 1.18 | 2039 | 32,539 | 37,387 | 0.87 |
| 2015 | 34,271 | 30,205 | 1.13 | 2040 | 32,536 | 37,107 | 0.88 |
| 2016 | 34,064 | 31,186 | 1.09 | 2041 | 32,534 | 36,807 | 0.88 |
| 2017 | 33,873 | 32,090 | 1.06 | 2042 | 32,532 | 36,495 | 0.89 |
| 2018 | 33,699 | 32,960 | 1.02 | 2043 | 32,531 | 36,193 | 0.90 |
| 2019 | 33,543 | 33,736 | 0.99 | 2044 | 32,530 | 35,895 | 0.91 |
| 2020 | 33,401 | 34,457 | 0.97 | 2045 | 32,530 | 35,609 | 0.91 |
| 2021 | 33,273 | 35,131 | 0.95 | 2046 | 32,530 | 35,344 | 0.92 |
| 2022 | 33,159 | 35,726 | 0.93 | 2047 | 32,529 | 35,098 | 0.93 |
| 2023 | 33,057 | 36,295 | 0.91 | 2048 | 32,529 | 34,870 | 0.93 |
| 2024 | 32,969 | 36,784 | 0.90 | 2049 | 32,529 | 34,664 | 0.94 |
| 2025 | 32,891 | 37,180 | 0.88 | 2050 | 32,529 | 34,480 | 0.94 |
| 2026 | 32,827 | 37,553 | 0.87 | 2051 | 32,529 | 34,317 | 0.95 |
| 2027 | 32,772 | 37,851 | 0.87 | 2052 | 32,529 | 34,175 | 0.95 |
| 2028 | 32,725 | 38,052 | 0.86 | 2053 | 32,529 | 34,053 | 0.96 |
| 2029 | 32,687 | 38,242 | 0.85 | 2054 | 32,529 | 33,950 | 0.96 |
| 2030 | 32,654 | 38,410 | 0.85 | 2055 | 32,529 | 33,865 | 0.96 |
| 2031 | 32,627 | 38,505 | 0.85 | 2056 | 32,529 | 33,796 | 0.96 |

The ratio of active members to retirees $(A / R)$ is expected to decline steadily until it reaches a level of about 1.0. This is a reasonable result, given the mixture of retirement conditions in MERS. Note that the ratio dips temporarily to 0.85 as a result of the closed division members moving out of active employment into retirement.

## Chart 9

Ratio of Active Members to Retirees


## CASH FLOW PROJECTIONS

As the retirement system matures, how will the relationship between contributions, benefit payments and investment return be affected? This section explores the expected emerging patterns over the next half century.

TABLE 20
Base Projection 50-Year Fund Projection Based on Valuation Assumptions (\$ in Millions)

| Year Ending <br> December 31, | Assets Beginning of Year | Contributions |  |  |  | Benefit <br> Payments | Investment Income | Assets End of Year |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employer | UAAL | Member |  |  |  |  |  |
|  |  | Normal Cost | Payment | Contribution | Total |  |  | Inflated | 2007 Dollars |
| 2007 | \$ 5,466 | \$125 | \$ 89 | \$ 46 | \$ 260 | \$ 344 | \$ 434 | \$ 5,816 | \$5,816 |
| 2008 | 5,816 | 128 | 98 | 48 | 275 | 366 | 462 | 6,186 | 5,920 |
| 2009 | 6,186 | 132 | 104 | 50 | 286 | 392 | 491 | 6,570 | 6,016 |
| 2010 | 6,570 | 136 | 110 | 52 | 297 | 421 | 521 | 6,967 | 6,105 |
| 2011 | 6,967 | 140 | 117 | 53 | 310 | 452 | 552 | 7,376 | 6,186 |
| 2012 | 7,376 | 144 | 124 | 55 | 323 | 486 | 584 | 7,798 | 6,257 |
| 2013 | 7,798 | 148 | 130 | 57 | 336 | 521 | 616 | 8,229 | 6,319 |
| 2014 | 8,229 | 152 | 137 | 59 | 349 | 559 | 650 | 8,669 | 6,370 |
| 2015 | 8,669 | 157 | 146 | 62 | 365 | 597 | 684 | 9,121 | 6,414 |
| 2016 | 9,121 | 162 | 153 | 64 | 380 | 637 | 719 | 9,583 | 6,448 |
| 2017 | 9,583 | 168 | 153 | 67 | 388 | 678 | 755 | 10,047 | 6,470 |
| 2018 | 10,047 | 174 | 150 | 69 | 392 | 718 | 791 | 10,512 | 6,478 |
| 2019 | 10,512 | 180 | 146 | 72 | 398 | 759 | 827 | 10,978 | 6,473 |
| 2020 | 10,978 | 186 | 141 | 75 | 402 | 800 | 862 | 11,443 | 6,457 |
| 2021 | 11,443 | 193 | 135 | 78 | 406 | 841 | 898 | 11,906 | 6,429 |
| 2022 | 11,906 | 201 | 130 | 81 | 412 | 883 | 934 | 12,369 | 6,391 |
| 2023 | 12,369 | 209 | 126 | 85 | 419 | 924 | 969 | 12,833 | 6,346 |
| 2024 | 12,833 | 217 | 122 | 88 | 428 | 965 | 1,005 | 13,301 | 6,294 |
| 2025 | 13,301 | 226 | 120 | 92 | 438 | 1,005 | 1,041 | 13,774 | 6,237 |
| 2026 | 13,774 | 235 | 118 | 96 | 449 | 1,045 | 1,078 | 14,256 | 6,177 |
| 2027 | 14,256 | 245 | 116 | 100 | 461 | 1,085 | 1,116 | 14,748 | 6,115 |
| 2028 | 14,748 | 256 | 115 | 105 | 475 | 1,123 | 1,154 | 15,255 | 6,053 |
| 2029 | 15,255 | 267 | 114 | 110 | 490 | 1,159 | 1,194 | 15,779 | 5,991 |
| 2030 | 15,779 | 278 | 114 | 114 | 506 | 1,196 | 1,235 | 16,324 | 5,931 |
| 2031 | 16,324 | 291 | 113 | 120 | 523 | 1,232 | 1,278 | 16,893 | 5,874 |
| 2032 | 16,893 | 303 | 113 | 125 | 542 | 1,267 | 1,322 | 17,490 | 5,819 |
| 2033 | 17,490 | 317 | 113 | 131 | 561 | 1,303 | 1,370 | 18,117 | 5,769 |
| 2034 | 18,117 | 331 | 113 | 137 | 581 | 1,338 | 1,419 | 18,780 | 5,722 |
| 2035 | 18,780 | 346 | 114 | 143 | 602 | 1,373 | 1,472 | 19,480 | 5,680 |
| 2036 | 19,480 | 361 | 114 | 149 | 624 | 1,409 | 1,527 | 20,222 | 5,642 |
| 2037 | 20,222 | 377 | 115 | 156 | 648 | 1,447 | 1,586 | 21,009 | 5,609 |
| 2038 | 21,009 | 394 | 115 | 163 | 672 | 1,486 | 1,648 | 21,843 | 5,581 |
| 2039 | 21,843 | 411 | 116 | 170 | 698 | 1,527 | 1,714 | 22,728 | 5,557 |
| 2040 | 22,728 | 430 | 116 | 178 | 724 | 1,570 | 1,784 | 23,666 | 5,537 |
| 2041 | 23,666 | 449 | 117 | 186 | 752 | 1,616 | 1,859 | 24,661 | 5,521 |
| 2042 | 24,661 | 469 | 118 | 194 | 781 | 1,665 | 1,937 | 25,714 | 5,509 |
| 2043 | 25,714 | 490 | 118 | 203 | 811 | 1,717 | 2,021 | 26,829 | 5,501 |
| 2044 | 26,829 | 512 | 119 | 212 | 843 | 1,773 | 2,109 | 28,008 | 5,495 |
| 2045 | 28,008 | 535 | 120 | 222 | 876 | 1,833 | 2,202 | 29,253 | 5,492 |
| 2046 | 29,253 | 558 | 120 | 232 | 910 | 1,898 | 2,301 | 30,566 | 5,492 |
| 2047 | 30,566 | 583 | 121 | 242 | 946 | 1,967 | 2,404 | 31,950 | 5,493 |
| 2048 | 31,950 | 609 | 121 | 253 | 984 | 2,040 | 2,514 | 33,407 | 5,496 |
| 2049 | 33,407 | 637 | 122 | 264 | 1,023 | 2,119 | 2,629 | 34,939 | 5,501 |
| 2050 | 34,939 | 665 | 122 | 276 | 1,064 | 2,203 | 2,750 | 36,549 | 5,507 |
| 2051 | 36,549 | 695 | 122 | 289 | 1,106 | 2,292 | 2,876 | 38,240 | 5,513 |
| 2052 | 38,240 | 726 | 123 | 301 | 1,150 | 2,386 | 3,010 | 40,013 | 5,520 |
| 2053 | 40,013 | 759 | 123 | 315 | 1,197 | 2,486 | 3,150 | 41,874 | 5,528 |
| 2054 | 41,874 | 793 | 123 | 329 | 1,245 | 2,591 | 3,296 | 43,823 | 5,537 |
| 2055 | 43,823 | 829 | 123 | 344 | 1,295 | 2,702 | 3,450 | 45,866 | 5,545 |
| 2056 | 45,866 | 866 | 122 | 359 | 1,348 | 2,819 | 3,610 | 48,006 | 5,554 |

## Chart 10 <br> Base Projection <br> Projected Trust Fund Assets



TABLE 21
Base Projection
Projected Non-Investment Cash Flow 2007-2056 (\$ IN MiLlions)

| Year Ending <br> December 31, | External Cash Flow |  | Net External Cash Flow |  | Year Ending <br> December 31, | External Cash Flow |  | Net External Cash Flow |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Inflow | Outflow | Dollars | \% of Assets |  | Inflow | Outflow | Dollars | \% of Assets |
| 2007 | \$260 | \$ 344 | \$ (84) | -1.53\% | 2032 | \$ 542 | \$1,267 | \$ (726) | -4.30\% |
| 2008 | 275 | 366 | (92) | -1.58\% | 2033 | 561 | 1,303 | (742) | -4.24\% |
| 2009 | 286 | 392 | (107) | -1.72\% | 2034 | 581 | 1,338 | (757) | -4.18\% |
| 2010 | 297 | 421 | (124) | -1.89\% | 2035 | 602 | 1,373 | (771) | -4.11\% |
| 2011 | 310 | 452 | (142) | -2.04\% | 2036 | 624 | 1,409 | (785) | -4.03\% |
| 2012 | 323 | 486 | (162) | -2.20\% | 2037 | 648 | 1,447 | (799) | -3.95\% |
| 2013 | 336 | 521 | (186) | -2.38\% | 2038 | 672 | 1,486 | (814) | -3.87\% |
| 2014 | 349 | 559 | (210) | -2.55\% | 2039 | 698 | 1,527 | (829) | -3.80\% |
| 2015 | 365 | 597 | (232) | -2.68\% | 2040 | 724 | 1,570 | (846) | -3.72\% |
| 2016 | 380 | 637 | (258) | -2.82\% | 2041 | 752 | 1,616 | (864) | -3.65\% |
| 2017 | 388 | 678 | (290) | -3.03\% | 2042 | 781 | 1,665 | (884) | -3.58\% |
| 2018 | 392 | 718 | (326) | -3.24\% | 2043 | 811 | 1,717 | (906) | -3.52\% |
| 2019 | 398 | 759 | (361) | -3.43\% | 2044 | 843 | 1,773 | (930) | -3.47\% |
| 2020 | 402 | 800 | (397) | -3.62\% | 2045 | 876 | 1,833 | (957) | -3.42\% |
| 2021 | 406 | 841 | (435) | -3.80\% | 2046 | 910 | 1,898 | (987) | -3.38\% |
| 2022 | 412 | 883 | (471) | -3.95\% | 2047 | 946 | 1,967 | $(1,021)$ | -3.34\% |
| 2023 | 419 | 924 | (505) | -4.08\% | 2048 | 984 | 2,040 | $(1,057)$ | -3.31\% |
| 2024 | 428 | 965 | (538) | -4.19\% | 2049 | 1,023 | 2,119 | $(1,096)$ | -3.28\% |
| 2025 | 438 | 1,005 | (568) | -4.27\% | 2050 | 1,064 | 2,203 | $(1,139)$ | -3.26\% |
| 2026 | 449 | 1,045 | (597) | -4.33\% | 2051 | 1,106 | 2,292 | $(1,186)$ | -3.25\% |
| 2027 | 461 | 1,085 | (623) | -4.37\% | 2052 | 1,150 | 2,386 | $(1,236)$ | -3.23\% |
| 2028 | 475 | 1,123 | (647) | -4.39\% | 2053 | 1,197 | 2,486 | $(1,289)$ | -3.22\% |
| 2029 | 490 | 1,159 | (669) | -4.39\% | 2054 | 1,245 | 2,591 | $(1,346)$ | -3.22\% |
| 2030 | 506 | 1,196 | (690) | -4.37\% | 2055 | 1,295 | 2,702 | $(1,407)$ | -3.21\% |
| 2031 | 523 | 1,232 | (708) | -4.34\% | 2056 | 1,348 | 2,819 | $(1,471)$ | -3.21\% |

The net external cash flow is currently in a negative position (i.e., benefits paid are more than contributions received). It is expected to become more negative over the next 50 years. Investment return is needed to pay benefits (a natural result from level contribution financing). Long range, the $3.5 \%$ annual real investment return (return in excess of inflation) will be needed to pay benefits. The remainder of investment return (the inflation portion--4.5\% in this projection) is needed to preserve the purchasing power of the assets.

## Chart 11

## Base Projection

## Projected Net Change in Assets Amounts of INFLATED DOLLARS



The results shown in the above chart do not show changes of constant value, because amounts of change are inflated dollar amounts. The Net Change in Assets, the blue bars, indicate perpetual additions to trust fund assets. While this is true (and necessary) in inflated dollars, it is not true in terms of constant value. Constant value changes are shown by the chart on page 45.

TABLE 22
Base Projection
CASH FLOWS AS \%’s OF PAYROLL 2007-2056

| Year Ending <br> December 31, | External Cash Flow <br>  <br> Contributions <br> Received |  | Benefits <br> Paid | Investment <br> Return | Year Ending <br> December 31, | Contributions <br> Received | Benefits <br> Paid |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $16.33 \%$ | $21.59 \%$ | $27.21 \%$ | 2032 | $13.20 \%$ | $30.89 \%$ | Investment <br> Return |
| 2008 | $16.68 \%$ | $22.27 \%$ | $28.05 \%$ | 2033 | $13.08 \%$ | $30.39 \%$ | $31.95 \%$ |
| 2009 | $16.82 \%$ | $23.09 \%$ | $28.87 \%$ | 2034 | $12.97 \%$ | $29.87 \%$ | $31.68 \%$ |
| 2010 | $16.93 \%$ | $24.00 \%$ | $29.68 \%$ | 2035 | $12.86 \%$ | $29.33 \%$ | $31.43 \%$ |
| 2011 | $17.11 \%$ | $24.95 \%$ | $30.46 \%$ | 2036 | $12.76 \%$ | $28.80 \%$ | $31.21 \%$ |
| 2012 | $17.28 \%$ | $25.96 \%$ | $31.20 \%$ | 2037 | $12.67 \%$ | $28.30 \%$ | $31.02 \%$ |
| 2013 | $17.37 \%$ | $26.97 \%$ | $31.89 \%$ | 2038 | $12.58 \%$ | $27.81 \%$ | $30.85 \%$ |
| 2014 | $17.46 \%$ | $27.95 \%$ | $32.52 \%$ | 2039 | $12.49 \%$ | $27.35 \%$ | $30.70 \%$ |
| 2015 | $17.65 \%$ | $28.88 \%$ | $33.08 \%$ | 2040 | $12.41 \%$ | $26.92 \%$ | $30.58 \%$ |
| 2016 | $17.73 \%$ | $29.75 \%$ | $33.58 \%$ | 2041 | $12.33 \%$ | $26.51 \%$ | $30.49 \%$ |
| 2017 | $17.45 \%$ | $30.52 \%$ | $34.00 \%$ | 2042 | $12.26 \%$ | $26.14 \%$ | $30.41 \%$ |
| 2018 | $17.03 \%$ | $31.18 \%$ | $34.32 \%$ | 2043 | $12.19 \%$ | $25.80 \%$ | $30.36 \%$ |
| 2019 | $16.64 \%$ | $31.72 \%$ | $34.55 \%$ | 2044 | $12.12 \%$ | $25.49 \%$ | $30.32 \%$ |
| 2020 | $16.19 \%$ | $32.17 \%$ | $34.69 \%$ | 2045 | $12.05 \%$ | $25.22 \%$ | $30.30 \%$ |
| 2021 | $15.72 \%$ | $32.56 \%$ | $34.75 \%$ | 2046 | $11.99 \%$ | $24.99 \%$ | $30.30 \%$ |
| 2022 | $15.32 \%$ | $32.84 \%$ | $34.73 \%$ | 2047 | $11.93 \%$ | $24.79 \%$ | $30.31 \%$ |
| 2023 | $14.98 \%$ | $33.03 \%$ | $34.64 \%$ | 2048 | $11.87 \%$ | $24.61 \%$ | $30.32 \%$ |
| 2024 | $14.67 \%$ | $33.12 \%$ | $34.49 \%$ | 2049 | $11.81 \%$ | $24.47 \%$ | $30.35 \%$ |
| 2025 | $14.41 \%$ | $33.11 \%$ | $34.29 \%$ | 2050 | $11.75 \%$ | $24.34 \%$ | $30.38 \%$ |
| 2026 | $14.18 \%$ | $33.02 \%$ | $34.05 \%$ | 2051 | $11.70 \%$ | $24.24 \%$ | $30.42 \%$ |
| 2027 | $13.97 \%$ | $32.85 \%$ | $33.78 \%$ | 2052 | $11.64 \%$ | $24.15 \%$ | $30.46 \%$ |
| 2028 | $13.79 \%$ | $32.57 \%$ | $33.48 \%$ | 2053 | $11.59 \%$ | $24.08 \%$ | $30.51 \%$ |
| 2029 | $13.62 \%$ | $32.22 \%$ | $33.17 \%$ | 2054 | $11.54 \%$ | $24.02 \%$ | $30.55 \%$ |
| 2030 | $13.47 \%$ | $31.82 \%$ | $32.85 \%$ | 2055 | $11.49 \%$ | $23.97 \%$ | $30.60 \%$ |
| 2031 | $13.33 \%$ | $31.37 \%$ | $32.54 \%$ | 2056 | $11.44 \%$ | $23.93 \%$ | $30.65 \%$ |

This schedule demonstrates two important points:

1. Benefit payout continues to grow in real dollars, and
2. Investment return has already become the largest source of revenue for the retirement system - - - a natural result of level contribution financing.

## Chart 12 <br> Base Projection <br> Projected Pattern of Contribution Income and Benefit Payout



TABLE 23
Base Projection
MERS Projected Financial Growth Rates
2008-2057

| Year Ending December 31, | Annual Growth in: |  |  | Year Ending <br> December 31, | Annual Growth in: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Contributions | Benefits | Assets |  | Contributions | Benefits | Assets |
| 2008 | 5.43\% | 6.47\% | 6.36\% | 2033 | 3.53\% | 2.79\% | 3.59\% |
| 2009 | 4.14\% | 7.08\% | 6.21\% | 2034 | 3.60\% | 2.70\% | 3.65\% |
| 2010 | 3.90\% | 7.28\% | 6.04\% | 2035 | 3.65\% | 2.63\% | 3.73\% |
| 2011 | 4.32\% | 7.35\% | 5.88\% | 2036 | 3.70\% | 2.62\% | 3.81\% |
| 2012 | 4.32\% | 7.43\% | 5.71\% | 2037 | 3.73\% | 2.67\% | 3.89\% |
| 2013 | 3.84\% | 7.34\% | 5.53\% | 2038 | 3.77\% | 2.71\% | 3.97\% |
| 2014 | 3.97\% | 7.18\% | 5.35\% | 2039 | 3.80\% | 2.77\% | 4.05\% |
| 2015 | 4.58\% | 6.90\% | 5.21\% | 2040 | 3.82\% | 2.85\% | 4.13\% |
| 2016 | 4.04\% | 6.72\% | 5.06\% | 2041 | 3.84\% | 2.92\% | 4.20\% |
| 2017 | 2.07\% | 6.33\% | 4.85\% | 2042 | 3.86\% | 3.02\% | 4.27\% |
| 2018 | 1.25\% | 5.99\% | 4.63\% | 2043 | 3.88\% | 3.13\% | 4.34\% |
| 2019 | 1.43\% | 5.66\% | 4.43\% | 2044 | 3.89\% | 3.26\% | 4.39\% |
| 2020 | 1.12\% | 5.37\% | 4.24\% | 2045 | 3.91\% | 3.38\% | 4.45\% |
| 2021 | 0.94\% | 5.20\% | 4.05\% | 2046 | 3.93\% | 3.51\% | 4.49\% |
| 2022 | 1.37\% | 4.92\% | 3.89\% | 2047 | 3.95\% | 3.64\% | 4.53\% |
| 2023 | 1.74\% | 4.71\% | 3.75\% | 2048 | 3.96\% | 3.75\% | 4.56\% |
| 2024 | 2.06\% | 4.43\% | 3.64\% | 2049 | 3.97\% | 3.86\% | 4.59\% |
| 2025 | 2.34\% | 4.17\% | 3.56\% | 2050 | 3.99\% | 3.95\% | 4.61\% |
| 2026 | 2.57\% | 3.98\% | 3.50\% | 2051 | 3.99\% | 4.04\% | 4.63\% |
| 2027 | 2.80\% | 3.77\% | 3.45\% | 2052 | 4.01\% | 4.11\% | 4.64\% |
| 2028 | 3.00\% | 3.48\% | 3.44\% | 2053 | 4.02\% | 4.18\% | 4.65\% |
| 2029 | 3.15\% | 3.28\% | 3.44\% | 2054 | 4.04\% | 4.23\% | 4.66\% |
| 2030 | 3.28\% | 3.15\% | 3.45\% | 2055 | 4.05\% | 4.28\% | 4.66\% |
| 2031 | 3.39\% | 3.01\% | 3.49\% | 2056 | 4.06\% | 4.32\% | 4.67\% |
| 2032 | 3.45\% | 2.87\% | 3.53\% | 2057 | 4.06\% | 4.35\% | 4.67\% |

This schedule demonstrates that financial growth rates eventually stabilize close to the underlying assumed rate of wage inflation (4.5\% for MERS).

TABLE 24
Base Projection

## MERS Projected Funded Ratios 2007-2056 (\$ IN MiLlions)

| Year Ending <br> December 31, | Valuation <br> Assets | Accrued <br> Liabilities | Funded <br> Ratio | Year Ending <br> December 31, | Valuation <br> Assets | Accrued <br> Liabilities | Funded <br> Ratio |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | $\$ 5,816$ | $\$ 7,567$ | $76.9 \%$ | 2032 | $\$ 17,490$ | $\$ 19,340$ | $90.4 \%$ |
| 2008 | 6,186 | 7,969 | $77.6 \%$ | 2033 | 18,117 | 19,983 | $90.7 \%$ |
| 2009 | 6,570 | 8,382 | $78.4 \%$ | 2034 | 18,780 | 20,661 | $90.9 \%$ |
| 2010 | 6,967 | 8,803 | $79.1 \%$ | 2035 | 19,480 | 21,377 | $91.1 \%$ |
| 2011 | 7,376 | 9,232 | $79.9 \%$ | 2036 | 20,222 | 22,136 | $91.4 \%$ |
| 2012 | 7,798 | 9,665 | $80.7 \%$ | 2037 | 21,009 | 22,940 | $91.6 \%$ |
| 2013 | 8,229 | 10,102 | $81.5 \%$ | 2038 | 21,843 | 23,790 | $91.8 \%$ |
| 2014 | 8,669 | 10,542 | $82.2 \%$ | 2039 | 22,728 | 24,692 | $92.0 \%$ |
| 2015 | 9,121 | 10,983 | $83.0 \%$ | 2040 | 23,666 | 25,646 | $92.3 \%$ |
| 2016 | 9,583 | 11,426 | $83.9 \%$ | 2041 | 24,661 | 26,657 | $92.5 \%$ |
| 2017 | 10,047 | 11,870 | $84.6 \%$ | 2042 | 25,714 | 27,726 | $92.7 \%$ |
| 2018 | 10,512 | 12,316 | $85.4 \%$ | 2043 | 26,829 | 28,856 | $93.0 \%$ |
| 2019 | 10,978 | 12,764 | $86.0 \%$ | 2044 | 28,008 | 30,049 | $93.2 \%$ |
| 2020 | 11,443 | 13,216 | $86.6 \%$ | 2045 | 29,253 | 31,309 | $93.4 \%$ |
| 2021 | 11,906 | 13,670 | $87.1 \%$ | 2046 | 30,566 | 32,636 | $93.7 \%$ |
| 2022 | 12,369 | 14,129 | $87.5 \%$ | 2047 | 31,950 | 34,033 | $93.9 \%$ |
| 2023 | 12,833 | 14,593 | $87.9 \%$ | 2048 | 33,407 | 35,502 | $94.1 \%$ |
| 2024 | 13,301 | 15,063 | $88.3 \%$ | 2049 | 34,939 | 37,046 | $94.3 \%$ |
| 2025 | 13,774 | 15,542 | $88.6 \%$ | 2050 | 36,549 | 38,667 | $94.5 \%$ |
| 2026 | 14,256 | 16,031 | $88.9 \%$ | 2051 | 38,240 | 40,367 | $94.7 \%$ |
| 2027 | 14,748 | 16,532 | $89.2 \%$ | 2052 | 40,013 | 42,150 | $94.9 \%$ |
| 2028 | 15,255 | 17,050 | $89.5 \%$ | 2053 | 41,874 | 44,019 | $95.1 \%$ |
| 2029 | 15,779 | 17,586 | $89.7 \%$ | 2054 | 43,823 | 45,976 | $95.3 \%$ |
| 2030 | 16,324 | 18,145 | $90.0 \%$ | 2055 | 45,866 | 48,025 | $95.5 \%$ |
| 2031 | 16,893 | 18,728 | $90.2 \%$ | 2056 | 48,006 | 50,170 | $95.7 \%$ |

TABLE 25
Alternative 1 Projection 50-Year Fund Projection (\$ IN Millions)

| Year Ending <br> December 31, | Assets Beginning of Year | Contributions |  |  |  | Benefit <br> Payments | Investment Income | Assets End of Year |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employer | $\overline{\text { UAAL }}$ | Member |  |  |  |  |  |
|  |  | Normal Cost | Payment | Contribution | Total |  |  | Inflated | 2006 Dollars |
| 2007 | \$ 5,466 | \$125 | \$ 89 | \$ 46 | \$ 260 | \$ 344 | \$ 434 | \$ 5,816 | \$5,816 |
| 2008 | 5,816 | 128 | 98 | 48 | 275 | 366 | 456 | 6,180 | 5,914 |
| 2009 | 6,180 | 132 | 104 | 50 | 286 | 392 | 478 | 6,552 | 6,000 |
| 2010 | 6,552 | 136 | 110 | 52 | 297 | 421 | 500 | 6,928 | 6,071 |
| 2011 | 6,928 | 140 | 118 | 53 | 311 | 452 | 521 | 7,308 | 6,128 |
| 2012 | 7,308 | 144 | 127 | 55 | 326 | 486 | 542 | 7,690 | 6,171 |
| 2013 | 7,690 | 148 | 135 | 57 | 340 | 521 | 562 | 8,071 | 6,198 |
| 2014 | 8,071 | 152 | 144 | 59 | 356 | 559 | 582 | 8,451 | 6,210 |
| 2015 | 8,451 | 157 | 158 | 62 | 376 | 597 | 617 | 8,847 | 6,221 |
| 2016 | 8,847 | 162 | 170 | 64 | 397 | 637 | 620 | 9,226 | 6,208 |
| 2017 | 9,226 | 168 | 175 | 67 | 409 | 678 | 636 | 9,594 | 6,178 |
| 2018 | 9,594 | 174 | 178 | 69 | 421 | 718 | 661 | 9,958 | 6,136 |
| 2019 | 9,958 | 180 | 182 | 72 | 434 | 759 | 676 | 10,309 | 6,079 |
| 2020 | 10,309 | 186 | 185 | 75 | 447 | 800 | 699 | 10,655 | 6,012 |
| 2021 | 10,655 | 193 | 187 | 78 | 459 | 841 | 722 | 10,994 | 5,937 |
| 2022 | 10,994 | 201 | 191 | 81 | 473 | 883 | 734 | 11,318 | 5,848 |
| 2023 | 11,318 | 209 | 195 | 85 | 489 | 924 | 755 | 11,637 | 5,754 |
| 2024 | 11,637 | 217 | 202 | 88 | 507 | 965 | 776 | 11,955 | 5,657 |
| 2025 | 11,955 | 226 | 209 | 92 | 527 | 1,005 | 797 | 12,274 | 5,557 |
| 2026 | 12,274 | 235 | 217 | 96 | 549 | 1,045 | 818 | 12,594 | 5,457 |
| 2027 | 12,594 | 245 | 226 | 100 | 571 | 1,085 | 839 | 12,920 | 5,357 |
| 2028 | 12,920 | 256 | 235 | 105 | 596 | 1,123 | 861 | 13,254 | 5,259 |
| 2029 | 13,254 | 267 | 245 | 110 | 621 | 1,159 | 883 | 13,599 | 5,164 |
| 2030 | 13,599 | 278 | 256 | 114 | 648 | 1,196 | 906 | 13,958 | 5,072 |
| 2031 | 13,958 | 291 | 267 | 120 | 677 | 1,232 | 930 | 14,333 | 4,984 |
| 2032 | 14,333 | 303 | 278 | 125 | 706 | 1,267 | 956 | 14,727 | 4,900 |
| 2033 | 14,727 | 317 | 290 | 131 | 737 | 1,303 | 982 | 15,144 | 4,822 |
| 2034 | 15,144 | 331 | 302 | 137 | 770 | 1,338 | 1,010 | 15,586 | 4,749 |
| 2035 | 15,586 | 346 | 315 | 143 | 803 | 1,373 | 1,040 | 16,057 | 4,682 |
| 2036 | 16,057 | 361 | 328 | 149 | 839 | 1,409 | 1,072 | 16,559 | 4,620 |
| 2037 | 16,559 | 377 | 342 | 156 | 876 | 1,447 | 1,107 | 17,095 | 4,564 |
| 2038 | 17,095 | 394 | 357 | 163 | 914 | 1,486 | 1,143 | 17,666 | 4,514 |
| 2039 | 17,666 | 411 | 372 | 170 | 954 | 1,527 | 1,182 | 18,275 | 4,468 |
| 2040 | 18,275 | 430 | 388 | 178 | 996 | 1,570 | 1,223 | 18,924 | 4,428 |
| 2041 | 18,924 | 449 | 405 | 186 | 1,040 | 1,616 | 1,267 | 19,615 | 4,392 |
| 2042 | 19,615 | 469 | 423 | 194 | 1,086 | 1,665 | 1,314 | 20,350 | 4,360 |
| 2043 | 20,350 | 490 | 441 | 203 | 1,134 | 1,717 | 1,364 | 21,131 | 4,332 |
| 2044 | 21,131 | 512 | 460 | 212 | 1,184 | 1,773 | 1,417 | 21,959 | 4,308 |
| 2045 | 21,959 | 535 | 481 | 222 | 1,237 | 1,833 | 1,473 | 22,835 | 4,287 |
| 2046 | 22,835 | 558 | 502 | 232 | 1,292 | 1,898 | 1,532 | 23,762 | 4,269 |
| 2047 | 23,762 | 583 | 524 | 242 | 1,349 | 1,967 | 1,595 | 24,739 | 4,253 |
| 2048 | 24,739 | 609 | 547 | 253 | 1,410 | 2,040 | 1,661 | 25,769 | 4,240 |
| 2049 | 25,769 | 637 | 572 | 264 | 1,473 | 2,119 | 1,730 | 26,853 | 4,228 |
| 2050 | 26,853 | 665 | 597 | 276 | 1,539 | 2,203 | 1,803 | 27,993 | 4,217 |
| 2051 | 27,993 | 695 | 624 | 289 | 1,608 | 2,292 | 1,880 | 29,189 | 4,208 |
| 2052 | 29,189 | 726 | 653 | 301 | 1,680 | 2,386 | 1,961 | 30,444 | 4,200 |
| 2053 | 30,444 | 759 | 682 | 315 | 1,756 | 2,486 | 2,045 | 31,759 | 4,193 |
| 2054 | 31,759 | 793 | 713 | 329 | 1,835 | 2,591 | 2,134 | 33,137 | 4,187 |
| 2055 | 33,137 | 829 | 746 | 344 | 1,918 | 2,702 | 2,227 | 34,581 | 4,181 |
| 2056 | 34,581 | 866 | 780 | 359 | 2,005 | 2,819 | 2,324 | 36,091 | 4,175 |

Chart 13
Alternative 1 Projection Projected Trust Fund Assets


TABLE 26
Alternative 1 Projection
Projected Non-Investment Cash Flow 2007-2056 (\$ IN Millions)

| Year Ending <br> December 31, | External Cash Flow |  | Net External Cash Flow |  | Year Ending December 31, | External Cash Flow |  | Net External Cash Flow |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Inflow | Outflow | Dollars | \% of Assets |  | Inflow | Outflow | Dollars | \% of Assets |
| 2007 | \$260 | \$ 344 | \$ (84) | -1.53\% | 2032 | \$ 706 | \$1,267 | \$(561) | -3.91\% |
| 2008 | 275 | 366 | (92) | -1.58\% | 2033 | 737 | 1,303 | (566) | -3.84\% |
| 2009 | 286 | 392 | (107) | -1.72\% | 2034 | 770 | 1,338 | (568) | -3.75\% |
| 2010 | 297 | 421 | (124) | -1.89\% | 2035 | 803 | 1,373 | (570) | -3.66\% |
| 2011 | 311 | 452 | (141) | -2.04\% | 2036 | 839 | 1,409 | (570) | -3.55\% |
| 2012 | 326 | 486 | (160) | -2.19\% | 2037 | 876 | 1,447 | (571) | -3.45\% |
| 2013 | 340 | 521 | (181) | -2.35\% | 2038 | 914 | 1,486 | (572) | -3.35\% |
| 2014 | 356 | 559 | (202) | -2.51\% | 2039 | 954 | 1,527 | (573) | -3.24\% |
| 2015 | 376 | 597 | (221) | -2.61\% | 2040 | 996 | 1,570 | (574) | -3.14\% |
| 2016 | 397 | 637 | (241) | -2.72\% | 2041 | 1,040 | 1,616 | (576) | -3.04\% |
| 2017 | 409 | 678 | (268) | -2.91\% | 2042 | 1,086 | 1,665 | (579) | -2.95\% |
| 2018 | 421 | 718 | (298) | -3.10\% | 2043 | 1,134 | 1,717 | (583) | -2.87\% |
| 2019 | 434 | 759 | (325) | -3.26\% | 2044 | 1,184 | 1,773 | (589) | -2.79\% |
| 2020 | 447 | 800 | (353) | -3.43\% | 2045 | 1,237 | 1,833 | (596) | -2.72\% |
| 2021 | 459 | 841 | (383) | -3.59\% | 2046 | 1,292 | 1,898 | (606) | -2.65\% |
| 2022 | 473 | 883 | (410) | -3.73\% | 2047 | 1,349 | 1,967 | (617) | -2.60\% |
| 2023 | 489 | 924 | (435) | -3.85\% | 2048 | 1,410 | 2,040 | (631) | -2.55\% |
| 2024 | 507 | 965 | (458) | -3.94\% | 2049 | 1,473 | 2,119 | (646) | -2.51\% |
| 2025 | 527 | 1,005 | (478) | -4.00\% | 2050 | 1,539 | 2,203 | (664) | -2.47\% |
| 2026 | 549 | 1,045 | (497) | -4.05\% | 2051 | 1,608 | 2,292 | (684) | -2.44\% |
| 2027 | 571 | 1,085 | (513) | -4.08\% | 2052 | 1,680 | 2,386 | (706) | -2.42\% |
| 2028 | 596 | 1,123 | (527) | -4.08\% | 2053 | 1,756 | 2,486 | (730) | -2.40\% |
| 2029 | 621 | 1,159 | (538) | -4.06\% | 2054 | 1,835 | 2,591 | (756) | -2.38\% |
| 2030 | 648 | 1,196 | (548) | -4.03\% | 2055 | 1,918 | 2,702 | (784) | -2.36\% |
| 2031 | 677 | 1,232 | (555) | -3.98\% | 2056 | 2,005 | 2,819 | (813) | -2.35\% |

The net external cash flow is currently in a negative position (i.e., benefits paid are more than contributions received). It is expected to become more negative over the next 50 years. Investment return is needed to pay benefits (a natural result from level contribution financing). Long range, the $2.5 \%$ annual real investment return (return in excess of inflation under Alternative 1) will be needed to pay benefits. The remainder of investment return (the inflation portion--4.5\% in this projection) is needed to preserve the purchasing power of the assets.

## CHART 14

## Alternative 1 Projection

## Projected Net Change in Assets <br> Amounts of INFLATED DOLLARS



The results shown in the above chart do not show changes of constant value, because amounts of change are inflated dollar amounts. The Net Change in Assets, the blue bars, indicate perpetual additions to trust fund assets. While this is true (and necessary) in inflated dollars, it is not true in terms of constant value. Constant value changes are shown by the chart on page 53.

TABLE 27
Alternative 1 Projection
CASH Flows as \%'s OF Payroll 2007-2056

| Year Ending <br> December 31, | External Cash Flow <br>  <br>  <br> Rentributions | Benefits <br> Paid | Investment <br> Return | Year Ending <br> December 31, | Contributions <br> Received | Benefits <br> Paid | Investment <br> Return |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $16.33 \%$ | $21.59 \%$ | $27.21 \%$ | 2032 | $17.22 \%$ | $30.89 \%$ | $23.29 \%$ |
| 2008 | $16.68 \%$ | $22.27 \%$ | $27.69 \%$ | 2033 | $17.20 \%$ | $30.39 \%$ | $22.91 \%$ |
| 2009 | $16.82 \%$ | $23.09 \%$ | $28.12 \%$ | 2034 | $17.18 \%$ | $29.87 \%$ | $22.56 \%$ |
| 2010 | $16.95 \%$ | $24.00 \%$ | $28.49 \%$ | 2035 | $17.16 \%$ | $29.33 \%$ | $22.23 \%$ |
| 2011 | $17.16 \%$ | $24.95 \%$ | $28.77 \%$ | 2036 | $17.14 \%$ | $28.80 \%$ | $21.92 \%$ |
| 2012 | $17.41 \%$ | $25.96 \%$ | $28.98 \%$ | 2037 | $17.12 \%$ | $28.30 \%$ | $21.64 \%$ |
| 2013 | $17.60 \%$ | $26.97 \%$ | $29.09 \%$ | 2038 | $17.11 \%$ | $27.81 \%$ | $21.39 \%$ |
| 2014 | $17.83 \%$ | $27.95 \%$ | $29.11 \%$ | 2039 | $17.09 \%$ | $27.35 \%$ | $21.17 \%$ |
| 2015 | $18.20 \%$ | $28.88 \%$ | $29.84 \%$ | 2040 | $17.08 \%$ | $26.92 \%$ | $20.96 \%$ |
| 2016 | $18.51 \%$ | $29.75 \%$ | $28.92 \%$ | 2041 | $17.06 \%$ | $26.51 \%$ | $20.79 \%$ |
| 2017 | $18.43 \%$ | $30.52 \%$ | $28.66 \%$ | 2042 | $17.05 \%$ | $26.14 \%$ | $20.63 \%$ |
| 2018 | $18.25 \%$ | $31.18 \%$ | $28.70 \%$ | 2043 | $17.04 \%$ | $25.80 \%$ | $20.49 \%$ |
| 2019 | $18.15 \%$ | $31.72 \%$ | $28.25 \%$ | 2044 | $17.03 \%$ | $25.49 \%$ | $20.37 \%$ |
| 2020 | $17.97 \%$ | $32.17 \%$ | $28.13 \%$ | 2045 | $17.02 \%$ | $25.22 \%$ | $20.27 \%$ |
| 2021 | $17.75 \%$ | $32.56 \%$ | $27.94 \%$ | 2046 | $17.01 \%$ | $24.99 \%$ | $20.18 \%$ |
| 2022 | $17.59 \%$ | $32.84 \%$ | $27.29 \%$ | 2047 | $17.01 \%$ | $24.79 \%$ | $20.10 \%$ |
| 2023 | $17.47 \%$ | $33.03 \%$ | $26.98 \%$ | 2048 | $17.01 \%$ | $24.61 \%$ | $20.03 \%$ |
| 2024 | $17.40 \%$ | $33.12 \%$ | $26.62 \%$ | 2049 | $17.00 \%$ | $24.47 \%$ | $19.98 \%$ |
| 2025 | $17.36 \%$ | $33.11 \%$ | $26.24 \%$ | 2050 | $17.00 \%$ | $24.34 \%$ | $19.93 \%$ |
| 2026 | $17.33 \%$ | $33.02 \%$ | $25.83 \%$ | 2051 | $17.00 \%$ | $24.24 \%$ | $19.88 \%$ |
| 2027 | $17.30 \%$ | $32.85 \%$ | $25.40 \%$ | 2052 | $17.01 \%$ | $24.15 \%$ | $19.85 \%$ |
| 2028 | $17.28 \%$ | $32.57 \%$ | $24.97 \%$ | 2053 | $17.01 \%$ | $24.08 \%$ | $19.81 \%$ |
| 2029 | $17.27 \%$ | $32.22 \%$ | $24.54 \%$ | 2054 | $17.01 \%$ | $24.02 \%$ | $19.78 \%$ |
| 2030 | $17.25 \%$ | $31.82 \%$ | $24.11 \%$ | 2055 | $17.02 \%$ | $23.97 \%$ | $19.75 \%$ |
| 2031 | $17.24 \%$ | $31.37 \%$ | $23.69 \%$ | 2056 | $17.03 \%$ | $23.93 \%$ | $19.73 \%$ |

This schedule demonstrates three important points:

1. Benefit payout continues to grow in real dollars, and
2. Investment return has already become the largest source of revenue for the retirement system - - a natural result of level contribution financing.
3. Compared to the Base Projection, under the Alternative 1 Projection more of the benefit payout comes from contributions, and less from investment return.

## Chart 15 <br> Alternative 1 Projection <br> Projected Pattern of Contribution Income and Benefit Payout



TABLE 28
Alternative 1 Projection MERS Projected Financial Growth Rates 2008-2057

| Year Ending December 31, | Annual Growth in: |  |  | Year Ending December 31, | Annual Growth in: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Contributions | Benefits | Assets |  | Contributions | Benefits | Assets |
| 2008 | 5.43\% | 6.47\% | 6.26\% | 2033 | 4.37\% | 2.79\% | 2.83\% |
| 2009 | 4.14\% | 7.08\% | 6.01\% | 2034 | 4.39\% | 2.70\% | 2.92\% |
| 2010 | 4.00\% | 7.28\% | 5.74\% | 2035 | 4.39\% | 2.63\% | 3.02\% |
| 2011 | 4.57\% | 7.35\% | 5.49\% | 2036 | 4.39\% | 2.62\% | 3.13\% |
| 2012 | 4.75\% | 7.43\% | 5.23\% | 2037 | 4.39\% | 2.67\% | 3.23\% |
| 2013 | 4.45\% | 7.34\% | 4.96\% | 2038 | 4.40\% | 2.71\% | 3.34\% |
| 2014 | 4.78\% | 7.18\% | 4.70\% | 2039 | 4.40\% | 2.77\% | 3.45\% |
| 2015 | 5.63\% | 6.90\% | 4.69\% | 2040 | 4.40\% | 2.85\% | 3.55\% |
| 2016 | 5.33\% | 6.72\% | 4.28\% | 2041 | 4.41\% | 2.92\% | 3.65\% |
| 2017 | 3.23\% | 6.33\% | 3.99\% | 2042 | 4.42\% | 3.02\% | 3.75\% |
| 2018 | 2.73\% | 5.99\% | 3.79\% | 2043 | 4.42\% | 3.13\% | 3.84\% |
| 2019 | 3.23\% | 5.66\% | 3.53\% | 2044 | 4.43\% | 3.26\% | 3.92\% |
| 2020 | 2.86\% | 5.37\% | 3.36\% | 2045 | 4.44\% | 3.38\% | 3.99\% |
| 2021 | 2.70\% | 5.20\% | 3.19\% | 2046 | 4.45\% | 3.51\% | 4.06\% |
| 2022 | 3.11\% | 4.92\% | 2.95\% | 2047 | 4.46\% | 3.64\% | 4.11\% |
| 2023 | 3.37\% | 4.71\% | 2.82\% | 2048 | 4.47\% | 3.75\% | 4.16\% |
| 2024 | 3.73\% | 4.43\% | 2.73\% | 2049 | 4.47\% | 3.86\% | 4.21\% |
| 2025 | 3.96\% | 4.17\% | 2.66\% | 2050 | 4.48\% | 3.95\% | 4.24\% |
| 2026 | 4.06\% | 3.98\% | 2.61\% | 2051 | 4.49\% | 4.04\% | 4.27\% |
| 2027 | 4.17\% | 3.77\% | 2.59\% | 2052 | 4.50\% | 4.11\% | 4.30\% |
| 2028 | 4.26\% | 3.48\% | 2.58\% | 2053 | 4.51\% | 4.18\% | 4.32\% |
| 2029 | 4.31\% | 3.28\% | 2.60\% | 2054 | 4.52\% | 4.23\% | 4.34\% |
| 2030 | 4.34\% | 3.15\% | 2.64\% | 2055 | 4.53\% | 4.28\% | 4.36\% |
| 2031 | 4.37\% | 3.01\% | 2.69\% | 2056 | 4.53\% | 4.32\% | 4.37\% |
| 2032 | 4.36\% | 2.87\% | 2.75\% | 2057 | 4.53\% | 4.35\% | 4.38\% |

This schedule demonstrates that financial growth rates eventually stabilize close to the underlying assumed rate of wage inflation (4.5\% for MERS).

TABLE 29
Alternative 1 Projection MERS Projected Funded Ratios 2007-2056 (\$ IN Millions)

| Year Ending <br> December 31, | Valuation <br> Assets | Accrued <br> Liabilities | Funded <br> Ratio | Year Ending <br> December 31, | Valuation <br> Assets | Accrued <br> Liabilities | Funded <br> Ratio |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | $\$ 5,816$ | $\$ 7,567$ | $76.9 \%$ | 2032 | $\$ 14,727$ | $\$ 19,340$ | $76.2 \%$ |
| 2008 | 6,180 | 7,969 | $77.6 \%$ | 2033 | 15,144 | 19,983 | $75.8 \%$ |
| 2009 | 6,552 | 8,382 | $78.2 \%$ | 2034 | 15,586 | 20,661 | $75.4 \%$ |
| 2010 | 6,928 | 8,803 | $78.7 \%$ | 2035 | 16,057 | 21,377 | $75.1 \%$ |
| 2011 | 7,308 | 9,232 | $79.2 \%$ | 2036 | 16,559 | 22,136 | $74.8 \%$ |
| 2012 | 7,690 | 9,665 | $79.6 \%$ | 2037 | 17,095 | 22,940 | $74.5 \%$ |
| 2013 | 8,071 | 10,102 | $79.9 \%$ | 2038 | 17,666 | 23,790 | $74.3 \%$ |
| 2014 | 8,451 | 10,542 | $80.2 \%$ | 2039 | 18,275 | 24,692 | $74.0 \%$ |
| 2015 | 8,847 | 10,983 | $80.6 \%$ | 2040 | 18,924 | 25,646 | $73.8 \%$ |
| 2016 | 9,226 | 11,426 | $80.7 \%$ | 2041 | 19,615 | 26,657 | $73.6 \%$ |
| 2017 | 9,594 | 11,870 | $80.8 \%$ | 2042 | 20,350 | 27,726 | $73.4 \%$ |
| 2018 | 9,958 | 12,316 | $80.9 \%$ | 2043 | 21,131 | 28,856 | $73.2 \%$ |
| 2019 | 10,309 | 12,764 | $80.8 \%$ | 2044 | 21,959 | 30,049 | $73.1 \%$ |
| 2020 | 10,655 | 13,216 | $80.6 \%$ | 2045 | 22,835 | 31,309 | $72.9 \%$ |
| 2021 | 10,994 | 13,670 | $80.4 \%$ | 2046 | 23,762 | 32,636 | $72.8 \%$ |
| 2022 | 11,318 | 14,129 | $80.1 \%$ | 2047 | 24,739 | 34,033 | $72.7 \%$ |
| 2023 | 11,637 | 14,593 | $79.7 \%$ | 2048 | 25,769 | 35,502 | $72.6 \%$ |
| 2024 | 11,955 | 15,063 | $79.4 \%$ | 2049 | 26,853 | 37,046 | $72.5 \%$ |
| 2025 | 12,274 | 15,542 | $79.0 \%$ | 2050 | 27,993 | 38,667 | $72.4 \%$ |
| 2026 | 12,594 | 16,031 | $78.6 \%$ | 2051 | 29,189 | 40,367 | $72.3 \%$ |
| 2027 | 12,920 | 16,532 | $78.2 \%$ | 2052 | 30,444 | 42,150 | $72.2 \%$ |
| 2028 | 13,254 | 17,050 | $77.7 \%$ | 2053 | 31,759 | 44,019 | $72.1 \%$ |
| 2029 | 13,599 | 17,586 | $77.3 \%$ | 2054 | 33,137 | 45,976 | $72.1 \%$ |
| 2030 | 13,958 | 18,145 | $76.9 \%$ | 2055 | 34,581 | 48,025 | $72.0 \%$ |
| 2031 | 14,333 | 18,728 | $76.5 \%$ | 2056 | 36,091 | 50,170 | $71.9 \%$ |

TABLE 30
Alternative 2 Projection 50-Year Fund Projection (\$ IN Millions)

| Year Ending December 31, | Assets Beginning of Year | Contributions |  |  |  | Benefit <br> Payments | Investment Income | Assets End of Year |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Employer Normal Cost | UAAL <br> Payment | Member Contribution | Total |  |  |  |  |
|  |  |  |  |  |  |  |  | Inflated | 2006 Dollars |
| 2007 | \$ 5,466 | \$ 125 | \$ 89 | \$ 46 | \$ 260 | \$ 344 | \$ 429 | \$ 5,811 | \$5,811 |
| 2008 | 5,811 | 128 | 98 | 48 | 275 | 366 | 444 | 6,163 | 5,898 |
| 2009 | 6,163 | 132 | 104 | 50 | 286 | 392 | 458 | 6,515 | 5,966 |
| 2010 | 6,515 | 136 | 111 | 52 | 298 | 421 | 471 | 6,863 | 6,014 |
| 2011 | 6,863 | 140 | 120 | 53 | 313 | 452 | 489 | 7,213 | 6,049 |
| 2012 | 7,213 | 144 | 131 | 55 | 330 | 486 | 499 | 7,557 | 6,064 |
| 2013 | 7,557 | 148 | 141 | 57 | 346 | 521 | 508 | 7,890 | 6,059 |
| 2014 | 7,890 | 152 | 154 | 59 | 366 | 559 | 514 | 8,212 | 6,034 |
| 2015 | 8,212 | 157 | 171 | 62 | 390 | 597 | 527 | 8,531 | 5,999 |
| 2016 | 8,531 | 162 | 189 | 64 | 415 | 637 | 514 | 8,823 | 5,937 |
| 2017 | 8,823 | 168 | 200 | 67 | 434 | 678 | 522 | 9,101 | 5,860 |
| 2018 | 9,101 | 174 | 209 | 69 | 452 | 718 | 529 | 9,364 | 5,770 |
| 2019 | 9,364 | 180 | 221 | 72 | 473 | 759 | 535 | 9,613 | 5,669 |
| 2020 | 9,613 | 186 | 232 | 75 | 493 | 800 | 549 | 9,855 | 5,561 |
| 2021 | 9,855 | 193 | 241 | 78 | 513 | 841 | 552 | 10,079 | 5,442 |
| 2022 | 10,079 | 201 | 252 | 81 | 534 | 883 | 555 | 10,285 | 5,315 |
| 2023 | 10,285 | 209 | 265 | 85 | 558 | 924 | 566 | 10,485 | 5,185 |
| 2024 | 10,485 | 217 | 279 | 88 | 585 | 965 | 566 | 10,671 | 5,049 |
| 2025 | 10,671 | 226 | 295 | 92 | 613 | 1,005 | 576 | 10,855 | 4,915 |
| 2026 | 10,855 | 235 | 312 | 96 | 644 | 1,045 | 586 | 11,039 | 4,783 |
| 2027 | 11,039 | 245 | 330 | 100 | 675 | 1,085 | 596 | 11,225 | 4,654 |
| 2028 | 11,225 | 256 | 348 | 105 | 709 | 1,123 | 606 | 11,417 | 4,530 |
| 2029 | 11,417 | 267 | 367 | 110 | 743 | 1,159 | 617 | 11,617 | 4,411 |
| 2030 | 11,617 | 278 | 386 | 114 | 779 | 1,196 | 627 | 11,828 | 4,298 |
| 2031 | 11,828 | 291 | 406 | 120 | 816 | 1,232 | 639 | 12,051 | 4,190 |
| 2032 | 12,051 | 303 | 426 | 125 | 855 | 1,267 | 651 | 12,290 | 4,089 |
| 2033 | 12,290 | 317 | 447 | 131 | 895 | 1,303 | 665 | 12,547 | 3,995 |
| 2034 | 12,547 | 331 | 469 | 137 | 936 | 1,338 | 679 | 12,825 | 3,908 |
| 2035 | 12,825 | 346 | 491 | 143 | 980 | 1,373 | 695 | 13,126 | 3,827 |
| 2036 | 13,126 | 361 | 514 | 149 | 1,025 | 1,409 | 711 | 13,453 | 3,754 |
| 2037 | 13,453 | 377 | 538 | 156 | 1,071 | 1,447 | 730 | 13,807 | 3,686 |
| 2038 | 13,807 | 394 | 563 | 163 | 1,120 | 1,486 | 749 | 14,190 | 3,626 |
| 2039 | 14,190 | 411 | 589 | 170 | 1,171 | 1,527 | 771 | 14,605 | 3,571 |
| 2040 | 14,605 | 430 | 616 | 178 | 1,223 | 1,570 | 794 | 15,052 | 3,522 |
| 2041 | 15,052 | 449 | 644 | 186 | 1,279 | 1,616 | 819 | 15,532 | 3,478 |
| 2042 | 15,532 | 469 | 673 | 194 | 1,336 | 1,665 | 845 | 16,049 | 3,439 |
| 2043 | 16,049 | 490 | 703 | 203 | 1,396 | 1,717 | 874 | 16,602 | 3,404 |
| 2044 | 16,602 | 512 | 735 | 212 | 1,459 | 1,773 | 904 | 17,192 | 3,373 |
| 2045 | 17,192 | 535 | 769 | 222 | 1,525 | 1,833 | 937 | 17,821 | 3,346 |
| 2046 | 17,821 | 558 | 804 | 232 | 1,594 | 1,898 | 972 | 18,489 | 3,322 |
| 2047 | 18,489 | 583 | 840 | 242 | 1,666 | 1,967 | 1,009 | 19,197 | 3,301 |
| 2048 | 19,197 | 609 | 879 | 253 | 1,741 | 2,040 | 1,048 | 19,945 | 3,282 |
| 2049 | 19,945 | 637 | 919 | 264 | 1,820 | 2,119 | 1,089 | 20,735 | 3,265 |
| 2050 | 20,735 | 665 | 961 | 276 | 1,903 | 2,203 | 1,132 | 21,567 | 3,249 |
| 2051 | 21,567 | 695 | 1,005 | 289 | 1,989 | 2,292 | 1,178 | 22,442 | 3,235 |
| 2052 | 22,442 | 726 | 1,052 | 301 | 2,080 | 2,386 | 1,226 | 23,361 | 3,223 |
| 2053 | 23,361 | 759 | 1,100 | 315 | 2,174 | 2,486 | 1,276 | 24,325 | 3,212 |
| 2054 | 24,325 | 793 | 1,151 | 329 | 2,274 | 2,591 | 1,329 | 25,337 | 3,201 |
| 2055 | 25,337 | 829 | 1,205 | 344 | 2,377 | 2,702 | 1,385 | 26,397 | 3,191 |
| 2056 | 26,397 | 866 | 1,261 | 359 | 2,486 | 2,819 | 1,443 | 27,507 | 3,182 |

Chart 16
Alternative 2 Projection Projected Trust Fund Assets


TABLE 31

## Alternative 2 Projection Projected Non-Investment Cash Flow 2007-2056 (\$ IN MILLIONS)

| Year Ending <br> December 31, | External Cash Flow |  | Net External Cash Flow |  | Year Ending <br> December 31, | External Cash Flow |  | Net External Cash Flow |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Inflow | Outflow | Dollars | \% of Assets |  | Inflow | Outflow | Dollars | \% of Assets |
| 2007 | \$ 260 | \$ 344 | \$ (84) | -1.53\% | 2032 | \$ 855 | \$1,267 | \$(413) | -3.42\% |
| 2008 | 275 | 366 | (92) | -1.58\% | 2033 | 895 | 1,303 | (408) | -3.32\% |
| 2009 | 286 | 392 | (106) | -1.73\% | 2034 | 936 | 1,338 | (401) | -3.20\% |
| 2010 | 298 | 421 | (123) | -1.88\% | 2035 | 980 | 1,373 | (393) | -3.07\% |
| 2011 | 313 | 452 | (139) | -2.02\% | 2036 | 1,025 | 1,409 | (385) | -2.93\% |
| 2012 | 330 | 486 | (156) | -2.16\% | 2037 | 1,071 | 1,447 | (375) | -2.79\% |
| 2013 | 346 | 521 | (175) | -2.31\% | 2038 | 1,120 | 1,486 | (366) | -2.65\% |
| 2014 | 366 | 559 | (193) | -2.45\% | 2039 | 1,171 | 1,527 | (356) | -2.51\% |
| 2015 | 390 | 597 | (207) | -2.53\% | 2040 | 1,223 | 1,570 | (347) | -2.38\% |
| 2016 | 415 | 637 | (222) | -2.61\% | 2041 | 1,279 | 1,616 | (338) | -2.24\% |
| 2017 | 434 | 678 | (244) | -2.76\% | 2042 | 1,336 | 1,665 | (329) | -2.12\% |
| 2018 | 452 | 718 | (266) | -2.92\% | 2043 | 1,396 | 1,717 | (321) | -2.00\% |
| 2019 | 473 | 759 | (286) | -3.05\% | 2044 | 1,459 | 1,773 | (314) | -1.89\% |
| 2020 | 493 | 800 | (306) | -3.19\% | 2045 | 1,525 | 1,833 | (308) | -1.79\% |
| 2021 | 513 | 841 | (329) | -3.33\% | 2046 | 1,594 | 1,898 | (304) | -1.70\% |
| 2022 | 534 | 883 | (348) | -3.46\% | 2047 | 1,666 | 1,967 | (301) | -1.63\% |
| 2023 | 558 | 924 | (366) | -3.56\% | 2048 | 1,741 | 2,040 | (299) | -1.56\% |
| 2024 | 585 | 965 | (381) | -3.63\% | 2049 | 1,820 | 2,119 | (299) | -1.50\% |
| 2025 | 613 | 1,005 | (392) | -3.67\% | 2050 | 1,903 | 2,203 | (300) | -1.45\% |
| 2026 | 644 | 1,045 | (402) | -3.70\% | 2051 | 1,989 | 2,292 | (303) | -1.40\% |
| 2027 | 675 | 1,085 | (409) | -3.71\% | 2052 | 2,080 | 2,386 | (307) | -1.37\% |
| 2028 | 709 | 1,123 | (414) | -3.69\% | 2053 | 2,174 | 2,486 | (312) | -1.33\% |
| 2029 | 743 | 1,159 | (416) | -3.65\% | 2054 | 2,274 | 2,591 | (318) | -1.31\% |
| 2030 | 779 | 1,196 | (417) | -3.59\% | 2055 | 2,377 | 2,702 | (325) | -1.28\% |
| 2031 | 816 | 1,232 | (416) | -3.51\% | 2056 | 2,486 | 2,819 | (332) | -1.26\% |

The net external cash flow is currently in a negative position (i.e., benefits paid are more than contributions received). It is expected to become more negative over the next 25 years. The following 25 years the contributions have to increase (due to the low investment return under Alternative 2 ), so the net external cash flow becomes less negative. Investment return is needed to pay benefits (a natural result from level contribution financing). Long range, the $1.5 \%$ annual real investment return (return in excess of inflation under Alternative 2 ) will be needed to pay benefits. The remainder of investment return (the inflation portion--4.5\% in this projection) is needed to preserve the purchasing power of the assets.

## Chart 17

## Alternative 2 Projection

## Projected Net Change in Assets <br> Amounts of INFLATED DOLLARS



The results shown in the above chart do not show changes of constant value, because amounts of change are inflated dollar amounts. The Net Change in Assets, the blue bars, indicate perpetual additions to trust fund assets. While this is true (and necessary) in inflated dollars, it is not true in terms of constant value. Constant value changes are shown by the chart on page 61.

TABLE 32
Alternative 2 Projection
Cash Flows as \%'s OF Payroll 2007-2056

| Year Ending <br> December 31, | $\|c\|$ <br> External Cash Flow <br> Received | Enefits <br> Paid | Investment <br> Return | Year Ending <br> December 31, | Contributions <br> Received | Benefits <br> Paid | Investment <br> Return |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $16.33 \%$ | $21.59 \%$ | $26.87 \%$ | 2032 | $20.84 \%$ | $30.89 \%$ | $15.88 \%$ |
| 2008 | $16.68 \%$ | $22.27 \%$ | $26.97 \%$ | 2033 | $20.87 \%$ | $30.39 \%$ | $15.51 \%$ |
| 2009 | $16.84 \%$ | $23.09 \%$ | $26.96 \%$ | 2034 | $20.90 \%$ | $29.87 \%$ | $15.16 \%$ |
| 2010 | $17.00 \%$ | $24.00 \%$ | $26.86 \%$ | 2035 | $20.93 \%$ | $29.33 \%$ | $14.84 \%$ |
| 2011 | $17.28 \%$ | $24.95 \%$ | $27.00 \%$ | 2036 | $20.94 \%$ | $28.80 \%$ | $14.54 \%$ |
| 2012 | $17.63 \%$ | $25.96 \%$ | $26.70 \%$ | 2037 | $20.95 \%$ | $28.30 \%$ | $14.27 \%$ |
| 2013 | $17.92 \%$ | $26.97 \%$ | $26.28 \%$ | 2038 | $20.96 \%$ | $27.81 \%$ | $14.02 \%$ |
| 2014 | $18.30 \%$ | $27.95 \%$ | $25.74 \%$ | 2039 | $20.97 \%$ | $27.35 \%$ | $13.80 \%$ |
| 2015 | $18.85 \%$ | $28.88 \%$ | $25.48 \%$ | 2040 | $20.97 \%$ | $26.92 \%$ | $13.60 \%$ |
| 2016 | $19.37 \%$ | $29.75 \%$ | $23.98 \%$ | 2041 | $20.97 \%$ | $26.51 \%$ | $13.43 \%$ |
| 2017 | $19.55 \%$ | $30.52 \%$ | $23.51 \%$ | 2042 | $20.98 \%$ | $26.14 \%$ | $13.27 \%$ |
| 2018 | $19.63 \%$ | $31.18 \%$ | $22.97 \%$ | 2043 | $20.98 \%$ | $25.80 \%$ | $13.13 \%$ |
| 2019 | $19.78 \%$ | $31.72 \%$ | $22.36 \%$ | 2044 | $20.98 \%$ | $25.49 \%$ | $13.00 \%$ |
| 2020 | $19.84 \%$ | $32.17 \%$ | $22.07 \%$ | 2045 | $20.98 \%$ | $25.22 \%$ | $12.89 \%$ |
| 2021 | $19.84 \%$ | $32.56 \%$ | $21.38 \%$ | 2046 | $20.99 \%$ | $24.99 \%$ | $12.80 \%$ |
| 2022 | $19.88 \%$ | $32.84 \%$ | $20.63 \%$ | 2047 | $21.00 \%$ | $24.79 \%$ | $12.71 \%$ |
| 2023 | $19.95 \%$ | $33.03 \%$ | $20.22 \%$ | 2048 | $21.00 \%$ | $24.61 \%$ | $12.64 \%$ |
| 2024 | $20.06 \%$ | $33.12 \%$ | $19.43 \%$ | 2049 | $21.01 \%$ | $24.47 \%$ | $12.57 \%$ |
| 2025 | $20.20 \%$ | $33.11 \%$ | $18.97 \%$ | 2050 | $21.02 \%$ | $24.34 \%$ | $12.51 \%$ |
| 2026 | $20.33 \%$ | $33.02 \%$ | $18.51 \%$ | 2051 | $21.03 \%$ | $24.24 \%$ | $12.46 \%$ |
| 2027 | $20.45 \%$ | $32.85 \%$ | $18.04 \%$ | 2052 | $21.05 \%$ | $24.15 \%$ | $12.41 \%$ |
| 2028 | $20.56 \%$ | $32.57 \%$ | $17.58 \%$ | 2053 | $21.06 \%$ | $24.08 \%$ | $12.36 \%$ |
| 2029 | $20.65 \%$ | $32.22 \%$ | $17.13 \%$ | 2054 | $21.08 \%$ | $24.02 \%$ | $12.32 \%$ |
| 2030 | $20.72 \%$ | $31.82 \%$ | $16.69 \%$ | 2055 | $21.09 \%$ | $23.97 \%$ | $12.28 \%$ |
| 2031 | $20.79 \%$ | $31.37 \%$ | $16.28 \%$ | 2056 | $21.11 \%$ | $23.93 \%$ | $12.25 \%$ |

This schedule demonstrates three important points:

1. Benefit payout continues to grow in real dollars, and
2. Investment return has already become the largest source of revenue for the retirement system - - a natural result of level contribution financing.
3. Compared to the Base Projection, under the Alternative 2 Projection much more of the benefit payout comes from contributions, and less from investment return.

CHART 18
Alternative 2 Projection
Projected Pattern of Contribution Income and Benefit Payout


TABLE 33
Alternative 2 Projection MERS Projected Financial Growth Rates 2008-2057

| Year Ending December 31, | Annual Growth in: |  |  | Year Ending <br> December 31, | Annual Growth in: |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Contributions | Benefits | Assets |  | Contributions | Benefits | Assets |
| 2008 | 5.43\% | 6.47\% | 6.06\% | 2033 | 4.68\% | 2.79\% | 2.09\% |
| 2009 | 4.23\% | 7.08\% | 5.71\% | 2034 | 4.65\% | 2.70\% | 2.21\% |
| 2010 | 4.23\% | 7.28\% | 5.35\% | 2035 | 4.62\% | 2.63\% | 2.35\% |
| 2011 | 4.96\% | 7.35\% | 5.10\% | 2036 | 4.59\% | 2.62\% | 2.49\% |
| 2012 | 5.33\% | 7.43\% | 4.76\% | 2037 | 4.56\% | 2.67\% | 2.63\% |
| 2013 | 5.07\% | 7.34\% | 4.41\% | 2038 | 4.54\% | 2.71\% | 2.78\% |
| 2014 | 5.54\% | 7.18\% | 4.07\% | 2039 | 4.53\% | 2.77\% | 2.92\% |
| 2015 | 6.60\% | 6.90\% | 3.89\% | 2040 | 4.51\% | 2.85\% | 3.06\% |
| 2016 | 6.47\% | 6.72\% | 3.41\% | 2041 | 4.51\% | 2.92\% | 3.19\% |
| 2017 | 4.58\% | 6.33\% | 3.16\% | 2042 | 4.51\% | 3.02\% | 3.32\% |
| 2018 | 4.19\% | 5.99\% | 2.89\% | 2043 | 4.50\% | 3.13\% | 3.45\% |
| 2019 | 4.64\% | 5.66\% | 2.66\% | 2044 | 4.51\% | 3.26\% | 3.56\% |
| 2020 | 4.22\% | 5.37\% | 2.52\% | 2045 | 4.51\% | 3.38\% | 3.66\% |
| 2021 | 3.95\% | 5.20\% | 2.27\% | 2046 | 4.51\% | 3.51\% | 3.75\% |
| 2022 | 4.22\% | 4.92\% | 2.05\% | 2047 | 4.52\% | 3.64\% | 3.83\% |
| 2023 | 4.47\% | 4.71\% | 1.94\% | 2048 | 4.52\% | 3.75\% | 3.90\% |
| 2024 | 4.72\% | 4.43\% | 1.77\% | 2049 | 4.53\% | 3.86\% | 3.96\% |
| 2025 | 4.93\% | 4.17\% | 1.72\% | 2050 | 4.54\% | 3.95\% | 4.01\% |
| 2026 | 4.95\% | 3.98\% | 1.70\% | 2051 | 4.54\% | 4.04\% | 4.06\% |
| 2027 | 4.93\% | 3.77\% | 1.69\% | 2052 | 4.55\% | 4.11\% | 4.10\% |
| 2028 | 4.91\% | 3.48\% | 1.71\% | 2053 | 4.56\% | 4.18\% | 4.13\% |
| 2029 | 4.87\% | 3.28\% | 1.75\% | 2054 | 4.56\% | 4.23\% | 4.16\% |
| 2030 | 4.83\% | 3.15\% | 1.81\% | 2055 | 4.57\% | 4.28\% | 4.18\% |
| 2031 | 4.79\% | 3.01\% | 1.89\% | 2056 | 4.58\% | 4.32\% | 4.21\% |
| 2032 | 4.72\% | 2.87\% | 1.98\% | 2057 | 4.58\% | 4.35\% | 4.23\% |

This schedule demonstrates that financial growth rates eventually stabilize close to the underlying assumed rate of wage inflation (4.5\% for MERS).

TABLE 34
Alternative 2 Projection MERS Projected Funded Ratios 2007-2056 (\$ IN Millions)

| Year Ending <br> December 31, | Valuation <br> Assets | Accrued <br> Liabilities | Funded <br> Ratio | Year Ending <br> December 31, | Valuation <br> Assets | Accrued <br> Liabilities | Funded <br> Ratio |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | $\$ 5,811$ | $\$ 7,567$ | $76.8 \%$ | 2032 | $\$ 12,290$ | $\$ 19,340$ | $63.6 \%$ |
| 2008 | 6,163 | 7,969 | $77.3 \%$ | 2033 | 12,547 | 19,983 | $62.8 \%$ |
| 2009 | 6,515 | 8,382 | $77.7 \%$ | 2034 | 12,825 | 20,661 | $62.1 \%$ |
| 2010 | 6,863 | 8,803 | $78.0 \%$ | 2035 | 13,126 | 21,377 | $61.4 \%$ |
| 2011 | 7,213 | 9,232 | $78.1 \%$ | 2036 | 13,453 | 22,136 | $60.8 \%$ |
| 2012 | 7,557 | 9,665 | $78.2 \%$ | 2037 | 13,807 | 22,940 | $60.2 \%$ |
| 2013 | 7,890 | 10,102 | $78.1 \%$ | 2038 | 14,190 | 23,790 | $59.6 \%$ |
| 2014 | 8,212 | 10,542 | $77.9 \%$ | 2039 | 14,605 | 24,692 | $59.1 \%$ |
| 2015 | 8,531 | 10,983 | $77.7 \%$ | 2040 | 15,052 | 25,646 | $58.7 \%$ |
| 2016 | 8,823 | 11,426 | $77.2 \%$ | 2041 | 15,532 | 26,657 | $58.3 \%$ |
| 2017 | 9,101 | 11,870 | $76.7 \%$ | 2042 | 16,049 | 27,726 | $57.9 \%$ |
| 2018 | 9,364 | 12,316 | $76.0 \%$ | 2043 | 16,602 | 28,856 | $57.5 \%$ |
| 2019 | 9,613 | 12,764 | $75.3 \%$ | 2044 | 17,192 | 30,049 | $57.2 \%$ |
| 2020 | 9,855 | 13,216 | $74.6 \%$ | 2045 | 17,821 | 31,309 | $56.9 \%$ |
| 2021 | 10,079 | 13,670 | $73.7 \%$ | 2046 | 18,489 | 32,636 | $56.7 \%$ |
| 2022 | 10,285 | 14,129 | $72.8 \%$ | 2047 | 19,197 | 34,033 | $56.4 \%$ |
| 2023 | 10,485 | 14,593 | $71.9 \%$ | 2048 | 19,945 | 35,502 | $56.2 \%$ |
| 2024 | 10,671 | 15,063 | $70.8 \%$ | 2049 | 20,735 | 37,046 | $56.0 \%$ |
| 2025 | 10,855 | 15,542 | $69.8 \%$ | 2050 | 21,567 | 38,667 | $55.8 \%$ |
| 2026 | 11,039 | 16,031 | $68.9 \%$ | 2051 | 22,442 | 40,367 | $55.6 \%$ |
| 2027 | 11,225 | 16,532 | $67.9 \%$ | 2052 | 23,361 | 42,150 | $55.4 \%$ |
| 2028 | 11,417 | 17,050 | $67.0 \%$ | 2053 | 24,325 | 44,019 | $55.3 \%$ |
| 2029 | 11,617 | 17,586 | $66.1 \%$ | 2054 | 25,337 | 45,976 | $55.1 \%$ |
| 2030 | 11,828 | 18,145 | $65.2 \%$ | 2055 | 26,397 | 48,025 | $55.0 \%$ |
| 2031 | 12,051 | 18,728 | $64.3 \%$ | 2056 | 27,507 | 50,170 | $54.8 \%$ |

Table 35
Comparison of Base and Alternative Projections Projected Pattern of Contribution Income and Benefit Payout (Percents of Payroll)

|  |  | Base <br> Year | Benefits | Alternative 1 <br> Contributions <br> Contributions | Alternative 2 <br> Contributions |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | $21.59 \%$ | $16.33 \%$ | $16.33 \%$ | $16.33 \%$ | Total <br> Normal Cost* |
| 2008 | $22.27 \%$ | $16.68 \%$ | $16.68 \%$ | $16.68 \%$ | $10.75 \%$ |
| 2009 | $23.09 \%$ | $16.82 \%$ | $16.82 \%$ | $16.84 \%$ | $10.69 \%$ |
| 2010 | $24.00 \%$ | $16.93 \%$ | $16.95 \%$ | $17.00 \%$ | $10.67 \%$ |
| 2011 | $24.95 \%$ | $17.11 \%$ | $17.16 \%$ | $17.28 \%$ | $10.65 \%$ |
| 2012 | $25.96 \%$ | $17.28 \%$ | $17.41 \%$ | $17.63 \%$ | $10.64 \%$ |
| 2013 | $26.97 \%$ | $17.37 \%$ | $17.60 \%$ | $17.92 \%$ | $10.62 \%$ |
| 2014 | $27.95 \%$ | $17.46 \%$ | $17.83 \%$ | $18.30 \%$ | $10.60 \%$ |
| 2015 | $28.88 \%$ | $17.65 \%$ | $18.20 \%$ | $18.85 \%$ | $10.59 \%$ |
| 2016 | $29.75 \%$ | $17.73 \%$ | $18.51 \%$ | $19.37 \%$ | $10.57 \%$ |
| 2017 | $30.52 \%$ | $17.45 \%$ | $18.43 \%$ | $19.55 \%$ | $10.56 \%$ |
| 2018 | $31.18 \%$ | $17.03 \%$ | $18.25 \%$ | $19.63 \%$ | $10.54 \%$ |
| 2019 | $31.72 \%$ | $16.64 \%$ | $18.15 \%$ | $19.78 \%$ | $10.53 \%$ |
| 2020 | $32.17 \%$ | $16.19 \%$ | $17.97 \%$ | $19.84 \%$ | $10.51 \%$ |
| 2021 | $32.56 \%$ | $15.72 \%$ | $17.75 \%$ | $19.84 \%$ | $10.50 \%$ |
| 2022 | $32.84 \%$ | $15.32 \%$ | $17.59 \%$ | $19.88 \%$ | $10.50 \%$ |
| 2023 | $33.03 \%$ | $14.98 \%$ | $17.47 \%$ | $19.95 \%$ | $10.49 \%$ |
| 2024 | $33.12 \%$ | $14.67 \%$ | $17.40 \%$ | $20.06 \%$ | $10.48 \%$ |
| 2025 | $33.11 \%$ | $14.41 \%$ | $17.36 \%$ | $20.20 \%$ | $10.47 \%$ |
| 2026 | $33.02 \%$ | $14.18 \%$ | $17.33 \%$ | $20.33 \%$ | $10.47 \%$ |
| 2027 | $32.85 \%$ | $13.97 \%$ | $17.30 \%$ | $20.45 \%$ | $10.46 \%$ |
| 2028 | $32.57 \%$ | $13.79 \%$ | $17.28 \%$ | $20.56 \%$ | $10.46 \%$ |
| 2029 | $32.22 \%$ | $13.62 \%$ | $17.27 \%$ | $20.65 \%$ | $10.45 \%$ |
| 2030 | $31.82 \%$ | $13.47 \%$ | $17.25 \%$ | $20.72 \%$ | $10.45 \%$ |
| 2031 | $31.37 \%$ | $13.33 \%$ | $17.24 \%$ | $20.79 \%$ | $10.45 \%$ |
| 2032 | $30.89 \%$ | $13.20 \%$ | $17.22 \%$ | $20.84 \%$ | $10.44 \%$ |
| 2033 | $30.39 \%$ | $13.08 \%$ | $17.20 \%$ | $20.87 \%$ | $10.44 \%$ |
| 2034 | $29.87 \%$ | $12.97 \%$ | $17.18 \%$ | $20.90 \%$ | $10.44 \%$ |
| 2035 | $29.33 \%$ | $12.86 \%$ | $17.16 \%$ | $20.93 \%$ | $10.43 \%$ |
| 2036 | $28.80 \%$ | $12.76 \%$ | $17.14 \%$ | $20.94 \%$ | $10.43 \%$ |
| 2037 | $28.30 \%$ | $12.67 \%$ | $17.12 \%$ | $20.95 \%$ | $10.43 \%$ |
| 2038 | $27.81 \%$ | $12.58 \%$ | $17.11 \%$ | $20.96 \%$ | $10.42 \%$ |
| 2039 | $27.35 \%$ | $12.49 \%$ | $17.09 \%$ | $20.97 \%$ | $10.42 \%$ |
| 2040 | $26.92 \%$ | $12.41 \%$ | $17.08 \%$ | $20.97 \%$ | $10.42 \%$ |
| 2041 | $26.51 \%$ | $12.33 \%$ | $17.06 \%$ | $20.97 \%$ | $10.41 \%$ |
| 2042 | $26.14 \%$ | $12.26 \%$ | $17.05 \%$ | $20.98 \%$ | $10.41 \%$ |
| 2043 | $25.80 \%$ | $12.19 \%$ | $17.04 \%$ | $20.98 \%$ | $10.41 \%$ |
| 2044 | $25.49 \%$ | $12.12 \%$ | $17.03 \%$ | $20.98 \%$ | $10.41 \%$ |
| 2045 | $25.22 \%$ | $12.05 \%$ | $17.02 \%$ | $20.98 \%$ | $10.41 \%$ |
| 2046 | $24.99 \%$ | $11.99 \%$ | $17.01 \%$ | $20.99 \%$ | $10.41 \%$ |
| 2047 | $24.79 \%$ | $11.93 \%$ | $17.01 \%$ | $21.00 \%$ | $10.40 \%$ |
| 2048 | $24.61 \%$ | $11.87 \%$ | $17.01 \%$ | $21.00 \%$ | $10.40 \%$ |
| 2049 | $24.47 \%$ | $11.81 \%$ | $17.00 \%$ | $21.01 \%$ | $10.40 \%$ |
| 2050 | $24.34 \%$ | $11.75 \%$ | $17.00 \%$ | $21.02 \%$ | $10.40 \%$ |
| 2051 | $24.24 \%$ | $11.70 \%$ | $17.00 \%$ | $21.03 \%$ | $10.40 \%$ |
| 2052 | $24.15 \%$ | $11.64 \%$ | $17.01 \%$ | $21.05 \%$ | $10.40 \%$ |
| 2053 | $24.08 \%$ | $11.59 \%$ | $17.01 \%$ | $21.06 \%$ | $10.40 \%$ |
| 2054 | $24.02 \%$ | $11.54 \%$ | $17.01 \%$ | $21.08 \%$ | $10.40 \%$ |
| 2055 | $23.97 \%$ | $11.49 \%$ | $17.02 \%$ | $21.09 \%$ | $10.40 \%$ |
| 2056 | $23.93 \%$ | $11.44 \%$ | $17.03 \%$ | $21.11 \%$ | $10.40 \%$ |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

* Total normal cost equals the employer normal cost plus member contributions. As the plan approaches $100 \%$ funding under the Base Projection, the total contributions approach the total normal cost.


## Chart 19 <br> COMPARISON OF BASE AND Alternative Projections Projected Pattern of Contribution Income and Benefit Payout



Total normal cost equals the employer normal cost plus member contributions. As the plan approaches $100 \%$ funding under the Base Projection, the total contributions approach the total normal cost.

## TABLE 36 <br> Comparison of Base and Alternative Projections MERS Funded Ratios

| Year | Base <br> Projection | Alternative 1 <br> Projection | Alternative 2 <br> Projection | Year | Base <br> Projection | Alternative 1 <br> Projection | Alternative 2 <br> Projection |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | $76.9 \%$ | $76.9 \%$ | $76.8 \%$ | 2032 | $90.4 \%$ | $76.2 \%$ | $63.6 \%$ |
| 2008 | $77.6 \%$ | $77.6 \%$ | $77.3 \%$ | 2033 | $90.7 \%$ | $75.8 \%$ | $62.8 \%$ |
| 2009 | $78.4 \%$ | $78.2 \%$ | $77.7 \%$ | 2034 | $90.9 \%$ | $75.4 \%$ | $62.1 \%$ |
| 2010 | $79.1 \%$ | $78.7 \%$ | $78.0 \%$ | 2035 | $91.1 \%$ | $75.1 \%$ | $61.4 \%$ |
| 2011 | $79.9 \%$ | $79.2 \%$ | $78.1 \%$ | 2036 | $91.4 \%$ | $74.8 \%$ | $60.8 \%$ |
| 2012 | $80.7 \%$ | $79.6 \%$ | $78.2 \%$ | 2037 | $91.6 \%$ | $74.5 \%$ | $60.2 \%$ |
| 2013 | $81.5 \%$ | $79.9 \%$ | $78.1 \%$ | 2038 | $91.8 \%$ | $74.3 \%$ | $59.6 \%$ |
| 2014 | $82.2 \%$ | $80.2 \%$ | $77.9 \%$ | 2039 | $92.0 \%$ | $74.0 \%$ | $59.1 \%$ |
| 2015 | $83.0 \%$ | $80.6 \%$ | $77.7 \%$ | 2040 | $92.3 \%$ | $73.8 \%$ | $58.7 \%$ |
| 2016 | $83.9 \%$ | $80.7 \%$ | $77.2 \%$ | 2041 | $92.5 \%$ | $73.6 \%$ | $58.3 \%$ |
| 2017 | $84.6 \%$ | $80.8 \%$ | $76.7 \%$ | 2042 | $92.7 \%$ | $73.4 \%$ | $57.9 \%$ |
| 2018 | $85.4 \%$ | $80.9 \%$ | $76.0 \%$ | 2043 | $93.0 \%$ | $73.2 \%$ | $57.5 \%$ |
| 2019 | $86.0 \%$ | $80.8 \%$ | $75.3 \%$ | 2044 | $93.2 \%$ | $73.1 \%$ | $57.2 \%$ |
| 2020 | $86.6 \%$ | $80.6 \%$ | $74.6 \%$ | 2045 | $93.4 \%$ | $72.9 \%$ | $56.9 \%$ |
| 2021 | $87.1 \%$ | $80.4 \%$ | $73.7 \%$ | 2046 | $93.7 \%$ | $72.8 \%$ | $56.7 \%$ |
| 2022 | $87.5 \%$ | $80.1 \%$ | $72.8 \%$ | 2047 | $93.9 \%$ | $72.7 \%$ | $56.4 \%$ |
| 2023 | $87.9 \%$ | $79.7 \%$ | $71.9 \%$ | 2048 | $94.1 \%$ | $72.6 \%$ | $56.2 \%$ |
| 2024 | $88.3 \%$ | $79.4 \%$ | $70.8 \%$ | 2049 | $94.3 \%$ | $72.5 \%$ | $56.0 \%$ |
| 2025 | $88.6 \%$ | $79.0 \%$ | $69.8 \%$ | 2050 | $94.5 \%$ | $72.4 \%$ | $55.8 \%$ |
| 2026 | $88.9 \%$ | $78.6 \%$ | $68.9 \%$ | 2051 | $94.7 \%$ | $72.3 \%$ | $55.6 \%$ |
| 2027 | $89.2 \%$ | $78.2 \%$ | $67.9 \%$ | 2052 | $94.9 \%$ | $72.2 \%$ | $55.4 \%$ |
| 2028 | $89.5 \%$ | $77.7 \%$ | $67.0 \%$ | 2053 | $95.1 \%$ | $72.1 \%$ | $55.3 \%$ |
| 2029 | $89.7 \%$ | $77.3 \%$ | $66.1 \%$ | 2054 | $95.3 \%$ | $72.1 \%$ | $55.1 \%$ |
| 2030 | $90.0 \%$ | $76.9 \%$ | $65.2 \%$ | 2055 | $95.5 \%$ | $72.0 \%$ | $55.0 \%$ |
| 2031 | $90.2 \%$ | $76.5 \%$ | $64.3 \%$ | 2056 | $95.7 \%$ | $71.9 \%$ | $54.8 \%$ |
|  |  |  |  |  |  |  |  |

## Chart 20

## Comparison of Base and Alternative Projections

 MERS Funded Ratios

## SUMMARY OF Projection Methods and Assumptions

For Present Retirees, Beneficiaries and Vested Former Members: People are assumed to live and die in accordance with the valuation assumptions described in Section VIII of this report.

For Present Active Employees: The projection deals with certain specific events in a member's lifetime: retirement, quitting, dying, becoming disabled and receiving pay increases. For each future year and each event, the probability that the event occurs is determined and the financial effect (adjusted for the probability of occurrence of the event) is included in the projection. The assumptions used are described in Section VIII of this report.

For Future Active Employees: Future active employees are assumed to have characteristics (age, sex, pay rate) that are similar to the characteristics of current employees at the time they were hired. Specifics are shown on page 34 .

The number of active members per division is assumed to continue at the present number, except that closed divisions are projected to have no new entrants.

Closed divisions with no active members that were overfunded at the beginning of the projection eventually cause the entire retirement system to appear overfunded. It is highly likely that some type of refunds will ultimately take place for these divisions. For purposes of the projections, it was assumed that $\$ 28$ million was refunded to these divisions at the beginning of the projection (January 1, 2007). The exact timing of the refunds does not materially affect the projection results. This explains why the beginning valuation assets total $\$ 5,466$ million, instead of $\$ 5,494$ million which is reported elsewhere in this report.

The investment return rate used in making the valuations each year was 8\% per year, compounded annually (net after administrative expenses). The long term investment return rate used in the asset projections was 8\% per year (based on actuarial value) in the Base Projection, 7\% per year (based on market value) in the Alternative 1 Projection, and 6\% per year (based on market value) in the Alternative 2 Projection. The long term real rate of return is the portion of total investment return which is more than the inflation rate. Considering wage inflation recognition of $4.5 \%$, the $8 \%$ investment return rate translates to an assumed long term real rate of return of $3.5 \%$, the $7 \%$ investment return rate translates to an assumed long term real rate of return of $2.5 \%$, and the $6 \%$ investment return rate translates to an assumed long term real rate of return of $1.5 \%$.

Two alternative sets of short term rates of investment return were studied, in order to gauge the impact of short term variations in return. The rates of return are shown below:

|  | Rate of Return on Valuation Assets |  |  |
| :---: | :---: | :---: | :---: |
| Year | Base <br> Projection | Alternative 1 <br> Projection | Alternative 2 <br> Projection |
| 2007 | $8.0 \%$ | $8.0 \%$ | $7.9 \%$ |
| 2008 | 8.0 | 7.9 | 7.7 |
| 2009 | 8.0 | 7.8 | 7.5 |
| 2010 | 8.0 | 7.7 | 7.3 |
| 2011 | 8.0 | 7.6 | 7.2 |
| 2012 | 8.0 | 7.5 | 7.0 |
| 2013 | 8.0 | 7.4 | 6.8 |
| 2014 | 8.0 | 7.3 | 6.6 |
| 2015 | 8.0 | 7.4 | 6.5 |
| 2016 | 8.0 | 7.1 | 6.1 |
| 2017 | 8.0 | 7.0 | 6.0 |
| 2018 | 8.0 | 7.0 | 5.9 |
| 2019 | 8.0 | 6.9 | 5.8 |
| 2020 | 8.0 | 6.9 | 5.8 |
| 2021 | 8.0 | 6.9 | 5.7 |
| 2022 | 8.0 | 6.8 | 5.6 |
| 2023 | 8.0 | 6.8 | 5.5 |
| 2024 and later | 8.0 | 6.8 | 5.5 |

These are the projected rates of return based on the smoothed valuation assets, not the market value of assets. Remember that as of December 31, 2006 the valuation assets were equal to $98.62 \%$ of the market value of assets.

The base projection assumes that the market value "drops down" to the valuation assets in 2007 and later years, resulting in a constant $8 \%$ return on valuation assets in all years. This requires a market value return slightly below $8 \%$ during 2007, followed by $8 \%$ market returns in later years.

The Alternative 1 projection assumes that market value return will be 7\% annually in 2007 and later years. The Alternative 2 projection assumes that market value return will be $6 \%$ annually in 2007 and later years. In both cases, the asset smoothing method results in a long range rate of return, based on valuation assets, that is lower than the assumed market value return. This happens because there are always built up losses compared to the $8 \%$ valuation assumption.

## VII. Summary of Plan Provisions

The benefits summarized in this section are intended only as general information regarding the Municipal Employees’ Retirement System of Michigan. They are not a substitute for Act. No. 220 of the Public Acts of 1996, and the MERS Plan Document as revised. If any conflict occurs between the information in this summary and Act. No. 220 of the Public Acts of 1996 or the MERS Plan Document, as revised, the provisions of Act. No. 220 and the MERS Plan Document govern.

## Eligibility for Retirement (Plan Section 10)

Age 60 with 10 or more years of credited service (reduced to 8 or 6 years if either Benefit V-8 or V-6, respectively, is adopted).
Age 55 with 15 or more years of credited service (reduced benefit unless Benefit F55 is adopted). Age 50 with 25 or more years of credited service (reduced benefit unless Benefit F50 is adopted).

The retirement allowance is reduced $1 / 2$ of $1 \%$ for each complete month that the retirement date precedes the age at which full normal retirement benefits are available. The reduction may be partially or fully waived by adopting Benefit F55 and/or Benefit F50 and/or Benefit F(N).

## Optional Retirement Programs (Unreduced Benefits) (Plan Section 10)

Benefit F50 - Age 50 with a required period of credited service of either 25 or 30 years.
Benefit F55 - Age 55 with a required period of credited service of $15,20,25$ or 30 years.
Benefit $\mathrm{F}(\mathrm{N})$ - Any age with a required period of credited service of either 20, 21, 22, 23, $24,25,26,27,28,29$ or 30 years.

## Mandatory Retirement

None.

## Deferred Retirement (Plan Section 12)

Termination of membership before age 60 other than by retirement or death, after 10 years of credited service ( 8 or 6 years if Benefit V-8 or V-6 is adopted). Retirement allowance begins upon application and satisfaction of the eligibility requirements for retirement. The deferred retirement allowance is computed in the same manner as a service retirement allowance, based on the benefit program in effect as of the date of termination of membership.

Rights to an allowance are forfeited if the member's accumulated contributions are refunded after termination of employment.

## Service Retirement Allowance (Plan Sections 13-19)

Credited service at time of termination of membership is multiplied by:
Benefit A - $1.0 \%$ of a member's final average compensation (FAC). Benefit A may not be adopted after January 2, 1986.

Benefit B - Contact MERS office for details. Benefit B may not be adopted after January 2, 1986.

Benefit C New - $1.3 \%$ of FAC.
Benefit C Old - Sum of $1.0 \%$ times the first $\$ 4,200$ of FAC, plus $1.5 \%$ times the portion of FAC over $\$ 4,200$. Benefit C Old may not be adopted after January 2, 1986.

Benefit C-1 New - $1.5 \%$ of FAC.
Benefit C-1 Old - Sum of $1.2 \%$ times the first $\$ 4,200$ of FAC, plus $1.7 \%$ times the portion of FAC over $\$ 4,200$. Benefit C-1 Old may not be adopted after January 2, 1986.

Benefit B-1 $-1.7 \%$ of FAC.
Benefit C-2 $-2.0 \%$ of FAC, payable until attainment of the age at which unreduced Social Security benefits are available (currently age 65 for normal retirement, gradually increasing to age 67). Upon attainment of this age, the benefit reverts to the basic Benefit A, C New, C Old, C-1 New, C-1 Old or B-1.

Benefit B-2 - $2.0 \%$ of FAC.
Benefit B-3 $-2.25 \%$ of FAC, with a maximum benefit of $80 \%$ of FAC.
Benefit B-4 - $2.5 \%$ of FAC, with a maximum benefit of $80 \%$ of FAC.

## Maximum Benefit Payable by MERS (Plan Section 55)

The maximum benefit that may be paid by MERS is governed by Section 415 of the Internal Revenue Code (see page 80). Benefits in excess of the maximum benefit will be paid by the MERS Excess Benefit Plan under Plan Section 55A.

## Act 88 (Reciprocal Retirement Act, 1961 P.A. 88)

If the municipality has elected to come under the provision of Act 88 , service with former and future public employers in Michigan may be used to satisfy the service eligibility conditions of MERS.

## Final Average Compensation (Plan Sections 2A(6) and 2A(11))

MERS plan benefits are based on a member's final average compensation (FAC), subject to the dollar compensation limits under Section 401(a)(17) of the Internal Revenue Code (see page 80). For this purpose, final average compensation means one-fifth of the aggregate amount of compensation (as defined in the MERS Plan Document, Section 2A(6)) paid to a member during the period of 5 consecutive years of the member's credited service in which the aggregate compensation paid is highest, known as FAC-5. Adoption of Benefit FAC-3 results in final average compensation being averaged over 3 years, instead of 5 years.

## Disability Retirement Allowance (Plan Section 24)

Total and permanent disability while employed by a participating municipality and after meeting the vesting requirement of the benefit program. The service requirement is waived if the disability is the natural and proximate result of duty-connected causes.

The allowance is computed in the same manner as a service retirement allowance, except that the reduction for retirement before age 60 is not applied.

If disability is due to duty-connected causes, the amount of the retirement allowance shall not be less than $25 \%$ of the member's final average compensation.

Adoption of optional Benefit Program D-2 will provide a retirement allowance for a duty-connected disability that is the greater of:
(i) $25 \%$ of the member's final average compensation; or
(ii) A benefit based on 10 years of credited service in addition to the member's actual period of service, provided the total years of service do not exceed the greater of 30 years or the member's actual period of service.

## Non-Duty Death Allowance (Plan Sections 26 and 28)

If a member or vested former member with the minimum years of service required to be vested dies before retirement, a monthly survivor allowance may be payable.

If the member is married, the spouse is the automatic beneficiary unless the spouse, in writing, declines a benefit in favor of another named beneficiary.

A contingent survivor beneficiary (named in an Option II Contingent Beneficiary Designation form filed with MERS) will receive a retirement allowance computed in the same manner as a service retirement allowance, based on service and final average compensation at death, but reduced to reflect an Option II ( $100 \%$ joint and survivor) election. The reduction for retirement before age 60 is not applied. Payment of a retirement allowance to the contingent survivor beneficiary of a deceased member commences immediately. Payment of a retirement allowance to the contingent survivor beneficiary of a deceased vested former member commences on the date the member would have first satisfied eligibility for retirement with an unreduced service retirement allowance.

If there is no named beneficiary and the member leaves a spouse, the spouse will receive a survivor allowance. Payment of a retirement allowance to the surviving spouse of a deceased member commences immediately. Payment of a retirement allowance to the surviving spouse of a deceased vested former member commences on the date the member would have first satisfied eligibility for retirement for an unreduced service retirement allowance. The amount of a surviving spouse's retirement allowance shall be $85 \%$ of the deceased member's or deceased vested former member's accrued retirement allowance computed in the same manner as a service retirement allowance, based on service and final average compensation at time of death.

The amount of a surviving spouse's benefit is always the larger of i) the benefit computed as a contingent survivor beneficiary, and ii) the $85 \%$ of accrued retirement allowance benefit described above.

If there is no named beneficiary and no retirement allowance being paid to a surviving spouse, unmarried children under age 21 will be paid an equal share of $50 \%$ of the deceased member's or deceased vested former member's accrued retirement allowance. The reduction for retirement before age 60 is not applied.

If no retirement allowance becomes payable at death, the member's accumulated contributions, if any, are paid to the beneficiary or to the decedent's estate.

## Duty-Connected Death Allowance (Plan Section 27)

A duty death allowance, computed in the same manner as a non-duty death allowance, may be payable to a spouse or children if death occurs as the natural and proximate result of performance of duty with a participating municipality. The vesting requirement is waived, and the minimum benefit is $25 \%$ of the deceased member's final average compensation.

Adoption of optional Benefit Program D-2 will provide a retirement allowance for a duty-connected death that is the greater of:
(i) $25 \%$ of the member's final average compensation; or
(ii) A benefit based on 10 years of credited service in addition to the member's actual period of service, provided the total years of service do not exceed the greater of 30 years or the member's actual period of service.

## Member Contributions (Plan Sections 32 and 35)

Each member contributes a percent of annual compensation, as selected by the municipality, on the member's annual compensation up to the compensation limit under Section 401(a)(17) of the Internal Revenue Code (see page 80). Any percentage from $0 \%$ to $10 \%$ (in $0.1 \%$ increments) may be selected. A $3 \% / 5 \%$ contribution program was available prior to 1985 and may be continued (until any new benefit programs are adopted), but not adopted, after 1984. Under this program the member contributes $3 \%$ of the first $\$ 4,200$ of annual compensation and $5 \%$ of portions of annual compensation over $\$ 4,200$. Interest is credited to accumulated member contributions each December 31 (and reflected in the Annual Member Statement provided to each member) at a rate determined by MERS, currently the one-year U.S. Treasury Bill rate determined as of each December 1. The interest rate credited for the 12 -month period ending on the valuation date was $4.32 \%$.

If a member leaves the employ of the municipality, or dies, without a retirement allowance or other benefit payable on his/her account, the member's accumulated contributions plus interest (as described above) are refunded with spousal consent, to the member, if living, or to the member's surviving spouse, if any, or to a named beneficiary (after spousal consent, if applicable).

Note for MERS' Defined Contribution Program (Plan Section 19A): The Annual Actuarial Valuation addresses assets and liabilities for participation under MERS' Defined Benefit Programs. MERS' Defined Contribution Program (Benefit Program DC), which first became available for adoption in late 1997 , is not addressed in the valuation results as it is not a defined benefit program.

## Post-Retirement Adjustments (Plan Sections 20-22)

Benefit E - provides a one-time benefit increase to present retirants and beneficiaries. The amount of the increase is equal to a fixed percentage of the present benefit, or a fixed dollar amount times the number of years since the later of retirement or the date specified in the resolution. Benefit E may be readopted from time to time.

Benefit E-1 - provides automatic $2.5 \%$ annual non-compounded benefit increases to persons (and their beneficiaries) retired before the effective date of Benefit E-1. Such increases are further limited to increases in the Consumer Price Index (CPI) if Benefit E-1 was adopted before January 1, 1999. For all adoptions or readoptions after that date, the increase is an automatic $2.5 \%$ non-compounded increase without any CPI limitation.

Benefit E-2 - provides automatic $2.5 \%$ annual non-compounded benefit increases to persons (and their beneficiaries) retired on or after the effective date of Benefit E-2. Such increases are further limited to increases in the Consumer Price Index (CPI) if Benefit E-2 was adopted before January 1, 1999. For all adoptions or readoptions after that date, the increase is an automatic $2.5 \%$ non-compounded increase without any CPI limitation.

## Death-After-Retirement Surviving Spouse Benefit (Plan Sections 23 and 23A)

A retiring member electing form of payment SL (straight life retirement allowance) is normally paid a lifetime retirement allowance, with payments terminating at death. The retiring member could provide benefits to a surviving spouse or another named beneficiary (see below) by electing Option II ( $100 \%$ continuation to beneficiary) or Option II-A ( $75 \%$ continuation to beneficiary) or Option III ( $50 \%$ continuation to beneficiary). A surviving spouse is automatically the beneficiary to an Option II, IIA or III allowance unless the spouse, in writing, relinquishes the benefit to the member electing a straight life allowance or to another named beneficiary. Electing these alternate forms of payment would lower the retiring member's retirement allowance.

If Benefit Program RS50\% is adopted, a member retiring on or after the effective date of Benefit RS50\% may elect form of payment SL and still provide a $50 \%$ survivor benefit to the member's spouse. To be eligible for a surviving spouse benefit, the retiring member and spouse must have been married to each other both at the time of death and during the full one-year period just before retirement.

## Municipal Employees' Retirement System of Michigan <br> IRC Section 415(b)(1)(A) Benefit Dollar Limits - 2007

The limits are based on the retiree's age at retirement. The limit at ages 62-65 is indexed with inflation, in $\$ 5,000$ increments. The limits at earlier ages are then increased proportionately. The limit applies to the retiree's or beneficiary's employer-financed straight life benefit, except in the case of an Option II, IIA, or III election with the retiree's spouse as named beneficiary, in which case the limit applies to the employer-financed portion of the reduced joint and survivor benefit.

| Age at Retirement | General Employees |  <br> Emergency Medical\# |
| :---: | :---: | :---: |
| 35 | \$ 31,863 | \$ 180,000 |
| 36 | 33,689 | 180,000 |
| 37 | 35,633 | 180,000 |
| 38 | 37,704 | 180,000 |
| 39 | 39,910 | 180,000 |
| 40 | 42,265 | 180,000 |
| 41 | 44,778 | 180,000 |
| 42 | 47,464 | 180,000 |
| 43 | 50,336 | 180,000 |
| 44 | 53,412 | 180,000 |
| 45 | 56,708 | 180,000 |
| 46 | 60,244 | 180,000 |
| 47 | 64,043 | 180,000 |
| 48 | 68,129 | 180,000 |
| 49 | 72,530 | 180,000 |
| 50 | 77,276 | 180,000 |
| 51 | 82,402 | 180,000 |
| 52 | 87,947 | 180,000 |
| 53 | 93,955 | 180,000 |
| 54 | 100,477 | 180,000 |
| 55 | 107,569 | 180,000 |
| 56 | 115,297 | 180,000 |
| 57 | 123,734 | 180,000 |
| 58 | 132,964 | 180,000 |
| 59 | 143,085 | 180,000 |
| 60 | 154,209 | 180,000 |
| 61 | 166,464 | 180,000 |
| 62 | 180,000 | 180,000 |
| 63 | 180,000 | 180,000 |
| 64 | 180,000 | 180,000 |
| 65 \& older | 180,000 | 180,000 |
| If individual medical ser | at least 15 years of police Otherwise, same as genera | fire, and/or emergency al employees. |

IRC Section 401(a)(17) Compensation Limit - 2007
For 2007 the IRC Section 401(a)(17) limit is $\$ 225,000$. This limit is indexed with inflation in $\$ 5,000$ increments.

## VIII. Actuarial Assumptions and Funding Method

An actuarial valuation is the mathematical process that estimates plan liabilities and employer contribution requirements for purposes of financing the retirement system. This process is repeated annually to update the liabilities and contribution requirements for changes in member census and plan features, and to reflect actual plan experience in the process. The valuation reflects the present provisions of the Municipal Employees' Retirement Act of 1984, as amended by 1996 Public Act 220, as embodied in the MERS Plan Document (as revised). The specific benefit provisions in effect for each municipality are listed in Table 1 in the results section of the municipality's individual valuation report.

In addition to utilizing current membership and financial data, an actuarial valuation requires the use of a series of assumptions regarding uncertain future events. The assumptions and methods used in the December 31, 2006 actuarial valuation are those adopted by the Retirement Board. The actuarial assumptions were last revised as of December 31, 2004 to reflect the results of the study of plan experience covering the period from December 31, 1998 through December 31, 2003.

There have been no changes in the funding method which was adopted by the Retirement Board commencing with the December 31, 1993 valuations. The basic funding method is entry age normal and employer contribution amounts are developed as a level percentage of payroll.

The actuarial valuation computations were made by or under the supervision of a Member of the American Academy of Actuaries (MAAA). Gabriel, Roeder, Smith \& Company is an independent firm of consultants and actuaries.

## Actuarial Assumptions

To calculate MERS contribution requirements, assumptions are made about future events that could affect the amount and timing of benefits to be paid and the assets to be accumulated. The economic and demographic assumptions include:

- An assumed rate of investment return that is used to discount liabilities and project what plan assets will earn.
- A mortality table projecting the number of members who will die before retirement and the duration of benefit payments after retirement.
- Assumed retirement rates projecting when members will retire and commence receiving retirement benefits.
- A set of withdrawal and disability rates to estimate the number of members who will leave the work force before retirement.
- Assumed rates of pay increase to project member compensation in future years.

The actuarial assumptions used in connection with the December 31, 2006 actuarial valuations are unchanged from the December 31, 2005 valuation assumptions. The actuarial assumptions currently utilized are summarized below and on the following pages.

## Interest Rate

Funding plan benefits involves the accumulation of assets to pay benefits in the future. These assets are invested and the net rate of investment earnings is a significant factor in determining the contributions required to support the ultimate cost of benefits. For the 2006 actuarial valuation, the net long-term investment yield is assumed to be $8 \%$. This assumption was first used for the December 31, 1981 actuarial valuation.

## Pay Increases

Because benefits are based on a member's final average compensation, it is necessary to make an assumption with respect to each member's estimated pay progression. The pay increase assumption used in the actuarial valuation projects annual pay increases of $4.5 \%$ plus a percentage based on an age-related scale to reflect merit, longevity and promotional pay increases.

The pay increase assumption for selected ages is shown below. The $4.5 \%$ wage inflation assumption was first used for the December 31, 1997 actuarial valuation. The merit and longevity pay increase assumption was first used for the December 31, 2004 actuarial valuation.

| Age | Base <br> (Wage Inflation) | Merit and <br> Longevity | Total Percentage <br> Increase in Pay |
| :---: | :---: | :---: | :---: |
| 20 | $4.50 \%$ | $8.40 \%$ | $12.90 \%$ |
| 25 | 4.50 | 5.33 | 9.83 |
| 30 | 4.50 | 3.26 | 7.76 |
| 35 | 4.50 | 2.05 | 6.55 |
| 40 | 4.50 | 1.30 | 5.80 |
| 45 | 4.50 | 0.81 | 5.31 |
| 50 | 4.50 | 0.52 | 5.02 |
| 55 | 4.50 | 0.30 | 4.80 |
| 60 | 4.50 | 0.00 | 4.50 |

## Inflation

Although no specific price inflation assumption is needed for this valuation, the $4.5 \%$ wage inflation assumption would be consistent with a price inflation of $3 \%$ to $4 \%$.

## Payroll Growth

For divisions that are not closed to new hires, the number of active members is projected to remain constant, and the total payroll is projected to increase $4.5 \%$ annually in the long term. This assumption was first used for the December 31, 1997 actuarial valuation.

## Withdrawal Rates

The withdrawal rates are used to estimate the number of employees at each age that are expected to terminate employment before qualifying for retirement benefits. The withdrawal rates do not apply to members eligible to retire, and do not include separation on account of death or disability. The assumed rates of withdrawal applied in the current valuation are based on years of service for members with less than 5 years of service, and based on age for members with 5 or more years of service.

Sample rates of withdrawal from active employment are shown below. These rates were first used for the December 31, 2000 actuarial valuation.

| Sample <br> Ages | Years of <br> Service | \% of Active Members Withdrawing <br> Within the Next Year |
| :---: | :---: | :---: |
|  | 0 | $18.00 \%$ |
|  | 1 | 18.00 |
|  | 2 | 16.00 |
|  | 3 | 12.00 |
|  | 4 | 10.00 |
| 20 | 5 and over | 9.00 |
| 25 |  | 9.00 |
| 30 |  | 9.00 |
| 35 |  | 7.00 |
| 40 |  | 5.00 |
| 45 |  | 4.00 |
| 50 |  | 4.00 |
| 55 |  | 3.00 |
| 60 |  | 3.00 |
| 65 |  | 2.00 |
| 70 |  | 0.00 |

## Retirement Rates

A schedule of retirement rates is used to measure the probability of eligible members retiring during the next year. To reflect the impact plan design may have on retirement experience, separate retirement rates apply to valuation divisions without Benefits F50, F55 or $\mathrm{F}(\mathrm{N})$, to those divisions that have adopted F55, to those that have adopted F50, and to those that have adopted $\mathrm{F}(\mathrm{N})$. The retirement rates in use for each category are shown below and on the next page. The Normal Retirement rates were first used for the December 31, 2000 actuarial valuations. The Early Retirement rates were first used for the December 31, 2004 actuarial valuations.

Normal Retirement - Age Based Benefit Provisions - F(N) Not Adopted

| Retirement Ages | Percent of Eligible Active Members Retiring Within Next Year |  |  |
| :---: | :---: | :---: | :---: |
|  | With F55 | With F50 |  |
|  |  |  | $22 \%$ |
| 51 |  |  | 22 |
| 52 |  |  | 22 |
| 53 |  | $18 \%$ | 22 |
| 54 |  | 15 | 24 |
| 55 |  | 10 | 18 |
| 56 | $20 \%$ | 15 | 14 |
| 57 | 24 | 20 | 16 |
| 58 | 24 | 24 | 18 |
| 59 | 24 | 24 | 18 |
| 60 | 27 | 24 | 20 |
| 61 | 30 | 27 | 24 |
| 62 | 30 | 30 | 24 |
| 63 | 30 | 30 | 24 |
| 64 | 30 | 30 | 27 |
| 65 | 30 | 30 | 30 |
| 66 | 100 | 100 | 30 |
| 67 |  |  | 30 |
| 68 |  |  | 30 |
| 69 |  |  | 30 |
| 70 |  |  | 100 |


|  | Percent of Eligible <br> Active Members <br> Retiring Within <br> Next Year | Age | Percent of Eligible <br> Active Members <br> Retiring Within <br> Next Year | Age | Percent of Eligible <br> Active Members <br> Retiring Within <br> Next Year |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 40 | $22 \%$ | 51 | $22 \%$ | 61 | $24 \%$ |
| 41 | 22 | 52 | 22 | 62 | 24 |
| 42 | 22 | 53 | 22 | 63 | 24 |
| 43 | 22 | 54 | 24 | 64 | 27 |
| 44 | 22 | 55 | 18 | 65 | 30 |
| 45 | 22 | 56 | 14 | 66 | 30 |
| 46 | 22 | 57 | 16 | 67 | 30 |
| 47 | 22 | 58 | 18 | 68 | 30 |
| 48 | 22 | 59 | 18 | 69 | 30 |
| 49 | 22 | 60 | 20 | 70 | 100 |
| 50 | 22 |  |  |  |  |

Municipalities that have adopted a non-standard benefit multiplier after December 31, 1996 that is in excess of the B-4, $2.5 \%$ multiplier, will have a retirement rate equal to $75 \%$ at the first age at which unreduced plan benefits are available.

EARLY Retirement - Reduced Benefit

| Retirement Ages | Percent of Eligible <br> Active Members <br> Retiring Within <br> Next Year |
| :---: | :---: |
| 50 | $2 \%$ |
| 51 | 2 |
| 52 | 3 |
| 53 | 5 |
| 54 | 8 |
| 55 | 4 |
| 56 | 4 |
| 57 | 4 |
| 58 | 6 |
| 59 | 8 |

## Disability Rates

Disability rates are used in the valuation to estimate the incidence of member disability in future years.

The assumed rates of disablement at various ages are shown below. These rates were first used for the December 31, 2004 actuarial valuation.

| Sample Ages | Percent Becoming Disabled <br> Within Next Year |
| :---: | :---: |
| 20 | $0.02 \%$ |
| 25 | 0.02 |
| 30 | 0.02 |
| 35 | 0.06 |
| 40 | 0.06 |
| 45 | 0.11 |
| 50 | 0.24 |
| 55 | 0.41 |
| 60 | 0.41 |
| 65 | 0.41 |

$85 \%$ of the disabilities are assumed to be non-duty and $15 \%$ of the disabilities are assumed to be duty related. For those plans which have adopted disability provision D-2, $70 \%$ of the disabilities are assumed to be non-duty and $30 \%$ are assumed to be duty related.

## Mortality Table

In estimating the amount of the reserves required at the time of retirement to pay a member's benefit for the remainder of his or her lifetime, it is necessary to make an assumption with respect to the probability of surviving to retirement and the life expectancy after retirement.

The mortality table used to project the mortality experience of plan members is a $50 \%$ Male - $50 \%$ Female blend of the 1994 Group Annuity Mortality Table. For disabled retirees, the regular mortality table is used with a 10 -year set forward in ages to reflect the higher expected mortality rates of disabled members. These mortality tables were first used for the December 31, 2004 actuarial valuations.
$90 \%$ of active member deaths are assumed to be non-duty deaths and $10 \%$ of the deaths are assumed to be duty related.

The life expectancies and mortality rates projected for non-disabled members are shown below for selected ages:

| Age | Expected Years <br> of Life Remaining | Mortality Rates |
| :---: | :---: | :---: |
| 20 | 61.55 | $0.04 \%$ |
| 25 | 56.68 | 0.05 |
| 30 | 51.82 | 0.06 |
| 35 | 46.97 | 0.07 |
| 40 | 42.13 | 0.09 |
| 45 | 37.34 | 0.13 |
| 50 | 32.60 | 0.20 |
| 55 | 27.98 | 0.34 |
| 60 | 23.53 | 0.62 |
| 65 | 19.40 | 1.16 |
| 70 | 15.66 | 1.87 |
| 75 | 12.24 | 2.99 |
| 80 | 9.25 | 5.07 |

The life expectancies and mortality rates projected for disabled members are shown below for selected ages:

| Age | Expected Years <br> of Life Remaining | Mortality Rates |
| :---: | :---: | :---: |
| 20 | 51.82 | $0.06 \%$ |
| 25 | 46.97 | 0.07 |
| 30 | 42.13 | 0.09 |
| 35 | 37.34 | 0.13 |
| 40 | 32.60 | 0.20 |
| 45 | 27.98 | 0.34 |
| 50 | 23.53 | 0.62 |
| 55 | 19.40 | 1.16 |
| 60 | 15.66 | 1.87 |
| 65 | 12.24 | 2.99 |
| 70 | 9.25 | 5.07 |
| 75 | 6.81 | 8.25 |
| 80 | 4.85 | 13.46 |

## Miscellaneous and Technical Assumptions

| Loads | - | None |
| :--- | :--- | :--- |
| Marriage Assumptions |  | $70 \%$ of males and $70 \%$ of females are assumed to be married for purposes |
|  |  |  |
|  | of death-in-service benefits. Male spouses are assumed to be three years |  |
| older than female spouses. |  |  |

## Actuarial Funding Method

The Retirement Board has adopted funding methodology for the Retirement System to achieve the following major objectives:

- Develop level required contribution rates as a percentage of payroll;
- Finance benefits earned by present employees on a current basis;
- Accumulate assets to enhance members' benefit security;
- Produce investment earnings on accumulated assets to help meet future benefit costs;
- Make it possible to estimate the long-term actuarial cost of proposed amendments to System provisions; and
- Assist in maintaining the Retirement System's long-term financial viability.

The basic funding objective is a level pattern of cost as a percentage of pay throughout each member's working lifetime. The funding method used in this actuarial valuation - the entry age normal cost method - is intended to meet this objective and result in a relatively level long-term contribution requirement as a percentage of pay. This actuarial method was first used for the December 31, 1993 actuarial valuation.

Under the entry age normal cost method, the total actuarially-determined contribution requirement is equal to the sum of the normal cost plus the payment required to fund the unfunded actuarial accrued liability over a period of years. Funding or amortizing the unfunded actuarial accrued liability includes a payment toward the liability (principal) plus a payment to reflect the time value of money (interest).

## Normal Cost

In general terms, the normal cost is the cost of benefit rights accruing on the basis of current service. Technically, the normal cost rate is the level percentage-of-pay contribution required each year, with respect to each member, to accumulate over his or her projected working lifetime the reserves needed to meet the cost of earned benefits. The normal cost represents the ultimate cost of the Retirement System, if the unfunded liability is paid up and the actual experience of the System conforms to the assumptions.

## Actuarial Accrued Liability

The total actuarial present value of future benefits is computed using the valuation's actuarial assumptions. Subtracting the present value of future normal costs results in the actuarial accrued liability.

The total actuarial accrued liability essentially represents the amount that would have been accumulated as of December 31, 2006, if contributions sufficient to meet the normal costs of the Retirement System had been made each year in the past, benefit provisions had always been the same as current benefit provisions, and actual past experience had always conformed to current actuarial assumptions. If assets equaled the total accrued liability, there would be no unfunded liability and future contribution requirements would consist solely of the calculated normal cost rates.

## Amortization of Unfunded Actuarial Accrued Liability

The unfunded actuarial accrued liability is projected to the beginning of the fiscal year for which employer contributions are being calculated (see page 92 for a description of the projection). The projected unfunded accrued liability is then amortized by level percent of payroll contributions over a period of years. Active member payroll is assumed to increase $4.5 \%$ a year for the purpose of determining the level percent contributions. The standard amortization period to fund the unfunded liability is 29 years for positive unfunded liabilities in the 2006 valuation. This period will be reduced by one year in each of the next four annual valuations, reaching 25 years in the 2010 valuation. Beginning with the 2011 valuation the 25 year period will be reestablished with each annual valuation. The standard amortization period for negative unfunded liabilities is 10 years, with the 10 year period reestablished with each annual actuarial valuation. Section 20 m of Act No. 314 of the Public Acts of 1965 as amended (MCL 38.1140 m ) requires that the amortization period not exceed 30 years. For divisions that are closed to new hires, the amortization period for positive unfunded liabilities is decreased annually by 2 years until the period reaches 5 years. At that point, the amortization period will remain at 5 years. Shorter amortization periods may be elected by a municipality (but not shorter than 5 years for negative unfunded liabilities). Table 16 in the results section of each municipality's individual valuation report indicates the current length of the amortization period for each division. Note that when the 10 year amortization is used for negative unfunded liabilities, Table 16 reports the amortization in two parts: i) a long term credit based on the long term amortization period (usually the standard amortization period described above), plus ii) an overfunding credit resulting from using a 10 year amortization.

In calculating the annual required contribution (ARC) for reporting and disclosure purposes under Statement Nos. 25 and 27 of the Governmental Accounting Standards Board, the following amortization methods are used:

- A level percentage of payroll amortization is used, based on the amortization periods described in the previous paragraph and based on the assumption that payroll increases 4.5\% per year.
- For divisions that are closed to new hires and less than $100 \%$ funded, a 30 -year level dollar amortization is used if it results in a higher amortization payment.


## Projection of Unfunded Accrued Liability

The unfunded accrued liability as of December 31, 2006 is projected to the beginning of the fiscal year for which employer contributions are being calculated (each municipality's fiscal year beginning in 2008). This allows the 2006 valuation to take into account the expected future contributions that are based on past valuations. This projection process will result in more stable computed contribution rates, and was first used for the December 31, 2004 actuarial valuations. The projected unfunded accrued liability is amortized over the appropriate period (see page 91) to determine the amortization payment. For divisions that are closed to new hires this is the dollar amortization payment. For divisions that are open to new hires this payment is divided by the projected fiscal year payroll to determine the amortization payment as a percentage of active member payroll. The resulting amortization contributions are displayed for each division in Table 16 of each municipality's individual valuation report.

The details of the projection are displayed in Table 24 of each municipality's valuation report.

## Present Value of Accrued Benefits

The present value of accrued benefits represents the actuarial value of benefits that have been earned as of the valuation date for all members of the valuation division. This benefit reflects the final average compensation and plan benefit service of each member, and plan features of the member's valuation division as of the valuation date. Included in this value is the current value of vested benefits for members who have met plan vesting requirements and the current value of non-vested benefits for members who have not yet met plan vesting requirements. Regardless of plan vesting service, all member contributions are vested. Active members are assumed to continue in employment until retirement, death, disability or termination, but benefit amounts are frozen, for valuation purposes only, on the valuation date.

## Termination Liability

The termination liability represents the value of the benefits that have been earned as of the valuation date based on final average compensation and benefit service as of the valuation date. All active members are assumed to terminate employment on the valuation date. Vested and non-vested active members are assumed to retire at the first age when the member would be eligible for unreduced deferred retirement benefits, assuming no continued employment after the valuation date (non-vested benefits are assumed to commence at age 60).

## Asset Valuation Method

The actuarial value of assets is determined on the basis of a method that calculates expected investment income at the valuation rate of return and adds a portion of the difference between the expected investment income and actual investment income earned on a market value basis. The difference in investment income between expected return and market return is recognized over a 10-year period at the rate of $10 \%$ per year. This asset valuation method was first adopted for the December 31, 2005 valuation, and is applied as follows:

Actuarial Value equals:
(a) Actuarial value of assets from the previous actuarial valuation, plus
(b) Aggregate employer and member contributions since the last valuation, minus
(c) Benefit payments and refunds of member contributions since the last valuation, plus
(d) Estimated investment income at the $8 \%$ valuation interest rate, plus
(e) Portion of gain (loss) recognized in the current valuation.

For the above purpose, gain (loss) is defined as the excess during the period of the investment return on the market value of assets over the expected investment income. The portion recognized in the valuation is $10 \%$ of the current year's gain (loss) plus $10 \%$ of the gain (loss) from each of the 9 preceding years. The cumulative difference between the market value and valuation assets as of December 31, 2005 is recognized over 9 years.

During 2006, the approximate net investment return on average total assets at actuarial value (determined as the actuarial value of investment income divided by the average actuarial value of assets during the year) was $8.14 \%$. The corresponding amounts for 2005, 20042003 , and 2002 were $6.51 \%, 6.82 \%$, $8.00 \%$, and $3.43 \%$, respectively.

For the December 31, 2006 valuation, the actuarial value of assets is equal to $98.62 \%$ of market value (compared to $102.71 \%, 102.45 \%, 109.52 \%$, and $125.85 \%$ in $2005,2004,2003$, and 2002, respectively). This percentage is applied to each division's reported market value of assets to estimate the actuarial value of assets for the division. Table 37 on page 94 provides the details of the derivation of the actuarial value of assets for the retirement system in the aggregate.

Table 37

## Municipal Employees' Retirement System of Michigan

Derivation of Actuarial Value of Assets

| Valuation Date December 31: | 2006 | 2007 | 2008 | 2009 | 2010 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Beginning of Year Assets |  |  |  |  |  |
| a) Market Value | \$ 4,906,288,690 |  |  |  |  |
| b) Valuation Assets | 5,039,071,709 |  |  |  |  |
| 2. End of Year Market Value Assets | 5,590,042,317 |  |  |  |  |
| 3. Net Additions to Market Value |  |  |  |  |  |
| a) Net Contributions | 371,505,157 |  |  |  |  |
| b) Net Investment Income $=(3 \mathrm{~d})-(3 \mathrm{a})-(3 \mathrm{c})$ | 622,409,716 |  |  |  |  |
| c) Benefit Payments | $(310,161,246)$ |  |  |  |  |
| d) Total Additions to Market Value = (2) - (1a) | 683,753,627 |  |  |  |  |
| 4. Average Valuation Assets $=$ $(1 b)+.5 x[(3 a)+(3 c)]$ | 5,069,743,665 |  |  |  |  |
| 5. Expected Income at Valuation Rate $=8 \% \mathrm{x}$ (4) | 405,579,493 |  |  |  |  |
| 6. Gain (Loss) $=(3 \mathrm{~b})-(5)$ | 216,830,223 |  |  |  |  |
| 7. Phased-In Recognition of Investment Returemer |  |  |  |  |  |
| a) Current Year: $0.1 \times$ (6) | 21,683,022 |  |  |  |  |
| b) First Prior Year | $(14,753,669)$ | 21,683,022 |  |  |  |
| c) Second Prior Year |  | $(14,753,669)$ | 21,683,022 |  |  |
| d) Third Prior Year |  |  | $(14,753,669)$ | 21,683,022 |  |
| e) Fourth Prior Year |  |  |  | $(14,753,669)$ | 21,683,022 |
| f) Fifth Prior Year |  |  |  |  | $(14,753,669)$ |
| g) Sixth Prior Year |  |  |  |  |  |
| h) Seventh Prior Year |  |  |  |  |  |
| i) Eighth Prior Year |  |  |  |  |  |
| j) Ninth Prior Year |  |  |  |  |  |
| k) Total Recognized Investment Gain (Loss) | 6,929,353 | 6,929,353 | 6,929,353 | 6,929,353 | 6,929,353 |
| 8. Change in Valuation Assets |  |  |  |  |  |
| (3a) $+(3 \mathrm{c})+(5)+(7 \mathrm{k})$ | 473,852,757 |  |  |  |  |
| 9. End of Year Assets |  |  |  |  |  |
| a) Market Value = (2) | 5,590,042,317 |  |  |  |  |
| b) Valuation Assets $=(1 \mathrm{~b})+(8)$ | 5,512,924,466 |  |  |  |  |
| c) Difference Between Market \& Valuation Assets | 77,117,851 |  |  |  |  |
| 10. Recognized Rate of Return $=[(5)+(7 \mathrm{k})] /$ (4) | 8.14\% |  |  |  |  |
| 11. Market Rate of Return | 12.61\% |  |  |  |  |
| 12. Valuation Asset Adjustment Factor $=(9 \mathrm{~b}) /(9 \mathrm{a})$ | 0.986204 |  |  |  |  |

Table 37 (cont.)

## Municipal Employees' Retirement System of Michigan

Derivation of Actuarial Value of Assets

| Valuation Date December 31: | 2001 | 2002 | 2003 | 2004 | 2005 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. Beginning of Year Assets |  |  |  |  |  |
| a) Market Value | \$ 3,788,886,471 | \$ 3,647,820,869 | \$ 3,285,304,333 | \$ 4,071,997,180 | \$ 4,619,201,287 |
| b) Valuation Assets | 3,791,423,339 | 4,034,377,419 | 4,134,404,645 | 4,459,492,020 | 4,732,208,229 |
| 2. End of Year Market Value Assets | 3,647,820,869 | 3,285,304,333 | 4,071,997,180 | 4,619,201,287 | 4,906,288,690 |
| 3. Net Additions to Market Value |  |  |  |  |  |
| a) Net Contributions | 154,103,475 | 167,427,558 | 223,450,393 | 223,057,268 | 277,589,524 |
| b) Net Investment Income = (3d)- (3a)- (3c) | $(93,269,286)$ | (324,926,459) | 792,139,959 | 577,562,751 | 288,223,418 |
| c) Benefit Payments | $(201,899,791)$ | $(205,017,635)$ | $(228,897,505)$ | $(253,415,912)$ | (278,725,539) |
| d) Total Additions to Market Value = (2) - (1a) | $(141,065,602)$ | $(362,516,536)$ | 786,692,847 | 547,204,107 | 287,087,403 |
| 4. Average Valuation Assets $=$ $(1 b)+.5 x[(3 a)+(3 c)]$ | 3,767,525,181 | 4,015,582,381 | 4,131,681,089 | 4,444,312,698 | 4,731,640,222 |
| 5. Expected Income at Valuation Rate $=8 \% \mathrm{x}$ (4) | 301,402,014 | 321,246,590 | 330,534,487 | 355,545,016 | 378,531,218 |
| 6. Gain (Loss) $=(3 \mathrm{~b})-(5)$ | $(394,671,300)$ | (646,173,049) | 461,605,472 | 222,017,735 | (90,307,800) |
| 7. Phased-In Recognition of Investment Return <br> a) Current Year: $0.2 \times(6)$ |  |  |  | 4,403,547 |  |
| b) First Prior Year | $(79,670,266)$ | $(78,934,260)$ |  |  | 44,403,547 |
| c) Second Prior Year | 63,981,441 | $(79,670,266)$ |  |  |  |
| d) Third Prior Year | 40,228,410 | 63,981,441 |  |  |  |
| e) Fourth Prior Year | 43,743,057 | 40,228,408 |  |  |  |
| f) 1999-2003 Years Combined | N/A | N/A | 0 | $(96,873,710)$ | $(96,873,710)$ |
| g) Total Recognized Investment Gain (Loss) | $(10,651,618)$ | (183,629,287) | 0 | $(52,470,163)$ | (70,531,723) |
| 8. Change in Valuation Assets $(3 \mathrm{a})+(3 \mathrm{c})+(5)+(7 \mathrm{~g})$ | 242,954,080 | 100,027,226 | 325,087,375 | 272,716,209 | 306,863,480 |
| 9. End of Year Assets |  |  |  |  |  |
| a) Market Value = (2) | 3,647,820,869 | 3,285,304,333 | 4,071,997,180 | 4,619,201,287 | 4,906,288,690 |
| b) Valuation Assets $=(1 \mathrm{~b})+(8)$ | 4,034,377,419 | 4,134,404,645 | 4,459,492,020 | 4,732,208,229 | 5,039,071,709 |
| c) Difference Between Market \& Valuation Assets | (386,556,550) | (849,100,312) | (387,494,840) | $(113,006,942)$ | $(132,783,019)$ |
| 10. Recognized Rate of Return $=[(5)+(7 \mathrm{~g})] /$ (4) | 7.72\% | 3.43\% | 8.00\% | 6.82\% | 6.51\% |
| 11. Market Rate of Return | (2.48\%) | (8.95\%) | 24.13\% | 14.24\% | 6.24\% |
| 12. Valuation Asset Adjustment Factor $=(9 \mathrm{~b}) /(9 \mathrm{a})$ | 1.105969 | 1.258454 | 1.095161 | 1.024465 | 1.027064 |

Gabriel Roeder Smith \& Company

# Appendix <br> Municipal Employees' Retirement System of Michigan 

## December 31, 2006 Valuation Results

by MUNICIPALITY

MERS 12/31/2006 Valuation - Results by Municipality
Participant Information

| Municipality Name | Number | Number of Divisions | Fiscal Year Beginning | Number of Actives | Active Salary | Number of Retirees | Annual Benefits <br> In Force | Number Deferred Vesteds | Annual Deferred Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41B District Court | 5014 | 1 | January 1 | 17 | 736,811 | 17 | 213,862 | 7 | 145,726 |
| Addison Fire Departm | 4607 | 1 | April 1 | 2 | 128,098 | 0 | 0 | 0 | 0 |
| Adrian, City of | 4601 | 7 | July 1 | 160 | 7,351,140 | 117 | 2,368,994 | 17 | 218,341 |
| Albion, City of | 1301 | 6 | January 1 | 45 | 1,606,459 | 102 | 740,611 | 23 | 143,152 |
| Alcona County | 101 | 8 | January 1 | 54 | 1,751,913 | 46 | 417,531 | 8 | 46,912 |
| Alger County | 203 | 8 | January 1 | 34 | 1,179,108 | 19 | 293,630 | 6 | 13,546 |
| Alger County Road Co | 201 | 1 | January 1 | 28 | 1,110,254 | 37 | 438,623 | 2 | 18,014 |
| Algonac, City of | 7707 | 2 | July 1 | 26 | 1,202,176 | 5 | 68,045 | 7 | 50,843 |
| Allegan, City of | 309 | 4 | July 1 | 11 | 613,332 | 3 | 65,202 | 5 | 53,742 |
| Allegan County | 302 | 14 | January 1 | 135 | 6,492,426 | 215 | 2,220,811 | 91 | 563,598 |
| Allegan County Rd. C | 301 | 3 | January 1 | 66 | 2,725,574 | 53 | 815,042 | 2 | 17,251 |
| Alma, City of | 2901 | 6 | July 1 | 86 | 2,941,896 | 69 | 880,535 | 8 | 84,698 |
| Almont, Village of | 4407 | 3 | July 1 | 14 | 622,967 | 2 | 32,277 | 1 | 2,821 |
| Alpena County | 401 | 6 | January 1 | 97 | 3,330,768 | 66 | 577,249 | 22 | 119,891 |
| Alpena County Rd. Co | 402 | 3 | January 1 | 35 | 1,319,078 | 34 | 403,559 | 2 | 10,211 |
| Alpena General Hospi | 405 | 4 | July 1 | 489 | 25,540,341 | 303 | 4,591,649 | 59 | 645,512 |
| Alpena Senior Citize | 404 | 1 | October 1 | 1 | 27,040 | 6 | 42,083 | 1 | 19,690 |
| Alpha, Village of | 3614 | 1 | April 1 | 1 | 30,646 | 0 | 0 | 1 | 2,626 |
| Antrim County | 502 | 5 | January 1 | 311 | 10,031,008 | 122 | 820,670 | 50 | 227,667 |
| Antrim County Rd Com | 501 | 2 | January 1 | 43 | 1,585,711 | 39 | 636,295 | 1 | 11,480 |
| Arenac County | 603 | 6 | January 1 | 77 | 2,437,211 | 44 | 373,522 | 21 | 101,987 |
| Arenac County Rd Com | 604 | 4 | January 1 | 27 | 934,508 | 24 | 304,615 | 1 | 6,924 |
| Ash Township | 5804 | 1 | April 1 | 2 | 75,070 | 3 | 29,703 | 1 | 1,438 |
| Auburn, City of | 905 | 1 | July 1 | 7 | 323,583 | 3 | 34,462 | 0 | 0 |
| Au Gres, City of | 602 | 2 | April 1 | 5 | 285,792 | 5 | 55,100 | 0 | 0 |
| Bad Axe, City of | 3211 | 1 | July 1 | 26 | 1,139,846 | 6 | 164,883 | 1 | 22,442 |
| Bangor, City of | 8003 | 1 | July 1 | 14 | 503,411 | 11 | 69,044 | 8 | 18,090 |
| Baraga, Village of | 704 | 2 | March 1 | 9 | 348,919 | 7 | 125,411 | 2 | 7,298 |
| Baraga County | 702 | 2 | January 1 | 30 | 978,434 | 19 | 232,028 | 6 | 29,255 |
| Baraga County Memori | 703 | 2 | October 1 | 163 | 5,185,794 | 74 | 388,916 | 22 | 116,353 |
| Baraga County Rd Com | 701 | 3 | October 1 | 28 | 992,998 | 34 | 481,052 | 0 | 0 |
| Baroda Township | 1109 | 1 | April 1 | 3 | 150,607 | 0 | 0 | 0 | 0 |
| Barry County | 802 | 14 | January 1 | 394 | 13,218,976 | 151 | 1,552,832 | 33 | 211,888 |
| Barry County CMH Aut | 804 | 2 | April 1 | 51 | 1,788,746 | 0 | 0 | 5 | 17,677 |
| Barry-Eaton Dist Hlt | 2303 | 2 | January 1 | 92 | 3,681,332 | 42 | 459,152 | 32 | 204,833 |
| Barton Hills, Villag | 8107 | 1 | April 1 | 3 | 138,876 | 1 | 17,381 | 0 | 0 |
| Bates Township | 3616 | 1 | April 1 | 2 | 61,992 | 1 | 12,632 | 0 | 0 |
| Bath Charter Townshi | 1909 | 1 | January 1 | 20 | 943,141 | 4 | 88,738 | 3 | 20,093 |
| Battle Creek, City o | 1302 | 9 | July 1 | 412 | 18,967,386 | 251 | 4,440,491 | 41 | 439,129 |
| Bay Area Transportat | 2810 | 2 | October 1 | 62 | 2,089,501 | 0 | 0 | 0 | 0 |
| Bay City, City of | 901 | 6 | July 1 | 115 | 5,508,803 | 280 | 4,501,486 | 18 | 136,929 |
| Bay City Housing Com | 906 | 2 | October 1 | 16 | 776,645 | 18 | 285,253 | 0 | 0 |
| Bayliss Public Libra | 1702 | 1 | July 1 | 8 | 212,547 | 3 | 26,175 | 1 | 5,995 |
| Bay Metro Transit Au | 907 | 3 | October 1 | 99 | 3,239,188 | 20 | 167,878 | 10 | 39,646 |
| Beecher Met Dist Swg | 2501 | 2 | July 1 | 12 | 666,127 | 9 | 153,161 | 2 | 52,624 |
| Belding, City of | 3410 | 1 | July 1 | 7 | 334,169 | 4 | 99,308 | 1 | 2,054 |
| Belleville, City of | 8213 | 5 | July 1 | 20 | 988,515 | 11 | 138,880 | 7 | 23,666 |
| Benzie/Leelanau Dist | 4504 | 1 | January 1 | 4 | 190,645 | 1 | 7,698 | 0 | 0 |
| Benzie County | 1003 | 6 | January 1 | 86 | 2,944,096 | 33 | 362,635 | 32 | 198,239 |
| Benzie County Comm o | 1006 | 1 | October 1 | 10 | 259,641 | 1 | 19,388 | 1 | 6,116 |
| Benzie County MCF (M | 1004 | 2 | January 1 | 106 | 3,086,882 | 23 | 135,112 | 18 | 68,074 |
| Benzie County Road C | 1001 | 3 | January 1 | 33 | 1,107,068 | 25 | 341,719 | 4 | 30,708 |
| Benzie Shores Dist. | 1005 | 1 | July 1 | 1 | 58,092 | 0 | 0 | 0 | 0 |
| Berkley, City of | 6304 | 2 | July 1 | 55 | 2,414,979 | 61 | 1,183,585 | 11 | 107,719 |
| Berrien Springs, Vil | 1102 | 2 | July 1 | 19 | 720,006 | 10 | 69,076 | 7 | 40,041 |
| Bessemer, City of | 2702 | 1 | July 1 | 12 | 413,573 | 17 | 169,165 | 2 | 11,054 |
| Beverly Hills, Villa | 6321 | 2 | July 1 | 14 | 736,263 | 9 | 67,688 | 10 | 99,499 |
| Big Rapids, City of | 5402 | 2 | July 1 | 41 | 1,847,975 | 37 | 373,937 | 8 | 36,170 |
| Big Rapids Housing C | 5406 | 1 | April 1 | 5 | 276,893 | 3 | 28,276 | 2 | 17,513 |
| Birch Run, Village o | 7315 | 3 | July 1 | 16 | 605,954 | 2 | 9,683 | 3 | 6,778 |
| Bishop Intl Arpt Aut | 2507 | 1 | January 1 | 29 | 1,474,914 | 5 | 67,939 | 2 | 21,443 |
| Blackman Township | 3806 | 1 | January 1 | 27 | 1,435,471 | 6 | 211,908 | 1 | 18,714 |
| Blissfield, Village | 4606 | 1 | July 1 | 22 | 895,859 | 4 | 68,432 | 3 | 14,759 |
| Bloomfield Hills, Ci | 6302 | 6 | July 1 | 28 | 1,788,949 | 38 | 1,475,469 | 3 | 65,058 |
| Blue Water Area Tran | 7709 | 2 | October 1 | 45 | 1,653,207 | 6 | 41,104 | 4 | 25,592 |
| Boyne City, City of | 1506 | 4 | May 1 | 34 | 1,484,407 | 27 | 312,952 | 6 | 46,706 |
| Branch County Sherif | 1205 | 3 | January 1 | 35 | 1,432,744 | 2 | 7,046 | 0 | 0 |
| Brandon Township | 6333 | 2 | January 1 | 33 | 1,525,273 | 1 | 19,603 | 0 | 0 |
| Breckenridge,Village | 2906 | 1 | March 1 | 9 | 283,007 | 7 | 81,630 | 2 | 5,057 |
| Bridgeport Charter T | 7307 | 3 | January 1 | 39 | 1,595,321 | 23 | 331,077 | 16 | 116,951 |
| Brighton, City of | 4704 | 5 | July 1 | 55 | 3,298,689 | 21 | 304,501 | 7 | 45,295 |
| Brighton Area Fire A | 4715 | 2 | July 1 | 5 | 246,359 | 1 | 14,725 | 0 | 0 |
| Brighton Township | 4711 | 2 | July 1 | 15 | 660,951 | 3 | 30,954 | 4 | 34,094 |
| Britton, Village of | 4604 | 1 | March 1 | 3 | 92,911 | 1 | 6,131 | 0 | 0 |
| Brnch-Hllsdl-St.Josp | 1202 | 1 | January 1 | 77 | 2,693,320 | 32 | 313,635 | 16 | 112,103 |
| Bronson, City of | 1204 | 1 | July 1 | 4 | 187,392 | 1 | 8,757 | 1 | 8,360 |

MERS 12/31/2006 Valuation - Results by Municipality
Participant Information

| Municipality Name | Number | Number of Divisions | Fiscal Year Beginning | Number of Actives | Active Salary | Number of Retirees | Annual Benefits <br> In Force | Number Deferred Vesteds | Annual Deferred Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Brooklyn, Village of | 3801 | 1 | March 1 | 4 | 157,029 | 4 | 75,406 | 0 | 0 |
| Buchanan, City of | 1101 | 4 | July 1 | 33 | 1,312,507 | 33 | 328,338 | 9 | 29,943 |
| Buchanan District Li | 1108 | 1 | July 1 | 4 | 104,628 | 0 | 0 | 0 | 0 |
| Buena Vista Charter | 7312 | 4 | January 1 | 36 | 1,627,472 | 11 | 281,366 | 7 | 67,516 |
| Burton, City of | 2508 | 5 | July 1 | 98 | 4,572,971 | 43 | 1,261,205 | 13 | 127,517 |
| Butman Township | 2604 | 1 | July 1 | 0 | 0 | 0 | 0 | 4 | 14,409 |
| Cadillac, City of | 8301 | 7 | July 1 | 66 | 2,560,750 | 47 | 431,970 | 13 | 61,608 |
| Cadillac/Wexford Tra | 8305 | 3 | October 1 | 17 | 466,408 | 3 | 16,696 | 0 | 0 |
| Calhoun County | 1311 | 2 | January 1 | 159 | 7,358,040 | 32 | 810,775 | 3 | 15,988 |
| Calhoun County Road | 1307 | 3 | January 1 | 74 | 2,942,610 | 29 | 555,777 | 16 | 212,503 |
| Canton Public Librar | 8232 | 1 | January 1 | 16 | 826,644 | 3 | 73,212 | 0 | 0 |
| Canton Township | 8233 | 8 | January 1 | 233 | 16,252,352 | 40 | 2,106,900 | 2 | 32,615 |
| Capac, Village of | 7705 | 4 | July 1 | 6 | 274,649 | 10 | 103,557 | 5 | 19,865 |
| Capital Area Dist Li | 3317 | 3 | January 1 | 79 | 3,266,454 | 0 | 0 | 3 | 2,008 |
| Capital Region Arprt | 3305 | 5 | July 1 | 50 | 2,625,591 | 30 | 638,299 | 13 | 113,176 |
| Carleton, Village of | 5805 | 2 | March 1 | 7 | 259,025 | 2 | 16,002 | 1 | 2,354 |
| Carrollton Township | 7320 | 2 | April 1 | 21 | 653,334 | 1 | 37,232 | 1 | 1,823 |
| Cascade Charter Town | 4110 | 1 | January 1 | 43 | 2,120,553 | 3 | 36,222 | 3 | 40,818 |
| Caseville, Village o | 3207 | 1 | March 1 | 12 | 460,781 | 5 | 14,274 | 0 | 0 |
| Caspian, Village of | 3608 | 1 | July 1 | 6 | 206,206 | 6 | 32,953 | 2 | 8,004 |
| Cass County | 1402 | 8 | January 1 | 149 | 5,822,715 | 56 | 713,217 | 17 | 124,927 |
| Cass County MCF | 1403 | 1 | January 1 | 76 | 2,303,413 | 24 | 119,150 | 5 | 45,820 |
| Cass District Librar | 1404 | 1 | January 1 | 13 | 348,624 | 5 | 31,879 | 2 | 7,586 |
| Cedar Springs, City | 4105 | 3 | July 1 | 15 | 723,688 | 9 | 111,009 | 3 | 21,037 |
| Center Line, City of | 5001 | 4 | July 1 | 27 | 1,108,723 | 41 | 618,516 | 1 | 2,349 |
| Central Dispatch of | 6109 | 3 | October 1 | 26 | 1,154,345 | 18 | 212,964 | 1 | 1,494 |
| Central MI Dist Hlth | 3705 | 5 | October 1 | 107 | 3,944,250 | 52 | 697,765 | 41 | 223,758 |
| Central Wayne County | 8214 | 2 | July 1 | 0 | 0 | 22 | 316,327 | 8 | 92,462 |
| Charlevoix, City of | 1505 | 3 | March 1 | 41 | 1,860,553 | 30 | 394,359 | 5 | 79,995 |
| Charlevoix Cnty Rd C | 1501 | 1 | January 1 | 34 | 1,248,234 | 37 | 377,147 | 6 | 33,694 |
| Charlevoix County | 1503 | 8 | January 1 | 377 | 11,076,183 | 117 | 905,706 | 33 | 208,396 |
| Charlotte, City of | 2301 | 5 | July 1 | 52 | 2,518,893 | 37 | 661,083 | 13 | 102,038 |
| Charlotte District L | 2309 | 2 | January 1 | 6 | 188,064 | 2 | 34,067 | 0 | 0 |
| Charter Twp of Muske | 6108 | 4 | April 1 | 53 | 2,546,580 | 33 | 482,111 | 4 | 39,597 |
| Cheboygan, City of | 1602 | 3 | July 1 | 33 | 1,295,969 | 32 | 409,953 | 2 | 6,409 |
| Cheboygan County | 1603 | 3 | January 1 | 142 | 4,441,610 | 58 | 472,539 | 14 | 137,945 |
| Cheboygan County Rd | 1601 | 2 | January 1 | 52 | 1,961,293 | 55 | 845,778 | 4 | 35,108 |
| Chelsea, Village of | 8103 | 3 | July 1 | 22 | 1,180,479 | 23 | 501,890 | 5 | 37,153 |
| Chesaning, Village o | 7313 | 3 | March 1 | 12 | 424,105 | 11 | 146,050 | 3 | 15,263 |
| Chesterfield Townshi | 5009 | 1 | January 1 | 124 | 5,615,845 | 6 | 99,788 | 2 | 13,533 |
| Chesterfield Townshi | 5010 | 1 | January 1 | 7 | 304,711 | 0 | 0 | 0 | 0 |
| Chikaming Township | 1112 | 2 | April 1 | 13 | 486,056 | 0 | 0 | 0 | 0 |
| Chippewa County | 1703 | 7 | January 1 | 193 | 7,049,299 | 92 | 937,900 | 38 | 342,116 |
| Chippewa County Rd C | 1704 | 2 | January 1 | 62 | 2,364,544 | 69 | 772,151 | 4 | 44,844 |
| Chippewa River Dist | 3707 | 2 | January 1 | 19 | 715,096 | 1 | 19,789 | 1 | 6,601 |
| City of Bridgman | 1110 | 1 | July 1 | 15 | 632,106 | 0 | 0 | 0 | 0 |
| City of Clio | 2523 | 1 | July 1 | 13 | 509,200 | 0 | 0 | 1 | 5,972 |
| City of Harbor Sprin | 2405 | 1 | January 1 | 25 | 1,146,631 | 2 | 40,891 | 0 | 0 |
| City of Richmond | 5012 | 1 | July 1 | 10 | 455,727 | 1 | 25,586 | 0 | 0 |
| Clare, City of | 1804 | 2 | July 1 | 25 | 987,420 | 16 | 256,925 | 8 | 108,735 |
| Clare County | 1802 | 4 | January 1 | 145 | 4,689,048 | 53 | 603,902 | 15 | 75,327 |
| Clare County Road Co | 1801 | 2 | July 1 | 36 | 1,238,972 | 46 | 547,721 | 0 | 0 |
| Clawson, City of | 6305 | 4 | July 1 | 30 | 1,806,265 | 52 | 1,405,048 | 2 | 23,060 |
| Clay Township | 7706 | 6 | July 1 | 33 | 1,635,316 | 15 | 174,935 | 3 | 18,626 |
| Clearwater Township | 4005 | 1 | April 1 | 1 | 31,702 | 0 | 0 | 0 | 0 |
| Clinton, Village of | 4602 | 2 | April 1 | 18 | 835,228 | 7 | 43,663 | 4 | 37,736 |
| Clinton County | 1903 | 6 | January 1 | 206 | 8,537,396 | 101 | 1,205,922 | 37 | 235,950 |
| Clinton County Road | 1901 | 3 | January 1 | 53 | 2,420,068 | 43 | 582,862 | 4 | 37,130 |
| Clinton-Eaton-Ingham | 3308 | 6 | October 1 | 673 | 27,052,923 | 187 | 3,048,014 | 128 | 913,026 |
| Clinton Township | 5002 | 9 | April 1 | 201 | 10,330,334 | 107 | 1,993,662 | 12 | 187,463 |
| Coldwater, City of | 1201 | 7 | July 1 | 31 | 1,508,430 | 55 | 857,878 | 14 | 145,644 |
| Coldwater Board of P | 1203 | 2 | July 1 | 26 | 1,289,626 | 35 | 536,511 | 6 | 78,316 |
| Coleman, City of | 5603 | 1 | July 1 | 7 | 289,835 | 6 | 82,514 | 1 | 7,206 |
| Coloma Township | 1107 | 1 | April 1 | 6 | 278,190 | 0 | 0 | 0 | 0 |
| Columbiaville, Villa | 4406 | 1 | March 1 | 4 | 153,966 | 3 | 13,734 | 0 | 0 |
| Comm Mental Hlth for | 3708 | 1 | October 1 | 304 | 12,841,572 | 73 | 1,018,323 | 100 | 725,653 |
| Coopersville, City o | 7005 | 2 | July 1 | 16 | 674,934 | 6 | 55,403 | 4 | 14,147 |
| Corunna City of | 7604 | 5 | July 1 | 14 | 573,985 | 10 | 208,649 | 5 | 58,682 |
| Corwith Township | 6904 | 1 | April 1 | 6 | 61,587 | 0 | 0 | 0 | 0 |
| Crawford Cnty Trans. | 2004 | 1 | January 1 | 23 | 641,811 | 6 | 116,386 | 0 | 0 |
| Crawford County | 2001 | 6 | October 1 | 69 | 2,554,259 | 53 | 406,009 | 13 | 60,206 |
| Crawford County Rd C | 2002 | 4 | January 1 | 32 | 1,297,302 | 17 | 245,913 | 2 | 20,065 |
| Croswell, City of | 7401 | 2 | July 1 | 30 | 1,389,765 | 19 | 339,053 | 1 | 3,250 |
| Crystal Falls, City | 3603 | 3 | January 1 | 21 | 906,137 | 26 | 428,085 | 4 | 10,098 |
| Crystal Falls Comm H | 3618 | 2 | January 1 | 0 | 0 | 51 | 216,150 | 77 | 187,557 |
| Davison, City of | 2516 | 4 | January 1 | 19 | 992,886 | 7 | 215,083 | 0 | 0 |

MERS 12/31/2006 Valuation - Results by Municipality
Participant Information

| Municipality Name | Number | Number of Divisions | Fiscal <br> Year Beginning | Number of Actives | Active Salary | Number of Retirees | Annual Benefits In Force | Number Deferred Vesteds | Annual Deferred Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Davison Township | 2519 | 2 | July 1 | 40 | 1,940,622 | 5 | 177,269 | 1 | 1,734 |
| Deerfield, Village o | 4603 | 1 | March 1 | 5 | 224,179 | 2 | 42,641 | 0 | 0 |
| Delta Charter Townsh | 2306 | 1 | January 1 | 30 | 1,688,465 | 8 | 287,381 | 2 | 34,585 |
| Delta County | 2102 | 8 | October 1 | 115 | 4,190,601 | 74 | 877,146 | 14 | 110,676 |
| Delta County Rd Comm | 2105 | 4 | January 1 | 38 | 1,422,368 | 24 | 295,591 | 5 | 52,453 |
| Delta-Menominee Dist | 2103 | 2 | January 1 | 49 | 1,642,677 | 9 | 39,182 | 25 | 165,443 |
| Detour, Village of | 1706 | 1 | April 1 | 7 | 134,306 | 3 | 10,183 | 1 | 359 |
| Detroit Housing Comm | 8241 | 2 | July 1 | 137 | 6,215,231 | 0 | 0 | 0 | 0 |
| DeWitt, City of | 1908 | 3 | July 1 | 18 | 883,385 | 8 | 115,630 | 13 | 49,222 |
| Dewitt Charter Towns | 1910 | 2 | January 1 | 14 | 722,956 | 1 | 14,042 | 4 | 33,903 |
| Dexter, Village of | 8217 | 1 | July 1 | 21 | 1,055,372 | 6 | 96,671 | 1 | 9,325 |
| Dexter Township | 8111 | 1 | April 1 | 11 | 226,825 | 2 | 15,429 | , | 1,426 |
| Dickinson County | 2206 | 7 | January 1 | 96 | 3,299,225 | 49 | 802,119 | 20 | 153,995 |
| Dickinson County Rd | 2203 | 2 | January 1 | 35 | 1,359,567 | 39 | 383,739 | 6 | 45,013 |
| Dickinson-Iron Dist | 3605 | 4 | January 1 | 31 | 934,928 | 28 | 322,117 | 22 | 160,786 |
| Dimondale, Village of | 2304 | 1 | March 1 | 5 | 204,211 | 2 | 12,797 | 1 | 14,135 |
| Dist Hlth Dept No 2 | 6501 | 2 | January 1 | 33 | 1,339,377 | 17 | 207,126 | 10 | 110,012 |
| Dist Hlth Dept No 4 | 7103 | 1 | January 1 | 47 | 1,746,410 | 21 | 357,821 | 12 | 78,458 |
| District Health Dept | 5104 | 2 | January 1 | 46 | 1,986,226 | 75 | 1,028,332 | 24 | 128,238 |
| Douglas, Village of | 303 | 3 | March 1 | 17 | 738,339 | 6 | 41,992 | 4 | 12,355 |
| Dowagiac, City of | 1401 | 6 | October 1 | 58 | 2,399,160 | 45 | 759,506 | 13 | 90,251 |
| Dowagiac District Li | 1406 | 1 | October 1 | 2 | 61,803 | 0 | 0 | 0 | 0 |
| Dowagiac Housing Com | 1405 | 2 | October 1 | 5 | 145,588 | 0 | 0 | 2 | 5,190 |
| Drummond Island Town | 1708 | 1 | April 1 | 3 | 79,487 | 0 | 0 | 0 | 0 |
| Dryden, Village of | 4405 | 1 | April 1 | 3 | 100,689 | 1 | 17,904 | 1 | 7,844 |
| Dundee, Village of | 5803 | 1 | March 1 | 13 | 639,198 | 5 | 61,099 | 0 | 0 |
| Durand, City of | 7603 | 2 | July 1 | 21 | 957,355 | 13 | 151,797 | 3 | 21,279 |
| East China, Township | 7701 | 1 | April 1 | 17 | 854,931 | 10 | 222,161 | 1 | 19,525 |
| Eastern UP Trans Aut | 1705 | 2 | October 1 | 23 | 955,240 | 17 | 301,955 | 3 | 24,750 |
| East Grand Rapids,Ci | 4101 | 5 | July 1 | 12 | 663,860 | 47 | 1,388,603 | 6 | 47,151 |
| East Jordan, City of | 1504 | 4 | July 1 | 22 | 821,015 | 16 | 147,663 | 4 | 27,703 |
| East Lansing, City o | 3301 | 17 | July 1 | 263 | 14,612,396 | 257 | 6,856,754 | 65 | 578,561 |
| Eastpointe Housing C | 5011 | 1 | July 1 | 5 | 212,545 | 0 | 0 | 0 | 0 |
| Eaton Co Medical Car | 2305 | 4 | January 1 | 132 | 3,724,984 | 34 | 213,080 | 7 | 64,029 |
| Eaton County | 2302 | 10 | October 1 | 386 | 16,700,534 | 171 | 3,848,984 | 37 | 282,428 |
| Eaton Rapids, City o | 2307 | 4 | January 1 | 44 | 2,142,285 | 11 | 257,961 | 7 | 58,672 |
| Eau Claire, Village | 1104 | 1 | March 1 | 4 | 102,118 | 3 | 31,987 | 0 | 0 |
| Ecorse, City of | 8206 | 7 | July 1 | 56 | 2,965,559 | 157 | 3,180,247 | 8 | 79,550 |
| Elderly Housing Comm | 8222 | 2 | January 1 | 14 | 445,618 | 9 | 102,598 | 1 | 11,057 |
| Elkton, Village of | 3206 | 2 | March 1 | 3 | 98,131 | 4 | 29,681 | 3 | 14,584 |
| Elsie, Village of | 1906 | 1 | April 1 | 0 | 0 | 2 | 5,368 | 2 | 12,173 |
| Emmet, Charter Twnsh | 1310 | 2 | April 1 | 24 | 1,077,516 | 5 | 108,613 | 2 | 5,056 |
| Emmet County Rd Comm | 2401 | 2 | January 1 | 16 | 689,983 | 49 | 761,493 | 4 | 28,909 |
| Escanaba, City of | 2101 | 6 | July 1 | 105 | 3,861,932 | 100 | 1,353,183 | 16 | 163,043 |
| Essexville, City of | 903 | 6 | July 1 | 21 | 870,893 | 22 | 361,632 | 2 | 14,116 |
| Evart, City of | 6705 | 1 | July 1 | 11 | 424,255 | 2 | 33,568 | 4 | 31,944 |
| Evart Local Dev Fina | 6706 | 1 | July 1 | 1 | 79,238 | 1 | 3,935 | 0 | 0 |
| Farmington Comm Libr | 6319 | 2 | July 1 | 20 | 888,584 | 22 | 290,413 | 2 | 11,458 |
| Fenton, City of | 2505 | 7 | July 1 | 54 | 2,996,270 | 26 | 362,392 | 3 | 14,621 |
| Ferrysburg, City of | 7106 | 1 | July 1 | 8 | 350,877 | 5 | 25,391 | 4 | 6,889 |
| Flat Rock, City of | 8212 | 6 | July 1 | 80 | 4,263,917 | 36 | 867,374 | 1 | 9,344 |
| Flint Charter Townsh | 2512 | 2 | January 1 | 60 | 3,409,798 | 5 | 178,333 | 5 | 51,331 |
| Flint Public Library | 2518 | 1 | July 1 | 28 | 1,099,983 | 0 | 0 | 0 | 0 |
| Flushing, Charter To | 2515 | 3 | April 1 | 24 | 1,076,319 | 2 | 19,773 | 2 | 4,069 |
| Flushing, City of | 2502 | 3 | July 1 | 35 | 1,764,865 | 28 | 548,394 | 4 | 23,902 |
| Forsyth Township | 5212 | 4 | April 1 | 20 | 764,205 | 7 | 132,388 | 2 | 31,335 |
| Fowler, Village of | 1904 | 1 | January 1 | 2 | 83,606 | 2 | 22,114 | 1 | 4,786 |
| Fowlerville, Village | 4705 | 1 | February 1 | 10 | 475,841 | 8 | 95,452 | 5 | 35,108 |
| Fowlerville District | 4710 | 1 | July 1 | 2 | 85,000 | 0 | 0 | 0 | 0 |
| Frankenmuth, City of | 7306 | 2 | July 1 | 30 | 1,649,228 | 23 | 495,297 | 3 | 30,402 |
| Frankfort, City of | 1002 | 2 | July 1 | 14 | 580,667 | 14 | 122,360 | 1 | 1,128 |
| Franklin, Village of | 6323 | 2 | July 1 | 15 | 828,889 | 4 | 63,138 | 1 | 110 |
| Fraser, City of | 5003 | 1 | July 1 | 0 | 0 | 3 | 9,272 | 3 | 11,189 |
| Fremont, City of | 6203 | 2 | July 1 | 28 | 1,331,170 | 19 | 320,060 | 3 | 24,701 |
| Fremont Area Distric | 6209 | 1 | July 1 | 9 | 270,028 | 3 | 44,886 | 2 | 8,611 |
| Gaastra, City of | 3617 | 1 | July 1 | 2 | 61,303 | 0 | 0 | 0 | 0 |
| Gaylord, City of | 6903 | 3 | July 1 | 37 | 1,625,901 | 14 | 250,857 | 4 | 21,598 |
| Genesee Charter Town | 2510 | 1 | January 1 | 53 | 2,594,485 | 27 | 466,093 | 3 | 23,026 |
| Genoa Township | 4713 | 2 | July 1 | 2 | 144,500 | 0 | 0 | 0 | 0 |
| Gladstone, City of | 2106 | 3 | April 1 | 21 | 1,003,421 | 31 | 566,804 | 6 | 39,431 |
| Gladwin, City of | 2605 | 3 | July 1 | 28 | 950,106 | 3 | 62,964 | 2 | 26,868 |
| Gladwin CO. District | 2607 | 1 | January 1 | 8 | 193,115 | 2 | 12,844 | 1 | 11,293 |
| Gladwin County | 2602 | 8 | January 1 | 99 | 3,328,133 | 46 | 480,334 | 22 | 117,882 |
| Gladwin County Rd Co | 2601 | 2 | January 1 | 34 | 1,342,266 | 32 | 659,469 | 1 | 21,908 |
| Gogebic-Iron Wastewt | 2703 | 1 | July 1 | 6 | 260,852 | 4 | 76,639 | 0 | 0 |
| Grand Blanc, City of | 2513 | 4 | June 1 | 34 | 2,035,041 | 2 | 88,268 | 1 | 8,181 |

MERS 12/31/2006 Valuation - Results by Municipality
Participant Information

Municipality Name
Grand Blanc Charter
Grand Haven, City of
Grand Ledge Area Em
Grand Rapids Housing
Grand Trav. Pavilion
Grand Traverse Cnty
Grand Traverse Count
Grandville, City of
Gratiot County
Gratiot County Rd Co
Grayling, City of
Green Oak Township
Greenville, City of
Grosse Ile Township
Grosse Pointe Park,
Grosse Pte-Clntn Rfs
Groveland Township
Hackley Public Libra
Hamburg Township
Hamtramck, City of
Hancock, City of
Harbor Beach, City o
Harrison, City of
Hastings, City of
Health Source of Sag
Helen Newberry Joy H
Henika District Libr
Hiawatha Comm MH Aut
Highland Park, City
Hillsdale, City of
Hillsdale County Rd
Hillsdale County-She
Holland, City of
Holland Hospital
Holland Swimming Poo
Holly, Village of
Homer, Village of
Houghton County
Houghton Lake Public
Howard City, Village
Howard Township
Howell, City of
Howell Area Fire Aut
Howell Carnegie Dist
Hudsonville, City of
Huntington Woods, Ci
Huron Charter Townsh
Huron County
Huron County Rd Comm
Imlay City, City of
Independence Townshi
Indianfields Townshi
Ingham County
Ingham County Road C
Interurban Transit A
Ionia, City of
Ionia Community Libr
Ionia County
Ionia County Road Co
Ionia Housing Commis Iosco County
Iosco County Road Co Iron County
Iron County Housing
Iron County Road Com
Iron Mntn-Kingsford
Iron Mountain, City
Iron River, City of
Isabella Co. Transp.
Isabella County
Isabella County Rd C
Ishpeming, City of
Ishpeming A J Wstwtr

| Number | Number of Divisions | Fiscal Year Beginning | Number of Actives | Active Salary | Number of Retirees | Annual Benefits In Force | Number Deferred Vesteds | Annual Deferred Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2511 | 3 | January 1 | 50 | 2,940,411 | 11 | 305,717 | 1 | 354 |
| 7010 | 8 | July 1 | 192 | 9,474,734 | 120 | 2,348,842 | 30 | 277,120 |
| 2310 | 1 | July 1 | 9 | 405,824 | 0 | 0 | 1 | 3,834 |
| 4108 | 1 | July 1 | 5 | 307,101 | 1 | 19,822 | 1 | 12,817 |
| 2809 | 4 | January 1 | 364 | 10,597,139 | 73 | 334,592 | 60 | 311,785 |
| 2802 | 2 | January 1 | 19 | 714,176 | 49 | 638,744 | 4 | 22,528 |
| 2803 | 14 | January 1 | 140 | 6,217,137 | 206 | 4,394,520 | 57 | 425,254 |
| 4102 | 6 | July 1 | 29 | 1,557,268 | 43 | 900,835 | 14 | 134,550 |
| 2905 | 5 | January 1 | 79 | 3,144,483 | 78 | 727,933 | 22 | 165,684 |
| 2903 | 2 | January 1 | 42 | 1,691,578 | 46 | 614,365 | 3 | 15,654 |
| 2003 | 4 | July 1 | 21 | 839,223 | 7 | 88,686 | 3 | 6,474 |
| 4708 | 1 | April 1 | 13 | 697,732 | 0 | 0 | 1 | 16,696 |
| 5906 | 1 | July 1 | 16 | 888,097 | 8 | 136,256 | 3 | 49,742 |
| 8207 | 5 | April 1 | 57 | 3,130,811 | 30 | 666,839 | 12 | 111,214 |
| 8201 | 5 | July 1 | 84 | 5,215,093 | 80 | 1,596,460 | 5 | 41,491 |
| 5004 | 2 | July 1 | 0 | 0 | 16 | 194,972 | 4 | 56,251 |
| 6335 | 2 | April 1 | 14 | 486,656 | 1 | 15,971 | 0 | 0 |
| 6114 | 1 | July 1 | 6 | 106,540 | 0 | 0 | 0 | 0 |
| 4709 | 1 | July 1 | 14 | 878,867 | 2 | 34,593 | 0 | 0 |
| 8205 | 11 | July 1 | 127 | 7,067,406 | 281 | 6,231,332 | 16 | 143,550 |
| 3107 | 1 | July 1 | 12 | 525,834 | 0 | 0 | 0 | 0 |
| 3201 | 5 | July 1 | 21 | 923,848 | 12 | 114,002 | 5 | 38,046 |
| 1803 | 1 | January 1 | 12 | 425,846 | 6 | 64,288 | 3 | 16,811 |
| 4716 | 1 | April 1 | 4 | 207,128 | 0 | 0 | 0 | 0 |
| 801 | 6 | July 1 | 70 | 2,320,357 | 59 | 733,158 | 9 | 37,944 |
| 7311 | 7 | January 1 | 335 | 11,899,000 | 192 | 1,482,052 | 70 | 421,135 |
| 4805 | 1 | January 1 | 71 | 2,628,793 | 51 | 576,559 | 11 | 61,394 |
| 310 | 1 | January 1 | 2 | 80,713 | 0 | 0 | 0 | 0 |
| 7012 | 1 | July 1 | 46 | 1,773,941 | 20 | 193,604 | 4 | 28,450 |
| 1707 | 6 | October 1 | 80 | 2,678,205 | 23 | 151,900 | 33 | 243,793 |
| 8227 | 1 | July 1 | 18 | 1,156,793 | 52 | 1,805,710 | 9 | 181,703 |
| 3001 | 9 | July 1 | 81 | 3,710,353 | 44 | 597,067 | 17 | 141,850 |
| 3004 | 2 | January 1 | 50 | 1,767,724 | 23 | 221,592 | 2 | 7,620 |
| 3005 | 2 | January 1 | 39 | 1,785,069 | 8 | 114,218 | 3 | 26,618 |
| 7001 | 9 | July 1 | 316 | 16,367,733 | 255 | 5,147,279 | 47 | 466,806 |
| 7006 | 1 | July 1 | 0 | 0 | 75 | 266,883 | 20 | 85,905 |
| 7014 | 1 | July 1 | 19 | 655,332 | 0 | 0 | 0 | 0 |
| 6317 | 3 | July 1 | 32 | 1,473,040 | 16 | 294,676 | 3 | 42,804 |
| 1304 | 2 | January 1 | 12 | 391,655 | 6 | 27,993 | 9 | 32,701 |
| 3102 | 7 | January 1 | 95 | 3,619,208 | 60 | 799,542 | 14 | 74,350 |
| 3103 | 1 | January 1 | 8 | 362,174 | 11 | 240,956 | 0 | 0 |
| 7203 | 1 | July 1 | 5 | 167,648 | 0 | 0 | 0 | 0 |
| 5902 | 2 | March 1 | 5 | 154,526 | 7 | 56,776 | 2 | 3,447 |
| 1106 | 1 | April 1 | 3 | 67,252 | 0 | 0 | 0 | 0 |
| 4702 | 4 | July 1 | 63 | 3,333,824 | 40 | 853,553 | 22 | 256,197 |
| 4714 | 2 | July 1 | 4 | 201,395 | 0 | 0 | 0 | 0 |
| 4707 | 1 | July 1 | 9 | 388,891 | 2 | 10,009 | 1 | 3,357 |
| 7004 | 4 | July 1 | 2 | 86,796 | 9 | 122,193 | 11 | 132,240 |
| 6303 | 6 | July 1 | 36 | 2,332,492 | 45 | 1,237,476 | 2 | 14,546 |
| 8224 | 3 | January 1 | 57 | 3,162,329 | 9 | 255,518 | 1 | 987 |
| 3204 | 5 | January 1 | 333 | 11,448,366 | 188 | 2,136,982 | 56 | 551,159 |
| 3202 | 3 | January 1 | 69 | 2,938,141 | 67 | 1,199,530 | 2 | 38,464 |
| 4404 | 2 | July 1 | 21 | 1,003,199 | 7 | 76,428 | 11 | 49,298 |
| 6328 | 1 | January 1 | 33 | 2,165,130 | 2 | 25,533 | 0 | 0 |
| 7905 | 1 | April 1 | 6 | 94,148 | 6 | 21,087 | 3 | 5,754 |
| 3303 | 24 | January 1 | 1,278 | 56,819,304 | 688 | 10,280,521 | 275 | 2,260,566 |
| 3302 | 4 | January 1 | 92 | 4,436,483 | 99 | 1,611,630 | 15 | 95,684 |
| 308 | 1 | October 1 | 6 | 219,527 | 0 | 0 | 0 | 0 |
| 3403 | 6 | July 1 | 55 | 2,589,693 | 27 | 453,105 | 11 | 112,132 |
| 3412 | 2 | July 1 | 5 | 153,430 | 1 | 6,991 | 0 | 0 |
| 3408 | 6 | January 1 | 61 | 2,647,053 | 3 | 43,879 | 7 | 52,697 |
| 3404 | 1 | January 1 | 41 | 1,763,406 | 38 | 694,567 | 1 | 7,396 |
| 3406 | 2 | October 1 | 4 | 152,165 | 1 | 28,870 | 0 | 0 |
| 3501 | 8 | January 1 | 229 | 6,367,154 | 103 | 789,499 | 31 | 183,511 |
| 3502 | 2 | January 1 | 39 | 1,521,651 | 21 | 252,766 | 1 | 9,990 |
| 3606 | 10 | January 1 | 311 | 8,816,274 | 141 | 775,313 | 29 | 137,844 |
| 3611 | 1 | October 1 | 4 | 170,858 | 2 | 5,218 | 2 | 3,879 |
| 3602 | 3 | January 1 | 26 | 1,041,098 | 45 | 520,887 | 1 | 14,616 |
| 2205 | 1 | July 1 | 5 | 204,186 | 2 | 13,121 | 1 | 8,881 |
| 2201 | 3 | July 1 | 27 | 1,096,548 | 45 | 711,224 | 3 | 19,194 |
| 3601 | 1 | July 1 | 26 | 968,514 | 29 | 210,639 | 3 | 5,829 |
| 3709 | 1 | October 1 | 12 | 438,777 | 0 | 0 | 1 | 24,790 |
| 3703 | 9 | October 1 | 254 | 9,310,653 | 118 | 1,181,175 | 62 | 413,248 |
| 3702 | 1 | October 1 | 40 | 1,543,355 | 39 | 513,962 | 4 | 36,544 |
| 5204 | 3 | January 1 | 33 | 1,171,618 | 37 | 528,328 | 6 | 48,541 |
| 5207 | 2 | January 1 | 5 | 202,039 | 1 | 5,007 | 1 | 6,750 |

MERS 12/31/2006 Valuation - Results by Municipality
Participant Information

| Municipality Name | Number | Divisions | Beginning | Actives | Salary | Retirees | In Force | Vesteds | Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ishpeming Township | 5216 | 1 | April 1 | 11 | 244,973 | 3 | 23,550 | 0 | 0 |
| Ithaca, City of | 2904 | 3 | July 1 | 11 | 428,217 | 14 | 200,489 | 5 | 31,189 |
| Jackson, Cty Transpor | 3805 | 2 | October 1 | 63 | 2,249,251 | 2 | 53,268 | 3 | 45,949 |
| Jackson District Lib | 3802 | 1 | January 1 | 39 | 1,479,170 | 20 | 163,738 | 9 | 56,034 |
| Jordan Valley Distri | 1507 | 1 | July 1 | 2 | 76,467 | 1 | 2,569 | 0 | 0 |
| Kalamazoo Lk, Sewer | 306 | 1 | March 1 | 8 | 328,613 | 2 | 21,266 | 4 | 13,621 |
| Kalamazoo Public Lib | 3903 | 2 | July 1 | 56 | 1,967,043 | 2 | 9,050 | 1 | 5,491 |
| Kalkaska, Village of | 4001 | 5 | March 1 | 14 | 535,861 | 7 | 165,548 | 1 | 213 |
| Kalkaska County | 4003 | 6 | January 1 | 96 | 2,927,848 | 37 | 335,738 | 17 | 118,408 |
| Kalkaska County Rd C | 4002 | 2 | January 1 | 33 | 1,123,414 | 34 | 505,498 | 2 | 12,459 |
| Kalkaska Public Tran | 4004 | 1 | October 1 | 15 | 225,428 | 5 | 75,813 | 5 | 25,321 |
| Keego Harbor, City o | 6322 | 2 | July 1 | 15 | 678,492 | 9 | 100,300 | 6 | 37,010 |
| Kent County CMH Auth | 4109 | 1 | October 1 | 110 | 5,893,828 | 5 | 166,105 | 10 | 117,834 |
| Keweenaw County | 4202 | 2 | January 1 | 19 | 571,743 | 6 | 36,435 | 2 | 12,873 |
| Keweenaw County Rd C | 4201 | 1 | January 1 | 21 | 813,214 | 14 | 245,945 | 0 | 0 |
| Kinde, Village of | 3209 | 1 | February 1 | 1 | 30,614 | 1 | 13,674 | 0 | 0 |
| Kingsford, City of | 2202 | 3 | July 1 | 22 | 838,246 | 16 | 165,767 | 2 | 2,040 |
| L'Anse, Village of | 705 | 1 | July 1 | 19 | 741,645 | 8 | 160,969 | 3 | 14,736 |
| Laingsburg, City of | 7608 | 1 | July 1 | 7 | 201,594 | 0 | 0 | 1 | 1,548 |
| Lake County | 4301 | 4 | January 1 | 123 | 3,782,751 | 28 | 159,925 | 24 | 64,372 |
| Lake County Rd Commi | 4302 | 1 | January 1 | 35 | 1,274,704 | 29 | 398,031 | 3 | 31,614 |
| Lakeland Library Coo | 4106 | 1 | October 1 | 11 | 441,097 | 1 | 12,416 | 0 | 0 |
| Lake Linden, Village | 3105 | 2 | March 1 | 8 | 252,945 | 3 | 15,304 | 3 | 17,595 |
| Lake Odessa, Village | 3402 | 1 | April 1 | 0 | 0 | 3 | 5,611 | 0 | 0 |
| Lake Orion, Village | 6318 | 4 | July 1 | 19 | 826,567 | 11 | 259,961 | 2 | 6,170 |
| Lakeshore Coordinati | 7007 | 1 | October 1 | 6 | 233,578 | 2 | 34,323 | 1 | 3,173 |
| Lansing Housing Comm | 3311 | 1 | July 1 | 49 | 1,946,221 | 16 | 247,922 | 8 | 66,538 |
| Lapeer, City of | 4401 | 5 | July 1 | 78 | 3,820,997 | 42 | 560,279 | 15 | 95,230 |
| Lapeer County | 4403 | 10 | January 1 | 703 | 23,105,837 | 209 | 2,010,704 | 95 | 584,050 |
| Lapeer County Rd Com | 4402 | 5 | January 1 | 60 | 2,748,943 | 49 | 625,922 | 3 | 26,568 |
| Lapeer District Libr | 4410 | 1 | January 1 | 25 | 816,687 | 12 | 110,192 | 2 | 1,983 |
| Lathrup Village, Cit | 6311 | 4 | July 1 | 18 | 984,077 | 14 | 322,452 | 1 | 27,839 |
| Laurium, Village of | 3104 | 2 | March 1 | 12 | 369,110 | 12 | 78,968 | 2 | 6,187 |
| Lawrence, Village of | 8004 | 2 | March 1 | 0 | 0 | 2 | 6,533 | 6 | 6,650 |
| Leelanau County | 4501 | 4 | January 1 | 116 | 4,509,580 | 33 | 410,433 | 20 | 153,825 |
| Leelanau County Rd C | 4503 | 1 | January 1 | 41 | 1,456,425 | 13 | 129,780 | 4 | 37,037 |
| Leoni Township | 3804 | 2 | July 1 | 35 | 1,437,814 | 11 | 180,193 | 7 | 49,263 |
| Leslie, City of | 3313 | 3 | July 1 | 9 | 377,854 | 3 | 37,193 | 2 | 7,873 |
| Leslie Township | 3319 | 1 | July 1 | 3 | 84,267 | 0 | 0 | 0 | 0 |
| Lexington, Village o | 7708 | 2 | July 1 | 14 | 473,097 | 2 | 22,859 | 0 | 0 |
| Library Network | 8218 | 3 | October 1 | 34 | 1,186,935 | 20 | 167,769 | 9 | 102,583 |
| Lima Township | 8112 | 1 | April 1 | 6 | 87,302 | 3 | 3,995 | 0 | 0 |
| Litchfield, City of | 3006 | 1 | July 1 | 12 | 423,456 | 0 | 0 | 0 | 0 |
| Livingston County | 4703 | 8 | January 1 | 503 | 23,335,744 | 208 | 2,815,476 | 81 | 601,987 |
| Livingston County CM | 4712 | 1 | October 1 | 111 | 4,849,096 | 18 | 171,851 | 32 | 247,668 |
| Livingston County Rd | 4701 | 2 | January 1 | 68 | 3,376,715 | 47 | 569,561 | 7 | 127,355 |
| LMAS Dist Hlth Depar | 4803 | 2 | October 1 | 91 | 2,926,587 | 46 | 266,539 | 116 | 397,683 |
| Looking Glass Region | 2311 | 1 | January 1 | 3 | 140,738 | 0 | 0 | 1 | 710 |
| Loutit District Libr | 7013 | 1 | July 1 | 16 | 530,772 | 2 | 27,456 | 0 | 0 |
| Lowell, City of | 4104 | 3 | July 1 | 42 | 2,172,313 | 19 | 342,657 | 5 | 71,754 |
| Luce County | 4804 | 2 | January 1 | 35 | 980,921 | 18 | 154,674 | 16 | 47,457 |
| Luce County Rd Commi | 4801 | 4 | January 1 | 24 | 883,805 | 29 | 350,504 | 2 | 27,552 |
| Ludington, City of | 5302 | 1 | January 1 | 54 | 1,988,160 | 57 | 842,030 | 8 | 81,079 |
| Ludington-Mason Dist | 5303 | 1 | January 1 | 11 | 276,275 | 4 | 31,082 | 0 | 0 |
| Luna Pier, City of | 5802 | 2 | July 1 | 7 | 269,405 | 12 | 254,021 | 0 | 0 |
| Lyons, Village of | 3411 | 1 | March 1 | 3 | 94,389 | 0 | 0 | 0 | 0 |
| Mackinac Co. Housing | 4905 | 1 | July 1 | 2 | 32,215 | 1 | 19,600 | 0 | 0 |
| Mackinac County | 4901 | 5 | January 1 | 50 | 1,752,275 | 58 | 324,644 | 27 | 123,509 |
| Mackinac County Rd C | 4903 | 2 | January 1 | 22 | 844,312 | 27 | 271,152 | 6 | 28,249 |
| Mackinac Strts Hosp | 4902 | 1 | July 1 | 194 | 7,366,087 | 29 | 220,715 | 11 | 55,955 |
| Madison Heights, Cit | 6308 | 6 | July 1 | 99 | 5,190,597 | 99 | 1,652,382 | 18 | 212,905 |
| Madison Township | 4605 | 1 | January 1 | 11 | 447,972 | 4 | 30,794 | 1 | 9,825 |
| Manistee, City of | 5105 | 5 | July 1 | 56 | 2,443,941 | 46 | 765,798 | 0 | 0 |
| Manistee Cnty Rd Com | 5103 | 3 | January 1 | 38 | 1,467,030 | 29 | 471,141 | 5 | 58,234 |
| Manistee County | 5101 | 11 | January 1 | 272 | 9,155,329 | 114 | 941,244 | 50 | 232,197 |
| Manistee Housing Com | 5107 | 1 | January 1 | 7 | 267,847 | 1 | 2,233 | 1 | 6,975 |
| Manistique, City of | 7504 | 3 | July 1 | 28 | 1,171,801 | 27 | 463,924 | 1 | 963 |
| Manlius Township | 311 | 1 | April 1 | 6 | 100,101 | 0 | 0 | 0 | 0 |
| Manton, City of | 8304 | 2 | December 1 | 7 | 244,579 | 7 | 98,530 | 2 | 10,368 |
| Marenisco Township | 2704 | 1 | April 1 | 4 | 119,762 | 0 | 0 | 0 | 0 |
| Marine City, City of | 7704 | 2 | July 1 | 0 | 0 | 4 | 5,322 | 0 | 0 |
| Marion, Village of | 6704 | 2 | March 1 | 6 | 168,561 | 4 | 19,769 | 2 | 1,851 |
| Marlette, City of | 7405 | 1 | July 1 | 11 | 427,873 | 0 | 0 | 1 | 3,055 |
| Marquette, City of | 5201 | 12 | July 1 | 134 | 5,197,495 | 100 | 1,708,312 | 15 | 143,453 |
| Marquette Brd of Lig | 5209 | 5 | July 1 | 60 | 3,467,875 | 89 | 1,749,698 | 3 | 54,578 |
| Marquette Charter To | 5215 | 2 | January 1 | 14 | 597,845 | 1 | 7,158 | 2 | 18,389 |

MERS 12/31/2006 Valuation - Results by Municipality

| Municipality Name | Number | $\begin{gathered}\text { Number } \\ \text { of } \\ \text { Divisions }\end{gathered}$ | Fiscal Year Beginning | $\begin{gathered} \begin{array}{c} \text { Number } \\ \text { of } \\ \text { Actives } \end{array} \end{gathered}$ | Active <br> Salary | $\begin{aligned} & \begin{array}{l} \text { Number } \\ \text { of } \\ \text { Retirees } \end{array} \end{aligned}$ | Annual <br> Benefits <br> In Force | Number <br> Deferred Vesteds | Annual <br> Deferred <br> Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Marquette Cnty Trans | 5206 | 2 | October 1 | 22 | 688,696 | 6 | 62,465 | 2 | 11,136 |
| Marquette County | 5202 | 13 | January 1 | 361 | 11,359,064 | 198 | 2,861,262 | 58 | 379,227 |
| Marquette County Air | 5210 | 2 | January 1 | 7 | 275,851 | 6 | 108,093 | 1 | 5,143 |
| Marquette County Rd | 5211 | 5 | January 1 | 69 | 2,614,929 | 51 | 1,019,992 | 8 | 53,993 |
| Marquette Waste Mgmt | 5213 | 4 | July 1 | 9 | 464,056 | 1 | 22,426 | 4 | 36,861 |
| Marshall, City of | 1306 | 5 | July 1 | 91 | 4,091,944 | 66 | 1,310,761 | 11 | 107,276 |
| Marshall Area Fire/A | 1313 | 1 | July 1 | 13 | 487,797 | 0 | 0 | 0 | 0 |
| Marshall District Li | 1309 | 1 | July 1 | 0 | 0 | 1 | 24,483 | 0 | 0 |
| Mason, City of | 3304 | 4 | July 1 | 45 | 2,037,410 | 24 | 534,989 | 6 | 37,299 |
| Mason County | 5301 | 6 | January 1 | 168 | 5,671,025 | 138 | 1,520,790 | 52 | 391,948 |
| Mason County Road Co | 5305 | 2 | January 1 | 37 | 1,385,405 | 9 | 137,482 | 1 | 8,025 |
| Mason-Oceana Cty Enh | 6403 | 2 | January 1 | 17 | 561,964 | 1 | 8,085 | 0 | 0 |
| Mastodon Township | 3613 | 1 | April 1 | 0 | 0 | 1 | 5,013 | 0 | 0 |
| MBS International Ai | 902 | 3 | January 1 | 26 | 1,052,213 | 15 | 352,253 | 2 | 24,842 |
| Meceola Central Disp | 5405 | 1 | July 1 | 17 | 595,261 | 2 | 15,236 | 3 | 13,814 |
| Mecosta County | 5403 | 9 | January 1 | 89 | 3,375,889 | 84 | 815,590 | 44 | 290,256 |
| Mecosta County Gener | 5404 | 2 | January 1 | 0 | 0 | 83 | 534,596 | 126 | 526,598 |
| Mecosta County Rd Co | 5401 | 3 | January 1 | 49 | 1,704,406 | 40 | 387,419 | 4 | 24,340 |
| Melvindale, City of | 8215 | 7 | January 1 | 63 | 3,816,093 | 56 | 1,385,821 | 4 | 64,460 |
| Melvindale Housing C | 8220 | 1 | January 1 | 7 | 246,672 | 1 | 14,685 | 2 | 14,875 |
| Menominee, City of | 5501 | 3 | September 1 | 48 | 1,703,677 | 42 | 341,339 | 12 | 81,098 |
| Menominee County | 5502 | 8 | October 1 | 89 | 3,426,736 | 64 | 532,679 | 14 | 82,424 |
| Menominee County Rd | 5503 | 3 | January 1 | 14 | 601,186 | 9 | 126,873 | 0 | 0 |
| Meridian Charter Tow | 3315 | 6 | January 1 | 133 | 6,803,481 | 30 | 1,049,275 | 18 | 150,631 |
| Metamora Township | 4409 | 1 | April 1 | 7 | 309,409 | 0 | 0 | 0 | 0 |
| Mich. Grand River Wa | 3306 | 1 | January 1 | 0 | 0 | 1 | 2,897 | 0 | 0 |
| Mich S Cntrl Pwr Age | 3002 | 3 | July 1 | 44 | 2,547,127 | 14 | 239,948 | 12 | 121,989 |
| Middleville, Village | 803 | 3 | January 1 | 8 | 350,681 | 5 | 21,070 | 2 | 6,453 |
| Midland, City of | 5601 | 5 | July 1 | 248 | 12,537,515 | 237 | 5,440,461 | 22 | 375,974 |
| Midland Auth for Cen | 5604 | 2 | January 1 | 18 | 744,608 | 1 | 2,811 | 0 | 0 |
| Midland County Road | 5602 | 3 | January 1 | 43 | 1,932,007 | 46 | 773,393 | 1 | 7,140 |
| Mid Michigan Dist Hl | 5901 | 5 | October 1 | 83 | 3,148,011 | 35 | 264,140 | 18 | 124,442 |
| Mid-Michigan Library | 8306 | 1 | October 1 | 5 | 173,995 | 1 | 16,247 | 1 | 8,582 |
| Mid Peninsula Lbry C | 3609 | 1 | October 1 | 0 | 0 | 5 | 26,874 | 1 | 9,643 |
| Milan, City of | 5801 | 6 | July 1 | 25 | 1,233,706 | 23 | 472,112 | 7 | 87,977 |
| Milan Library | 5806 | 1 | July 1 | 3 | 113,743 | 1 | 16,271 | 0 | 0 |
| Milford, Village of | 6313 | 6 | July 1 | 31 | 1,901,777 | 19 | 395,804 | 6 | 46,252 |
| Millington, Village | 7904 | 3 | March 1 | 4 | 171,120 | 3 | 42,935 | 2 | 39,703 |
| MI Mun Emplys Ret Sy | 2308 | 1 | January 1 | 89 | 5,374,269 | 9 | 83,857 | 1 | 2,979 |
| MI Municipal Risk Mg | 8237 | 1 | July 1 | 1 | 193,698 | 0 | 0 | 0 | 0 |
| Missaukee County | 5702 | 2 | January 1 | 29 | 1,139,818 | 5 | 48,293 | 1 | 14,510 |
| M O A Solid Waste Mg | 6002 | 1 | January 1 | 6 | 189,255 | 2 | 37,237 | 0 | 0 |
| Monroe Housing Commi | 5808 | 1 | October 1 | 6 | 204,589 | 3 | 86,456 | 0 | 0 |
| Montague, City of | 6112 | 2 | July 1 | 16 | 794,117 | 3 | 43,061 | 3 | 28,868 |
| Montcalm County Rd C | 5905 | 2 | October 1 | 50 | 1,919,975 | 32 | 655,993 |  | 20,851 |
| Montmorency County | 6001 | 3 | January 1 | 58 | 1,683,349 | 50 | 366,923 | 11 | 59,591 |
| Montrose, City of | 2509 | 2 | July 1 | 6 | 215,846 | 2 | 26,609 |  | 31,043 |
| Mt. Morris, Township | 2503 | 4 | April 1 | 56 | 3,007,034 | 35 | 778,787 | 8 | 66,578 |
| Mt. Pleasant, City o | 3701 | 3 | January 1 | 103 | 4,015,854 | 55 | 797,038 | 19 | 131,163 |
| Muir, Village of | 3405 | 1 | March 1 | 3 | 108,442 | 2 | 23,841 |  | 0 |
| Mundy,Charter Townsh | 2517 | 1 | January 1 | 19 | 1,041,856 | 1 | 45,969 | 0 | 0 |
| Munising, City of | 202 | 4 | July 1 | 25 | 899,498 | 23 | 295,382 |  | 23,055 |
| Muskegon, City of | 6116 | 8 | January 1 | 149 | 7,978,933 | 308 | 4,603,969 | 31 | 404,422 |
| Muskegon County | 6103 | 15 | October 1 | 1,130 | 46,303,903 | 569 | 6,772,328 | 200 | 1,700,173 |
| Muskegon County Rd C | 6101 | 5 | January 1 | 83 | 3,371,525 | 85 | 1,481,986 | 13 | 90,930 |
| Muskegon Heights, Ci | 6102 | 8 | July 1 | 80 | 3,547,340 | 107 | 2,029,165 | 16 | 113,392 |
| Muskegon Heights Hou | 6115 | 1 | April 1 | 10 | 337,031 | 2 | 24,466 | 0 | 0 |
| Muskegon Housing Com | 6113 | 1 | October 1 | 7 | 254,126 | 0 | 0 | 0 | 0 |
| Negaunee, City of | 5203 | 2 | January 1 | 37 | 1,465,338 | 36 | 506,901 | 1 | 9,915 |
| Negaunee Township | 5217 | 1 | April 1 | 4 | 141,936 | 0 | 0 | 0 | 0 |
| NE Ottawa Dist Libra | 7011 | 2 | July 1 | 3 | 105,297 | 1 | 11,373 | 0 | 0 |
| Newaygo County | 6201 | 8 | January 1 | 80 | 3,127,892 | 78 | 928,439 | 21 | 101,094 |
| Newaygo Cty Mental H | 6207 | 1 | October 1 | 3 | 213,703 | 4 | 90,532 | 2 | 25,137 |
| Newaygo Medical Care | 6204 | 4 | January 1 | 146 | 4,026,583 | 78 | 483,421 | 21 | 105,022 |
| Newaygo Soil/Wtr C | 6205 | 1 | September 1 | 3 | 91,039 | 0 | 0 | 1 | 5,271 |
| Newberry, Village of | 4802 | 5 | January 1 | 20 | 691,707 | 20 | 214,123 | 4 | 17,997 |
| N Houghton Cnty Wtr | 3106 | 1 | January 1 | 4 | 125,167 | 0 | 0 | 0 | 0 |
| Niles District Libra | 1105 | 1 | October 1 | 14 | 419,143 | 0 | 0 | 0 | 0 |
| N Muskegon, City of | 6104 | 3 | December 1 | 17 | 769,712 | 15 | 261,766 | 4 | 12,635 |
| No. Mich. Comm. Mntl | 2403 | 1 | January 1 | 0 | - | 1 | 5,300 | 0 | 0 |
| Northfield Township | 8117 | 1 | July 1 | 11 | 487,705 | 0 | 0 | 0 | 0 |
| Northport, Village o | 4502 | 1 | April 1 | 0 | 0 | 1 | 192 | 0 | 0 |
| Northville, City of | 8208 | 6 | July 1 | 32 | 1,982,054 | 45 | 921,678 | 9 | 47,864 |
| Northville District | 8229 | 1 | December 1 | 13 | 589,041 | 4 | 38,230 | 4 | 21,912 |
| Northville Township | 8230 | 3 | January 1 | 73 | 4,582,370 | 5 | 203,189 | 0 | 0 |
| Northwestern Reg Arp | 2805 | 2 | January 1 | 20 | 874,363 | 5 | 51,632 | 3 | 31,409 |

MERS 12/31/2006 Valuation - Results by Municipality
Participant Information

| Municipality Name | Number | Number of Divisions | Fiscal Year Beginning | $\begin{gathered} \text { Number } \\ \text { of } \\ \underline{\text { Actives }} \end{gathered}$ | Active Salary | Number of Retirees | Annual Benefits In Force | Number Deferred Vesteds | Annual Deferred Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northwest MI Comm HA | 1502 | 1 | January 1 | 20 | 875,025 | 26 | 186,234 | 11 | 73,501 |
| Norton Shores, City | 6106 | 7 | July 1 | 98 | 5,179,608 | 67 | 1,580,629 | 8 | 43,988 |
| Norway, City of | 2204 | 4 | July 1 | 31 | 1,506,267 | 42 | 820,150 | 0 | 0 |
| Novi, City of | 6320 | 9 | July 1 | 262 | 15,488,975 | 72 | 2,172,759 | 36 | 455,820 |
| N Pointe Behavioral | 2207 | 4 | October 1 | 72 | 3,152,146 | 14 | 141,118 | 26 | 167,292 |
| Nrthrn Lakes Comm MH | 2808 | 3 | January 1 | 61 | 2,641,565 | 52 | 808,062 | 25 | 203,324 |
| Oceana County | 6402 | 5 | January 1 | 333 | 10,615,099 | 90 | 787,793 | 26 | 147,037 |
| Oceola Township | 4717 | 1 | July 1 | 14 | 298,770 | 0 | 0 | 0 | 0 |
| Ogemaw County | 6502 | 5 | January 1 | 112 | 3,438,846 | 62 | 620,916 | 20 | 120,270 |
| Ogemaw County EMS Au | 6508 | 2 | October 1 | 15 | 534,659 | 1 | 8,623 | 0 | 0 |
| Ogemaw County Rd Com | 6503 | 2 | January 1 | 34 | 1,224,494 | 31 | 389,934 | 2 | 16,239 |
| Olive Township | 7009 | 1 | April 1 | 3 | 65,661 | 2 | 8,110 | 0 | 0 |
| Onaway, City of | 7105 | 2 | April 1 | 6 | 213,856 | 1 | 8,890 | 3 | 5,542 |
| Ontonagon, Village o | 6603 | 3 | April 1 | 11 | 419,494 | 13 | 113,066 | 3 | 11,458 |
| Ontonagon Cnty Econ | 6605 | 1 | January 1 | 0 | 0 | 1 | 10,371 | 0 | 0 |
| Ontonagon County | 6602 | 3 | January 1 | 50 | 1,475,917 | 25 | 215,903 | 14 | 62,574 |
| Ontonagon County Rd | 6604 | 1 | January 1 | 47 | 1,834,676 | 37 | 560,952 | 1 | 12,229 |
| Ontonagon Memorial H | 6601 | 1 | April 1 | 163 | 5,898,206 | 81 | 603,703 | 9 | 52,376 |
| Orchard Lake, City o | 6312 | 4 | July 1 | 12 | 732,677 | 7 | 98,628 | 2 | 18,594 |
| Osceola County | 6701 | 4 | January 1 | 111 | 3,943,518 | 48 | 346,507 | 28 | 144,403 |
| Osceola County Rd Co | 6703 | 2 | January 1 | 30 | 1,100,074 | 32 | 337,128 | 2 | 23,648 |
| Oscoda Charter Towns | 3503 | 2 | January 1 | 12 | 557,284 | 4 | 55,227 | 2 | 18,615 |
| Oscoda County | 6801 | 5 | January 1 | 55 | 1,494,480 | 31 | 283,891 | 16 | 117,694 |
| Otisville, Village o | 2506 | 2 | July 1 | 4 | 149,113 | 2 | 27,767 | 1 | 8,199 |
| Otsego County | 6902 | 9 | January 1 | 166 | 5,342,789 | 57 | 588,423 | 44 | 284,412 |
| Otsego County Rd Com | 6901 | 1 | January 1 | 43 | 1,608,666 | 37 | 344,960 | 3 | 24,253 |
| Ottawa County | 7003 | 15 | January 1 | 955 | 40,525,474 | 282 | 4,096,325 | 142 | 1,359,430 |
| Ottawa County Cntrl | 7008 | 2 | January 1 | 10 | 431,536 | 5 | 46,939 | 5 | 33,155 |
| Ottawa County Rd Com | 7002 | 3 | October 1 | 135 | 6,272,650 | 118 | 2,010,821 | 7 | 53,850 |
| Otter Lake, Village | 4408 | 1 | March 1 | 1 | 30,044 | 0 | 0 | 0 | 0 |
| Owosso, City of | 7607 | 2 | July 1 | 7 | 357,822 | 10 | 216,636 | 0 | 0 |
| Oxford, Village of | 6326 | 1 | July 1 | 18 | 757,976 | 5 | 124,938 | 1 | 1,154 |
| Oxford Public, Fire | 6327 | 1 | January 1 | 13 | 545,323 | 12 | 293,787 | 4 | 33,220 |
| Parchment, City of | 3901 | 1 | January 1 | 12 | 491,139 | 10 | 92,526 | 1 | 6,407 |
| Pathways(Spr.Bhvl.Mn | 5214 | 7 | October 1 | 127 | 5,560,215 | 144 | 2,198,721 | 84 | 528,486 |
| Paw Paw, Village of | 8002 | 4 | March 1 | 33 | 1,377,429 | 14 | 286,255 | 3 | 28,772 |
| Paw Paw Lk Reg Jnt S | 1103 | 1 | April 1 | 6 | 229,901 | 3 | 19,326 | 0 | 0 |
| Pellston, Village of | 2404 | 1 | January 1 | 3 | 67,861 | 0 | 0 | 0 | 0 |
| Pennfield Charter To | 1312 | 1 | April 1 | 14 | 558,495 | 3 | 42,372 | 0 | 0 |
| Pentwater, Village o | 6401 | 2 | April 1 | 9 | 372,329 | 6 | 53,301 | 4 | 17,998 |
| Perrinton, Village o | 2909 | 1 | March 1 | 1 | 31,627 | 0 | 0 | 0 | 0 |
| Petersburg, City of | 5807 | 1 | July 1 | 6 | 202,097 | 0 | 0 | 0 | 0 |
| Petoskey, City of | 2402 | 4 | January 1 | 70 | 3,574,398 | 62 | 772,048 | 12 | 156,233 |
| Pewamo, Village of | 3407 | 1 | April 1 | 2 | 73,297 | 0 | 0 | 0 | 0 |
| Pigeon, Village of | 3203 | 2 | March 1 | 6 | 218,596 | 3 | 50,122 | 2 | 11,993 |
| Pinckney, Village of | 4706 | 2 | March 1 | 9 | 385,899 | 2 | 40,697 | 3 | 6,645 |
| Pinconning, City of | 904 | 3 | July 1 | 13 | 414,435 | 15 | 109,502 | 1 | 7,443 |
| Pittsfield Charter T | 8110 | 8 | January 1 | 124 | 6,008,307 | 14 | 203,389 | 16 | 158,709 |
| Pleasant Ridge, City | 6301 | 4 | July 1 | 9 | 498,713 | 14 | 257,857 | 12 | 63,762 |
| Plymouth, City of | 8202 | 6 | July 1 | 6 | 408,676 | 62 | 1,200,623 | 12 | 81,502 |
| Plymouth District Li | 8221 | 1 | January 1 | 14 | 775,666 | 3 | 28,155 | 0 | 0 |
| Plymouth Township | 8238 | 3 | January 1 | 66 | 4,414,902 | 5 | 249,065 | 0 | 0 |
| Port Austin, Village | 3208 | 1 | March 1 | 5 | 149,659 | 2 | 10,864 | 2 | 1,589 |
| Port Austin Area Swr | 3210 | 1 | March 1 | 0 | 0 | 0 | 0 | 2 | 10,644 |
| Port Huron, City of | 7702 | 9 | July 1 | 345 | 17,465,971 | 314 | 7,122,696 | 33 | 411,033 |
| Port Huron Charter T | 7711 | 1 | January 1 | 18 | 741,687 | 1 | 24,120 | 0 | 0 |
| Portland, City of | 3401 | 3 | July 1 | 34 | 1,704,351 | 29 | 448,370 | 7 | 49,171 |
| Port Sanilac, Villag | 7403 | 2 | July 1 | 6 | 199,289 | 1 | 14,329 | 2 | 10,436 |
| Presque Isle Cnty Rd | 7101 | 2 | January 1 | 27 | 956,668 | 42 | 517,026 | 0 | 0 |
| Presque Isle County | 7104 | 5 | January 1 | 70 | 1,993,029 | 38 | 287,902 | 13 | 49,082 |
| PRIDE Youth Programs | 6210 | 1 | October 1 | 2 | 130,526 | 0 | 0 | 0 | 0 |
| Ravenna, Village of | 6111 | 1 | January 1 | 4 | 161,704 | 0 | 0 | 1 | 5,749 |
| Reading, City of | 3003 | 1 | July 1 | 5 | 154,375 | 3 | 6,374 | 3 | 2,411 |
| Redford Township | 8209 | 2 | April 1 | 128 | 5,788,814 | 125 | 2,086,426 | 28 | 283,215 |
| Redford Twp Dist Lib | 8228 | 1 | April 1 | 13 | 455,168 | 4 | 84,187 | 1 | 1,372 |
| Reed City, City of | 6702 | 2 | July 1 | 24 | 932,088 | 21 | 177,721 | 12 | 58,530 |
| Richfield Township(G | 2514 | 2 | July 1 | 14 | 615,143 | 1 | 24,246 | 1 | 3,920 |
| Richfield Twp(Roscom | 7202 | 2 | April 1 | 11 | 340,455 | 9 | 117,730 | 4 | 13,588 |
| Richland Township | 7310 | 2 | April 1 | 12 | 416,198 | 3 | 53,080 | 2 | 1,360 |
| Rochester, City of | 6307 | 4 | July 1 | 57 | 3,280,051 | 29 | 534,517 | 4 | 28,667 |
| Rockford, City of | 4103 | 4 | July 1 | 36 | 1,703,391 | 9 | 101,073 | 10 | 110,716 |
| Rockwood, City of | 5810 | 2 | July 1 | 17 | 843,358 | 2 | 31,478 | 0 | 0 |
| Rogers City, City of | 7102 | 3 | July 1 | 28 | 1,009,518 | 21 | 406,424 | 5 | 25,391 |
| Romeo, Village of | 5005 | 4 | July 1 | 27 | 1,196,516 | 11 | 121,392 | 7 | 44,570 |
| Romeo District Libra | 5006 | 2 | July 1 | 16 | 502,346 | 7 | 98,833 | 4 | 52,069 |
| Romulus, City of | 8225 | 5 | July 1 | 79 | 5,358,087 | 28 | 1,288,918 | 1 | 3,980 |

MERS 12/31/2006 Valuation - Results by Municipality
Participant Information

| Municipality Name | Number | Number of Divisions | Fiscal Year Beginning | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { Actives } \end{aligned}$ | Active Salary | Number of Retirees | Annual Benefits <br> In Force | Number Deferred Vesteds | Annual Deferred Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Roosevelt Park, City | 6107 | 4 | December 1 | 16 | 785,016 | 12 | 160,358 | 6 | 45,901 |
| Roscommon County | 7201 | 4 | January 1 | 142 | 4,774,659 | 50 | 553,560 | 24 | 141,888 |
| Roscommon County Tra | 7205 | 1 | October 1 | 20 | 565,362 | 2 | 18,335 | 1 | 15,614 |
| Rose City, City of | 6504 | 1 | July 1 | 3 | 89,925 | 2 | 18,150 | 4 | 8,912 |
| Rose Township | 6506 | 1 | April 1 | 5 | 40,300 | 5 | 4,518 | 0 | 0 |
| Royal Oak Township | 6306 | 5 | January 1 | 13 | 346,601 | 15 | 190,860 | 2 | 11,813 |
| Saginaw, City of | 7301 | 5 | July 1 | 175 | 8,307,523 | 442 | 9,473,026 | 21 | 342,834 |
| Saginaw Cnty Comm MH | 7318 | 5 | October 1 | 39 | 1,327,155 | 58 | 814,220 | 38 | 278,345 |
| Saginaw Co 911 Comm | 7316 | 4 | October 1 | 20 | 1,120,505 | 12 | 284,887 | 6 | 57,742 |
| Saginaw County | 7303 | 21 | October 1 | 246 | 11,662,175 | 449 | 6,248,771 | 84 | 552,934 |
| Saginaw County Rd Co | 7304 | 4 | January 1 | 79 | 3,491,129 | 94 | 1,519,765 | 7 | 92,066 |
| Saginaw Housing Comm | 7321 | 2 | July 1 | 18 | 808,951 | 1 | 12,944 | 1 | 27,648 |
| Saginaw Midland Mun | 7305 | 2 | July 1 | 11 | 579,893 | 16 | 226,216 | 0 | 0 |
| Saginaw Public Libra | 7317 | 1 | July 1 | 20 | 778,711 | 0 | 0 | 1 | 1,620 |
| Saginaw Transit Syst | 7319 | 1 | October 1 | 11 | 507,909 | 0 | 0 | 6 | 53,297 |
| Saginaw Twp Police D | 7314 | 1 | April 1 | 34 | 1,784,130 | 13 | 524,498 | 4 | 29,480 |
| Saline, City of | 8105 | 4 | July 1 | 67 | 3,532,470 | 45 | 817,538 | 12 | 92,824 |
| Sandusky, City of | 7402 | 3 | March 1 | 23 | 947,463 | 8 | 99,815 | 1 | 16,354 |
| Sandusky District Li | 7404 | 1 | January 1 | 2 | 62,296 | 0 | 0 | 1 | 4,656 |
| Saranac Housing Comm | 3413 | 1 | April 1 | 5 | 146,936 | 1 | 17,005 | 0 | 0 |
| Saugatuck, City of | 307 | 1 | July 1 | 4 | 150,494 | 4 | 15,768 | 6 | 47,106 |
| Saugatuck Township | 305 | 2 | July 1 | 7 | 249,042 | 5 | 81,806 | 1 | 2,400 |
| Sault Ste. Marie, Ci | 1701 | 5 | July 1 | 85 | 3,381,141 | 66 | 971,035 | 6 | 42,857 |
| Sault Ste. Marie Hou | 4906 | 1 | April 1 | 11 | 387,442 | 0 | 0 | 0 | 0 |
| Schoolcraft County | 7503 | 8 | October 1 | 193 | 5,090,532 | 71 | 795,434 | 18 | 88,847 |
| Schoolcraft County R | 7501 | 1 | January 1 | 26 | 1,161,701 | 35 | 608,836 | 1 | 10,717 |
| Schoolcraft Memorial | 7505 | 5 | January 1 | 70 | 2,770,543 | 58 | 721,837 | 19 | 162,956 |
| Scio Townshio | 8116 | 1 | April 1 | 4 | 183,171 | 0 | 0 | 0 | 0 |
| S Clinton Co Mun Uti | 1905 | 2 | January 1 | 17 | 726,301 | 3 | 14,226 | 4 | 26,851 |
| Sebewaing, Village o | 3205 | 4 | April 1 | 21 | 927,927 | 18 | 314,926 | 2 | 10,180 |
| SE Oakland Co Resre | 6310 | 2 | July 1 | 19 | 730,343 | 26 | 371,658 | 6 | 49,971 |
| SE Oakland Co Water | 6309 | 2 | July 1 | 24 | 1,296,844 | 18 | 352,472 | 2 | 4,216 |
| Shepherd, Village of | 3704 | 2 | March 1 | 6 | 206,581 | 1 | 8,860 | 1 | 3,776 |
| Shiawassee Council o | 7605 | 1 | January 1 | 8 | 189,455 | 3 | 12,858 | 0 | 0 |
| Shiawassee County | 7602 | 19 | January 1 | 485 | 16,007,827 | 245 | 3,438,172 | 94 | 743,901 |
| Shiawassee County CM | 7609 | 3 | October 1 | 83 | 3,151,692 | 27 | 280,057 | 58 | 239,329 |
| Shiawassee County Rd | 7601 | 5 | January 1 | 46 | 2,025,001 | 47 | 916,133 | 4 | 26,486 |
| Shiawassee District | 7606 | 1 | December 1 | 6 | 281,340 | 1 | 22,959 | 1 | 9,577 |
| Sims Whitney Utiliti | 606 | 1 | July 1 | 2 | 60,128 | 0 | 0 | 1 | 2,940 |
| SMART | 8216 | 6 | July 1 | 928 | 42,543,387 | 447 | 5,516,628 | 180 | 1,365,151 |
| Southeast MI Council | 8210 | 1 | July 1 | 76 | 4,438,314 | 37 | 806,870 | 27 | 262,537 |
| South Haven, City of | 8001 | 6 | July 1 | 78 | 3,577,067 | 73 | 1,035,344 | 3 | 23,285 |
| South Haven Emer Ser | 8005 | 2 | January 1 | 13 | 732,540 | 1 | 26,844 | 0 | 0 |
| South Lyon, City of | 6315 | 4 | July 1 | 49 | 2,610,258 | 16 | 203,245 | 4 | 17,313 |
| Sparta, Village of | 4107 | 4 | January 1 | 19 | 909,281 | 5 | 106,955 | 2 | 7,735 |
| Springfield, City of | 1303 | 4 | July 1 | 34 | 1,748,438 | 31 | 482,726 | 6 | 34,579 |
| Spring Lake District | 7016 | 1 | January 1 | 8 | 261,717 | 0 | 0 | 0 | 0 |
| St. Charles, Village | 7308 | 2 | April 1 | 10 | 451,551 | 5 | 69,073 | 3 | 18,528 |
| St. Clair, City of | 7703 | 6 | October 1 | 42 | 2,185,121 | 35 | 427,834 | 6 | 62,600 |
| St. Clair Area Fire | 7710 | 1 | October 1 | 1 | 44,303 | 0 | 0 | 0 | 0 |
| St. Ignace, City of | 4904 | 3 | January 1 | 35 | 1,259,745 | 17 | 217,081 | 4 | 26,178 |
| St. Johns, City of | 1902 | 2 | July 1 | 37 | 1,732,517 | 32 | 661,257 | 6 | 53,082 |
| St. Louis, City of | 2902 | 4 | July 1 | 13 | 654,213 | 30 | 429,130 | 8 | 53,310 |
| Stambaugh Township | 3615 | 1 | April 1 | 1 | 33,432 | 1 | 5,302 | 0 | 0 |
| Standish, City of | 601 | 1 | July 1 | 4 | 226,050 | 7 | 87,960 | 5 | 34,187 |
| Stanton, City of | 5903 | 1 | March 1 | 0 | 0 | 1 | 1,229 | 1 | 5,612 |
| St Clair Shores Hous | 5007 | 1 | January 1 | 9 | 400,586 | 5 | 87,917 | 1 | 11,556 |
| Stephenson, City of | 5504 | 1 | July 1 | 3 | 101,471 | 1 | 9,822 | 0 | 0 |
| Sterling, Village of | 605 | 1 | April 1 | 1 | 31,127 | 1 | 4,976 | 0 | 0 |
| St Joseph County | 7803 | 2 | January 1 | 45 | 2,119,734 | 15 | 311,208 | 6 | 62,205 |
| St Louis Housing Com | 2908 | 1 | July 1 | 4 | 147,718 | 0 | 0 | 0 | 0 |
| Stockbridge, Village | 3316 | 1 | July 1 | 5 | 252,001 | 2 | 29,821 | 1 | 1,757 |
| Summit Township | 3803 | 2 | April 1 | 36 | 1,499,371 | 15 | 312,858 | 1 | 15,849 |
| Sumpter Township | 8226 | 2 | April 1 | 14 | 760,711 | 4 | 86,349 | 0 | 0 |
| Superior Charter Tow | 8109 | 2 | January 1 | 24 | 1,369,100 | 3 | 90,664 | 0 | 0 |
| Superiorland Lbry Co | 5208 | 1 | October 1 | 3 | 112,275 | 0 | 0 | 1 | 4,390 |
| Swan Creek Township | 7309 | 1 | April 1 | 6 | 117,632 | 2 | 3,831 | 0 | 0 |
| Swartz Creek, City o | 2504 | 3 | July 1 | 14 | 746,497 | 15 | 449,699 | 1 | 7,627 |
| Sylvan Lake, City of | 6314 | 2 | July 1 | 9 | 450,335 | 9 | 109,341 | 1 | 2,842 |
| Tawas Police Authori | 3504 | 1 | July 1 | 6 | 229,207 | 2 | 18,473 | 1 | 7,572 |
| Taylor Housing Comm | 8231 | 1 | April 1 | 5 | 209,924 | 0 | 0 | 0 | 0 |
| Thirty-Fifth Distric | 8234 | 1 | January 1 | 17 | 758,170 | 4 | 103,325 | 0 | 0 |
| Thirty-Fourth Distri | 8235 | 1 | July 1 | 30 | 1,264,706 | 1 | 29,073 | 1 | 8,800 |
| Three Rivers, City o | 7801 | 5 | July 1 | 69 | 2,966,472 | 30 | 450,443 | 7 | 52,816 |
| Three Rivers Hospita | 7802 | 1 | July 1 | 0 | 0 | 2 | 3,416 | 0 | 0 |
| Traverse Area Dist L | 2807 | 1 | January 1 | 48 | 1,662,259 | 10 | 85,610 | 1 | 6,080 |

MERS 12/31/2006 Valuation - Results by Municipality

| Municipality Name | Number | $\begin{aligned} & \text { Number } \\ & \text { of } \\ & \text { Divisions } \end{aligned}$ | Fiscal Year Beginning | Number of Actives | Active Salary | Number of Retirees | Annual Benefits <br> In Force | Number Deferred Vesteds | Annual Deferred Benefits |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Traverse City, City | 2801 | 4 | July 1 | 150 | 7,921,231 | 130 | 2,137,192 | 21 | 203,435 |
| Trenton, City of | 8203 | 2 | July 1 | 51 | 2,638,363 | 121 | 2,455,827 | 2 | 16,586 |
| Tri-County Aging Con | 3307 | 2 | October 1 | 71 | 2,095,302 | 31 | 186,900 | 13 | 54,279 |
| Trio Council on Agin | 6507 | 1 | October 1 | 0 | 0 | 2 | 14,348 | 2 | 7,439 |
| Tuscarora Twp Pol Dp | 1604 | 1 | July 1 | 8 | 365,060 | 2 | 17,772 | 0 | 0 |
| Tuscola Co Comm Mntl | 7907 | 1 | October 1 | 109 | 3,695,776 | 23 | 269,433 | 22 | 206,284 |
| Tuscola Co Hlth Dpt | 7901 | 1 | January 1 | 36 | 1,376,380 | 15 | 149,666 | 4 | 17,845 |
| Tuscola Co Med Care | 7906 | 1 | January 1 | 240 | 5,971,270 | 61 | 356,767 | 18 | 122,789 |
| Tuscola County | 7902 | 12 | January 1 | 160 | 6,022,135 | 90 | 798,051 | 13 | 97,915 |
| Tuscola County Road | 7908 | 1 | January 1 | 17 | 747,723 | 11 | 177,793 | 1 | 6,765 |
| Twenty Sixth Jud Cir | 403 | 1 | January 1 | 27 | 825,916 | 7 | 46,544 | 18 | 87,005 |
| Twenty Third Judicia | 8223 | 1 | July 1 | 17 | 707,263 | 3 | 48,805 | 2 | 10,164 |
| Twin Cities Pub Sfty | 3610 | 1 | July 1 | 0 | 0 | 1 | 1,471 | 2 | 8,904 |
| Ubly, Village of | 3212 | 1 | March 1 | 5 | 178,673 | 1 | 26,163 | 0 | 0 |
| Utica, City of | 5008 | 3 | July 1 | 21 | 1,050,708 | 3 | 109,206 | 0 | 0 |
| Van Buren County | 8006 | 10 | January 1 | 196 | 7,885,157 | 18 | 315,532 | 6 | 45,558 |
| Van Buren District L | 8007 | 1 | January 1 | 11 | 417,990 | 0 | 0 | 1 | 5,867 |
| Van Buren Township | 8236 | 2 | January 1 | 43 | 2,878,825 | 0 | 0 | 0 | 0 |
| Vassar, City of | 7903 | 5 | July 1 | 23 | 1,001,592 | 16 | 214,491 | 6 | 20,632 |
| Vevay Township | 3318 | 1 | April 1 | 6 | 125,499 | 0 | 0 | 0 | 0 |
| Vicksburg, Village o | 3902 | 2 | July 1 | 13 | 571,047 | 8 | 95,352 | 4 | 22,434 |
| Vicksburg District L | 3904 | 1 | March 1 | 2 | 125,983 | 1 | 3,391 | 0 | 0 |
| Vienna Township | 2522 | 1 | January 1 | 11 | 375,606 | 0 | 0 | 0 | 0 |
| Village of Bancroft | 7610 | 1 | March 1 | 1 | 34,201 | 1 | 7,884 | 0 | 0 |
| Village of Bingham F | 6332 | 1 | July 1 | 2 | 152,880 | 0 | 0 | 0 | 0 |
| Village of Farwell | 1805 | 1 | March 1 | 3 | 111,642 | 0 | 0 | 0 | 0 |
| Village of Mackinaw | 1606 | 1 | March 1 | 5 | 228,445 | 0 | 0 | 0 | 0 |
| Village of Spring La | 7015 | 2 | July 1 | 16 | 757,973 | 1 | 35,546 | 0 | 0 |
| Wakefield, City of | 2701 | 1 | July 1 | 20 | 735,029 | 26 | 234,533 | 0 | 0 |
| Walker, City of | 4112 | 3 | July 1 | 48 | 2,692,889 | 41 | 830,995 | 0 | 0 |
| Walled Lake, City of | 6324 | 5 | July 1 | 42 | 2,344,612 | 18 | 445,111 | 7 | 56,785 |
| Washtenaw County Rd | 8102 | 2 | October 1 | 152 | 7,725,580 | 101 | 1,593,666 | 9 | 111,054 |
| Washtenaw County She | 8113 | 3 | January 1 | 257 | 17,188,529 | 9 | 169,243 | 15 | 232,974 |
| Wayland, City of | 304 | 2 | July 1 | 17 | 789,541 | 7 | 62,413 | 8 | 93,802 |
| Webberville, Village | 3314 | 1 | April 1 | 4 | 135,002 | 1 | 15,128 | 2 | 6,519 |
| West Branch, City of | 6505 | 2 | July 1 | 21 | 806,276 | 8 | 90,762 | 2 | 17,937 |
| West Iron Co Sewer A | 3612 | 1 | July 1 | 4 | 122,254 | 2 | 38,158 | 0 | 0 |
| Westland, City of | 8211 | 8 | July 1 | 210 | 10,177,100 | 206 | 4,841,626 | 20 | 255,994 |
| Westphalia, Village | 1907 | 1 | March 1 | 2 | 79,234 | 1 | 2,348 | 0 | 0 |
| Wexford County | 8302 | 10 | January 1 | 140 | 5,508,454 | 62 | 741,144 | 18 | 145,423 |
| Wexford County Rd Co | 8303 | 2 | January 1 | 39 | 1,585,172 | 51 | 613,038 | 4 | 25,826 |
| White Cloud, City of | 6206 | 1 | July 1 | 7 | 227,455 | 2 | 10,477 | 3 | 17,397 |
| White Cloud/Sherman | 6211 | 1 | July 1 | 3 | 111,505 | 0 | 0 | 0 | 0 |
| White Cloud Comm Lib | 6208 | 1 | July 1 | 4 | 113,515 | 0 | 0 | 1 | 2,691 |
| Whitehall, City of | 6105 | 5 | July 1 | 23 | 1,145,031 | 16 | 163,043 | 2 | 13,287 |
| White Lake Charter T | 6325 | 5 | January 1 | 89 | 5,160,971 | 16 | 405,823 | 3 | 60,973 |
| White Pigeon Village | 7804 | 1 | April 1 | 4 | 162,472 | 0 | 0 | 0 | 0 |
| White Pine Library | 5904 | 2 | July 1 | 3 | 54,611 | 3 | 12,126 | 0 | 0 |
| Willard Public Libra | 1308 | 2 | July 1 | 25 | 1,019,430 | 0 | 0 | 1 | 4,832 |
| Williamston, City of | 3310 | 4 | July 1 | 21 | 944,214 | 14 | 217,119 | 2 | 14,806 |
| Wixom, City of | 6316 | 6 | July 1 | 60 | 3,357,843 | 23 | 547,831 | 12 | 84,492 |
| W MI Comm Mntl Hlth | 5304 | 1 | October 1 | 8 | 338,613 | 19 | 248,587 | 4 | 28,071 |
| W MI Shoreline Reg D | 6110 | 1 | October 1 | 9 | 395,863 | 2 | 45,914 | 5 | 21,236 |
| Wolverine Lake, Vill | 6329 | 2 | July 1 | 11 | 571,447 | 5 | 110,539 | 2 | 9,788 |
| W UP Dist Hlth Dept | 3101 | 2 | January 1 | 83 | 3,169,242 | 51 | 354,461 | 35 | 159,809 |
| WUPPDR | 3108 | 1 | October 1 | 7 | 260,977 | 0 | 0 | 0 | 0 |
| Ypsilanti, City of | 8101 | 4 | July 1 | 52 | 2,250,084 | 56 | 775,524 | 8 | 64,705 |
| Ypsilanti, Township | 8104 | 2 | January 1 | 87 | 4,397,332 | 35 | 509,109 | 8 | 58,463 |
| Ypsilanti Comm Util | 8106 | 3 | September 1 | 139 | 7,523,383 | 70 | 1,528,006 | 16 | 209,573 |
| Ypsilanti Housing Co | 8115 | 1 | July 1 | 13 | 531,489 | 1 | 16,891 | 1 | 10,040 |
| Totals - Active Groups | 650 | 1,952 |  | 36,846 | 1,545,886,480 | 21,212 | 321,223,731 | 5,993 | 45,185,065 |
| Totals - Closed Groups | 18 | 22 |  | 0 | 0 | 252 | 1,298,914 | 242 | 925,680 |
| Totals - MERS | 668 | 1,974 |  | 36,846 | 1,545,886,480 | 21,464 | 322,522,645 | 6,235 | 46,110,745 |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired Liability | Total Liability | Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41B District Court | 5014 | 1,165,773 | 644,785 | 2,078,302 | 3,888,860 | 2,840,507 | 73.0\% |
| Addison Fire Departm | 4607 | 94,542 | 0 | 0 | 94,542 | 44,145 | 46.7\% |
| Adrian, City of | 4601 | 15,292,838 | 4,784,191 | 24,488,264 | 44,565,293 | 38,692,642 | 86.8\% |
| Albion, City of | 1301 | 4,836,425 | 272,328 | 6,006,028 | 11,114,781 | 15,227,692 | 137.0\% |
| Alcona County | 101 | 5,312,689 | 231,735 | 3,906,920 | 9,451,344 | 6,532,467 | 69.1\% |
| Alger County | 203 | 4,309,913 | 129,343 | 3,506,563 | 7,945,819 | 5,615,452 | 70.7\% |
| Alger County Road Co | 201 | 2,394,982 | 939,250 | 4,026,926 | 7,361,158 | 6,550,192 | 89.0\% |
| Algonac, City of | 7707 | 2,103,382 | 786,380 | 824,927 | 3,714,689 | 3,220,295 | 86.7\% |
| Allegan, City of | 309 | 2,352,669 | 4,530 | 763,288 | 3,120,487 | 1,804,868 | 57.8\% |
| Allegan County | 302 | 19,603,703 | 2,438,731 | 22,776,814 | 44,819,248 | 35,821,163 | 79.9\% |
| Allegan County Rd. C | 301 | 6,259,493 | 2,328,543 | 7,323,557 | 15,911,593 | 14,283,541 | 89.8\% |
| Alma, City of | 2901 | 5,449,191 | 2,317,102 | 8,516,621 | 16,282,914 | 16,375,987 | 100.6\% |
| Almont, Village of | 4407 | 815,843 | 228,767 | 326,729 | 1,371,339 | 1,108,161 | 80.8\% |
| Alpena County | 401 | 7,827,406 | 288,780 | 5,747,845 | 13,864,031 | 10,513,003 | 75.8\% |
| Alpena County Rd. Co | 402 | 4,735,013 | 188,255 | 3,933,516 | 8,856,784 | 8,008,528 | 90.4\% |
| Alpena General Hospi | 405 | 67,503,711 | 3,925,329 | 43,629,998 | 115,059,038 | 100,795,387 | 87.6\% |
| Alpena Senior Citize | 404 | 257,801 | 0 | 477,835 | 735,636 | 295,823 | 40.2\% |
| Alpha, Village of | 3614 | 23,344 | 0 | 0 | 23,344 | 31,615 | 135.4\% |
| Antrim County | 502 | 15,599,302 | 928,633 | 7,337,797 | 23,865,732 | 19,624,905 | 82.2\% |
| Antrim County Rd Com | 501 | 4,086,761 | 150,556 | 6,062,088 | 10,299,405 | 6,480,184 | 62.9\% |
| Arenac County | 603 | 4,700,698 | 439,209 | 3,345,206 | 8,485,113 | 5,711,117 | 67.3\% |
| Arenac County Rd Com | 604 | 2,225,043 | 24,997 | 2,902,658 | 5,152,698 | 2,748,400 | 53.3\% |
| Ash Township | 5804 | 127,135 | 38,073 | 256,121 | 421,329 | 193,728 | 46.0\% |
| Auburn, City of | 905 | 842,124 | 251,254 | 299,411 | 1,392,789 | 1,274,864 | 91.5\% |
| Au Gres, City of | 602 | 1,106,688 | 0 | 619,660 | 1,726,348 | 1,098,437 | 63.6\% |
| Bad Axe, City of | 3211 | 2,617,708 | 351,443 | 1,797,378 | 4,766,529 | 2,820,513 | 59.2\% |
| Bangor, City of | 8003 | 562,076 | 154,390 | 613,341 | 1,329,807 | 2,010,305 | 151.2\% |
| Baraga, Village of | 704 | 864,606 | 0 | 1,471,769 | 2,336,375 | 1,504,954 | 64.4\% |
| Baraga County | 702 | 2,234,917 | 2,819 | 2,376,144 | 4,613,880 | 3,566,078 | 77.3\% |
| Baraga County Memori | 703 | 9,331,855 | 239,191 | 3,349,329 | 12,920,375 | 9,404,162 | 72.8\% |
| Baraga County Rd Com | 701 | 2,113,448 | 3,813 | 4,451,769 | 6,569,030 | 4,263,471 | 64.9\% |
| Baroda Township | 1109 | 63,332 | 24,031 | 0 | 87,363 | 52,716 | 60.3\% |
| Barry County | 802 | 21,948,979 | 1,619,208 | 14,229,197 | 37,797,384 | 26,855,177 | 71.1\% |
| Barry County CMH Aut | 804 | 2,922,128 | 132,889 | 0 | 3,055,017 | 1,989,017 | 65.1\% |
| Barry-Eaton Dist Hlt | 2303 | 6,804,364 | 1,033,825 | 4,205,393 | 12,043,582 | 9,640,293 | 80.0\% |
| Barton Hills, Villag | 8107 | 459,128 | 0 | 121,815 | 580,943 | 469,895 | 80.9\% |
| Bates Township | 3616 | 166,175 | 0 | 121,395 | 287,570 | 136,500 | 47.5\% |
| Bath Charter Townshi | 1909 | 1,625,148 | 493,546 | 1,108,741 | 3,227,435 | 2,432,556 | 75.4\% |
| Battle Creek, City o | 1302 | 54,310,846 | 6,491,299 | 42,217,215 | 103,019,360 | 78,530,625 | 76.2\% |
| Bay Area Transportat | 2810 | 172,005 | 333,207 | 0 | 505,212 | 464,478 | 91.9\% |
| Bay City, City of | 901 | 16,892,296 | 1,911,067 | 44,930,289 | 63,733,652 | 38,615,076 | 60.6\% |
| Bay City Housing Com | 906 | 2,550,049 | 119,762 | 2,979,506 | 5,649,317 | 4,424,373 | 78.3\% |
| Bayliss Public Libra | 1702 | 279,178 | 81,021 | 222,234 | 582,433 | 1,135,751 | 195.0\% |
| Bay Metro Transit Au | 907 | 5,731,099 | 173,146 | 1,668,176 | 7,572,421 | 3,996,705 | 52.8\% |
| Beecher Met Dist Swg | 2501 | 2,693,442 | 325,594 | 1,688,828 | 4,707,864 | 4,065,240 | 86.3\% |
| Belding, City of | 3410 | 422,717 | 175,920 | 1,061,347 | 1,659,984 | 795,754 | 47.9\% |
| Belleville, City of | 8213 | 2,978,905 | 164,465 | 1,644,088 | 4,787,458 | 3,242,376 | 67.7\% |
| Benzie/Leelanau Dist | 4504 | 321,819 | 0 | 71,333 | 393,152 | 324,614 | 82.6\% |
| Benzie County | 1003 | 5,329,767 | 132,463 | 3,374,180 | 8,836,410 | 6,628,113 | 75.0\% |
| Benzie County Comm o | 1006 | 320,652 | 0 | 242,367 | 563,019 | 382,362 | 67.9\% |
| Benzie County MCF (M | 1004 | 3,093,948 | 342,142 | 1,291,764 | 4,727,854 | 4,867,402 | 103.0\% |
| Benzie County Road C | 1001 | 2,558,399 | 254,262 | 3,378,257 | 6,190,918 | 2,995,004 | 48.4\% |
| Benzie Shores Dist. | 1005 | 114,121 | 14,617 | 0 | 128,738 | 113,825 | 88.4\% |
| Berkley, City of | 6304 | 5,721,489 | 1,194,902 | 11,160,923 | 18,077,314 | 14,937,657 | 82.6\% |
| Berrien Springs, Vil | 1102 | 1,520,392 | 110,865 | 657,176 | 2,288,433 | 2,408,797 | 105.3\% |
| Bessemer, City of | 2702 | 422,592 | 215,156 | 1,400,392 | 2,038,140 | 1,853,682 | 90.9\% |
| Beverly Hills, Villa | 6321 | 2,033,116 | 38,557 | 626,612 | 2,698,285 | 2,428,238 | 90.0\% |
| Big Rapids, City of | 5402 | 7,117,228 | 439,029 | 3,250,202 | 10,806,459 | 7,810,016 | 72.3\% |
| Big Rapids Housing C | 5406 | 875,126 | 52,193 | 205,264 | 1,132,583 | 707,723 | 62.5\% |
| Birch Run, Village o | 7315 | 286,516 | 208,595 | 74,056 | 569,167 | 469,411 | 82.5\% |

Actuarial Accrued Liability

| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total <br> Liability | Actuarial Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bishop Intl Arpt Aut | 2507 | 2,345,967 | 663,151 | 845,535 | 3,854,653 | 3,223,294 | 83.6\% |
| Blackman Township | 3806 | 1,542,450 | 1,037,662 | 2,350,715 | 4,930,827 | 2,800,020 | 56.8\% |
| Blissfield, Village | 4606 | 1,485,454 | 345,957 | 638,400 | 2,469,811 | 2,159,162 | 87.4\% |
| Bloomfield Hills, Ci | 6302 | 4,584,683 | 1,040,510 | 18,368,950 | 23,994,143 | 15,171,547 | 63.2\% |
| Blue Water Area Tran | 7709 | 2,430,937 | 41,838 | 386,167 | 2,858,942 | 2,380,408 | 83.3\% |
| Boyne City, City of | 1506 | 3,295,186 | 1,136,630 | 3,112,743 | 7,544,559 | 6,330,434 | 83.9\% |
| Branch County Sherif | 1205 | 452,107 | 122,052 | 78,899 | 653,058 | 547,846 | 83.9\% |
| Brandon Township | 6333 | 1,736,681 | 1,956,637 | 147,493 | 3,840,811 | 3,230,911 | 84.1\% |
| Breckenridge,Village | 2906 | 1,151,222 | 165,940 | 804,510 | 2,121,672 | 1,465,083 | 69.1\% |
| Bridgeport Charter T | 7307 | 2,640,184 | 235,074 | 3,146,920 | 6,022,178 | 4,458,568 | 74.0\% |
| Brighton, City of | 4704 | 6,572,325 | 294,951 | 3,305,510 | 10,172,786 | 7,375,710 | 72.5\% |
| Brighton Area Fire A | 4715 | 148,776 | 0 | 209,987 | 358,763 | 320,869 | 89.4\% |
| Brighton Township | 4711 | 633,323 | 271,655 | 300,765 | 1,205,743 | 1,153,725 | 95.7\% |
| Britton, Village of | 4604 | 64,589 | 63,724 | 52,929 | 181,242 | 244,858 | 135.1\% |
| Brnch-Hllsdl-St.Josp | 1202 | 4,748,680 | 1,091,976 | 3,402,090 | 9,242,746 | 9,318,862 | 100.8\% |
| Bronson, City of | 1204 | 204,724 | 81,006 | 92,732 | 378,462 | 251,253 | 66.4\% |
| Brooklyn, Village of | 3801 | 215,538 | 59,193 | 779,854 | 1,054,585 | 787,870 | 74.7\% |
| Buchanan, City of | 1101 | 1,548,366 | 841,958 | 3,052,542 | 5,442,866 | 6,641,401 | 122.0\% |
| Buchanan District Li | 1108 | 57,874 | 32,847 | 0 | 90,721 | 42,715 | 47.1\% |
| Buena Vista Charter | 7312 | 3,378,240 | 988,413 | 3,102,448 | 7,469,101 | 6,039,203 | 80.9\% |
| Burton, City of | 2508 | 14,054,460 | 1,480,758 | 17,041,630 | 32,576,848 | 15,180,869 | 46.6\% |
| Butman Township | 2604 | 98,224 | 0 | 0 | 98,224 | 115,706 | 117.8\% |
| Cadillac, City of | 8301 | 6,085,491 | 195,877 | 3,880,511 | 10,161,879 | 10,812,671 | 106.4\% |
| Cadillac/Wexford Tra | 8305 | 726,489 | 35,727 | 146,502 | 908,718 | 663,412 | 73.0\% |
| Calhoun County | 1311 | 7,321,716 | 6,208,857 | 8,335,143 | 21,865,716 | 9,078,283 | 41.5\% |
| Calhoun County Road | 1307 | 6,564,468 | 135,362 | 5,314,934 | 12,014,764 | 7,179,600 | 59.8\% |
| Canton Public Librar | 8232 | 1,163,863 | 774,657 | 737,395 | 2,675,915 | 2,021,108 | 75.5\% |
| Canton Township | 8233 | 21,940,173 | 23,117,000 | 23,558,330 | 68,615,503 | 47,405,556 | 69.1\% |
| Capac, Village of | 7705 | 511,593 | 974 | 1,228,760 | 1,741,327 | 891,010 | 51.2\% |
| Capital Area Dist Li | 3317 | 1,313,058 | 759,307 | 0 | 2,072,365 | 1,897,743 | 91.6\% |
| Capital Region Arprt | 3305 | 5,923,520 | 177,926 | 6,321,909 | 12,423,355 | 8,091,185 | 65.1\% |
| Carleton, Village of | 5805 | 271,793 | 166,629 | 166,857 | 605,279 | 525,013 | 86.7\% |
| Carrollton Township | 7320 | 984,574 | 589,862 | 340,435 | 1,914,871 | 1,168,226 | 61.0\% |
| Cascade Charter Town | 4110 | 2,345,584 | 1,897,845 | 400,033 | 4,643,462 | 3,043,515 | 65.5\% |
| Caseville, Village o | 3207 | 756,740 | 249,840 | 154,054 | 1,160,634 | 793,201 | 68.3\% |
| Caspian, Village of | 3608 | 523,714 | 0 | 254,701 | 778,415 | 533,113 | 68.5\% |
| Cass County | 1402 | 5,836,733 | 2,910,530 | 7,194,438 | 15,941,701 | 13,626,173 | 85.5\% |
| Cass County MCF | 1403 | 1,496,022 | 1,079,689 | 975,086 | 3,550,797 | 4,257,369 | 119.9\% |
| Cass District Librar | 1404 | 183,692 | 75,441 | 234,385 | 493,518 | 678,222 | 137.4\% |
| Cedar Springs, City | 4105 | 929,790 | 352,565 | 1,109,043 | 2,391,398 | 1,970,967 | 82.4\% |
| Center Line, City of | 5001 | 1,443,104 | 545,551 | 5,780,424 | 7,769,079 | 6,133,781 | 79.0\% |
| Central Dispatch of | 6109 | 1,374,254 | 459,536 | 2,132,572 | 3,966,362 | 3,638,431 | 91.7\% |
| Central MI Dist Hlth | 3705 | 7,266,388 | 986,136 | 6,423,553 | 14,676,077 | 10,733,157 | 73.1\% |
| Central Wayne County | 8214 | 607,080 | 39,154 | 2,779,743 | 3,425,977 | 3,392,854 | 99.0\% |
| Charlevoix, City of | 1505 | 4,672,410 | 844,461 | 3,947,873 | 9,464,744 | 6,813,506 | 72.0\% |
| Charlevoix Cnty Rd C | 1501 | 2,603,691 | 151,986 | 3,282,844 | 6,038,521 | 4,609,785 | 76.3\% |
| Charlevoix County | 1503 | 18,442,961 | 578,518 | 8,707,662 | 27,729,141 | 19,939,148 | 71.9\% |
| Charlotte, City of | 2301 | 7,096,809 | 808,251 | 6,616,498 | 14,521,558 | 11,297,810 | 77.8\% |
| Charlotte District L | 2309 | 231,177 | 19,518 | 256,559 | 507,254 | 315,207 | 62.1\% |
| Charter Twp of Muske | 6108 | 5,315,137 | 1,655,735 | 4,972,842 | 11,943,714 | 10,136,134 | 84.9\% |
| Cheboygan, City of | 1602 | 3,111,211 | 1,013,188 | 3,932,583 | 8,056,982 | 6,297,233 | 78.2\% |
| Cheboygan County | 1603 | 7,706,472 | 1,923,729 | 4,318,310 | 13,948,511 | 12,064,231 | 86.5\% |
| Cheboygan County Rd | 1601 | 4,769,914 | 686,763 | 9,712,718 | 15,169,395 | 9,313,327 | 61.4\% |
| Chelsea, Village of | 8103 | 3,603,911 | 16,373 | 5,360,814 | 8,981,098 | 5,339,633 | 59.5\% |
| Chesaning, Village o | 7313 | 883,455 | 0 | 1,717,662 | 2,601,117 | 513,384 | 19.7\% |
| Chesterfield Townshi | 5009 | 4,621,866 | 2,549,280 | 989,954 | 8,161,100 | 4,891,010 | 59.9\% |
| Chesterfield Townshi | 5010 | 261,978 | 179,029 | 0 | 441,007 | 415,517 | 94.2\% |
| Chikaming Township | 1112 | 387,106 | 474,431 | 0 | 861,537 | 562,428 | 65.3\% |
| Chippewa County | 1703 | 15,191,337 | 1,787,769 | 9,423,670 | 26,402,776 | 22,719,301 | 86.0\% |
| Chippewa County Rd C | 1704 | 6,523,483 | 52,560 | 7,217,222 | 13,793,265 | 10,481,715 | 76.0\% |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired Liability | Total Liability | Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Chippewa River Dist | 3707 | 943,968 | 341,628 | 241,608 | 1,527,204 | 1,594,414 | 104.4\% |
| City of Bridgman | 1110 | 529,330 | 301,610 | 0 | 830,940 | 424,223 | 51.1\% |
| City of Clio | 2523 | 387,163 | 227,841 | 0 | 615,004 | 392,235 | 63.8\% |
| City of Harbor Sprin | 2405 | 1,086,772 | 1,265,217 | 436,717 | 2,788,706 | 1,807,310 | 64.8\% |
| City of Richmond | 5012 | 584,718 | 511,775 | 274,499 | 1,370,992 | 717,476 | 52.3\% |
| Clare, City of | 1804 | 2,081,729 | 621,480 | 2,579,602 | 5,282,811 | 4,286,101 | 81.1\% |
| Clare County | 1802 | 5,255,582 | 2,179,127 | 5,433,197 | 12,867,906 | 11,727,617 | 91.1\% |
| Clare County Road Co | 1801 | 2,294,631 | 727,677 | 5,430,448 | 8,452,756 | 7,868,155 | 93.1\% |
| Clawson, City of | 6305 | 6,076,290 | 184,379 | 14,822,506 | 21,083,175 | 11,685,908 | 55.4\% |
| Clay Township | 7706 | 3,302,995 | 786,995 | 1,752,461 | 5,842,451 | 3,312,400 | 56.7\% |
| Clearwater Township | 4005 | 45,972 | 0 | 0 | 45,972 | 36,418 | 79.2\% |
| Clinton, Village of | 4602 | 2,301,324 | 181,659 | 372,742 | 2,855,725 | 3,045,405 | 106.6\% |
| Clinton County | 1903 | 19,883,801 | 739,845 | 12,002,828 | 32,626,474 | 24,446,212 | 74.9\% |
| Clinton County Road | 1901 | 6,463,816 | 1,267,140 | 5,623,805 | 13,354,761 | 10,793,942 | 80.8\% |
| Clinton-Eaton-Ingham | 3308 | 55,129,876 | 6,605,913 | 31,712,432 | 93,448,221 | 69,474,175 | 74.3\% |
| Clinton Township | 5002 | 19,946,612 | 6,202,748 | 19,418,886 | 45,568,246 | 38,315,197 | 84.1\% |
| Coldwater, City of | 1201 | 4,638,101 | 1,659,159 | 7,543,845 | 13,841,105 | 13,369,490 | 96.6\% |
| Coldwater Board of P | 1203 | 4,159,756 | 584,090 | 4,682,332 | 9,426,178 | 7,333,373 | 77.8\% |
| Coleman, City of | 5603 | 676,767 | 174,013 | 900,616 | 1,751,396 | 1,085,779 | 62.0\% |
| Coloma Township | 1107 | 88,476 | 71,753 | 0 | 160,229 | 145,930 | 91.1\% |
| Columbiaville, Villa | 4406 | 74,705 | 62,362 | 134,424 | 271,491 | 217,873 | 80.3\% |
| Comm Mental Hlth for | 3708 | 24,905,033 | 1,626,264 | 10,297,518 | 36,828,815 | 34,292,941 | 93.1\% |
| Coopersville, City o | 7005 | 889,868 | 310,300 | 562,735 | 1,762,903 | 1,580,064 | 89.6\% |
| Corunna City of | 7604 | 1,269,175 | 25,686 | 2,482,908 | 3,777,769 | 2,726,295 | 72.2\% |
| Corwith Township | 6904 | 1,094 | 5,095 | 0 | 6,189 | 5,375 | 86.8\% |
| Crawford Cnty Trans. | 2004 | 1,397,231 | 247,477 | 1,437,331 | 3,082,039 | 2,853,984 | 92.6\% |
| Crawford County | 2001 | 6,759,177 | 471,813 | 3,915,774 | 11,146,764 | 7,327,822 | 65.7\% |
| Crawford County Rd C | 2002 | 2,592,471 | 366,748 | 2,438,388 | 5,397,607 | 2,756,797 | 51.1\% |
| Croswell, City of | 7401 | 3,363,047 | 232,788 | 3,235,249 | 6,831,084 | 4,259,325 | 62.4\% |
| Crystal Falls, City | 3603 | 2,243,975 | 9,800 | 5,021,972 | 7,275,747 | 5,704,374 | 78.4\% |
| Crystal Falls Comm H | 3618 | 1,261,048 | 37,315 | 1,931,104 | 3,229,467 | 3,986,825 | 123.5\% |
| Davison, City of | 2516 | 2,692,120 | 285,022 | 3,168,615 | 6,145,757 | 3,626,961 | 59.0\% |
| Davison Township | 2519 | 2,193,543 | 1,608,507 | 2,392,647 | 6,194,697 | 4,007,512 | 64.7\% |
| Deerfield, Village o | 4603 | 574,281 | 52,165 | 412,027 | 1,038,473 | 957,576 | 92.2\% |
| Delta Charter Townsh | 2306 | 3,246,270 | 1,173,578 | 3,600,080 | 8,019,928 | 5,947,528 | 74.2\% |
| Delta County | 2102 | 12,766,897 | 368,578 | 9,942,686 | 23,078,161 | 17,033,695 | 73.8\% |
| Delta County Rd Comm | 2105 | 4,800,287 | 0 | 2,954,750 | 7,755,037 | 3,680,773 | 47.5\% |
| Delta-Menominee Dist | 2103 | 3,767,481 | 439,202 | 400,156 | 4,606,839 | 5,808,990 | 126.1\% |
| Detour, Village of | 1706 | 247,899 | 0 | 97,284 | 345,183 | 204,292 | 59.2\% |
| Detroit Housing Comm | 8241 | 1,914,963 | 0 | 0 | 1,914,963 | 1,533,564 | 80.1\% |
| DeWitt, City of | 1908 | 1,782,820 | 102,830 | 1,132,990 | 3,018,640 | 1,568,144 | 51.9\% |
| Dewitt Charter Towns | 1910 | 1,483,140 | 517,272 | 163,048 | 2,163,460 | 1,635,877 | 75.6\% |
| Dexter, Village of | 8217 | 1,551,003 | 391,288 | 1,043,258 | 2,985,549 | 2,176,383 | 72.9\% |
| Dexter Township | 8111 | 150,433 | 152,508 | 145,118 | 448,059 | 407,238 | 90.9\% |
| Dickinson County | 2206 | 8,890,274 | 1,043,659 | 9,781,455 | 19,715,388 | 14,880,858 | 75.5\% |
| Dickinson County Rd | 2203 | 3,761,203 | 187,381 | 3,397,004 | 7,345,588 | 5,700,600 | 77.6\% |
| Dickinson-Iron Dist | 3605 | 2,739,460 | 228,054 | 2,991,262 | 5,958,776 | 5,238,514 | 87.9\% |
| Dimondale, Village of | 2304 | 460,661 | 0 | 98,439 | 559,100 | 439,518 | 78.6\% |
| Dist Hlth Dept No 2 | 6501 | 3,204,035 | 312,772 | 1,819,728 | 5,336,535 | 4,441,046 | 83.2\% |
| Dist Hlth Dept No 4 | 7103 | 6,277,423 | 1,260,052 | 4,131,561 | 11,669,036 | 9,823,618 | 84.2\% |
| District Health Dept | 5104 | 9,338,025 | 249,338 | 10,776,351 | 20,363,714 | 13,477,983 | 66.2\% |
| Douglas, Village of | 303 | 1,231,464 | 12,219 | 420,149 | 1,663,832 | 1,280,631 | 77.0\% |
| Dowagiac, City of | 1401 | 4,211,166 | 1,594,564 | 8,335,122 | 14,140,852 | 8,178,435 | 57.8\% |
| Dowagiac District Li | 1406 | 15,960 | 11,420 | 0 | 27,380 | 21,122 | 77.1\% |
| Dowagiac Housing Com | 1405 | 43,859 | 2,354 | 0 | 46,213 | 102,136 | 221.0\% |
| Drummond Island Town | 1708 | 33,615 | 606 | 0 | 34,221 | 27,946 | 81.7\% |
| Dryden, Village of | 4405 | 102,031 | 36,109 | 184,188 | 322,328 | 321,844 | 99.8\% |
| Dundee, Village of | 5803 | 762,334 | 724,507 | 574,379 | 2,061,220 | 2,469,448 | 119.8\% |
| Durand, City of | 7603 | 2,408,046 | 96,517 | 1,160,376 | 3,664,939 | 3,076,108 | 83.9\% |
| East China, Township | 7701 | 2,143,565 | 536,627 | 2,533,577 | 5,213,769 | 4,209,488 | 80.7\% |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total Liability | Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Eastern UP Trans Aut | 1705 | 3,333,693 | 4,665 | 3,687,490 | 7,025,848 | 4,583,829 | 65.2\% |
| East Grand Rapids, Ci | 4101 | 2,360,678 | 406,272 | 14,976,590 | 17,743,540 | 12,731,436 | 71.8\% |
| East Jordan, City of | 1504 | 1,540,254 | 253,871 | 1,430,760 | 3,224,885 | 2,670,595 | 82.8\% |
| East Lansing, City o | 3301 | 54,039,407 | 2,725,792 | 74,337,693 | 131,102,892 | 95,551,414 | 72.9\% |
| Eastpointe Housing C | 5011 | 158,206 | 155,672 | 0 | 313,878 | 242,567 | 77.3\% |
| Eaton Co Medical Car | 2305 | 2,193,098 | 855,398 | 1,821,969 | 4,870,465 | 4,657,256 | 95.6\% |
| Eaton County | 2302 | 29,979,111 | 14,041,972 | 47,694,335 | 91,715,418 | 57,847,117 | 63.1\% |
| Eaton Rapids, City o | 2307 | 5,300,006 | 586,164 | 2,726,142 | 8,612,312 | 5,544,591 | 64.4\% |
| Eau Claire, Village | 1104 | 75,799 | 48,971 | 316,035 | 440,805 | 254,358 | 57.7\% |
| Ecorse, City of | 8206 | 8,217,001 | 145,796 | 32,316,780 | 40,679,577 | 25,113,975 | 61.7\% |
| Elderly Housing Comm | 8222 | 915,924 | 270,930 | 932,220 | 2,119,074 | 1,701,466 | 80.3\% |
| Elkton, Village of | 3206 | 166,191 | 142,354 | 203,177 | 511,722 | 483,667 | 94.5\% |
| Elsie, Village of | 1906 | 30,078 | 44,349 | 59,340 | 133,767 | 176,188 | 131.7\% |
| Emmet, Charter Twnsh | 1310 | 795,413 | 536,125 | 1,202,019 | 2,533,557 | 1,904,075 | 75.2\% |
| Emmet County Rd Comm | 2401 | 2,423,462 | 108,175 | 9,095,808 | 11,627,445 | 8,150,219 | 70.1\% |
| Escanaba, City of | 2101 | 12,889,533 | 192,926 | 13,849,428 | 26,931,887 | 18,681,596 | 69.4\% |
| Essexville, City of | 903 | 1,755,025 | 607,815 | 3,380,625 | 5,743,465 | 4,811,131 | 83.8\% |
| Evart, City of | 6705 | 868,822 | 46,294 | 353,328 | 1,268,444 | 980,924 | 77.3\% |
| Evart Local Dev Fina | 6706 | 181,901 | 50,276 | 37,874 | 270,051 | 219,943 | 81.4\% |
| Farmington Comm Libr | 6319 | 2,783,663 | 474,236 | 3,292,060 | 6,549,959 | 6,340,024 | 96.8\% |
| Fenton, City of | 2505 | 5,693,096 | 282,433 | 3,529,981 | 9,505,510 | 7,690,763 | 80.9\% |
| Ferrysburg, City of | 7106 | 756,434 | 208,659 | 216,537 | 1,181,630 | 734,844 | 62.2\% |
| Flat Rock, City of | 8212 | 6,495,672 | 2,175,957 | 8,533,593 | 17,205,222 | 10,454,562 | 60.8\% |
| Flint Charter Townsh | 2512 | 9,756,130 | 3,825,457 | 2,353,836 | 15,935,423 | 12,673,881 | 79.5\% |
| Flint Public Library | 2518 | 558,902 | 0 | 0 | 558,902 | 445,690 | 79.7\% |
| Flushing, Charter To | 2515 | 3,292,898 | 749,770 | 153,083 | 4,195,751 | 2,135,073 | 50.9\% |
| Flushing, City of | 2502 | 5,983,803 | 154,168 | 6,402,594 | 12,540,565 | 7,933,458 | 63.3\% |
| Forsyth Township | 5212 | 2,409,272 | 609,961 | 1,542,821 | 4,562,054 | 2,385,804 | 52.3\% |
| Fowler, Village of | 1904 | 68,513 | 0 | 202,165 | 270,678 | 235,473 | 87.0\% |
| Fowlerville, Village | 4705 | 1,120,005 | 329,207 | 1,172,733 | 2,621,945 | 2,711,637 | 103.4\% |
| Fowlerville District | 4710 | 114,816 | 31,893 | 0 | 146,709 | 124,482 | 84.8\% |
| Frankenmuth, City of | 7306 | 4,274,490 | 793,243 | 5,250,135 | 10,317,868 | 8,348,784 | 80.9\% |
| Frankfort, City of | 1002 | 905,971 | 113,426 | 1,271,386 | 2,290,783 | 1,633,928 | 71.3\% |
| Franklin, Village of | 6323 | 2,823,549 | 223,577 | 665,449 | 3,712,575 | 2,586,243 | 69.7\% |
| Fraser, City of | 5003 | 9,083 | 90,895 | 73,332 | 173,310 | 295,373 | 170.4\% |
| Fremont, City of | 6203 | 4,031,862 | 2,413 | 3,446,028 | 7,480,303 | 5,457,138 | 73.0\% |
| Fremont Area Distric | 6209 | 277,048 | 7,554 | 505,651 | 790,253 | 608,870 | 77.0\% |
| Gaastra, City of | 3617 | 122,703 | 0 | 0 | 122,703 | 85,197 | 69.4\% |
| Gaylord, City of | 6903 | 4,597,792 | 342,246 | 2,557,997 | 7,498,035 | 5,306,787 | 70.8\% |
| Genesee Charter Town | 2510 | 6,029,211 | 515,637 | 5,408,260 | 11,953,108 | 6,436,903 | 53.9\% |
| Genoa Township | 4713 | 42,982 | 1,778 | 0 | 44,760 | 35,704 | 79.8\% |
| Gladstone, City of | 2106 | 3,834,909 | 61,093 | 5,562,203 | 9,458,205 | 5,555,587 | 58.7\% |
| Gladwin, City of | 2605 | 1,401,478 | 583,493 | 701,353 | 2,686,324 | 1,501,707 | 55.9\% |
| Gladwin CO. District | 2607 | 391,294 | 105,979 | 82,020 | 579,293 | 570,114 | 98.4\% |
| Gladwin County | 2602 | 5,263,170 | 1,287,437 | 5,723,910 | 12,274,517 | 9,633,750 | 78.5\% |
| Gladwin County Rd Co | 2601 | 3,015,942 | 1,069,259 | 7,057,038 | 11,142,239 | 8,710,938 | 78.2\% |
| Gogebic-Iron Wastewt | 2703 | 592,660 | 175,168 | 933,306 | 1,701,134 | 1,066,950 | 62.7\% |
| Grand Blanc, City of | 2513 | 3,937,227 | 2,483,576 | 974,376 | 7,395,179 | 5,388,392 | 72.9\% |
| Grand Blanc Charter | 2511 | 5,887,702 | 1,301,545 | 4,212,545 | 11,401,792 | 5,544,219 | 48.6\% |
| Grand Haven, City of | 7010 | 29,396,600 | 4,217,714 | 24,936,729 | 58,551,043 | 62,578,921 | 106.9\% |
| Grand Ledge Area Em | 2310 | 355,615 | 87,434 | 0 | 443,049 | 309,591 | 69.9\% |
| Grand Rapids Housing | 4108 | 1,009,040 | 95,518 | 154,001 | 1,258,559 | 681,485 | 54.1\% |
| Grand Trav. Pavilion | 2809 | 11,345,222 | 848,720 | 2,911,716 | 15,105,658 | 10,843,781 | 71.8\% |
| Grand Traverse Cnty | 2802 | 3,031,245 | 50,073 | 6,129,865 | 9,211,183 | 7,619,448 | 82.7\% |
| Grand Traverse Count | 2803 | 22,293,674 | 299,904 | 51,576,963 | 74,170,541 | 36,695,376 | 49.5\% |
| Grandville, City of | 4102 | 5,899,796 | 308,831 | 9,217,482 | 15,426,109 | 10,039,232 | 65.1\% |
| Gratiot County | 2905 | 12,061,517 | 205,662 | 7,447,032 | 19,714,211 | 14,499,374 | 73.5\% |
| Gratiot County Rd Co | 2903 | 5,575,239 | 1,060,409 | 5,754,254 | 12,389,902 | 10,379,713 | 83.8\% |
| Grayling, City of | 2003 | 2,019,718 | 0 | 843,325 | 2,863,043 | 2,456,343 | 85.8\% |
| Green Oak Township | 4708 | 1,765,125 | 246,681 | 0 | 2,011,806 | 1,077,690 | 53.6\% |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total Liability | Value of Assets | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Greenville, City of | 5906 | 1,914,163 | 507,535 | 1,351,970 | 3,773,668 | 3,285,953 | 87.1\% |
| Grosse Ile Township | 8207 | 12,063,691 | 185,652 | 7,076,325 | 19,325,668 | 13,949,966 | 72.2\% |
| Grosse Pointe Park, | 8201 | 11,429,444 | 3,731,098 | 14,903,180 | 30,063,722 | 23,078,619 | 76.8\% |
| Grosse Pte-Clntn Rfs | 5004 | 182,090 | 156,818 | 2,104,182 | 2,443,090 | 3,070,331 | 125.7\% |
| Groveland Township | 6335 | 328,359 | 456,058 | 184,818 | 969,235 | 807,129 | 83.3\% |
| Hackley Public Libra | 6114 | 25,434 | 0 | 0 | 25,434 | 26,914 | 105.8\% |
| Hamburg Township | 4709 | 1,385,935 | 139,119 | 354,446 | 1,879,500 | 823,230 | 43.8\% |
| Hamtramck, City of | 8205 | 18,047,751 | 4,834,160 | 65,944,483 | 88,826,394 | 59,513,274 | 67.0\% |
| Hancock, City of | 3107 | 839,624 | 496,755 | 0 | 1,336,379 | 966,625 | 72.3\% |
| Harbor Beach, City o | 3201 | 2,477,012 | 1,061,602 | 1,109,326 | 4,647,940 | 4,697,755 | 101.1\% |
| Harrison, City of | 1803 | 1,208,817 | 234,931 | 654,994 | 2,098,742 | 1,716,196 | 81.8\% |
| Hartland Deerfield T | 4716 | 107,911 | 0 | 0 | 107,911 | 81,887 | 75.9\% |
| Hastings, City of | 801 | 5,766,211 | 324,401 | 6,876,601 | 12,967,213 | 8,831,735 | 68.1\% |
| Health Source of Sag | 7311 | 18,091,051 | 1,139,697 | 12,191,143 | 31,421,891 | 27,692,241 | 88.1\% |
| Helen Newberry Joy H | 4805 | 6,376,643 | 1,051,213 | 5,486,445 | 12,914,301 | 10,990,859 | 85.1\% |
| Henika District Libr | 310 | 234,316 | 588 | 0 | 234,904 | 295,076 | 125.6\% |
| Herrick District Lib | 7012 | 3,349,997 | 38,989 | 1,662,253 | 5,051,239 | 3,972,045 | 78.6\% |
| Hiawatha Comm MH Aut | 1707 | 7,545,750 | 862,768 | 1,517,393 | 9,925,911 | 10,197,257 | 102.7\% |
| Highland Park, City | 8227 | 2,567,253 | 2,416,723 | 18,923,602 | 23,907,578 | 4,910,459 | 20.5\% |
| Hillsdale, City of | 3001 | 7,487,762 | 2,554,041 | 4,979,866 | 15,021,669 | 15,928,490 | 106.0\% |
| Hillsdale County Rd | 3004 | 3,510,162 | 897,593 | 2,182,436 | 6,590,191 | 4,507,820 | 68.4\% |
| Hillsdale County-She | 3005 | 2,131,842 | 897,343 | 1,190,070 | 4,219,255 | 1,881,418 | 44.6\% |
| Holland, City of | 7001 | 43,914,140 | 2,445,880 | 48,869,420 | 95,229,440 | 77,806,202 | 81.7\% |
| Holland Hospital | 7006 | 544,731 | 42,421 | 1,853,820 | 2,440,972 | 2,949,084 | 120.8\% |
| Holland Swimming Poo | 7014 | 109,724 | 51,787 | 0 | 161,511 | 145,739 | 90.2\% |
| Holly, Village of | 6317 | 5,039,433 | 349,516 | 3,719,064 | 9,108,013 | 7,050,695 | 77.4\% |
| Homer, Village of | 1304 | 688,251 | 33,790 | 194,578 | 916,619 | 1,010,956 | 110.3\% |
| Houghton County | 3102 | 9,631,537 | 766,851 | 7,372,804 | 17,771,192 | 12,146,243 | 68.3\% |
| Houghton County Road | 3103 | 1,177,400 | 0 | 2,441,813 | 3,619,213 | 2,651,173 | 73.3\% |
| Houghton Lake Public | 7203 | 242,686 | 0 | 0 | 242,686 | 268,273 | 110.5\% |
| Howard City, Village | 5902 | 205,132 | 0 | 514,592 | 719,724 | 579,848 | 80.6\% |
| Howard Township | 1106 | 36,712 | 0 | 0 | 36,712 | 31,811 | 86.7\% |
| Howell, City of | 4702 | 6,392,626 | 1,099,142 | 8,719,664 | 16,211,432 | 10,328,269 | 63.7\% |
| Howell Area Fire Aut | 4714 | 382,473 | 35,299 | 0 | 417,772 | 294,239 | 70.4\% |
| Howell Carnegie Dist | 4707 | 706,345 | 2,777 | 62,847 | 771,969 | 678,556 | 87.9\% |
| Hudsonville, City of | 7004 | 551,850 | 67,873 | 1,265,664 | 1,885,387 | 1,243,277 | 65.9\% |
| Huntington Woods, Ci | 6303 | 5,301,519 | 1,174,686 | 12,063,668 | 18,539,873 | 11,324,100 | 61.1\% |
| Huron Charter Townsh | 8224 | 6,432,420 | 1,662,915 | 3,325,696 | 11,421,031 | 6,629,404 | 58.0\% |
| Huron County | 3204 | 28,068,049 | 8,430,578 | 22,482,970 | 58,981,597 | 52,552,198 | 89.1\% |
| Huron County Rd Comm | 3202 | 5,975,761 | 2,102,488 | 12,335,213 | 20,413,462 | 17,639,968 | 86.4\% |
| Imlay City, City of | 4404 | 3,317,807 | 18,183 | 733,204 | 4,069,194 | 3,354,216 | 82.4\% |
| Independence Townshi | 6328 | 3,995,536 | 787,489 | 222,081 | 5,005,106 | 3,602,797 | 72.0\% |
| Indianfields Townshi | 7905 | 116,187 | 0 | 155,956 | 272,143 | 55,544 | 20.4\% |
| Ingham County | 3303 | 107,393,208 | 32,296,481 | 103,610,716 | 243,300,405 | 187,358,412 | 77.0\% |
| Ingham County Road C | 3302 | 12,062,983 | 776,729 | 15,750,449 | 28,590,161 | 22,424,256 | 78.4\% |
| Interurban Transit A | 308 | 676,740 | 12,088 | 0 | 688,828 | 723,433 | 105.0\% |
| Ionia, City of | 3403 | 6,626,085 | 225,894 | 4,735,520 | 11,587,499 | 5,886,360 | 50.8\% |
| Ionia Community Libr | 3412 | 265,100 | 0 | 70,623 | 335,723 | 194,497 | 57.9\% |
| Ionia County | 3408 | 2,633,246 | 804,802 | 496,321 | 3,934,369 | 3,122,716 | 79.4\% |
| Ionia County Road Co | 3404 | 3,800,546 | 491,824 | 7,947,707 | 12,240,077 | 4,335,091 | 35.4\% |
| Ionia Housing Commis | 3406 | 490,488 | 41,228 | 292,728 | 824,444 | 641,909 | 77.9\% |
| Iosco County | 3501 | 10,767,868 | 361,065 | 7,190,086 | 18,319,019 | 13,426,459 | 73.3\% |
| Iosco County Road Co | 3502 | 3,523,878 | 982,026 | 2,351,952 | 6,857,856 | 4,942,630 | 72.1\% |
| Iron County | 3606 | 10,761,911 | 1,667,429 | 6,750,427 | 19,179,767 | 16,550,352 | 86.3\% |
| Iron County Housing | 3611 | 338,045 | 0 | 45,924 | 383,969 | 274,811 | 71.6\% |
| Iron County Road Com | 3602 | 4,252,126 | 116 | 5,042,036 | 9,294,278 | 5,460,257 | 58.7\% |
| Iron Mntn-Kingsford | 2205 | 381,663 | 175,463 | 52,875 | 610,001 | 371,538 | 60.9\% |
| Iron Mountain, City | 2201 | 2,498,361 | 721,163 | 7,045,463 | 10,264,987 | 6,524,193 | 63.6\% |
| Iron River, City of | 3601 | 3,508,011 | 264,605 | 2,022,076 | 5,794,692 | 4,849,507 | 83.7\% |
| Isabella Co. Transp. | 3709 | 789,910 | 422,176 | 0 | 1,212,086 | 831,028 | 68.6\% |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> $\underline{\text { Liability }}$ | Total <br> Liability | Value of Assets | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Isabella County | 3703 | 22,721,269 | 566,312 | 10,854,186 | 34,141,767 | 26,542,084 | 77.7\% |
| Isabella County Rd C | 3702 | 2,540,407 | 958,312 | 5,646,780 | 9,145,499 | 7,729,089 | 84.5\% |
| Ishpeming, City of | 5204 | 3,557,581 | 1,089,793 | 5,581,346 | 10,228,720 | 7,416,851 | 72.5\% |
| Ishpeming A J Wstwtr | 5207 | 413,930 | 150,496 | 38,434 | 602,860 | 523,597 | 86.9\% |
| Ishpeming Township | 5216 | 257,353 | 342,923 | 263,499 | 863,775 | 600,401 | 69.5\% |
| Ithaca, City of | 2904 | 975,309 | 393,839 | 2,252,597 | 3,621,745 | 2,808,295 | 77.5\% |
| Jackson, Cty Transpor | 3805 | 2,576,069 | 615,115 | 499,353 | 3,690,537 | 2,761,159 | 74.8\% |
| Jackson District Lib | 3802 | 1,591,070 | 657,247 | 1,712,335 | 3,960,652 | 5,202,405 | 131.4\% |
| Jordan Valley Distri | 1507 | 99,964 | 0 | 21,171 | 121,135 | 131,262 | 108.4\% |
| Kalamazoo Lk, Sewer | 306 | 739,459 | 5,325 | 150,616 | 895,400 | 694,192 | 77.5\% |
| Kalamazoo Public Lib | 3903 | 2,121,864 | 54,528 | 103,909 | 2,280,301 | 1,822,676 | 79.9\% |
| Kalkaska, Village of | 4001 | 1,316,803 | 232,647 | 2,067,197 | 3,616,647 | 2,563,989 | 70.9\% |
| Kalkaska County | 4003 | 6,444,126 | 504,674 | 4,015,960 | 10,964,760 | 9,825,531 | 89.6\% |
| Kalkaska County Rd C | 4002 | 2,503,950 | 708 | 5,672,329 | 8,176,987 | 4,805,545 | 58.8\% |
| Kalkaska Public Tran | 4004 | 414,000 | 58,820 | 920,247 | 1,393,067 | 1,038,088 | 74.5\% |
| Keego Harbor, City o | 6322 | 1,616,432 | 147,598 | 929,180 | 2,693,210 | 1,904,384 | 70.7\% |
| Kent County CMH Auth | 4109 | 9,266,016 | 2,267,536 | 2,027,675 | 13,561,227 | 15,459,931 | 114.0\% |
| Keweenaw County | 4202 | 1,167,229 | 110,409 | 338,371 | 1,616,009 | 1,148,280 | 71.1\% |
| Keweenaw County Rd C | 4201 | 2,690,639 | 19,937 | 2,398,454 | 5,109,030 | 4,056,396 | 79.4\% |
| Kinde, Village of | 3209 | 2,864 | 3,243 | 178,047 | 184,154 | 86,322 | 46.9\% |
| Kingsford, City of | 2202 | 2,403,867 | 650,862 | 1,644,397 | 4,699,126 | 4,264,643 | 90.8\% |
| L'Anse, Village of | 705 | 2,062,532 | 359,827 | 1,760,791 | 4,183,150 | 2,699,855 | 64.5\% |
| Laingsburg, City of | 7608 | 109,694 | 48,633 | 0 | 158,327 | 162,472 | 102.6\% |
| Lake County | 4301 | 5,185,775 | 470,790 | 1,317,409 | 6,973,974 | 5,809,738 | 83.3\% |
| Lake County Rd Commi | 4302 | 3,198,337 | 257,917 | 4,128,839 | 7,585,093 | 5,305,502 | 69.9\% |
| Lakeland Library Coo | 4106 | 429,923 | 135,906 | 111,393 | 677,222 | 636,798 | 94.0\% |
| Lake Linden, Village | 3105 | 687,319 | 0 | 119,863 | 807,182 | 595,720 | 73.8\% |
| Lake Odessa, Village | 3402 | 0 | 0 | 41,382 | 41,382 | 69,288 | 167.4\% |
| Lake Orion, Village | 6318 | 1,192,398 | 251,605 | 2,445,349 | 3,889,352 | 3,073,182 | 79.0\% |
| Lakeshore Coordinati | 7007 | 352,427 | 0 | 371,843 | 724,270 | 737,902 | 101.9\% |
| Lansing Housing Comm | 3311 | 4,477,501 | 25,847 | 2,257,284 | 6,760,632 | 6,638,634 | 98.2\% |
| Lapeer, City of | 4401 | 9,496,683 | 236,024 | 5,434,501 | 15,167,208 | 11,143,151 | 73.5\% |
| Lapeer County | 4403 | 41,036,299 | 2,109,908 | 19,045,287 | 62,191,494 | 55,548,007 | 89.3\% |
| Lapeer County Rd Com | 4402 | 4,277,948 | 1,860,476 | 5,851,751 | 11,990,175 | 7,553,887 | 63.0\% |
| Lapeer District Libr | 4410 | 1,784,296 | 205,767 | 1,284,787 | 3,274,850 | 2,306,941 | 70.4\% |
| Lathrup Village, Cit | 6311 | 1,860,794 | 644,629 | 3,322,223 | 5,827,646 | 5,249,771 | 90.1\% |
| Laurium, Village of | 3104 | 775,952 | 0 | 753,525 | 1,529,477 | 943,582 | 61.7\% |
| Lawrence, Village of | 8004 | 34,548 | 0 | 53,373 | 87,921 | 146,778 | 166.9\% |
| Leelanau County | 4501 | 10,177,163 | 297,266 | 3,829,730 | 14,304,159 | 10,141,500 | 70.9\% |
| Leelanau County Rd C | 4503 | 2,142,361 | 645,283 | 1,202,323 | 3,989,967 | 2,040,828 | 51.1\% |
| Leoni Township | 3804 | 1,845,134 | 1,318,039 | 1,663,436 | 4,826,609 | 4,229,446 | 87.6\% |
| Leslie, City of | 3313 | 883,468 | 181,232 | 363,595 | 1,428,295 | 886,768 | 62.1\% |
| Leslie Township | 3319 | 100,970 | 87,713 | 0 | 188,683 | 105,900 | 56.1\% |
| Lexington, Village o | 7708 | 969,207 | 176,305 | 217,586 | 1,363,098 | 948,888 | 69.6\% |
| Library Network | 8218 | 2,592,633 | 851,961 | 1,495,141 | 4,939,735 | 4,667,071 | 94.5\% |
| Lima Township | 8112 | 185,065 | 74,792 | 26,164 | 286,021 | 208,459 | 72.9\% |
| Litchfield, City of | 3006 | 231,404 | 313,587 | 0 | 544,991 | 393,684 | 72.2\% |
| Livingston County | 4703 | 44,955,413 | 586,127 | 29,983,369 | 75,524,909 | 57,441,045 | 76.1\% |
| Livingston County CM | 4712 | 8,066,142 | 523,029 | 1,639,387 | 10,228,558 | 9,418,586 | 92.1\% |
| Livingston County Rd | 4701 | 8,987,655 | 771,776 | 5,239,397 | 14,998,828 | 13,402,826 | 89.4\% |
| LMAS Dist Hlth Depar | 4803 | 4,327,933 | 8,286 | 2,583,564 | 6,919,783 | 7,188,329 | 103.9\% |
| Looking Glass Region | 2311 | 49,325 | 0 | 0 | 49,325 | 41,657 | 84.5\% |
| Loutit District Libr | 7013 | 544,740 | 87,632 | 320,289 | 952,661 | 803,033 | 84.3\% |
| Lowell, City of | 4104 | 4,649,246 | 1,627,266 | 3,031,892 | 9,308,404 | 6,949,856 | 74.7\% |
| Luce County | 4804 | 3,191,953 | 55,673 | 1,495,222 | 4,742,848 | 2,576,817 | 54.3\% |
| Luce County Rd Commi | 4801 | 3,579,531 | 3,879 | 3,713,859 | 7,297,269 | 4,333,860 | 59.4\% |
| Ludington, City of | 5302 | 5,660,919 | 20,881 | 9,117,290 | 14,799,090 | 12,064,006 | 81.5\% |
| Ludington-Mason Dist | 5303 | 1,100,398 | 5,906 | 317,119 | 1,423,423 | 1,127,065 | 79.2\% |
| Luna Pier, City of | 5802 | 470,540 | 154,736 | 3,359,083 | 3,984,359 | 2,618,010 | 65.7\% |
| Lyons, Village of | 3411 | 44,997 | 14,424 | 0 | 59,421 | 47,449 | 79.9\% |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total <br> Liability | Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mackinac Co. Housing | 4905 | 39,535 | 0 | 314,060 | 353,595 | 227,330 | 64.3\% |
| Mackinac County | 4901 | 7,719,011 | 117,951 | 2,940,194 | 10,777,156 | 8,528,415 | 79.1\% |
| Mackinac County Rd C | 4903 | 3,359,578 | 8,972 | 2,743,600 | 6,112,150 | 3,844,294 | 62.9\% |
| Mackinac Strts Hosp | 4902 | 9,146,751 | 1,331,649 | 2,329,838 | 12,808,238 | 9,286,792 | 72.5\% |
| Madison Heights, Cit | 6308 | 12,843,240 | 1,003,462 | 15,834,640 | 29,681,342 | 25,391,829 | 85.5\% |
| Madison Township | 4605 | 295,459 | 194,160 | 178,030 | 667,649 | 493,593 | 73.9\% |
| Manistee, City of | 5105 | 3,436,333 | 2,523,242 | 7,003,127 | 12,962,702 | 13,972,151 | 107.8\% |
| Manistee Cnty Rd Com | 5103 | 4,484,513 | 0 | 4,965,059 | 9,449,572 | 4,318,522 | 45.7\% |
| Manistee County | 5101 | 17,831,173 | 1,206,486 | 8,591,803 | 27,629,462 | 21,872,750 | 79.2\% |
| Manistee Housing Com | 5107 | 84,450 | 120,230 | 17,435 | 222,115 | 317,826 | 143.1\% |
| Manistique, City of | 7504 | 3,701,232 | 29,271 | 5,604,240 | 9,334,743 | 5,158,435 | 55.3\% |
| Manlius Township | 311 | 232,571 | 42,694 | 0 | 275,265 | 139,556 | 50.7\% |
| Manton, City of | 8304 | 308,648 | 116,114 | 941,569 | 1,366,331 | 639,912 | 46.8\% |
| Marenisco Township | 2704 | 136,153 | 0 | 0 | 136,153 | 72,934 | 53.6\% |
| Marine City, City of | 7704 | 0 | 0 | 34,506 | 34,506 | 58,101 | 168.4\% |
| Marion, Village of | 6704 | 201,007 | 55,218 | 214,139 | 470,364 | 341,509 | 72.6\% |
| Marlette, City of | 7405 | 571,702 | 563,516 | 0 | 1,135,218 | 639,914 | 56.4\% |
| Marquette, City of | 5201 | 12,534,370 | 3,523,763 | 20,417,407 | 36,475,540 | 26,951,096 | 73.9\% |
| Marquette Brd of Lig | 5209 | 8,209,123 | 2,613,558 | 19,311,231 | 30,133,912 | 23,664,055 | 78.5\% |
| Marquette Charter To | 5215 | 624,470 | 406,539 | 53,449 | 1,084,458 | 637,142 | 58.8\% |
| Marquette Cnty Trans | 5206 | 1,108,057 | 321,619 | 686,810 | 2,116,486 | 1,853,124 | 87.6\% |
| Marquette County | 5202 | 30,585,083 | 3,387,618 | 32,321,527 | 66,294,228 | 46,346,569 | 69.9\% |
| Marquette County Air | 5210 | 1,039,197 | 45,730 | 1,270,010 | 2,354,937 | 1,419,957 | 60.3\% |
| Marquette County Rd | 5211 | 6,975,422 | 1,346,013 | 11,736,647 | 20,058,082 | 10,361,813 | 51.7\% |
| Marquette Waste Mgmt | 5213 | 677,147 | 237,050 | 235,453 | 1,149,650 | 800,384 | 69.6\% |
| Marshall, City of | 1306 | 7,630,142 | 3,184,642 | 13,207,901 | 24,022,685 | 22,495,650 | 93.6\% |
| Marshall Area Fire/A | 1313 | 34,346 | 44,373 | 0 | 78,719 | 68,980 | 87.6\% |
| Marshall District Li | 1309 | 0 | 0 | 276,340 | 276,340 | 247,973 | 89.7\% |
| Mason, City of | 3304 | 3,086,239 | 1,970,010 | 6,362,393 | 11,418,642 | 9,789,872 | 85.7\% |
| Mason County | 5301 | 17,462,583 | 77,400 | 16,213,844 | 33,753,827 | 30,701,195 | 91.0\% |
| Mason County Road Co | 5305 | 2,633,092 | 494,334 | 1,411,734 | 4,539,160 | 2,687,274 | 59.2\% |
| Mason-Oceana Cty Enh | 6403 | 694,770 | 181,611 | 86,970 | 963,351 | 712,203 | 73.9\% |
| Mastodon Township | 3613 | 0 | 0 | 48,176 | 48,176 | 51,883 | 107.7\% |
| MBS International Ai | 902 | 2,729,979 | 114,076 | 4,192,267 | 7,036,322 | 5,353,853 | 76.1\% |
| Meceola Central Disp | 5405 | 963,810 | 528 | 147,511 | 1,111,849 | 889,327 | 80.0\% |
| Mecosta County | 5403 | 14,001,212 | 542,659 | 8,758,443 | 23,302,314 | 20,156,336 | 86.5\% |
| Mecosta County Gener | 5404 | 2,819,612 | 357,805 | 4,692,966 | 7,870,383 | 8,823,965 | 112.1\% |
| Mecosta County Rd Co | 5401 | 2,818,668 | 1,339,265 | 3,530,271 | 7,688,204 | 7,306,608 | 95.0\% |
| Melvindale, City of | 8215 | 11,881,092 | 2,286,662 | 14,568,792 | 28,736,546 | 16,507,292 | 57.4\% |
| Melvindale Housing C | 8220 | 536,978 | 7,842 | 136,751 | 681,571 | 470,344 | 69.0\% |
| Menominee, City of | 5501 | 4,546,069 | 196,518 | 2,813,421 | 7,556,008 | 6,491,001 | 85.9\% |
| Menominee County | 5502 | 7,904,363 | 535,025 | 5,589,319 | 14,028,707 | 10,508,217 | 74.9\% |
| Menominee County Rd | 5503 | 2,100,983 | 5,077 | 1,264,205 | 3,370,265 | 2,350,619 | 69.7\% |
| Meridian Charter Tow | 3315 | 19,850,445 | 2,210,619 | 13,785,932 | 35,846,996 | 18,966,620 | 52.9\% |
| Metamora Township | 4409 | 309,381 | 87,666 | 0 | 397,047 | 314,122 | 79.1\% |
| Mich. Grand River Wa | 3306 | 0 | 0 | 14,831 | 14,831 | 13,097 | 88.3\% |
| Mich S Cntrl Pwr Age | 3002 | 5,798,756 | 273,247 | 2,437,037 | 8,509,040 | 6,118,262 | 71.9\% |
| Middleville, Village | 803 | 422,270 | 167,226 | 216,868 | 806,364 | 865,482 | 107.3\% |
| Midland, City of | 5601 | 35,997,361 | 3,023,516 | 62,167,801 | 101,188,678 | 76,147,020 | 75.3\% |
| Midland Auth for Cen | 5604 | 967,330 | 245,240 | 26,134 | 1,238,704 | 956,521 | 77.2\% |
| Midland County Road | 5602 | 3,696,548 | 1,150,201 | 7,140,481 | 11,987,230 | 8,418,073 | 70.2\% |
| Mid Michigan Dist Hl | 5901 | 3,388,861 | 471,807 | 2,332,953 | 6,193,621 | 5,542,334 | 89.5\% |
| Mid-Michigan Library | 8306 | 306,333 | 4,082 | 181,888 | 492,303 | 525,815 | 106.8\% |
| Mid Peninsula Lbry C | 3609 | 104,565 | 5,728 | 237,414 | 347,707 | 303,640 | 87.3\% |
| Milan, City of | 5801 | 3,901,354 | 125,051 | 5,629,813 | 9,656,218 | 6,302,165 | 65.3\% |
| Milan Library | 5806 | 129,481 | 0 | 151,023 | 280,504 | 206,361 | 73.6\% |
| Milford, Village of | 6313 | 5,275,610 | 142,684 | 3,726,143 | 9,144,437 | 6,326,257 | 69.2\% |
| Millington, Village | 7904 | 564,952 | 184,573 | 409,129 | 1,158,654 | 1,127,381 | 97.3\% |
| MI Mun Emplys Ret Sy | 2308 | 4,759,595 | 635,383 | 941,664 | 6,336,642 | 4,498,837 | 71.0\% |
| MI Municipal Risk Mg | 8237 | 161,437 | 175,434 | 0 | 336,871 | 266,862 | 79.2\% |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired Liability | Total Liability | Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Missaukee County | 5702 | 2,738,465 | 167,834 | 504,741 | 3,411,040 | 2,137,638 | 62.7\% |
| M O A Solid Waste Mg | 6002 | 280,751 | 0 | 443,114 | 723,865 | 541,342 | 74.8\% |
| Monroe Housing Commi | 5808 | 173,512 | 50,049 | 1,128,168 | 1,351,729 | 968,257 | 71.6\% |
| Montague, City of | 6112 | 1,677,002 | 502,344 | 466,560 | 2,645,906 | 2,068,591 | 78.2\% |
| Montcalm County Rd C | 5905 | 3,367,365 | 717,396 | 8,006,897 | 12,091,658 | 8,660,369 | 71.6\% |
| Montmorency County | 6001 | 3,770,643 | 47,559 | 4,090,762 | 7,908,964 | 4,836,066 | 61.1\% |
| Montrose, City of | 2509 | 492,859 | 43,335 | 304,560 | 840,754 | 419,306 | 49.9\% |
| Mt. Morris, Township | 2503 | 10,731,600 | 463,826 | 9,008,438 | 20,203,864 | 13,116,735 | 64.9\% |
| Mt. Pleasant, City o | 3701 | 8,687,095 | 2,448,899 | 7,725,742 | 18,861,736 | 15,966,193 | 84.6\% |
| Muir, Village of | 3405 | 157,766 | 26,961 | 244,816 | 429,543 | 244,513 | 56.9\% |
| Mundy,Charter Townsh | 2517 | 1,825,632 | 342,943 | 514,893 | 2,683,468 | 1,441,040 | 53.7\% |
| Munising, City of | 202 | 2,788,864 | 21,430 | 3,081,965 | 5,892,259 | 4,868,274 | 82.6\% |
| Muskegon, City of | 6116 | 16,719,573 | 6,066,597 | 40,751,293 | 63,537,463 | 63,652,163 | 100.2\% |
| Muskegon County | 6103 | 103,880,425 | 6,716,994 | 64,653,025 | 175,250,444 | 150,499,461 | 85.9\% |
| Muskegon County Rd C | 6101 | 5,819,692 | 292,577 | 14,081,067 | 20,193,336 | 16,887,675 | 83.6\% |
| Muskegon Heights, Ci | 6102 | 5,443,490 | 2,361,659 | 22,087,585 | 29,892,734 | 26,973,198 | 90.2\% |
| Muskegon Heights Hou | 6115 | 359,148 | 177,798 | 123,020 | 659,966 | 730,898 | 110.7\% |
| Muskegon Housing Com | 6113 | 316,000 | 58,917 | 0 | 374,917 | 263,742 | 70.3\% |
| Negaunee, City of | 5203 | 3,946,154 | 54,442 | 5,334,888 | 9,335,484 | 6,824,499 | 73.1\% |
| Negaunee Township | 5217 | 132,052 | 100,258 | 0 | 232,310 | 102,512 | 44.1\% |
| NE Ottawa Dist Libra | 7011 | 105,483 | 2,767 | 128,004 | 236,254 | 177,729 | 75.2\% |
| Newaygo County | 6201 | 10,602,368 | 136,122 | 8,947,133 | 19,685,623 | 17,533,131 | 89.1\% |
| Newaygo Cty Mental H | 6207 | 1,252,021 | 815 | 900,846 | 2,153,682 | 2,271,400 | 105.5\% |
| Newaygo Medical Care | 6204 | 3,336,561 | 1,150,338 | 4,491,629 | 8,978,528 | 9,066,545 | 101.0\% |
| Newaygo Soil/Wtr C | 6205 | 43,410 | 12,055 | 0 | 55,465 | 68,072 | 122.7\% |
| Newberry, Village of | 4802 | 1,506,872 | 15,962 | 2,110,508 | 3,633,342 | 2,672,693 | 73.6\% |
| N Houghton Cnty Wtr | 3106 | 239,899 | 0 | 0 | 239,899 | 173,951 | 72.5\% |
| Niles District Libra | 1105 | 345,350 | 99,039 | 0 | 444,389 | 461,839 | 103.9\% |
| N Muskegon, City of | 6104 | 1,552,468 | 604,682 | 2,981,159 | 5,138,309 | 4,032,896 | 78.5\% |
| No. Mich. Comm. Mntl | 2403 | 0 | 0 | 39,267 | 39,267 | 58,881 | 150.0\% |
| Northfield Township | 8117 | 212,318 | 347,070 | 0 | 559,388 | 401,658 | 71.8\% |
| Northport, Village o | 4502 | 0 | 0 | 641 | 641 | 459 | 71.6\% |
| Northville, City of | 8208 | 6,902,213 | 82,401 | 9,526,706 | 16,511,320 | 10,914,256 | 66.1\% |
| Northville District | 8229 | 1,171,174 | 0 | 340,789 | 1,511,963 | 1,196,493 | 79.1\% |
| Northville Township | 8230 | 5,947,995 | 3,930,592 | 2,742,444 | 12,621,031 | 8,006,422 | 63.4\% |
| Northwestern Reg Arp | 2805 | 2,508,152 | 48,583 | 436,235 | 2,992,970 | 2,511,119 | 83.9\% |
| Northwest MI Comm HA | 1502 | 3,058,507 | 20,873 | 1,485,252 | 4,564,632 | 3,947,725 | 86.5\% |
| Norton Shores, City | 6106 | 13,187,385 | 107,406 | 15,974,589 | 29,269,380 | 18,373,178 | 62.8\% |
| Norway, City of | 2204 | 3,262,273 | 793,965 | 9,585,964 | 13,642,202 | 8,186,174 | 60.0\% |
| Novi, City of | 6320 | 30,222,234 | 3,288,392 | 21,542,333 | 55,052,959 | 38,802,064 | 70.5\% |
| N Pointe Behavioral | 2207 | 4,843,221 | 807,450 | 1,223,900 | 6,874,571 | 7,198,665 | 104.7\% |
| Nrthrn Lakes Comm MH | 2808 | 10,424,170 | 62,742 | 8,792,279 | 19,279,191 | 18,010,035 | 93.4\% |
| Oceana County | 6402 | 12,202,948 | 2,986,318 | 7,302,768 | 22,492,034 | 18,845,279 | 83.8\% |
| Oceola Township | 4717 | 142,859 | 232,192 | 0 | 375,051 | 261,920 | 69.8\% |
| Ogemaw County | 6502 | 8,674,151 | 2,234,528 | 7,055,878 | 17,964,557 | 16,249,870 | 90.5\% |
| Ogemaw County EMS Au | 6508 | 924,167 | 185,580 | 89,217 | 1,198,964 | 956,512 | 79.8\% |
| Ogemaw County Rd Com | 6503 | 2,491,245 | 850,698 | 3,390,537 | 6,732,480 | 4,645,994 | 69.0\% |
| Olive Township | 7009 | 123,808 | 46,947 | 86,220 | 256,975 | 237,683 | 92.5\% |
| Onaway, City of | 7105 | 365,426 | 17,534 | 55,376 | 438,336 | 420,635 | 96.0\% |
| Ontonagon, Village o | 6603 | 1,425,338 | 19,517 | 1,104,409 | 2,549,264 | 1,911,089 | 75.0\% |
| Ontonagon Cnty Econ | 6605 | 0 | 0 | 112,243 | 112,243 | 85,010 | 75.7\% |
| Ontonagon County | 6602 | 4,324,193 | 22,173 | 2,186,540 | 6,532,906 | 5,231,604 | 80.1\% |
| Ontonagon County Rd | 6604 | 8,743,387 | 0 | 6,123,606 | 14,866,993 | 8,084,136 | 54.4\% |
| Ontonagon Memorial H | 6601 | 6,611,052 | 2,581,730 | 5,131,406 | 14,324,188 | 11,678,365 | 81.5\% |
| Orchard Lake, City o | 6312 | 2,927,115 | 95,414 | 866,702 | 3,889,231 | 2,975,029 | 76.5\% |
| Osceola County | 6701 | 6,878,678 | 151,501 | 3,088,410 | 10,118,589 | 8,822,992 | 87.2\% |
| Osceola County Rd Co | 6703 | 2,863,089 | 197,470 | 3,319,751 | 6,380,310 | 5,369,204 | 84.2\% |
| Oscoda Charter Towns | 3503 | 1,461,014 | 454,143 | 696,434 | 2,611,591 | 2,012,946 | 77.1\% |
| Oscoda County | 6801 | 3,837,316 | 471,808 | 2,866,007 | 7,175,131 | 5,540,659 | 77.2\% |
| Otisville, Village o | 2506 | 424,636 | 34,118 | 340,069 | 798,823 | 725,167 | 90.8\% |


| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total Liability | Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Otsego County | 6902 | 10,305,907 | 760,064 | 5,605,532 | 16,671,503 | 11,833,430 | 71.0\% |
| Otsego County Rd Com | 6901 | 4,425,152 | 74,530 | 3,150,162 | 7,649,844 | 6,281,809 | 82.1\% |
| Ottawa County | 7003 | 86,779,978 | 7,498,204 | 44,156,701 | 138,434,883 | 116,418,835 | 84.1\% |
| Ottawa County Cntrl | 7008 | 973,664 | 54,136 | 490,160 | 1,517,960 | 1,451,371 | 95.6\% |
| Ottawa County Rd Com | 7002 | 16,173,815 | 1,565,434 | 20,794,599 | 38,533,848 | 31,130,701 | 80.8\% |
| Otter Lake, Village | 4408 | 56,775 | 8,325 | 0 | 65,100 | 44,607 | 68.5\% |
| Owosso, City of | 7607 | 1,007,627 | 312,162 | 2,305,852 | 3,625,641 | 3,662,770 | 101.0\% |
| Oxford, Village of | 6326 | 1,027,199 | 2,715 | 1,268,668 | 2,298,582 | 1,665,829 | 72.5\% |
| Oxford Public, Fire | 6327 | 461,902 | 18,433 | 3,097,114 | 3,577,449 | 2,629,865 | 73.5\% |
| Parchment, City of | 3901 | 998,082 | 456,940 | 854,385 | 2,309,407 | 2,177,414 | 94.3\% |
| Pathways(Spr.Bhvl.Mn | 5214 | 20,819,785 | 1,449,047 | 22,885,872 | 45,154,704 | 29,836,806 | 66.1\% |
| Paw Paw, Village of | 8002 | 2,300,665 | 753,741 | 2,823,692 | 5,878,098 | 5,553,860 | 94.5\% |
| Paw Paw Lk Reg Jnt S | 1103 | 681,784 | 147,785 | 168,197 | 997,766 | 901,393 | 90.3\% |
| Pellston, Village of | 2404 | 177,589 | 33,286 | 0 | 210,875 | 147,407 | 69.9\% |
| Pennfield Charter To | 1312 | 517,942 | 359,803 | 500,085 | 1,377,830 | 943,131 | 68.5\% |
| Pentwater, Village o | 6401 | 534,563 | 157,785 | 546,812 | 1,239,160 | 1,061,762 | 85.7\% |
| Perrinton, Village o | 2909 | 28,034 | 9,563 | 0 | 37,597 | 28,694 | 76.3\% |
| Petersburg, City of | 5807 | 96,722 | 65,337 | 0 | 162,059 | 115,476 | 71.3\% |
| Petoskey, City of | 2402 | 9,543,051 | 85,285 | 7,414,879 | 17,043,215 | 14,031,109 | 82.3\% |
| Pewamo, Village of | 3407 | 110,067 | 10,630 | 0 | 120,697 | 72,252 | 59.9\% |
| Pigeon, Village of | 3203 | 385,462 | 140,028 | 394,152 | 919,642 | 711,559 | 77.4\% |
| Pinckney, Village of | 4706 | 948,072 | 225,797 | 411,853 | 1,585,722 | 1,313,075 | 82.8\% |
| Pinconning, City of | 904 | 574,174 | 237,999 | 989,938 | 1,802,111 | 1,518,666 | 84.3\% |
| Pittsfield Charter T | 8110 | 7,470,008 | 2,841,722 | 2,370,170 | 12,681,900 | 9,015,922 | 71.1\% |
| Pleasant Ridge, City | 6301 | 1,404,902 | 3,971 | 2,417,612 | 3,826,485 | 2,672,862 | 69.9\% |
| Plymouth, City of | 8202 | 2,979,368 | 21,585 | 13,616,030 | 16,616,983 | 9,869,612 | 59.4\% |
| Plymouth District Li | 8221 | 1,826,547 | 131,365 | 304,712 | 2,262,624 | 2,541,742 | 112.3\% |
| Plymouth Township | 8238 | 5,166,913 | 7,680,270 | 2,745,675 | 15,592,858 | 11,284,640 | 72.4\% |
| Port Austin, Village | 3208 | 136,742 | 95,783 | 97,746 | 330,271 | 296,100 | 89.7\% |
| Port Austin Area Swr | 3210 | 30,636 | 47,388 | 0 | 78,024 | 128,437 | 164.6\% |
| Port Huron, City of | 7702 | 48,728,484 | 3,126,979 | 69,909,888 | 121,765,351 | 103,052,997 | 84.6\% |
| Port Huron Charter T | 7711 | 748,792 | 951,724 | 273,315 | 1,973,831 | 1,392,015 | 70.5\% |
| Portland, City of | 3401 | 4,681,241 | 230,732 | 4,007,642 | 8,919,615 | 6,642,678 | 74.5\% |
| Port Sanilac, Villag | 7403 | 472,008 | 57,586 | 128,123 | 657,717 | 343,507 | 52.2\% |
| Presque Isle Cnty Rd | 7101 | 3,332,620 | 83,527 | 4,680,680 | 8,096,827 | 6,096,661 | 75.3\% |
| Presque Isle County | 7104 | 4,230,885 | 878,944 | 2,501,146 | 7,610,975 | 6,527,053 | 85.8\% |
| PRIDE Youth Programs | 6210 | 422,629 | 0 | 0 | 422,629 | 341,970 | 80.9\% |
| Ravenna, Village of | 6111 | 290,300 | 19,754 | 0 | 310,054 | 269,702 | 87.0\% |
| Reading, City of | 3003 | 170,570 | 0 | 59,838 | 230,408 | 204,873 | 88.9\% |
| Redford Township | 8209 | 17,558,393 | 965,416 | 20,577,675 | 39,101,484 | 31,958,330 | 81.7\% |
| Redford Twp Dist Lib | 8228 | 674,784 | 48,429 | 850,881 | 1,574,094 | 1,411,904 | 89.7\% |
| Reed City, City of | 6702 | 2,400,483 | 11,040 | 1,686,942 | 4,098,465 | 2,929,086 | 71.5\% |
| Richfield Township(G) | 2514 | 1,424,370 | 422,725 | 389,670 | 2,236,765 | 1,249,309 | 55.9\% |
| Richfield Twp(Roscom | 7202 | 314,186 | 138,487 | 1,409,083 | 1,861,756 | 1,208,955 | 64.9\% |
| Richland Township | 7310 | 1,874,522 | 56,803 | 700,912 | 2,632,237 | 1,552,746 | 59.0\% |
| Rochester, City of | 6307 | 7,039,696 | 2,310,077 | 5,335,229 | 14,685,002 | 13,164,029 | 89.6\% |
| Rockford, City of | 4103 | 3,335,808 | 55,499 | 1,034,835 | 4,426,142 | 3,166,104 | 71.5\% |
| Rockwood, City of | 5810 | 1,187,542 | 0 | 308,622 | 1,496,164 | 1,526,534 | 102.0\% |
| Rogers City, City of | 7102 | 2,720,975 | 619,739 | 4,479,685 | 7,820,399 | 5,965,596 | 76.3\% |
| Romeo, Village of | 5005 | 3,157,776 | 210,323 | 1,148,572 | 4,516,671 | 3,588,475 | 79.4\% |
| Romeo District Libra | 5006 | 837,512 | 163,287 | 1,044,929 | 2,045,728 | 1,344,188 | 65.7\% |
| Romulus, City of | 8225 | 13,491,123 | 2,565,304 | 16,860,255 | 32,916,682 | 15,573,416 | 47.3\% |
| Roosevelt Park, City | 6107 | 1,729,242 | 36,854 | 1,724,856 | 3,490,952 | 2,879,360 | 82.5\% |
| Roscommon County | 7201 | 8,496,003 | 1,017,519 | 5,210,128 | 14,723,650 | 12,462,303 | 84.6\% |
| Roscommon County Tra | 7205 | 1,312,475 | 4,471 | 176,480 | 1,493,426 | 1,137,692 | 76.2\% |
| Rose City, City of | 6504 | 189,733 | 77,029 | 151,311 | 418,073 | 519,111 | 124.2\% |
| Rose Township | 6506 | 30,609 | 15,265 | 30,386 | 76,260 | 236,502 | 310.1\% |
| Royal Oak Township | 6306 | 552,493 | 212,628 | 2,035,285 | 2,800,406 | 5,182,188 | 185.1\% |
| Saginaw, City of | 7301 | 22,353,421 | 6,433,614 | 107,567,605 | 136,354,640 | 75,075,398 | 55.1\% |
| Saginaw Cnty Comm MH | 7318 | 6,072,171 | 186,356 | 8,259,602 | 14,518,129 | 10,958,957 | 75.5\% |

Actuarial Accrued Liability

| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total <br> Liability | Value of Assets | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Saginaw Co 911 Comm | 7316 | 4,030,090 | 160,221 | 3,542,591 | 7,732,902 | 6,418,904 | 83.0\% |
| Saginaw County | 7303 | 54,188,102 | 5,014,649 | 62,643,924 | 121,846,675 | 91,934,019 | 75.5\% |
| Saginaw County Rd Co | 7304 | 6,110,631 | 2,202,601 | 15,169,207 | 23,482,439 | 23,789,437 | 101.3\% |
| Saginaw Housing Comm | 7321 | 2,421,398 | 647,142 | 144,078 | 3,212,618 | 1,755,858 | 54.7\% |
| Saginaw Midland Mun | 7305 | 1,046,968 | 253,186 | 1,964,283 | 3,264,437 | 2,456,342 | 75.2\% |
| Saginaw Public Libra | 7317 | 325,628 | 154,426 | 0 | 480,054 | 731,304 | 152.3\% |
| Saginaw Transit Syst | 7319 | 621,330 | 100,669 | 0 | 721,999 | 965,285 | 133.7\% |
| Saginaw Twp Police D | 7314 | 5,040,408 | 730,554 | 6,609,479 | 12,380,441 | 9,266,848 | 74.9\% |
| Saline, City of | 8105 | 8,181,491 | 186,025 | 7,871,908 | 16,239,424 | 11,300,925 | 69.6\% |
| Sandusky, City of | 7402 | 1,968,018 | 396,951 | 866,272 | 3,231,241 | 1,363,816 | 42.2\% |
| Sandusky District Li | 7404 | 93,353 | 33,932 | 0 | 127,285 | 113,110 | 88.9\% |
| Saranac Housing Comm | 3413 | 172,292 | 156,314 | 144,539 | 473,145 | 342,948 | 72.5\% |
| Saugatuck, City of | 307 | 963,403 | 28,106 | 144,911 | 1,136,420 | 1,065,473 | 93.8\% |
| Saugatuck Township | 305 | 224,352 | 6,689 | 768,500 | 999,541 | 642,128 | 64.2\% |
| Sault Ste. Marie, Ci | 1701 | 8,194,905 | 3,314,801 | 8,600,590 | 20,110,296 | 19,430,327 | 96.6\% |
| Sault Ste. Marie Hou | 4906 | 778,175 | 225,711 | 0 | 1,003,886 | 969,201 | 96.5\% |
| Schoolcraft County | 7503 | 10,168,500 | 1,782,773 | 8,251,897 | 20,203,170 | 15,984,517 | 79.1\% |
| Schoolcraft County R | 7501 | 3,790,553 | 87,262 | 6,623,289 | 10,501,104 | 6,660,345 | 63.4\% |
| Schoolcraft Memorial | 7505 | 5,942,166 | 2,352,743 | 7,209,929 | 15,504,838 | 13,135,412 | 84.7\% |
| Scio Townshio | 8116 | 128,557 | 47,686 | 0 | 176,243 | 89,726 | 50.9\% |
| S Clinton Co Mun Uti | 1905 | 1,339,362 | 447,717 | 144,450 | 1,931,529 | 2,038,430 | 105.5\% |
| Sebewaing, Village o | 3205 | 2,008,618 | 693,891 | 2,937,119 | 5,639,628 | 4,325,940 | 76.7\% |
| SE Oakland Co Resrc | 6310 | 1,267,347 | 46,577 | 3,455,399 | 4,769,323 | 4,395,522 | 92.2\% |
| SE Oakland Co Water | 6309 | 3,815,825 | 107,262 | 3,197,389 | 7,120,476 | 4,883,741 | 68.6\% |
| Shepherd, Village of | 3704 | 115,756 | 33,654 | 103,301 | 252,711 | 390,401 | 154.5\% |
| Shiawassee Council o | 7605 | 326,876 | 121,074 | 91,129 | 539,079 | 445,077 | 82.6\% |
| Shiawassee County | 7602 | 41,052,015 | 1,053,526 | 36,059,646 | 78,165,187 | 52,366,775 | 67.0\% |
| Shiawassee County CM | 7609 | 4,996,716 | 37,100 | 2,509,089 | 7,542,905 | 7,509,633 | 99.6\% |
| Shiawassee County Rd | 7601 | 3,786,674 | 1,191,580 | 10,262,687 | 15,240,941 | 11,141,314 | 73.1\% |
| Shiawassee District | 7606 | 739,321 | 336,285 | 214,561 | 1,290,167 | 1,400,342 | 108.5\% |
| Sims Whitney Utiliti | 606 | 143,897 | 0 | 0 | 143,897 | 115,428 | 80.2\% |
| SMART | 8216 | 97,784,630 | 5,866,194 | 54,074,390 | 157,725,214 | 132,546,914 | 84.0\% |
| Southeast MI Council | 8210 | 12,625,380 | 28,165 | 7,521,535 | 20,175,080 | 24,774,972 | 122.8\% |
| South Haven, City of | 8001 | 5,462,973 | 2,117,060 | 9,910,867 | 17,490,900 | 20,471,936 | 117.0\% |
| South Haven Emer Ser | 8005 | 1,592,585 | 955,202 | 278,511 | 2,826,298 | 2,409,103 | 85.2\% |
| South Lyon, City of | 6315 | 5,242,210 | 376,425 | 1,866,360 | 7,484,995 | 5,645,947 | 75.4\% |
| Sparta, Village of | 4107 | 1,677,154 | 358,764 | 1,163,071 | 3,198,989 | 1,688,178 | 52.8\% |
| Springfield, City of | 1303 | 3,225,787 | 625,552 | 4,494,764 | 8,346,103 | 7,390,738 | 88.6\% |
| Spring Lake District | 7016 | 492,686 | 251,733 | 0 | 744,419 | 745,786 | 100.2\% |
| St. Charles, Village | 7308 | 1,644,128 | 106,655 | 760,374 | 2,511,157 | 1,771,944 | 70.6\% |
| St. Clair, City of | 7703 | 8,443,816 | 640,775 | 4,447,278 | 13,531,869 | 9,994,722 | 73.9\% |
| St. Clair Area Fire | 7710 | 12,327 | 0 | 0 | 12,327 | 64,108 | 520.1\% |
| St. Ignace, City of | 4904 | 4,609,748 | 83,693 | 2,083,766 | 6,777,207 | 5,019,706 | 74.1\% |
| St. Johns, City of | 1902 | 5,923,762 | 146,970 | 7,028,350 | 13,099,082 | 9,055,038 | 69.1\% |
| St. Louis, City of | 2902 | 1,957,067 | 399,034 | 4,127,786 | 6,483,887 | 5,395,866 | 83.2\% |
| Stambaugh Township | 3615 | 22,769 | 11,555 | 51,416 | 85,740 | 59,969 | 69.9\% |
| Standish, City of | 601 | 1,287,603 | 38,095 | 899,507 | 2,225,205 | 1,403,259 | 63.1\% |
| Stanton, City of | 5903 | 40,023 | 15,166 | 9,247 | 64,436 | 97,035 | 150.6\% |
| St Clair Shores Hous | 5007 | 475,572 | 198,722 | 840,470 | 1,514,764 | 1,042,031 | 68.8\% |
| Stephenson, City of | 5504 | 178,524 | 0 | 77,222 | 255,746 | 95,264 | 37.2\% |
| Sterling, Village of | 605 | 10,671 | 25,569 | 48,856 | 85,096 | 214,157 | 251.7\% |
| St Joseph County | 7803 | 6,096,591 | 541,430 | 3,751,870 | 10,389,891 | 9,029,227 | 86.9\% |
| St Louis Housing Com | 2908 | 459,130 | 0 | 0 | 459,130 | 264,236 | 57.6\% |
| Stockbridge, Village | 3316 | 117,343 | 53,149 | 345,678 | 516,170 | 214,198 | 41.5\% |
| Summit Township | 3803 | 3,599,069 | 149,989 | 3,979,404 | 7,728,462 | 5,938,086 | 76.8\% |
| Sumpter Township | 8226 | 1,143,461 | 627,656 | 870,377 | 2,641,494 | 1,368,529 | 51.8\% |
| Superior Charter Tow | 8109 | 1,472,740 | 900,351 | 1,054,335 | 3,427,426 | 2,443,924 | 71.3\% |
| Superiorland Lbry Co | 5208 | 439,271 | 134,231 | 0 | 573,502 | 670,339 | 116.9\% |
| Swan Creek Township | 7309 | 355,194 | 68,844 | 34,226 | 458,264 | 301,593 | 65.8\% |
| Swartz Creek, City o | 2504 | 2,250,628 | 342,436 | 5,420,492 | 8,013,556 | 7,146,449 | 89.2\% |

Actuarial Accrued Liability

| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total Liability | Actuarial Value of Assets | Percent Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sylvan Lake, City of | 6314 | 608,765 | 273,153 | 934,881 | 1,816,799 | 1,558,184 | 85.8\% |
| Tawas Police Authori | 3504 | 396,274 | 168,956 | 212,533 | 777,763 | 403,066 | 51.8\% |
| Taylor Housing Comm | 8231 | 109,220 | 48,440 | 0 | 157,660 | 141,315 | 89.6\% |
| Thirty-Fifth Distric | 8234 | 921,660 | 1,300,228 | 1,048,106 | 3,269,994 | 2,555,022 | 78.1\% |
| Thirty-Fourth Distri | 8235 | 1,547,769 | 1,454,713 | 387,403 | 3,389,885 | 2,299,661 | 67.8\% |
| Three Rivers, City o | 7801 | 5,755,126 | 1,144,122 | 4,396,872 | 11,296,120 | 9,806,804 | 86.8\% |
| Three Rivers Hospita | 7802 | 0 | 0 | 12,681 | 12,681 | 13,923 | 109.8\% |
| Traverse Area Dist L | 2807 | 2,976,250 | 39,443 | 626,947 | 3,642,640 | 2,450,324 | 67.3\% |
| Traverse City, City | 2801 | 25,074,935 | 906,432 | 21,626,718 | 47,608,085 | 37,648,129 | 79.1\% |
| Trenton, City of | 8203 | 10,012,864 | 2,580,304 | 27,998,647 | 40,591,815 | 30,012,752 | 73.9\% |
| Tri-County Aging Con | 3307 | 3,317,983 | 23,636 | 1,715,455 | 5,057,074 | 5,628,795 | 111.3\% |
| Trio Council on Agin | 6507 | 43,332 | 0 | 198,670 | 242,002 | 296,936 | 122.7\% |
| Tuscarora Twp Pol Dp | 1604 | 653,510 | 30,656 | 220,963 | 905,129 | 537,122 | 59.3\% |
| Tuscola Co Comm Mntl | 7907 | 3,999,886 | 1,997,839 | 2,643,714 | 8,641,439 | 8,962,908 | 103.7\% |
| Tuscola Co Hlth Dpt | 7901 | 3,352,100 | 839,004 | 1,818,011 | 6,009,115 | 5,488,915 | 91.3\% |
| Tuscola Co Med Care | 7906 | 3,021,617 | 2,286,160 | 2,991,348 | 8,299,125 | 9,725,999 | 117.2\% |
| Tuscola County | 7902 | 10,846,361 | 3,051,836 | 7,362,261 | 21,260,458 | 20,136,041 | 94.7\% |
| Tuscola County Road | 7908 | 1,126,642 | 302,800 | 1,941,001 | 3,370,443 | 2,335,396 | 69.3\% |
| Twenty Sixth Jud Cir | 403 | 1,886,199 | 25,444 | 356,192 | 2,267,835 | 2,540,597 | 112.0\% |
| Twenty Third Judicia | 8223 | 1,198,744 | 453,339 | 501,194 | 2,153,277 | 2,067,013 | 96.0\% |
| Twin Cities Pub Sfty | 3610 | 26,615 | 36,887 | 17,159 | 80,661 | 98,387 | 122.0\% |
| Ubly, Village of | 3212 | 110,629 | 96,569 | 374,454 | 581,652 | 356,858 | 61.4\% |
| Utica, City of | 5008 | 1,364,577 | 671,839 | 1,131,746 | 3,168,162 | 2,248,016 | 71.0\% |
| Van Buren County | 8006 | 8,079,847 | 6,242,835 | 3,074,995 | 17,397,677 | 10,663,072 | 61.3\% |
| Van Buren District L | 8007 | 626,774 | 381,388 | 0 | 1,008,162 | 658,726 | 65.3\% |
| Van Buren Township | 8236 | 3,952,864 | 2,469,062 | 0 | 6,421,926 | 3,692,172 | 57.5\% |
| Vassar, City of | 7903 | 1,848,074 | 575,265 | 2,533,500 | 4,956,839 | 4,163,696 | 84.0\% |
| Vevay Township | 3318 | 164,279 | 151,930 | 0 | 316,209 | 197,104 | 62.3\% |
| Vicksburg, Village o | 3902 | 934,763 | 0 | 932,964 | 1,867,727 | 1,344,169 | 72.0\% |
| Vicksburg District L | 3904 | 42,712 | 0 | 29,774 | 72,486 | 48,065 | 66.3\% |
| Vienna Township | 2522 | 284,872 | 348,529 | 0 | 633,401 | 493,125 | 77.9\% |
| Village of Bancroft | 7610 | (7) | 0 | 81,756 | 81,749 | 39,985 | 48.9\% |
| Village of Bingham F | 6332 | 114,910 | 0 | 0 | 114,910 | 64,784 | 56.4\% |
| Village of Farwell | 1805 | 155,173 | 97,929 | 0 | 253,102 | 142,223 | 56.2\% |
| Village of Mackinaw | 1606 | 129,866 | 263,772 | 0 | 393,638 | 372,623 | 94.7\% |
| Village of Spring La | 7015 | 771,493 | 942,932 | 424,046 | 2,138,471 | 1,484,685 | 69.4\% |
| Wakefield, City of | 2701 | 1,216,848 | 395,563 | 2,054,751 | 3,667,162 | 3,097,686 | 84.5\% |
| Walker, City of | 4112 | 7,012,808 | 362,446 | 8,157,799 | 15,533,053 | 8,783,397 | 56.5\% |
| Walled Lake, City of | 6324 | 4,160,084 | 1,021,639 | 4,914,066 | 10,095,789 | 3,364,957 | 33.3\% |
| Washtenaw County Rd | 8102 | 16,322,532 | 5,113,160 | 16,150,253 | 37,585,945 | 28,301,161 | 75.3\% |
| Washtenaw County She | 8113 | 22,898,042 | 8,790,799 | 1,753,714 | 33,442,555 | 24,068,415 | 72.0\% |
| Wayland, City of | 304 | 3,260,748 | 79,132 | 504,967 | 3,844,847 | 2,971,707 | 77.3\% |
| Webberville, Village | 3314 | 62,632 | 57,703 | 128,064 | 248,399 | 94,613 | 38.1\% |
| West Branch, City of | 6505 | 1,839,311 | 568,269 | 890,069 | 3,297,649 | 2,673,496 | 81.1\% |
| West Iron Co Sewer A | 3612 | 270,876 | 10,369 | 495,213 | 776,458 | 566,157 | 72.9\% |
| Westland, City of | 8211 | 35,262,783 | 498,989 | 54,074,725 | 89,836,497 | 52,375,178 | 58.3\% |
| Westphalia, Village | 1907 | 282,872 | 0 | 24,335 | 307,207 | 278,681 | 90.7\% |
| Wexford County | 8302 | 10,057,385 | 1,934,463 | 6,888,740 | 18,880,588 | 13,763,241 | 72.9\% |
| Wexford County Rd Co | 8303 | 3,710,883 | 279,979 | 5,986,249 | 9,977,111 | 6,570,833 | 65.9\% |
| White Cloud, City of | 6206 | 439,872 | 0 | 114,808 | 554,680 | 400,757 | 72.3\% |
| White Cloud/Sherman | 6211 | 55,658 | 53,419 | 0 | 109,077 | 64,796 | 59.4\% |
| White Cloud Comm Lib | 6208 | 243,338 | 35,265 | 0 | 278,603 | 227,383 | 81.6\% |
| Whitehall, City of | 6105 | 2,460,835 | 16,410 | 1,466,175 | 3,943,420 | 3,394,288 | 86.1\% |
| White Lake Charter T | 6325 | 7,034,266 | 3,467,289 | 4,181,679 | 14,683,234 | 11,548,944 | 78.7\% |
| White Pigeon Village | 7804 | 15,726 | 3,515 | 0 | 19,241 | 22,136 | 115.0\% |
| White Pine Library | 5904 | 62,874 | 19,714 | 103,866 | 186,454 | 113,351 | 60.8\% |
| Willard Public Libra | 1308 | 673,990 | 247,372 | 0 | 921,362 | 798,214 | 86.6\% |
| Williamston, City of | 3310 | 775,993 | 418,470 | 2,276,554 | 3,471,017 | 2,351,728 | 67.8\% |
| Wixom, City of | 6316 | 9,788,745 | 1,443,707 | 6,177,469 | 17,409,921 | 11,646,321 | 66.9\% |
| W MI Comm Mntl Hlth | 5304 | 1,574,062 | 146,075 | 2,507,028 | 4,227,165 | 4,652,581 | 110.1\% |

## MERS 12/31/2006 Valuation - Results by Municipality

Actuarial Accrued Liability

| Municipality Name | Number | Employer Liability | Employee Liability | Retired <br> Liability | Total Liability | Actuarial <br> Value of Assets | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| W MI Shoreline Reg D | 6110 | 1,648,085 | 18,903 | 566,949 | 2,233,937 | 3,415,188 | 152.9\% |
| Wolverine Lake, Vill | 6329 | 385,241 | 363,726 | 1,148,668 | 1,897,635 | 995,394 | 52.5\% |
| W UP Dist Hlth Dept | 3101 | 5,800,717 | 6,269 | 2,835,315 | 8,642,301 | 7,289,133 | 84.3\% |
| WUPPDR | 3108 | 74,756 | 557,070 | 0 | 631,826 | 675,294 | 106.9\% |
| Ypsilanti, City of | 8101 | 2,659,873 | 1,093,179 | 7,518,042 | 11,271,094 | 16,815,491 | 149.2\% |
| Ypsilanti, Township | 8104 | 6,341,737 | 2,099,448 | 4,948,906 | 13,390,091 | 11,496,625 | 85.9\% |
| Ypsilanti Comm Util | 8106 | 20,093,480 | 1,037,787 | 14,652,436 | 35,783,703 | 24,848,546 | 69.4\% |
| Ypsilanti Housing Co | 8115 | 215,416 | 104,486 | 216,864 | 536,766 | 435,730 | 81.2\% |
| Totals - Active Groups | 650 | 3,350,031,056 | 517,249,420 | 3,303,149,003 | 7,170,429,479 | 5,473,282,669 | 76.3\% |
| Totals - Closed Groups | 18 | 5,159,401 | 787,384 | 11,368,718 | 17,315,503 | 20,479,102 | 118.3\% |
| Totals - MERS | 668 | 3,355,190,457 | 518,036,804 | 3,314,517,721 | 7,187,744,982 | 5,493,761,771 | 76.4\% |


| Municipality Name | Number |
| :---: | :---: |
| 41B District Court | 5014 |
| Addison Fire Departm | 4607 |
| Adrian, City of | 4601 |
| Albion, City of | 1301 |
| Alcona County | 101 |
| Alger County | 203 |
| Alger County Road Co | 201 |
| Algonac, City of | 7707 |
| Allegan, City of | 309 |
| Allegan County | 302 |
| Allegan County Rd. C | 301 |
| Alma, City of | 2901 |
| Almont, Village of | 4407 |
| Alpena County | 401 |
| Alpena County Rd. Co | 402 |
| Alpena General Hospi | 405 |
| Alpena Senior Citize | 404 |
| Alpha, Village of | 3614 |
| Antrim County | 502 |
| Antrim County Rd Com | 501 |
| Arenac County | 603 |
| Arenac County Rd Com | 604 |
| Ash Township | 5804 |
| Auburn, City of | 905 |
| Au Gres, City of | 602 |
| Bad Axe, City of | 3211 |
| Bangor, City of | 8003 |
| Baraga, Village of | 704 |
| Baraga County | 702 |
| Baraga County Memori | 703 |
| Baraga County Rd Com | 701 |
| Baroda Township | 1109 |
| Barry County | 802 |
| Barry County CMH Aut | 804 |
| Barry-Eaton Dist Hlt | 2303 |
| Barton Hills, Villag | 8107 |
| Bates Township | 3616 |
| Bath Charter Townshi | 1909 |
| Battle Creek, City o | 1302 |
| Bay Area Transportat | 2810 |
| Bay City, City of | 901 |
| Bay City Housing Com | 906 |
| Bayliss Public Libra | 1702 |
| Bay Metro Transit Au | 907 |
| Beecher Met Dist Swg | 2501 |
| Belding, City of | 3410 |
| Belleville, City of | 8213 |
| Benzie/Leelanau Dist | 4504 |
| Benzie County | 1003 |
| Benzie County Comm o | 1006 |
| Benzie County MCF (M | 1004 |
| Benzie County Road C | 1001 |
| Benzie Shores Dist. | 1005 |
| Berkley, City of | 6304 |
| Berrien Springs, Vil | 1102 |
| Bessemer, City of | 2702 |
| Beverly Hills, Villa | 6321 |
| Big Rapids, City of | 5402 |
| Big Rapids Housing C | 5406 |
| Birch Run, Village o | 7315 |
| Bishop Intl Arpt Aut | 2507 |
| Blackman Township | 3806 |


| Amortization Period(s) | Normal Cost |
| :---: | :---: |
| 29 | 43,908 |
| 29 | 13,164 |
| 29, 20, 10 | 514,992 |
| 29, 22, 20, 10 | 142,956 |
| 29, 27 | 184,728 |
| 29, 20, 10 | 151,380 |
| 29 | 71,280 |
| 29 | 64,092 |
| 29, 22 | 65,748 |
| 29, 22, 20, 10 | 387,168 |
| 29 | 130,128 |
| 29, 27, 20, 10 | 124,788 |
| 29 | 30,444 |
| 29, 26, 10 | 249,876 |
| 29, 26, 20, 10 | 120,432 |
| 29, 20 | 1,938,876 |
| 29 | 2,664 |
| 29, 10 | 2,496 |
| 29, 20, 10 | 733,224 |
| 29 | 155,472 |
| 29, 26, 20 | 237,264 |
| 29 | 78,444 |
| 29 | 3,960 |
| 29 | 22,584 |
| 29 | 36,024 |
| 29 | 74,436 |
| 29, 10 | 35,592 |
| 29 | 54,840 |
| 29 | 97,380 |
| 29, 20 | 282,156 |
| 29 | 94,080 |
| 29 | 9,780 |
| 29, 24, 20 | 1,046,004 |
| 29 | 133,008 |
| 29 | 331,104 |
| 29 | 7,296 |
| 29 | 6,120 |
| 29 | 53,472 |
| 29, 10 | 1,529,592 |
| 29 | 199,092 |
| 29, 20, 10 | 435,780 |
| 20 | 86,208 |
| 29, 10 | 12,492 |
| 29 | 280,344 |
| 29, 24 | 73,404 |
| 29 | 6,480 |
| 29, 20, 10 | 74,664 |
| 27 | 22,728 |
| 29 | 259,416 |
| 29 | 36,096 |
| 29, 10 | 149,304 |
| 29 | 89,424 |
| 29 | 3,012 |
| 29 | 229,572 |
| 29, 10 | 50,232 |
| 29 | 27,828 |
| 29, 10 | 74,184 |
| 29, 20 | 135,708 |
| 29 | 16,752 |
| 29 | 15,576 |
| 29 | 123,600 |
| 29 | 70,056 |


| Municipality Name | Number |
| :---: | :---: |
| Blissfield, Village | 4606 |
| Bloomfield Hills, Ci | 6302 |
| Blue Water Area Tran | 7709 |
| Boyne City, City of | 1506 |
| Branch County Sherif | 1205 |
| Brandon Township | 6333 |
| Breckenridge,Village | 2906 |
| Bridgeport Charter T | 7307 |
| Brighton, City of | 4704 |
| Brighton Area Fire A | 4715 |
| Brighton Township | 4711 |
| Britton, Village of | 4604 |
| Brnch-Hllsdl-St.Josp | 1202 |
| Bronson, City of | 1204 |
| Brooklyn, Village of | 3801 |
| Buchanan, City of | 1101 |
| Buchanan District Li | 1108 |
| Buena Vista Charter | 7312 |
| Burton, City of | 2508 |
| Butman Township | 2604 |
| Cadillac, City of | 8301 |
| Cadillac/Wexford Tra | 8305 |
| Calhoun County | 1311 |
| Calhoun County Road | 1307 |
| Canton Public Librar | 8232 |
| Canton Township | 8233 |
| Capac, Village of | 7705 |
| Capital Area Dist Li | 3317 |
| Capital Region Arprt | 3305 |
| Carleton, Village of | 5805 |
| Carrollton Township | 7320 |
| Cascade Charter Town | 4110 |
| Caseville, Village o | 3207 |
| Caspian, Village of | 3608 |
| Cass County | 1402 |
| Cass County MCF | 1403 |
| Cass District Librar | 1404 |
| Cedar Springs, City | 4105 |
| Center Line, City of | 5001 |
| Central Dispatch of | 6109 |
| Central MI Dist Hlth | 3705 |
| Central Wayne County | 8214 |
| Charlevoix, City of | 1505 |
| Charlevoix Cnty Rd C | 1501 |
| Charlevoix County | 1503 |
| Charlotte, City of | 2301 |
| Charlotte District L | 2309 |
| Charter Twp of Muske | 6108 |
| Cheboygan, City of | 1602 |
| Cheboygan County | 1603 |
| Cheboygan County Rd | 1601 |
| Chelsea, Village of | 8103 |
| Chesaning, Village o | 7313 |
| Chesterfield Townshi | 5009 |
| Chesterfield Townshi | 5010 |
| Chikaming Township | 1112 |
| Chippewa County | 1703 |
| Chippewa County Rd C | 1704 |
| Chippewa River Dist | 3707 |
| City of Bridgman | 1110 |
| City of Clio | 2523 |
| City of Harbor Sprin | 2405 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29 | 82,332 | 15,228 | 97,560 |
| 29, 26, 24, 22, 10 | 193,188 | 479,868 | 673,056 |
| 29 | 104,484 | 23,544 | 128,028 |
| 29, 26, 10 | 90,684 | 68,952 | 159,636 |
| 29 | 125,976 | 5,448 | 131,424 |
| 29, 10 | 106,536 | 31,104 | 137,640 |
| 29 | 10,500 | 33,480 | 43,980 |
| 29 | 140,712 | 80,580 | 221,292 |
| 29 | 304,644 | 141,912 | 446,556 |
| 29, 27 | 34,152 | 2,280 | 36,432 |
| 29, 10 | 49,020 | (228) | 48,792 |
| 29, 10 | 924 | (924) | 0 |
| 29, 10 | 204,420 | $(8,892)$ | 195,528 |
| 29 | 5,712 | 6,468 | 12,180 |
| 29 | 10,020 | 13,524 | 23,544 |
| 29, 20, 10 | 49,596 | 4,380 | 53,976 |
| 29 | 5,136 | 2,448 | 7,584 |
| 29, 20 | 120,060 | 72,480 | 192,540 |
| 29 | 383,304 | 888,228 | 1,271,532 |
| 20, 10 | 0 | 0 | 0 |
| 29, 10 | 204,588 | $(76,584)$ | 128,004 |
| 29 | 49,812 | 12,468 | 62,280 |
| 29 | 60,936 | 659,460 | 720,396 |
| 29 | 280,536 | 249,624 | 530,160 |
| 29 | 41,748 | 33,648 | 75,396 |
| 29 | 1,078,620 | 1,113,348 | 2,191,968 |
| 29, 26 | 30,732 | 44,484 | 75,216 |
| 29, 10 | 222,876 | 5,784 | 228,660 |
| 29 | 250,920 | 219,912 | 470,832 |
| 29 | 5,124 | 4,140 | 9,264 |
| 29, 10 | 54,516 | 36,432 | 90,948 |
| 29 | 127,440 | 80,364 | 207,804 |
| 29 | 32,712 | 18,888 | 51,600 |
| 29 | 20,580 | 12,516 | 33,096 |
| 29, 10 | 276,552 | 115,848 | 392,400 |
| 29, 10 | 63,348 | $(63,348)$ | 0 |
| 29, 10 | 17,400 | $(17,400)$ | 0 |
| 29, 20 | 49,644 | 27,048 | 76,692 |
| 29, 10 | 79,668 | 83,208 | 162,876 |
| 29 | 56,472 | 17,652 | 74,124 |
| 27 | 281,928 | 243,720 | 525,648 |
| 20 | 0 | 1,476 | 1,476 |
| 29 | 132,828 | 135,984 | 268,812 |
| 29 | 114,336 | 73,644 | 187,980 |
| 29, 26, 10 | 996,492 | 399,108 | 1,395,600 |
| 29 | 150,588 | 165,612 | 316,200 |
| 29 | 15,036 | 9,876 | 24,912 |
| 29 | 186,180 | 92,640 | 278,820 |
| 29 | 83,136 | 89,268 | 172,404 |
| 29 | 300,588 | 96,504 | 397,092 |
| 29 | 189,384 | 301,764 | 491,148 |
| 20 | 111,132 | 260,376 | 371,508 |
| 29, 22 | 34,320 | 108,720 | 143,040 |
| 29 | 366,156 | 167,352 | 533,508 |
| 29 | 26,112 | 1,368 | 27,480 |
| 29 | 22,536 | 15,204 | 37,740 |
| 29, 10 | 563,244 | 165,612 | 728,856 |
| 29 | 200,004 | 170,244 | 370,248 |
| 29, 10 | 46,320 | $(8,640)$ | 37,680 |
| 29 | 27,684 | 20,352 | 48,036 |
| 29 | 39,612 | 11,304 | 50,916 |
| 29 | 47,580 | 49,884 | 97,464 |


| Municipality Name | Number |
| :---: | :---: |
| City of Richmond | 5012 |
| Clare, City of | 1804 |
| Clare County | 1802 |
| Clare County Road Co | 1801 |
| Clawson, City of | 6305 |
| Clay Township | 7706 |
| Clearwater Township | 4005 |
| Clinton, Village of | 4602 |
| Clinton County | 1903 |
| Clinton County Road | 1901 |
| Clinton-Eaton-Ingham | 3308 |
| Clinton Township | 5002 |
| Coldwater, City of | 1201 |
| Coldwater Board of P | 1203 |
| Coleman, City of | 5603 |
| Coloma Township | 1107 |
| Columbiaville, Villa | 4406 |
| Comm Mental Hlth for | 3708 |
| Coopersville, City o | 7005 |
| Corunna City of | 7604 |
| Corwith Township | 6904 |
| Crawford Cnty Trans. | 2004 |
| Crawford County | 2001 |
| Crawford County Rd C | 2002 |
| Croswell, City of | 7401 |
| Crystal Falls, City | 3603 |
| Crystal Falls Comm H | 3618 |
| Davison, City of | 2516 |
| Davison Township | 2519 |
| Deerfield, Village o | 4603 |
| Delta Charter Townsh | 2306 |
| Delta County | 2102 |
| Delta County Rd Comm | 2105 |
| Delta-Menominee Dist | 2103 |
| Detour, Village of | 1706 |
| Detroit Housing Comm | 8241 |
| DeWitt, City of | 1908 |
| Dewitt Charter Towns | 1910 |
| Dexter, Village of | 8217 |
| Dexter Township | 8111 |
| Dickinson County | 2206 |
| Dickinson County Rd | 2203 |
| Dickinson-Iron Dist | 3605 |
| Dimondale, Village of | 2304 |
| Dist Hlth Dept No 2 | 6501 |
| Dist Hlth Dept No 4 | 7103 |
| District Health Dept | 5104 |
| Douglas, Village of | 303 |
| Dowagiac, City of | 1401 |
| Dowagiac District Li | 1406 |
| Dowagiac Housing Com | 1405 |
| Drummond Island Town | 1708 |
| Dryden, Village of | 4405 |
| Dundee, Village of | 5803 |
| Durand, City of | 7603 |
| East China, Township | 7701 |
| Eastern UP Trans Aut | 1705 |
| East Grand Rapids, Ci | 4101 |
| East Jordan, City of | 1504 |
| East Lansing, City o | 3301 |
| Eastpointe Housing C | 5011 |
| Eaton Co Medical Car | 2305 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29 | 12,348 | 33,228 | 45,576 |
| 29 | 67,008 | 50,796 | 117,804 |
| 29 | 247,452 | 58,872 | 306,324 |
| 29, 10 | 84,192 | 29,556 | 113,748 |
| 29, 27, 20 | 149,292 | 581,676 | 730,968 |
| 29 | 78,456 | 129,780 | 208,236 |
| 29 | 4,836 | 492 | 5,328 |
| 29, 10 | 54,216 | $(22,824)$ | 31,392 |
| 29 | 703,032 | 421,092 | 1,124,124 |
| 29 | 181,752 | 131,088 | 312,840 |
| 29, 20, 10 | 1,622,196 | 1,124,100 | 2,746,296 |
| 29 | 623,292 | 370,140 | 993,432 |
| 29, 20 | 73,524 | 26,304 | 99,828 |
| 29, 22 | 104,688 | 124,884 | 229,572 |
| 29 | 22,116 | 34,056 | 56,172 |
| 29 | 6,732 | 696 | 7,428 |
| 29 | 3,384 | 2,664 | 6,048 |
| 29 | 1,232,796 | 125,844 | 1,358,640 |
| 29, 20 | 35,700 | 9,684 | 45,384 |
| 29, 26 | 62,856 | 56,748 | 119,604 |
| 29 | 276 | 48 | 324 |
| 29 | 56,352 | 11,868 | 68,220 |
| 29, 27 | 202,452 | 194,736 | 397,188 |
| 29, 22, 10 | 86,124 | 137,388 | 223,512 |
| 29 | 127,524 | 134,760 | 262,284 |
| 29 | 74,064 | 83,616 | 157,680 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 104,928 | 130,188 | 235,116 |
| 29 | 162,300 | 119,760 | 282,060 |
| 29 | 13,788 | 4,128 | 17,916 |
| 29 | 45,588 | 106,368 | 151,956 |
| 29 | 565,260 | 303,504 | 868,764 |
| 29, 24, 10 | 117,816 | 210,840 | 328,656 |
| 29, 10 | 161,532 | $(66,780)$ | 94,752 |
| 29 | 12,408 | 7,092 | 19,500 |
| 29 | 672,708 | 19,068 | 691,776 |
| 29 | 78,720 | 72,576 | 151,296 |
| 29 | 54,372 | 26,652 | 81,024 |
| 29 | 60,372 | 41,472 | 101,844 |
| 29 | 4,716 | 1,860 | 6,576 |
| 29 | 288,900 | 250,068 | 538,968 |
| 29 | 116,712 | 83,928 | 200,640 |
| 29, 27, 20 | 79,872 | 40,224 | 120,096 |
| 29 | 16,848 | 6,132 | 22,980 |
| 20 | 101,724 | 62,544 | 164,268 |
| 20 | 70,728 | 129,552 | 200,280 |
| 29, 22 | 221,916 | 454,236 | 676,152 |
| 29 | 77,688 | 20,532 | 98,220 |
| 29 | 92,928 | 308,124 | 401,052 |
| 29 | 2,880 | 276 | 3,156 |
| 29, 10 | 10,332 | $(5,892)$ | 4,440 |
| 29 | 9,696 | 240 | 9,936 |
| 29 | 8,400 | 96 | 8,496 |
| 29, 10 | 6,132 | $(6,132)$ | 0 |
| 29 | 73,068 | 30,972 | 104,040 |
| 29 | 65,148 | 50,952 | 116,100 |
| 29 | 108,216 | 124,944 | 233,160 |
| 20, 10 | 46,644 | 404,676 | 451,320 |
| 29 | 57,192 | 29,076 | 86,268 |
| 29, 27, 22, 20, 10 | 1,386,912 | 2,143,452 | 3,530,364 |
| 29 | 13,344 | 3,444 | 16,788 |
| 29, 10 | 169,356 | 1,404 | 170,760 |


| Municipality Name | Number |
| :---: | :---: |
| Eaton County | 2302 |
| Eaton Rapids, City o | 2307 |
| Eau Claire, Village | 1104 |
| Ecorse, City of | 8206 |
| Elderly Housing Comm | 8222 |
| Elkton, Village of | 3206 |
| Elsie, Village of | 1906 |
| Emmet, Charter Twnsh | 1310 |
| Emmet County Rd Comm | 2401 |
| Escanaba, City of | 2101 |
| Essexville, City of | 903 |
| Evart, City of | 6705 |
| Evart Local Dev Fina | 6706 |
| Farmington Comm Libr | 6319 |
| Fenton, City of | 2505 |
| Ferrysburg, City of | 7106 |
| Flat Rock, City of | 8212 |
| Flint Charter Townsh | 2512 |
| Flint Public Library | 2518 |
| Flushing, Charter To | 2515 |
| Flushing, City of | 2502 |
| Forsyth Township | 5212 |
| Fowler, Village of | 1904 |
| Fowlerville, Village | 4705 |
| Fowlerville District | 4710 |
| Frankenmuth, City of | 7306 |
| Frankfort, City of | 1002 |
| Franklin, Village of | 6323 |
| Fraser, City of | 5003 |
| Fremont, City of | 6203 |
| Fremont Area Distric | 6209 |
| Gaastra, City of | 3617 |
| Gaylord, City of | 6903 |
| Genesee Charter Town | 2510 |
| Genoa Township | 4713 |
| Gladstone, City of | 2106 |
| Gladwin, City of | 2605 |
| Gladwin CO. District | 2607 |
| Gladwin County | 2602 |
| Gladwin County Rd Co | 2601 |
| Gogebic-Iron Wastewt | 2703 |
| Grand Blanc, City of | 2513 |
| Grand Blanc Charter | 2511 |
| Grand Haven, City of | 7010 |
| Grand Ledge Area Em | 2310 |
| Grand Rapids Housing | 4108 |
| Grand Trav. Pavilion | 2809 |
| Grand Traverse Cnty | 2802 |
| Grand Traverse Count | 2803 |
| Grandville, City of | 4102 |
| Gratiot County | 2905 |
| Gratiot County Rd Co | 2903 |
| Grayling, City of | 2003 |
| Green Oak Township | 4708 |
| Greenville, City of | 5906 |
| Grosse Ile Township | 8207 |
| Grosse Pointe Park, | 8201 |
| Grosse Pte-Clntn Rfs | 5004 |
| Groveland Township | 6335 |
| Hackley Public Libra | 6114 |
| Hamburg Township | 4709 |
| Hamtramck, City of | 8205 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29, 10 | 701,988 | 1,722,456 | 2,424,444 |
| 29 | 149,712 | 157,140 | 306,852 |
| 29 | 5,100 | 9,564 | 14,664 |
| 29, 26, 24, 20 | 298,296 | 824,904 | 1,123,200 |
| 29 | 33,264 | 21,420 | 54,684 |
| 20, 10 | 2,292 | 8,208 | 10,500 |
| 27, 10 | 0 | 0 | 0 |
| 29 | 40,800 | 32,160 | 72,960 |
| 20 | 72,468 | 245,868 | 318,336 |
| 29, 27 | 348,936 | 432,864 | 781,800 |
| 29, 20, 10 | 48,492 | 54,012 | 102,504 |
| 29 | 40,092 | 14,556 | 54,648 |
| 29 | 7,380 | 2,580 | 9,960 |
| 20, 10 | 74,772 | 9,216 | 83,988 |
| 29, 27, 20, 10 | 224,856 | 86,820 | 311,676 |
| 29 | 19,644 | 22,704 | 42,348 |
| 29, 10 | 258,408 | 343,140 | 601,548 |
| 29 | 63,540 | 167,568 | 231,108 |
| 29 | 80,964 | 6,048 | 87,012 |
| 29 | 152,268 | 109,848 | 262,116 |
| 29 | 218,952 | 235,224 | 454,176 |
| 29 | 61,464 | 112,284 | 173,748 |
| 29 | 5,796 | 1,824 | 7,620 |
| 29, 10 | 50,868 | $(9,900)$ | 40,968 |
| 29 | 6,108 | 1,164 | 7,272 |
| 29 | 132,588 | 101,184 | 233,772 |
| 29 | 38,604 | 33,192 | 71,796 |
| 29, 10 | 78,840 | 50,136 | 128,976 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 144,120 | 103,632 | 247,752 |
| 29 | 30,816 | 9,288 | 40,104 |
| 29 | 3,360 | 1,896 | 5,256 |
| 29 | 162,768 | 111,360 | 274,128 |
| 29 | 283,056 | 284,100 | 567,156 |
| 29 | 11,628 | 456 | 12,084 |
| 29, 20 | 90,060 | 255,156 | 345,216 |
| 29, 10 | 77,652 | 62,064 | 139,716 |
| 29 | 17,052 | 468 | 17,520 |
| 29, 26, 10 | 288,036 | 134,940 | 422,976 |
| 29, 10 | 98,688 | 124,776 | 223,464 |
| 29 | 19,380 | 31,740 | 51,120 |
| 29 | 132,276 | 101,748 | 234,024 |
| 29, 22 | 188,736 | 323,304 | 512,040 |
| 29, 24, 22, 10 | 965,772 | $(393,672)$ | 572,100 |
| 29 | 37,620 | 6,660 | 44,280 |
| 20 | 26,376 | 41,376 | 67,752 |
| 29 | 561,792 | 219,204 | 780,996 |
| 20 | 59,268 | 112,464 | 171,732 |
| 29, 22, 20 | 814,620 | 2,591,820 | 3,406,440 |
| 14 | 125,532 | 494,400 | 619,932 |
| 20, 10 | 328,836 | 369,180 | 698,016 |
| 29 | 142,488 | 108,384 | 250,872 |
| 29, 26 | 65,616 | 24,972 | 90,588 |
| 29 | 46,404 | 47,580 | 93,984 |
| 29 | 28,512 | 24,780 | 53,292 |
| 29 | 364,908 | 276,504 | 641,412 |
| 29 | 274,776 | 356,268 | 631,044 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 33,912 | 8,232 | 42,144 |
| 29, 10 | 8,592 | (276) | 8,316 |
| 29 | 53,172 | 53,520 | 106,692 |
| 29, 20, 10 | 495,696 | 2,665,188 | 3,160,884 |


| Municipality Name | Number |
| :---: | :---: |
| Hancock, City of | 3107 |
| Harbor Beach, City o | 3201 |
| Harrison, City of | 1803 |
| Hartland Deerfield T | 4716 |
| Hastings, City of | 801 |
| Health Source of Sag | 7311 |
| Helen Newberry Joy H | 4805 |
| Henika District Libr | 310 |
| Herrick District Lib | 7012 |
| Hiawatha Comm MH Aut | 1707 |
| Highland Park, City | 8227 |
| Hillsdale, City of | 3001 |
| Hillsdale County Rd | 3004 |
| Hillsdale County-She | 3005 |
| Holland, City of | 7001 |
| Holland Hospital | 7006 |
| Holland Swimming Poo | 7014 |
| Holly, Village of | 6317 |
| Homer, Village of | 1304 |
| Houghton County | 3102 |
| Houghton County Road | 3103 |
| Houghton Lake Public | 7203 |
| Howard City, Village | 5902 |
| Howard Township | 1106 |
| Howell, City of | 4702 |
| Howell Area Fire Aut | 4714 |
| Howell Carnegie Dist | 4707 |
| Hudsonville, City of | 7004 |
| Huntington Woods, Ci | 6303 |
| Huron Charter Townsh | 8224 |
| Huron County | 3204 |
| Huron County Rd Comm | 3202 |
| Imlay City, City of | 4404 |
| Independence Townshi | 6328 |
| Indianfields Townshi | 7905 |
| Ingham County | 3303 |
| Ingham County Road C | 3302 |
| Interurban Transit A | 308 |
| Ionia, City of | 3403 |
| Ionia Community Libr | 3412 |
| Ionia County | 3408 |
| Ionia County Road Co | 3404 |
| Ionia Housing Commis | 3406 |
| Iosco County | 3501 |
| Iosco County Road Co | 3502 |
| Iron County | 3606 |
| Iron County Housing | 3611 |
| Iron County Road Com | 3602 |
| Iron Mntn-Kingsford | 2205 |
| Iron Mountain, City | 2201 |
| Iron River, City of | 3601 |
| Isabella Co. Transp. | 3709 |
| Isabella County | 3703 |
| Isabella County Rd C | 3702 |
| Ishpeming, City of | 5204 |
| Ishpeming A J Wstwtr | 5207 |
| Ishpeming Township | 5216 |
| Ithaca, City of | 2904 |
| Jackson, Cty Transpor | 3805 |
| Jackson District Lib | 3802 |
| Jordan Valley Distri | 1507 |
| Kalamazoo Lk, Sewer | 306 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29 | 24,972 | 18,768 | 43,740 |
| 29, 10 | 40,356 | $(4,152)$ | 36,204 |
| 29 | 32,748 | 19,584 | 52,332 |
| 29 | 25,416 | 1,368 | 26,784 |
| 29, 24, 10 | 211,476 | 211,956 | 423,432 |
| 29, 20 | 908,304 | 199,272 | 1,107,576 |
| 20 | 180,864 | 134,592 | 315,456 |
| 29, 10 | 9,372 | $(6,468)$ | 2,904 |
| 29 | 153,444 | 54,996 | 208,440 |
| 29, 26, 22, 20, 10 | 284,340 | $(50,892)$ | 233,448 |
| 11 | 23,136 | 2,089,104 | 2,112,240 |
| 29, 20, 10 | 222,276 | $(8,820)$ | 213,456 |
| 29 | 37,932 | 106,800 | 144,732 |
| 29 | 16,440 | 120,048 | 136,488 |
| 29, 22 | 1,128,060 | 996,624 | 2,124,684 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 43,116 | 792 | 43,908 |
| 29 | 168,552 | 105,216 | 273,768 |
| 29, 10 | 36,072 | $(11,436)$ | 24,636 |
| 29, 20 | 298,944 | 298,644 | 597,588 |
| 29 | 47,232 | 49,620 | 96,852 |
| 29, 10 | 20,388 | $(2,664)$ | 17,724 |
| 26 | 12,396 | 7,632 | 20,028 |
| 29 | 5,820 | 264 | 6,084 |
| 29 | 257,652 | 303,408 | 561,060 |
| 29 | 18,420 | 6,312 | 24,732 |
| 29 | 27,528 | 4,476 | 32,004 |
| 29, 27, 20, 10 | 9,288 | 52,848 | 62,136 |
| 29, 27, 20 | 149,904 | 408,108 | 558,012 |
| 29 | 239,304 | 245,340 | 484,644 |
| 29 | 888,372 | 329,772 | 1,218,144 |
| 29, 10 | 166,296 | 126,108 | 292,404 |
| 29 | 86,292 | 36,108 | 122,400 |
| 29 | 144,636 | 71,880 | 216,516 |
| 29 | 7,140 | 11,076 | 18,216 |
| 29, 20, 10 | 3,133,404 | 2,869,476 | 6,002,880 |
| 29 | 487,452 | 318,972 | 806,424 |
| 29, 10 | 15,240 | $(3,576)$ | 11,664 |
| 29, 20, 10 | 238,188 | 293,112 | 531,300 |
| 29 | 13,836 | 7,212 | 21,048 |
| 29, 10 | 138,708 | 40,896 | 179,604 |
| 29 | 108,444 | 407,172 | 515,616 |
| 29 | 11,892 | 9,288 | 21,180 |
| 29, 22, 20 | 485,844 | 261,600 | 747,444 |
| 29 | 43,920 | 98,196 | 142,116 |
| 29, 26, 10 | 587,760 | 125,820 | 713,580 |
| 29 | 9,396 | 5,604 | 15,000 |
| 29 | 123,804 | 196,932 | 320,736 |
| 29 | 8,268 | 11,988 | 20,256 |
| 29 | 72,012 | 190,716 | 262,728 |
| 29 | 128,232 | 48,324 | 176,556 |
| 29 | 16,848 | 19,440 | 36,288 |
| 29, 22, 20 | 782,100 | 478,596 | 1,260,696 |
| 29 | 107,568 | 72,696 | 180,264 |
| 29 | 87,960 | 144,744 | 232,704 |
| 29, 20, 10 | 13,272 | 8,124 | 21,396 |
| 29 | 16,044 | 13,716 | 29,760 |
| 29, 27 | 28,692 | 46,668 | 75,360 |
| 29, 10 | 116,592 | 46,896 | 163,488 |
| 29, 10 | 93,480 | $(93,480)$ | 0 |
| 29, 10 | 4,308 | $(1,020)$ | 3,288 |
| 29 | 24,480 | 10,248 | 34,728 |


| Municipality Name | Number |
| :---: | :---: |
| Kalamazoo Public Lib | 3903 |
| Kalkaska, Village of | 4001 |
| Kalkaska County | 4003 |
| Kalkaska County Rd C | 4002 |
| Kalkaska Public Tran | 4004 |
| Keego Harbor, City o | 6322 |
| Kent County CMH Auth | 4109 |
| Keweenaw County | 4202 |
| Keweenaw County Rd C | 4201 |
| Kinde, Village of | 3209 |
| Kingsford, City of | 2202 |
| L'Anse, Village of | 705 |
| Laingsburg, City of | 7608 |
| Lake County | 4301 |
| Lake County Rd Commi | 4302 |
| Lakeland Library Coo | 4106 |
| Lake Linden, Village | 3105 |
| Lake Odessa, Village | 3402 |
| Lake Orion, Village | 6318 |
| Lakeshore Coordinati | 7007 |
| Lansing Housing Comm | 3311 |
| Lapeer, City of | 4401 |
| Lapeer County | 4403 |
| Lapeer County Rd Com | 4402 |
| Lapeer District Libr | 4410 |
| Lathrup Village, Cit | 6311 |
| Laurium, Village of | 3104 |
| Lawrence, Village of | 8004 |
| Leelanau County | 4501 |
| Leelanau County Rd C | 4503 |
| Leoni Township | 3804 |
| Leslie, City of | 3313 |
| Leslie Township | 3319 |
| Lexington, Village o | 7708 |
| Library Network | 8218 |
| Lima Township | 8112 |
| Litchfield, City of | 3006 |
| Livingston County | 4703 |
| Livingston County CM | 4712 |
| Livingston County Rd | 4701 |
| LMAS Dist Hlth Depar | 4803 |
| Looking Glass Region | 2311 |
| Loutit District Libr | 7013 |
| Lowell, City of | 4104 |
| Luce County | 4804 |
| Luce County Rd Commi | 4801 |
| Ludington, City of | 5302 |
| Ludington-Mason Dist | 5303 |
| Luna Pier, City of | 5802 |
| Lyons, Village of | 3411 |
| Mackinac Co. Housing | 4905 |
| Mackinac County | 4901 |
| Mackinac County Rd C | 4903 |
| Mackinac Strts Hosp | 4902 |
| Madison Heights, Cit | 6308 |
| Madison Township | 4605 |
| Manistee, City of | 5105 |
| Manistee Cnty Rd Com | 5103 |
| Manistee County | 5101 |
| Manistee Housing Com | 5107 |
| Manistique, City of | 7504 |
| Manlius Township | 311 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29 | 157,008 | 23,352 | 180,360 |
| 29, 24, 20, 10 | 73,272 | 59,148 | 132,420 |
| 29, 10 | 317,268 | 39,384 | 356,652 |
| 29 | 126,084 | 172,632 | 298,716 |
| 29 | 32,484 | 18,348 | 50,832 |
| 29 | 82,260 | 39,888 | 122,148 |
| 29, 10 | 500,976 | $(186,840)$ | 314,136 |
| 29 | 34,752 | 23,964 | 58,716 |
| 29 | 82,056 | 53,676 | 135,732 |
| 29 | 1,056 | 5,004 | 6,060 |
| 29, 10 | 62,988 | 14,628 | 77,616 |
| 29 | 60,744 | 76,092 | 136,836 |
| 29, 10 | 12,036 | (852) | 11,184 |
| 29 | 318,264 | 59,568 | 377,832 |
| 29 | 97,512 | 116,376 | 213,888 |
| 29 | 26,292 | 2,340 | 28,632 |
| 29, 10 | 19,560 | 9,324 | 28,884 |
| 20, 10 | 0 | 0 | 0 |
| 29, 27 | 54,456 | 42,732 | 97,188 |
| 29, 10 | 20,928 | $(1,464)$ | 19,464 |
| 29 | 198,120 | 5,640 | 203,760 |
| 29 | 337,608 | 206,964 | 544,572 |
| 29 | 1,786,128 | 333,684 | 2,119,812 |
| 29, 20, 10 | 109,428 | 235,440 | 344,868 |
| 29 | 51,780 | 49,656 | 101,436 |
| 29, 10 | 62,652 | 27,252 | 89,904 |
| 29 | 34,512 | 29,664 | 64,176 |
| 27, 22, 10 | 0 | 0 | 0 |
| 29 | 440,772 | 214,224 | 654,996 |
| 29 | 53,160 | 99,912 | 153,072 |
| 29 | 73,932 | 29,880 | 103,812 |
| 29 | 22,344 | 27,300 | 49,644 |
| 29 | 4,716 | 4,176 | 8,892 |
| 29, 27, 10 | 29,052 | 22,848 | 51,900 |
| 29, 24, 10 | 60,624 | 16,044 | 76,668 |
| 29 | 5,268 | 3,936 | 9,204 |
| 29 | $(4,356)$ | 7,452 | 3,096 |
| 29, 27, 22 | 2,088,024 | 934,908 | 3,022,932 |
| 29 | 383,568 | 40,248 | 423,816 |
| 29 | 298,920 | 80,052 | 378,972 |
| 29, 10 | 198,468 | $(40,092)$ | 158,376 |
| 29 | 12,720 | 432 | 13,152 |
| 29 | 51,912 | 7,488 | 59,400 |
| 29, 20 | 127,284 | 121,188 | 248,472 |
| 29 | 97,404 | 111,780 | 209,184 |
| 29 | 112,704 | 153,324 | 266,028 |
| 29 | 243,156 | 141,960 | 385,116 |
| 29 | 34,152 | 15,252 | 49,404 |
| 29, 27 | 16,464 | 69,780 | 86,244 |
| 29 | 6,912 | 636 | 7,548 |
| 29 | 4,356 | 6,864 | 11,220 |
| 29, 26, 20 | 197,940 | 131,868 | 329,808 |
| 29, 27 | 104,208 | 124,956 | 229,164 |
| 29 | 760,920 | 178,992 | 939,912 |
| 29, 10 | 427,116 | 218,988 | 646,104 |
| 29 | 16,488 | 8,964 | 25,452 |
| 29, 10 | 155,916 | $(92,424)$ | 63,492 |
| 29, 22 | 136,932 | 297,288 | 434,220 |
| 29, 10 | 723,084 | 335,028 | 1,058,112 |
| 29, 10 | 2,568 | $(2,568)$ | 0 |
| 29 | 143,784 | 212,868 | 356,652 |
| 29 | 4,344 | 6,936 | 11,280 |


| Municipality Name | Number |
| :---: | :---: |
| Manton, City of | 8304 |
| Marenisco Township | 2704 |
| Marine City, City of | 7704 |
| Marion, Village of | 6704 |
| Marlette, City of | 7405 |
| Marquette, City of | 5201 |
| Marquette Brd of Lig | 5209 |
| Marquette Charter To | 5215 |
| Marquette Cnty Trans | 5206 |
| Marquette County | 5202 |
| Marquette County Air | 5210 |
| Marquette County Rd | 5211 |
| Marquette Waste Mgmt | 5213 |
| Marshall, City of | 1306 |
| Marshall Area Fire/A | 1313 |
| Marshall District Li | 1309 |
| Mason, City of | 3304 |
| Mason County | 5301 |
| Mason County Road Co | 5305 |
| Mason-Oceana Cty Enh | 6403 |
| Mastodon Township | 3613 |
| MBS International Ai | 902 |
| Meceola Central Disp | 5405 |
| Mecosta County | 5403 |
| Mecosta County Gener | 5404 |
| Mecosta County Rd Co | 5401 |
| Melvindale, City of | 8215 |
| Melvindale Housing C | 8220 |
| Menominee, City of | 5501 |
| Menominee County | 5502 |
| Menominee County Rd | 5503 |
| Meridian Charter Tow | 3315 |
| Metamora Township | 4409 |
| Mich. Grand River Wa | 3306 |
| Mich S Cntrl Pwr Age | 3002 |
| Middleville, Village | 803 |
| Midland, City of | 5601 |
| Midland Auth for Cen | 5604 |
| Midland County Road | 5602 |
| Mid Michigan Dist Hl | 5901 |
| Mid-Michigan Library | 8306 |
| Mid Peninsula Lbry C | 3609 |
| Milan, City of | 5801 |
| Milan Library | 5806 |
| Milford, Village of | 6313 |
| Millington, Village | 7904 |
| MI Mun Emplys Ret Sy | 2308 |
| MI Municipal Risk Mg | 8237 |
| Missaukee County | 5702 |
| M O A Solid Waste Mg | 6002 |
| Monroe Housing Commi | 5808 |
| Montague, City of | 6112 |
| Montcalm County Rd C | 5905 |
| Montmorency County | 6001 |
| Montrose, City of | 2509 |
| Mt. Morris, Township | 2503 |
| Mt. Pleasant, City o | 3701 |
| Muir, Village of | 3405 |
| Mundy,Charter Townsh | 2517 |
| Munising, City of | 202 |
| Muskegon, City of | 6116 |
| Muskegon County | 6103 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29 | 17,484 | 36,708 | 54,192 |
| 29 | 10,992 | 3,204 | 14,196 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 6,672 | 6,684 | 13,356 |
| 29 | 34,356 | 25,032 | 59,388 |
| 29, 20, 10 | 434,208 | 577,152 | 1,011,360 |
| 27, 20, 10 | 193,716 | 411,504 | 605,220 |
| 29 | 42,528 | 23,364 | 65,892 |
| 29, 10 | 38,592 | 11,412 | 50,004 |
| 29, 26, 22, 20, 10 | 995,316 | 1,311,504 | 2,306,820 |
| 27, 20 | 38,172 | 55,680 | 93,852 |
| 29, 22 | 261,708 | 508,644 | 770,352 |
| 29 | 29,988 | 17,892 | 47,880 |
| 29, 10 | 149,532 | 62,700 | 212,232 |
| 29 | 19,956 | 636 | 20,592 |
| 26 | 0 | 1,548 | 1,548 |
| 29, 10 | 88,068 | 80,892 | 168,960 |
| 29, 27, 10 | 679,572 | 130,680 | 810,252 |
| 29 | 108,792 | 96,900 | 205,692 |
| 29, 26 | 51,252 | 14,280 | 65,532 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 131,448 | 86,616 | 218,064 |
| 29 | 50,652 | 11,364 | 62,016 |
| 22, 20, 10 | 358,872 | 217,212 | 576,084 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 68,388 | 19,308 | 87,696 |
| 29, 26 | 276,696 | 636,960 | 913,656 |
| 29 | 30,312 | 10,800 | 41,112 |
| 29 | 156,768 | 53,928 | 210,696 |
| 29, 20, 10 | 354,516 | 190,404 | 544,920 |
| 29 | 68,376 | 52,824 | 121,200 |
| 29 | 482,124 | 867,372 | 1,349,496 |
| 29 | 33,108 | 4,272 | 37,380 |
| 20 | 0 | 0 | 0 |
| 29 | 172,824 | 123,528 | 296,352 |
| 29, 20, 10 | 19,500 | $(6,000)$ | 13,500 |
| 29, 26 | 1,474,356 | 1,529,184 | 3,003,540 |
| 29 | 44,460 | 15,876 | 60,336 |
| 29 | 117,888 | 183,480 | 301,368 |
| 29, 10 | 203,172 | 30,888 | 234,060 |
| 29, 10 | 13,392 | $(2,592)$ | 10,800 |
| 22 | 0 | 0 | 0 |
| 29, 22, 20 | 133,404 | 220,644 | 354,048 |
| 29 | 10,224 | 3,732 | 13,956 |
| 29, 20 | 129,588 | 157,620 | 287,208 |
| 29, 22 | 8,532 | 2,004 | 10,536 |
| 29 | 573,432 | 94,584 | 668,016 |
| 29 | 23,424 | 3,540 | 26,964 |
| 29 | 91,284 | 65,160 | 156,444 |
| 29 | 24,012 | 9,252 | 33,264 |
| 29 | 22,404 | 20,076 | 42,480 |
| 29 | 38,712 | 29,364 | 68,076 |
| 29 | 167,976 | 176,232 | 344,208 |
| 29 | 216,948 | 160,512 | 377,460 |
| 29, 20 | 15,456 | 22,980 | 38,436 |
| 29 | 358,392 | 364,848 | 723,240 |
| 29 | 309,996 | 150,264 | 460,260 |
| 29 | 4,452 | 9,504 | 13,956 |
| 29 | 58,236 | 64,080 | 122,316 |
| 29, 22 | 104,016 | 52,536 | 156,552 |
| 13, 10 | 542,940 | 162,576 | 705,516 |
| 29, 10 | 3,146,220 | 1,297,668 | 4,443,888 |


| Municipality Name | Number |
| :---: | :---: |
| Muskegon County Rd C | 6101 |
| Muskegon Heights, Ci | 6102 |
| Muskegon Heights Hou | 6115 |
| Muskegon Housing Com | 6113 |
| Negaunee, City of | 5203 |
| Negaunee Township | 5217 |
| NE Ottawa Dist Libra | 7011 |
| Newaygo County | 6201 |
| Newaygo Cty Mental H | 6207 |
| Newaygo Medical Care | 6204 |
| Newaygo Soil/Wtr C | 6205 |
| Newberry, Village of | 4802 |
| N Houghton Cnty Wtr | 3106 |
| Niles District Libra | 1105 |
| N Muskegon, City of | 6104 |
| No. Mich. Comm. Mntl | 2403 |
| Northfield Township | 8117 |
| Northport, Village o | 4502 |
| Northville, City of | 8208 |
| Northville District | 8229 |
| Northville Township | 8230 |
| Northwestern Reg Arp | 2805 |
| Northwest MI Comm HA | 1502 |
| Norton Shores, City | 6106 |
| Norway, City of | 2204 |
| Novi, City of | 6320 |
| N Pointe Behavioral | 2207 |
| Nrthrn Lakes Comm MH | 2808 |
| Oceana County | 6402 |
| Oceola Township | 4717 |
| Ogemaw County | 6502 |
| Ogemaw County EMS Au | 6508 |
| Ogemaw County Rd Com | 6503 |
| Olive Township | 7009 |
| Onaway, City of | 7105 |
| Ontonagon, Village o | 6603 |
| Ontonagon Cnty Econ | 6605 |
| Ontonagon County | 6602 |
| Ontonagon County Rd | 6604 |
| Ontonagon Memorial H | 6601 |
| Orchard Lake, City o | 6312 |
| Osceola County | 6701 |
| Osceola County Rd Co | 6703 |
| Oscoda Charter Towns | 3503 |
| Oscoda County | 6801 |
| Otisville, Village o | 2506 |
| Otsego County | 6902 |
| Otsego County Rd Com | 6901 |
| Ottawa County | 7003 |
| Ottawa County Cntrl | 7008 |
| Ottawa County Rd Com | 7002 |
| Otter Lake, Village | 4408 |
| Owosso, City of | 7607 |
| Oxford, Village of | 6326 |
| Oxford Public, Fire | 6327 |
| Parchment, City of | 3901 |
| Pathways(Spr.Bhvl.Mn | 5214 |
| Paw Paw, Village of | 8002 |
| Paw Paw Lk Reg Jnt S | 1103 |
| Pellston, Village of | 2404 |
| Pennfield Charter To | 1312 |
| Pentwater, Village o | 6401 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29 | 297,792 | 170,880 | 468,672 |
| 29, 26, 10 | 256,332 | 151,728 | 408,060 |
| 29, 10 | 13,344 | $(7,752)$ | 5,592 |
| 29 | 20,172 | 5,520 | 25,692 |
| 29 | 164,832 | 128,760 | 293,592 |
| 29 | 4,140 | 6,600 | 10,740 |
| 29 | 2,556 | 2,664 | 5,220 |
| 29, 26, 22, 20, 10 | 284,340 | 133,812 | 418,152 |
| 22, 10 | 19,020 | $(14,004)$ | 5,016 |
| 29, 26, 10 | 177,960 | $(30,576)$ | 147,384 |
| 29, 10 | 4,212 | $(1,092)$ | 3,120 |
| 29, 10 | 66,204 | 49,488 | 115,692 |
| 29 | 11,388 | 3,552 | 14,940 |
| 29, 10 | 21,588 | $(1,716)$ | 19,872 |
| 29 | 55,212 | 54,180 | 109,392 |
| 20, 10 | 0 | 0 | 0 |
| 29 | 40,824 | 7,944 | 48,768 |
| 20 | 0 | 0 | 0 |
| 29, 27, 26, 22, 20 | 211,368 | 345,996 | 557,364 |
| 29 | 69,156 | 15,792 | 84,948 |
| 29 | 492,324 | 244,356 | 736,680 |
| 29 | 80,568 | 24,636 | 105,204 |
| 20 | 69,132 | 44,148 | 113,280 |
| 29 | 577,620 | 556,044 | 1,133,664 |
| 29 | 129,840 | 279,504 | 409,344 |
| 29, 27 | 1,035,660 | 866,460 | 1,902,120 |
| 29, 20, 10 | 272,484 | $(34,452)$ | 238,032 |
| 22, 10 | 296,904 | 58,752 | 355,656 |
| 29, 10 | 737,196 | 168,156 | 905,352 |
| 29 | 15,720 | 5,712 | 21,432 |
| 29, 27, 10 | 346,776 | 88,656 | 435,432 |
| 29 | 52,656 | 12,144 | 64,800 |
| 29 | 67,380 | 106,944 | 174,324 |
| 29 | 3,216 | 972 | 4,188 |
| 29 | 18,864 | 936 | 19,800 |
| 29, 20, 10 | 32,952 | 35,568 | 68,520 |
| 27 | 0 | 1,404 | 1,404 |
| 29 | 130,680 | 66,780 | 197,460 |
| 29 | 186,036 | 352,440 | 538,476 |
| 29 | 314,376 | 135,072 | 449,448 |
| 29, 20 | 51,192 | 61,440 | 112,632 |
| 29 | 325,032 | 65,880 | 390,912 |
| 29 | 82,956 | 52,944 | 135,900 |
| 29, 10 | 55,128 | 29,184 | 84,312 |
| 29 | 127,140 | 83,436 | 210,576 |
| 29, 27 | 12,108 | 3,804 | 15,912 |
| 29, 20 | 517,956 | 248,688 | 766,644 |
| 29 | 138,504 | 69,972 | 208,476 |
| 29, 10 | 3,067,176 | 1,108,116 | 4,175,292 |
| 26, 20, 10 | 34,224 | 6,576 | 40,800 |
| 29 | 552,432 | 377,508 | 929,940 |
| 29 | 1,452 | 1,044 | 2,496 |
| 29, 22, 10 | 10,668 | 3,648 | 14,316 |
| 29 | 68,364 | 32,520 | 100,884 |
| 29 | 58,572 | 46,080 | 104,652 |
| 29 | 20,976 | 6,636 | 27,612 |
| 29, 27, 20, 10 | 505,284 | 967,728 | 1,473,012 |
| 29, 10 | 87,444 | 7,716 | 95,160 |
| 29 | 17,424 | 4,776 | 22,200 |
| 29 | 1,704 | 3,348 | 5,052 |
| 29 | 39,876 | 22,116 | 61,992 |
| 29 | 22,620 | 9,192 | 31,812 |


| Municipality Name | Number |
| :---: | :---: |
| Perrinton, Village o | 2909 |
| Petersburg, City of | 5807 |
| Petoskey, City of | 2402 |
| Pewamo, Village of | 3407 |
| Pigeon, Village of | 3203 |
| Pinckney, Village of | 4706 |
| Pinconning, City of | 904 |
| Pittsfield Charter T | 8110 |
| Pleasant Ridge, City | 6301 |
| Plymouth, City of | 8202 |
| Plymouth District Li | 8221 |
| Plymouth Township | 8238 |
| Port Austin, Village | 3208 |
| Port Austin Area Swr | 3210 |
| Port Huron, City of | 7702 |
| Port Huron Charter T | 7711 |
| Portland, City of | 3401 |
| Port Sanilac, Villag | 7403 |
| Presque Isle Cnty Rd | 7101 |
| Presque Isle County | 7104 |
| PRIDE Youth Programs | 6210 |
| Ravenna, Village of | 6111 |
| Reading, City of | 3003 |
| Redford Township | 8209 |
| Redford Twp Dist Lib | 8228 |
| Reed City, City of | 6702 |
| Richfield Township(G | 2514 |
| Richfield Twp(Roscom | 7202 |
| Richland Township | 7310 |
| Rochester, City of | 6307 |
| Rockford, City of | 4103 |
| Rockwood, City of | 5810 |
| Rogers City, City of | 7102 |
| Romeo, Village of | 5005 |
| Romeo District Libra | 5006 |
| Romulus, City of | 8225 |
| Roosevelt Park, City | 6107 |
| Roscommon County | 7201 |
| Roscommon County Tra | 7205 |
| Rose City, City of | 6504 |
| Rose Township | 6506 |
| Royal Oak Township | 6306 |
| Saginaw, City of | 7301 |
| Saginaw Cnty Comm MH | 7318 |
| Saginaw Co 911 Comm | 7316 |
| Saginaw County | 7303 |
| Saginaw County Rd Co | 7304 |
| Saginaw Housing Comm | 7321 |
| Saginaw Midland Mun | 7305 |
| Saginaw Public Libra | 7317 |
| Saginaw Transit Syst | 7319 |
| Saginaw Twp Police D | 7314 |
| Saline, City of | 8105 |
| Sandusky, City of | 7402 |
| Sandusky District Li | 7404 |
| Saranac Housing Comm | 3413 |
| Saugatuck, City of | 307 |
| Saugatuck Township | 305 |
| Sault Ste. Marie, Ci | 1701 |
| Sault Ste. Marie Hou | 4906 |
| Schoolcraft County | 7503 |
| Schoolcraft County R | 7501 |


| Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: |
| 29 | 3,732 | 708 | 4,440 |
| 29 | 10,164 | 2,388 | 12,552 |
| 29 | 370,920 | 153,072 | 523,992 |
| 29 | 4,260 | 2,484 | 6,744 |
| 29 | 11,916 | 10,596 | 22,512 |
| 29, 20 | 32,304 | 14,544 | 46,848 |
| 29, 10 | 22,320 | 11,268 | 33,588 |
| 29, 20, 10 | 265,476 | 191,364 | 456,840 |
| 29, 20 | 48,240 | 64,224 | 112,464 |
| 29, 20, 10 | 48,108 | 477,000 | 525,108 |
| 29, 10 | 82,608 | $(29,700)$ | 52,908 |
| 29, 20, 15, 10 | 333,768 | 251,712 | 585,480 |
| 29 | 6,612 | 1,740 | 8,352 |
| 22, 10 | 0 | 0 | 0 |
| 29, 10 | 1,655,928 | 972,552 | 2,628,480 |
| 29 | 45,096 | 29,664 | 74,760 |
| 29, 10 | 158,940 | 112,692 | 271,632 |
| 29 | 19,812 | 15,948 | 35,760 |
| 29, 10 | 81,684 | 102,756 | 184,440 |
| 29, 26 | 130,632 | 56,076 | 186,708 |
| 29 | 13,224 | 4,788 | 18,012 |
| 29 | 6,204 | 2,064 | 8,268 |
| 29 | 7,212 | 1,284 | 8,496 |
| 29 | 730,668 | 367,560 | 1,098,228 |
| 29 | 59,040 | 6,924 | 65,964 |
| 29 | 131,160 | 59,412 | 190,572 |
| 29 | 26,400 | 50,364 | 76,764 |
| 29 | 29,016 | 34,152 | 63,168 |
| 29 | 43,824 | 55,116 | 98,940 |
| 29 | 201,540 | 78,156 | 279,696 |
| 29 | 147,576 | 64,356 | 211,932 |
| 29, 10 | 62,964 | $(5,304)$ | 57,660 |
| 29, 10 | 87,852 | 92,700 | 180,552 |
| 29, 10 | 107,328 | 33,804 | 141,132 |
| 22, 20 | 52,164 | 48,936 | 101,100 |
| 29, 24 | 399,864 | 961,968 | 1,361,832 |
| 29 | 89,964 | 31,200 | 121,164 |
| 29, 10 | 383,640 | 114,132 | 497,772 |
| 29 | 58,740 | 18,096 | 76,836 |
| 29, 10 | 4,164 | $(4,164)$ | 0 |
| 29, 10 | 1,476 | $(1,476)$ | 0 |
| 29, 26, 24, 10 | 32,268 | $(32,268)$ | 0 |
| 20 | 568,464 | 4,363,488 | 4,931,952 |
| 29, 27, 22 | 126,588 | 183,600 | 310,188 |
| 22 | 130,968 | 92,316 | 223,284 |
| 27, 22, 20, 10 | 1,106,244 | 2,081,124 | 3,187,368 |
| 29, 10 | 259,836 | $(47,904)$ | 211,932 |
| 29, 27, 10 | 56,304 | 75,636 | 131,940 |
| 29, 20 | 35,172 | 45,384 | 80,556 |
| 29, 10 | 38,940 | $(25,932)$ | 13,008 |
| 29, 10 | 56,880 | $(22,812)$ | 34,068 |
| 29 | 107,052 | 156,108 | 263,160 |
| 29, 10 | 379,548 | 249,276 | 628,824 |
| 29 | 53,412 | 95,580 | 148,992 |
| 29 | 3,840 | 732 | 4,572 |
| 29 | 5,964 | 6,672 | 12,636 |
| 27 | 9,888 | 3,456 | 13,344 |
| 29 | 26,700 | 17,820 | 44,520 |
| 29, 27, 10 | 137,604 | 29,088 | 166,692 |
| 29 | 23,172 | 1,788 | 24,960 |
| 29, 10 | 424,728 | 212,544 | 637,272 |
| 29 | 134,868 | 200,508 | 335,376 |

Gabriel Roeder Smith \& Company

| Municipality Name | Number |
| :---: | :---: |
| Schoolcraft Memorial | 7505 |
| Scio Townshio | 8116 |
| S Clinton Co Mun Uti | 1905 |
| Sebewaing, Village o | 3205 |
| SE Oakland Co Resrc | 6310 |
| SE Oakland Co Water | 6309 |
| Shepherd, Village of | 3704 |
| Shiawassee Council o | 7605 |
| Shiawassee County | 7602 |
| Shiawassee County CM | 7609 |
| Shiawassee County Rd | 7601 |
| Shiawassee District | 7606 |
| Sims Whitney Utiliti | 606 |
| SMART | 8216 |
| Southeast MI Council | 8210 |
| South Haven, City of | 8001 |
| South Haven Emer Ser | 8005 |
| South Lyon, City of | 6315 |
| Sparta, Village of | 4107 |
| Springfield, City of | 1303 |
| Spring Lake District | 7016 |
| St. Charles, Village | 7308 |
| St. Clair, City of | 7703 |
| St. Clair Area Fire | 7710 |
| St. Ignace, City of | 4904 |
| St. Johns, City of | 1902 |
| St. Louis, City of | 2902 |
| Stambaugh Township | 3615 |
| Standish, City of | 601 |
| Stanton, City of | 5903 |
| St Clair Shores Hous | 5007 |
| Stephenson, City of | 5504 |
| Sterling, Village of | 605 |
| St Joseph County | 7803 |
| St Louis Housing Com | 2908 |
| Stockbridge, Village | 3316 |
| Summit Township | 3803 |
| Sumpter Township | 8226 |
| Superior Charter Tow | 8109 |
| Superiorland Lbry Co | 5208 |
| Swan Creek Township | 7309 |
| Swartz Creek, City o | 2504 |
| Sylvan Lake, City of | 6314 |
| Tawas Police Authori | 3504 |
| Taylor Housing Comm | 8231 |
| Thirty-Fifth Distric | 8234 |
| Thirty-Fourth Distri | 8235 |
| Three Rivers, City o | 7801 |
| Three Rivers Hospita | 7802 |
| Traverse Area Dist L | 2807 |
| Traverse City, City | 2801 |
| Trenton, City of | 8203 |
| Tri-County Aging Con | 3307 |
| Trio Council on Agin | 6507 |
| Tuscarora Twp Pol Dp | 1604 |
| Tuscola Co Comm Mntl | 7907 |
| Tuscola Co Hlth Dpt | 7901 |
| Tuscola Co Med Care | 7906 |
| Tuscola County | 7902 |
| Tuscola County Road | 7908 |
| Twenty Sixth Jud Cir | 403 |
| Twenty Third Judicia | 8223 |


| Amortization Period(s) | Normal Cost |
| :---: | :---: |
| 24, 22, 20, 10 | 130,140 |
| 29 | 10,236 |
| 29, 10 | 43,644 |
| 29 | 45,252 |
| 29 | 55,836 |
| 29, 20 | 114,240 |
| 29, 10 | 7,968 |
| 29 | 4,812 |
| 29, 20, 10 | 1,490,256 |
| 29, 10 | 266,772 |
| 29, 10 | 110,280 |
| 29, 10 | 4,608 |
| 29 | 6,024 |
| 29 | 4,075,152 |
| 29, 10 | 416,760 |
| 29, 20, 10 | 235,620 |
| 29 | 23,088 |
| 29 | 223,428 |
| 29, 10 | 47,952 |
| 29, 10 | 126,144 |
| 29, 10 | 29,316 |
| 29 | 62,388 |
| 29, 27, 20, 10 | 222,912 |
| 29, 10 | 4,812 |
| 29 | 137,076 |
| 29, 26 | 191,604 |
| 27, 22, 20 | 43,716 |
| 29 | 1,308 |
| 20 | 20,928 |
| 20, 10 | 0 |
| 29 | 24,960 |
| 29 | 9,084 |
| 29, 10 | 480 |
| 29 | 179,112 |
| 29 | 13,368 |
| 29 | 17,292 |
| 29 | 196,140 |
| 29, 26 | 30,348 |
| 29 | 73,212 |
| 29, 10 | 6,240 |
| 29 | 4,956 |
| 29, 22 | 53,988 |
| 29, 10 | 19,032 |
| 29 | 8,460 |
| 29 | 12,108 |
| 29 | 65,652 |
| 29 | 85,236 |
| 29 | 200,244 |
| 20, 10 | 0 |
| 29 | 131,148 |
| 29 | 821,544 |
| 27 | 204,876 |
| 29, 10 | 178,068 |
| 20, 10 | 0 |
| 29 | 38,880 |
| 29, 10 | 166,680 |
| 29 | 102,672 |
| 29, 10 | 132,564 |
| 29, 20, 10 | 343,524 |
| 29 | 41,424 |
| 29, 10 | 61,116 |
| 29 | 28,152 |


| Amortization Payment | Employer Contribution |
| :---: | :---: |
| 183,324 | 313,464 |
| 4,416 | 14,652 |
| $(11,820)$ | 31,824 |
| 66,984 | 112,236 |
| 18,276 | 74,112 |
| 129,228 | 243,468 |
| $(7,968)$ | 0 |
| 4,836 | 9,648 |
| 1,322,580 | 2,812,836 |
| $(20,844)$ | 245,928 |
| 211,428 | 321,708 |
| $(4,608)$ | 0 |
| 1,428 | 7,452 |
| 1,290,216 | 5,365,368 |
| $(416,760)$ | 0 |
| $(185,304)$ | 50,316 |
| 21,336 | 44,424 |
| 93,720 | 317,148 |
| 76,644 | 124,596 |
| 45,852 | 171,996 |
| (132) | 29,184 |
| 37,740 | 100,128 |
| 191,832 | 414,744 |
| $(4,812)$ | 0 |
| 90,456 | 227,532 |
| 240,960 | 432,564 |
| 74,460 | 118,176 |
| 1,320 | 2,628 |
| 60,900 | 81,828 |
| 0 | 0 |
| 24,276 | 49,236 |
| 8,184 | 17,268 |
| (480) | 0 |
| 70,740 | 249,852 |
| 9,852 | 23,220 |
| 14,640 | 31,932 |
| 90,696 | 286,836 |
| 69,528 | 99,876 |
| 50,352 | 123,564 |
| $(6,240)$ | 0 |
| 7,992 | 12,948 |
| 54,960 | 108,948 |
| 13,128 | 32,160 |
| 19,044 | 27,504 |
| 900 | 13,008 |
| 36,696 | 102,348 |
| 55,644 | 140,880 |
| 75,012 | 275,256 |
| 0 | 0 |
| 61,008 | 192,156 |
| 504,264 | 1,325,808 |
| 631,968 | 836,844 |
| $(61,872)$ | 116,196 |
| 0 | 0 |
| 18,696 | 57,576 |
| $(23,280)$ | 143,400 |
| 26,700 | 129,372 |
| $(132,564)$ | 0 |
| 38,952 | 382,476 |
| 52,416 | 93,840 |
| $(29,076)$ | 32,040 |
| 4,320 | 32,472 |

MERS 12/31/2006 Valuation - Results by Municipality

| Municipality Name | Number | Amortization Period(s) | Normal Cost | Amortization Payment | Employer Contribution |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Twin Cities Pub Sfty | 3610 | 20, 10 | 0 | 0 | 0 |
| Ubly, Village of | 3212 | 29 | 7,524 | 11,136 | 18,660 |
| Utica, City of | 5008 | 29 | 54,816 | 47,136 | 101,952 |
| Van Buren County | 8006 | 29 | 248,856 | 346,104 | 594,960 |
| Van Buren District L | 8007 | 29 | 23,028 | 17,760 | 40,788 |
| Van Buren Township | 8236 | 29 | 199,404 | 140,280 | 339,684 |
| Vassar, City of | 7903 | 29 | 70,752 | 40,344 | 111,096 |
| Vevay Township | 3318 | 29 | 5,400 | 6,024 | 11,424 |
| Vicksburg, Village o | 3902 | 29, 10 | 46,680 | 23,376 | 70,056 |
| Vicksburg District L | 3904 | 29 | 8,472 | 924 | 9,396 |
| Vienna Township | 2522 | 29 | 32,184 | 7,020 | 39,204 |
| Village of Bancroft | 7610 | 29 | 1,956 | 2,124 | 4,080 |
| Village of Bingham F | 6332 | 29 | 9,588 | 2,580 | 12,168 |
| Village of Farwell | 1805 | 29 | 6,600 | 5,652 | 12,252 |
| Village of Mackinaw | 1606 | 29 | 19,992 | 756 | 20,748 |
| Village of Spring La | 7015 | 29 | 29,280 | 33,144 | 62,424 |
| Wakefield, City of | 2701 | 29 | 34,620 | 29,112 | 63,732 |
| Walker, City of | 4112 | 26 | 263,772 | 408,360 | 672,132 |
| Walled Lake, City of | 6324 | 29, 10 | 136,824 | 342,444 | 479,268 |
| Washtenaw County Rd | 8102 | 29 | 517,488 | 470,148 | 987,636 |
| Washtenaw County She | 8113 | 29, 22, 10 | 750,984 | 486,156 | 1,237,140 |
| Wayland, City of | 304 | 29 | 106,032 | 44,292 | 150,324 |
| Webberville, Village | 3314 | 29 | 3,216 | 7,536 | 10,752 |
| West Branch, City of | 6505 | 29 | 55,332 | 31,716 | 87,048 |
| West Iron Co Sewer A | 3612 | 29 | 16,152 | 10,896 | 27,048 |
| Westland, City of | 8211 | 29 | 1,686,552 | 1,920,240 | 3,606,792 |
| Westphalia, Village | 1907 | 29 | 4,836 | 1,428 | 6,264 |
| Wexford County | 8302 | 29, 20, 10 | 321,396 | 268,044 | 589,440 |
| Wexford County Rd Co | 8303 | 29 | 167,124 | 175,644 | 342,768 |
| White Cloud, City of | 6206 | 29 | 25,932 | 7,596 | 33,528 |
| White Cloud/Sherman | 6211 | 29 | 10,968 | 2,244 | 13,212 |
| White Cloud Comm Lib | 6208 | 29 | 11,940 | 2,412 | 14,352 |
| Whitehall, City of | 6105 | 29, 10 | 85,044 | 26,244 | 111,288 |
| White Lake Charter T | 6325 | 29 | 307,488 | 161,160 | 468,648 |
| White Pigeon Village | 7804 | 29, 10 | 10,704 | (252) | 10,452 |
| White Pine Library | 5904 | 29, 20 | 1,620 | 5,028 | 6,648 |
| Willard Public Libra | 1308 | 29 | 55,908 | 6,060 | 61,968 |
| Williamston, City of | 3310 | 29, 20 | 57,192 | 62,460 | 119,652 |
| Wixom, City of | 6316 | 29, 27, 20, 10 | 377,952 | 308,352 | 686,304 |
| W MI Comm Mntl Hlth | 5304 | 20, 10 | 37,488 | $(37,488)$ | 0 |
| W MI Shoreline Reg D | 6110 | 29, 10 | 45,444 | $(45,444)$ | 0 |
| Wolverine Lake, Vill | 6329 | 29 | 11,280 | 45,864 | 57,144 |
| W UP Dist Hlth Dept | 3101 | 29, 26 | 261,228 | 75,276 | 336,504 |
| WUPPDR | 3108 | 29, 10 | 21,792 | $(4,176)$ | 17,616 |
| Ypsilanti, City of | 8101 | 29, 10 | 177,204 | $(144,528)$ | 32,676 |
| Ypsilanti, Township | 8104 | 29 | 237,612 | 97,188 | 334,800 |
| Ypsilanti Comm Util | 8106 | 29 | 559,500 | 555,756 | 1,115,256 |
| Ypsilanti Housing Co | 8115 | 29 | 39,012 | 4,992 | 44,004 |
| Totals - Active Groups | 650 |  | 119,285,292 | 95,895,468 | 215,180,760 |
| Totals - Closed Groups | 18 |  | 0 | 0 | 0 |
| Totals - MERS | 668 |  | 119,285,292 | 95,895,468 | 215,180,760 |


| Municipality Name | Number | Active | Retired | Deferred <br> Vested | Pending <br> Refunds | Total | Percent <br> Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 41B District Court | 5014 | 742,898 | 2,078,302 | 586,706 | 11,283 | 3,419,189 | 83.1\% | 863,217 | 3,539,508 | 80.3\% |
| Addison Fire Departm | 4607 | 34,767 | 0 | 0 | 0 | 34,767 | 127.0\% | 36,427 | 36,427 | 121.2\% |
| Adrian, City of | 4601 | 11,923,866 | 24,488,264 | 1,462,347 | 84,898 | 37,959,375 | 101.9\% | 14,372,577 | 40,408,086 | 95.8\% |
| Albion, City of | 1301 | 2,934,557 | 6,006,028 | 793,141 | 4,987 | 9,738,713 | 156.4\% | 3,602,834 | 10,406,990 | 146.3\% |
| Alcona County | 101 | 3,273,397 | 3,906,920 | 397,164 | 0 | 7,577,481 | 86.2\% | 4,009,238 | 8,313,322 | 78.6\% |
| Alger County | 203 | 3,231,480 | 3,506,563 | 84,299 | 0 | 6,822,342 | 82.3\% | 3,875,238 | 7,466,100 | 75.2\% |
| Alger County Road Co | 201 | 2,344,775 | 4,026,926 | 62,215 | 0 | 6,433,916 | 101.8\% | 2,896,086 | 6,985,227 | 93.8\% |
| Algonac, City of | 7707 | 1,567,860 | 824,927 | 430,903 | 17,220 | 2,840,910 | 113.4\% | 1,809,926 | 3,082,976 | 104.5\% |
| Allegan, City of | 309 | 1,359,117 | 763,288 | 413,692 | 0 | 2,536,097 | 71.2\% | 1,795,384 | 2,972,364 | 60.7\% |
| Allegan County | 302 | 11,770,666 | 22,776,814 | 3,241,096 | 77,205 | 37,865,781 | 94.6\% | 13,025,806 | 39,120,921 | 91.6\% |
| Allegan County Rd. C | 301 | 6,195,639 | 7,323,557 | 72,531 | 363 | 13,592,090 | 105.1\% | 7,881,763 | 15,278,214 | 93.5\% |
| Alma, City of | 2901 | 4,849,265 | 8,516,621 | 544,656 | 16,749 | 13,927,291 | 117.6\% | 5,891,730 | 14,969,756 | 109.4\% |
| Almont, Village of | 4407 | 642,026 | 326,729 | 7,414 | 4,565 | 980,734 | 113.0\% | 743,480 | 1,082,188 | 102.4\% |
| Alpena County | 401 | 4,602,890 | 5,747,845 | 636,924 | 7,251 | 10,994,910 | 95.6\% | 5,547,299 | 11,939,319 | 88.1\% |
| Alpena County Rd. Co | 402 | 3,530,608 | 3,933,516 | 39,270 | 0 | 7,503,394 | 106.7\% | 4,446,070 | 8,418,856 | 95.1\% |
| Alpena General Hospi | 405 | 42,609,982 | 43,629,998 | 3,043,765 | 3,983 | 89,287,728 | 112.9\% | 48,769,739 | 95,447,485 | 105.6\% |
| Alpena Senior Citize | 404 | 9,211 | 477,835 | 241,324 | 0 | 728,370 | 40.6\% | 11,105 | 730,264 | 40.5\% |
| Alpha, Village of | 3614 | 2,256 | 0 | 19,261 | 0 | 21,517 | 146.9\% | 2,299 | 21,560 | 146.6\% |
| Antrim County | 502 | 8,988,736 | 7,337,797 | 1,217,436 | 38,373 | 17,582,342 | 111.6\% | 10,723,567 | 19,317,173 | 101.6\% |
| Antrim County Rd Com | 501 | 2,573,577 | 6,062,088 | 20,157 | 0 | 8,655,822 | 74.9\% | 3,055,289 | 9,137,534 | 70.9\% |
| Arenac County | 603 | 2,883,102 | 3,345,206 | 472,274 | 20,102 | 6,720,684 | 85.0\% | 3,144,439 | 6,982,021 | 81.8\% |
| Arenac County Rd Com | 604 | 1,518,602 | 2,902,658 | 39,944 | 0 | 4,461,204 | 61.6\% | 1,870,384 | 4,812,986 | 57.1\% |
| Ash Township | 5804 | 105,187 | 256,121 | 4,699 | 0 | 366,007 | 52.9\% | 123,441 | 384,261 | 50.4\% |
| Auburn, City of | 905 | 809,066 | 299,411 | 0 | 0 | 1,108,477 | 115.0\% | 993,121 | 1,292,532 | 98.6\% |
| Au Gres, City of | 602 | 963,487 | 619,660 | 0 | 0 | 1,583,147 | 69.4\% | 1,215,998 | 1,835,658 | 59.8\% |
| Bad Axe, City of | 3211 | 1,825,369 | 1,797,378 | 129,465 | 1,406 | 3,753,618 | 75.1\% | 2,152,958 | 4,081,207 | 69.1\% |
| Bangor, City of | 8003 | 405,973 | 613,341 | 101,078 | 2,443 | 1,122,835 | 179.0\% | 499,286 | 1,216,148 | 165.3\% |
| Baraga, Village of | 704 | 542,893 | 1,471,769 | 34,012 | 0 | 2,048,674 | 73.5\% | 552,184 | 2,057,965 | 73.1\% |
| Baraga County | 702 | 1,279,987 | 2,376,144 | 146,650 | 0 | 3,802,781 | 93.8\% | 1,563,683 | 4,086,477 | 87.3\% |
| Baraga County Memori | 703 | 5,651,785 | 3,349,329 | 588,252 | 1,911 | 9,591,277 | 98.0\% | 6,584,021 | 10,523,513 | 89.4\% |
| Baraga County Rd Com | 701 | 1,223,226 | 4,451,769 | 0 | 0 | 5,674,995 | 75.1\% | 1,395,127 | 5,846,896 | 72.9\% |
| Baroda Township | 1109 | 38,231 | 0 | 0 | 0 | 38,231 | 137.9\% | 42,409 | 42,409 | 124.3\% |
| Barry County | 802 | 13,621,415 | 14,229,197 | 1,218,668 | 22,601 | 29,091,881 | 92.3\% | 15,944,277 | 31,414,743 | 85.5\% |
| Barry County CMH Aut | 804 | 1,514,840 | 0 | 36,730 | 8,300 | 1,559,870 | 127.5\% | 1,496,000 | 1,541,030 | 129.1\% |
| Barry-Eaton Dist Hlt | 2303 | 4,389,766 | 4,205,393 | 1,072,069 | 24,501 | 9,691,729 | 99.5\% | 5,342,154 | 10,644,117 | 90.6\% |
| Barton Hills, Villag | 8107 | 307,234 | 121,815 | 0 | 0 | 429,049 | 109.5\% | 360,780 | 482,595 | 97.4\% |
| Bates Township | 3616 | 102,494 | 121,395 | 0 | 0 | 223,889 | 61.0\% | 124,531 | 245,926 | 55.5\% |
| Bath Charter Townshi | 1909 | 988,011 | 1,108,741 | 148,907 | 2,849 | 2,248,508 | 108.2\% | 1,082,977 | 2,343,474 | 103.8\% |
| Battle Creek, City o | 1302 | 39,655,510 | 42,217,215 | 2,287,722 | 34,153 | 84,194,600 | 93.3\% | 48,786,865 | 93,325,955 | 84.1\% |
| Bay Area Transportat | 2810 | 423,935 | 0 | 0 | 4,817 | 428,752 | 108.3\% | 463,742 | 468,559 | 99.1\% |
| Bay City, City of | 901 | 11,403,864 | 44,930,289 | 668,411 | 25,804 | 57,028,368 | 67.7\% | 11,070,101 | 56,694,605 | 68.1\% |
| Bay City Housing Com | 906 | 1,488,418 | 2,979,506 | 0 | 0 | 4,467,924 | 99.0\% | 1,389,137 | 4,368,643 | 101.3\% |
| Bayliss Public Libra | 1702 | 219,326 | 222,234 | 60,928 | 0 | 502,488 | 226.0\% | 270,387 | 553,549 | 205.2\% |
| Bay Metro Transit Au | 907 | 3,497,024 | 1,668,176 | 153,848 | 0 | 5,319,048 | 75.1\% | 4,058,191 | 5,880,215 | 68.0\% |
| Beecher Met Dist Swg | 2501 | 1,849,286 | 1,688,828 | 390,351 | 0 | 3,928,465 | 103.5\% | 2,057,395 | 4,136,574 | 98.3\% |
| Belding, City of | 3410 | 320,584 | 1,061,347 | 7,324 | 1,511 | 1,390,766 | 57.2\% | 345,796 | 1,415,978 | 56.2\% |
| Belleville, City of | 8213 | 2,158,370 | 1,644,088 | 108,920 | 0 | 3,911,378 | 82.9\% | 2,557,726 | 4,310,734 | 75.2\% |
| Benzie/Leelanau Dist | 4504 | 184,323 | 71,333 | 0 | 0 | 255,656 | 127.0\% | 204,853 | 276,186 | 117.5\% |
| Benzie County | 1003 | 2,335,179 | 3,374,180 | 1,041,051 | 1,825 | 6,752,235 | 98.2\% | 2,523,761 | 6,940,817 | 95.5\% |
| Benzie County Comm o | 1006 | 180,932 | 242,367 | 20,866 | 0 | 444,165 | 86.1\% | 221,229 | 484,462 | 78.9\% |
| Benzie County MCF (M | 1004 | 2,056,642 | 1,291,764 | 311,227 | 29,540 | 3,689,173 | 131.9\% | 2,456,680 | 4,089,211 | 119.0\% |
| Benzie County Road C | 1001 | 1,797,564 | 3,378,257 | 231,318 | 792 | 5,407,931 | 55.4\% | 2,305,374 | 5,915,741 | 50.6\% |
| Benzie Shores Dist. | 1005 | 83,744 | 0 | 0 | 0 | 83,744 | 135.9\% | 99,318 | 99,318 | 114.6\% |
| Berkley, City of | 6304 | 5,033,403 | 11,160,923 | 571,047 | 24,998 | 16,790,371 | 89.0\% | 6,474,465 | 18,231,433 | 81.9\% |
| Berrien Springs, Vil | 1102 | 1,086,857 | 657,176 | 205,026 | 2,942 | 1,952,001 | 123.4\% | 1,410,298 | 2,275,442 | 105.9\% |
| Bessemer, City of | 2702 | 326,714 | 1,400,392 | 37,662 | 2,735 | 1,767,503 | 104.9\% | 361,003 | 1,801,792 | 102.9\% |
| Beverly Hills, Villa | 6321 | 932,464 | 626,612 | 651,306 | 166 | 2,210,548 | 109.8\% | 1,142,193 | 2,420,277 | 100.3\% |
| Big Rapids, City of | 5402 | 5,425,922 | 3,250,202 | 164,154 | 0 | 8,840,278 | 88.3\% | 6,962,652 | 10,377,008 | 75.3\% |
| Big Rapids Housing C | 5406 | 461,668 | 205,264 | 41,101 | 0 | 708,033 | 100.0\% | 461,239 | 707,604 | 100.0\% |
| Birch Run, Village o | 7315 | 271,866 | 74,056 | 20,116 | 31,205 | 397,243 | 118.2\% | 309,638 | 435,015 | 107.9\% |
| Bishop Intl Arpt Aut | 2507 | 1,462,590 | 845,535 | 90,948 | 26,188 | 2,425,261 | 132.9\% | 1,556,421 | 2,519,092 | 128.0\% |
| Blackman Township | 3806 | 1,188,538 | 2,350,715 | 135,162 | 19,412 | 3,693,827 | 75.8\% | 1,019,866 | 3,525,155 | 79.4\% |
| Blissfield, Village | 4606 | 1,156,903 | 638,400 | 77,646 | 0 | 1,872,949 | 115.3\% | 1,452,321 | 2,168,367 | 99.6\% |
| Bloomfield Hills, Ci | 6302 | 3,067,886 | 18,368,950 | 325,971 | 6,788 | 21,769,595 | 69.7\% | 2,162,716 | 20,864,425 | 72.7\% |
| Blue Water Area Tran | 7709 | 1,422,186 | 386,167 | 176,008 | 0 | 1,984,361 | 120.0\% | 1,672,616 | 2,234,791 | 106.5\% |
| Boyne City, City of | 1506 | 2,839,740 | 3,112,743 | 345,674 | 17,290 | 6,315,447 | 100.2\% | 3,524,524 | 7,000,231 | 90.4\% |
| Branch County Sherif | 1205 | 245,025 | 78,899 | 0 | 0 | 323,924 | 169.1\% | 266,361 | 345,260 | 158.7\% |
| Brandon Township | 6333 | 2,884,618 | 147,493 | 0 | 0 | 3,032,111 | 106.6\% | 3,582,825 | 3,730,318 | 86.6\% |
| Breckenridge,Village | 2906 | 997,564 | 804,510 | 19,990 | 0 | 1,822,064 | 80.4\% | 1,363,912 | 2,188,412 | 66.9\% |
| Bridgeport Charter T | 7307 | 1,236,352 | 3,146,920 | 522,807 | 9,385 | 4,915,464 | 90.7\% | 1,393,518 | 5,072,630 | 87.9\% |
| Brighton, City of | 4704 | 3,711,653 | 3,305,510 | 229,670 | 0 | 7,246,833 | 101.8\% | 3,263,573 | 6,798,753 | 108.5\% |
| Brighton Area Fire A | 4715 | 67,290 | 209,987 | 0 | 0 | 277,277 | 115.7\% | 74,687 | 284,674 | 112.7\% |
| Brighton Township | 4711 | 365,194 | 300,765 | 284,370 | 23,542 | 973,871 | 118.5\% | 425,738 | 1,034,415 | 111.5\% |
| Britton, Village of | 4604 | 63,865 | 52,929 | 0 | 0 | 116,794 | 209.6\% | 69,928 | 122,857 | 199.3\% |
| Brnch-Hllsdl-St.Josp | 1202 | 2,984,453 | 3,402,090 | 955,619 | 27,176 | 7,369,338 | 126.5\% | 3,566,315 | 7,951,200 | 117.2\% |
| Bronson, City of | 1204 | 174,040 | 92,732 | 20,321 | 0 | 287,093 | 87.5\% | 229,400 | 342,453 | 73.4\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending Refunds | Total | Percent <br> Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Brooklyn, Village of | 3801 | 192,840 | 779,854 | 0 | 0 | 972,694 | 81.0\% | 232,322 | 1,012,176 | 77.8\% |
| Buchanan, City of | 1101 | 1,384,750 | 3,052,542 | 208,029 | 33,740 | 4,679,061 | 141.9\% | 1,600,334 | 4,894,645 | 135.7\% |
| Buchanan District Li | 1108 | 54,617 | 0 | 0 | 0 | 54,617 | 78.2\% | 62,620 | 62,620 | 68.2\% |
| Buena Vista Charter | 7312 | 2,702,386 | 3,102,448 | 268,003 | 60,262 | 6,133,099 | 98.5\% | 3,023,985 | 6,454,698 | 93.6\% |
| Burton, City of | 2508 | 9,662,013 | 17,041,630 | 1,098,716 | 17,241 | 27,819,600 | 54.6\% | 10,136,627 | 28,294,214 | 53.7\% |
| Butman Township | 2604 | 0 | 0 | 98,224 | 0 | 98,224 | 117.8\% | 0 | 98,224 | 117.8\% |
| Cadillac, City of | 8301 | 3,909,429 | 3,880,511 | 317,705 | 0 | 8,107,645 | 133.4\% | 4,616,615 | 8,814,831 | 122.7\% |
| Cadillac/Wexford Tra | 8305 | 506,807 | 146,502 | 0 | 0 | 653,309 | 101.5\% | 644,971 | 791,473 | 83.8\% |
| Calhoun County | 1311 | 9,213,479 | 8,335,143 | 79,901 | 60,688 | 17,689,211 | 51.3\% | 10,077,758 | 18,553,490 | 48.9\% |
| Calhoun County Road | 1307 | 3,584,831 | 5,314,934 | 953,372 | 6,754 | 9,859,891 | 72.8\% | 4,324,266 | 10,599,326 | 67.7\% |
| Canton Public Librar | 8232 | 1,494,210 | 737,395 | 0 | 0 | 2,231,605 | 90.6\% | 1,815,347 | 2,552,742 | 79.2\% |
| Canton Township | 8233 | 31,903,665 | 23,558,330 | 116,140 | 146,997 | 55,725,132 | 85.1\% | 32,986,292 | 56,807,759 | 83.4\% |
| Capac, Village of | 7705 | 249,508 | 1,228,760 | 94,004 | 471 | 1,572,743 | 56.7\% | 262,790 | 1,586,025 | 56.2\% |
| Capital Area Dist Li | 3317 | 1,327,748 | 0 | 14,005 | 26,868 | 1,368,621 | 138.7\% | 1,586,318 | 1,627,191 | 116.6\% |
| Capital Region Arprt | 3305 | 3,533,759 | 6,321,909 | 503,991 | 5,097 | 10,364,756 | 78.1\% | 4,696,169 | 11,527,166 | 70.2\% |
| Carleton, Village of | 5805 | 320,608 | 166,857 | 14,705 | 0 | 502,170 | 104.5\% | 381,892 | 563,454 | 93.2\% |
| Carrollton Township | 7320 | 933,768 | 340,435 | 4,100 | 1,712 | 1,280,015 | 91.3\% | 971,793 | 1,318,040 | 88.6\% |
| Cascade Charter Town | 4110 | 2,537,350 | 400,033 | 354,109 | 7,520 | 3,299,012 | 92.3\% | 2,870,364 | 3,632,026 | 83.8\% |
| Caseville, Village o | 3207 | 615,063 | 154,054 | 0 | 803 | 769,920 | 103.0\% | 726,914 | 881,771 | 90.0\% |
| Caspian, Village of | 3608 | 364,101 | 254,701 | 21,955 | 0 | 640,757 | 83.2\% | 452,489 | 729,145 | 73.1\% |
| Cass County | 1402 | 4,954,433 | 7,194,438 | 618,744 | 101,034 | 12,868,649 | 105.9\% | 5,317,439 | 13,231,655 | 103.0\% |
| Cass County MCF | 1403 | 1,647,859 | 975,086 | 248,961 | 42,363 | 2,914,269 | 146.1\% | 1,958,897 | 3,225,307 | 132.0\% |
| Cass District Librar | 1404 | 105,402 | 234,385 | 43,792 | 10,728 | 394,307 | 172.0\% | 119,100 | 408,005 | 166.2\% |
| Cedar Springs, City | 4105 | 740,861 | 1,109,043 | 167,478 | 3,985 | 2,021,367 | 97.5\% | 930,632 | 2,211,138 | 89.1\% |
| Center Line, City of | 5001 | 1,260,271 | 5,780,424 | 9,898 | 45,608 | 7,096,201 | 86.4\% | 1,232,113 | 7,068,043 | 86.8\% |
| Central Dispatch of | 6109 | 966,042 | 2,132,572 | 10,423 | 22,402 | 3,131,439 | 116.2\% | 771,693 | 2,937,090 | 123.9\% |
| Central MI Dist Hlth | 3705 | 4,291,808 | 6,423,553 | 1,109,030 | 52,390 | 11,876,781 | 90.4\% | 4,629,838 | 12,214,811 | 87.9\% |
| Central Wayne County | 8214 | 0 | 2,779,743 | 646,234 | 0 | 3,425,977 | 99.0\% | 0 | 3,425,977 | 99.0\% |
| Charlevoix, City of | 1505 | 3,278,612 | 3,947,873 | 381,262 | 0 | 7,607,747 | 89.6\% | 4,095,007 | 8,424,142 | 80.9\% |
| Charlevoix Cnty Rd C | 1501 | 1,619,086 | 3,282,844 | 137,601 | 213 | 5,039,744 | 91.5\% | 1,922,791 | 5,343,449 | 86.3\% |
| Charlevoix County | 1503 | 11,642,546 | 8,707,662 | 1,057,403 | 7,386 | 21,414,997 | 93.1\% | 14,110,478 | 23,882,929 | 83.5\% |
| Charlotte, City of | 2301 | 4,802,809 | 6,616,498 | 552,520 | 19,431 | 11,991,258 | 94.2\% | 5,251,006 | 12,439,455 | 90.8\% |
| Charlotte District L | 2309 | 179,233 | 256,559 | 0 | 0 | 435,792 | 72.3\% | 206,161 | 462,720 | 68.1\% |
| Charter Twp of Muske | 6108 | 4,333,794 | 4,972,842 | 285,230 | 11,706 | 9,603,572 | 105.5\% | 5,040,359 | 10,310,137 | 98.3\% |
| Cheboygan, City of | 1602 | 2,867,804 | 3,932,583 | 32,187 | 6,837 | 6,839,411 | 92.1\% | 3,577,700 | 7,549,307 | 83.4\% |
| Cheboygan County | 1603 | 5,793,566 | 4,318,310 | 756,906 | 36,739 | 10,905,521 | 110.6\% | 7,068,968 | 12,180,923 | 99.0\% |
| Cheboygan County Rd | 1601 | 3,043,372 | 9,712,718 | 206,867 | 0 | 12,962,957 | 71.8\% | 3,416,626 | 13,336,211 | 69.8\% |
| Chelsea, Village of | 8103 | 1,960,903 | 5,360,814 | 213,472 | 0 | 7,535,189 | 70.9\% | 2,156,152 | 7,730,438 | 69.1\% |
| Chesaning, Village o | 7313 | 630,302 | 1,717,662 | 71,597 | 0 | 2,419,561 | 21.2\% | 743,443 | 2,532,702 | 20.3\% |
| Chesterfield Townshi | 5009 | 4,142,618 | 989,954 | 100,854 | 5,304 | 5,238,730 | 93.4\% | 4,811,810 | 5,907,922 | 82.8\% |
| Chesterfield Townshi | 5010 | 283,660 | 0 | 0 | 0 | 283,660 | 146.5\% | 319,137 | 319,137 | 130.2\% |
| Chikaming Township | 1112 | 691,200 | 0 | 0 | 0 | 691,200 | 81.4\% | 806,384 | 806,384 | 69.7\% |
| Chippewa County | 1703 | 9,725,206 | 9,423,670 | 2,129,489 | 79,614 | 21,357,979 | 106.4\% | 11,910,064 | 23,542,837 | 96.5\% |
| Chippewa County Rd C | 1704 | 4,058,906 | 7,217,222 | 269,939 | 0 | 11,546,067 | 90.8\% | 5,020,642 | 12,507,803 | 83.8\% |
| Chippewa River Dist | 3707 | 891,592 | 241,608 | 10,814 | 11,237 | 1,155,251 | 138.0\% | 1,061,375 | 1,325,034 | 120.3\% |
| City of Bridgman | 1110 | 466,898 | 0 | 0 | 0 | 466,898 | 90.9\% | 535,980 | 535,980 | 79.1\% |
| City of Clio | 2523 | 368,838 | 0 | 16,370 | 0 | 385,208 | 101.8\% | 431,896 | 448,266 | 87.5\% |
| City of Harbor Sprin | 2405 | 1,680,448 | 436,717 | 0 | 0 | 2,117,165 | 85.4\% | 2,030,718 | 2,467,435 | 73.2\% |
| City of Richmond | 5012 | 764,882 | 274,499 | 0 | 0 | 1,039,381 | 69.0\% | 906,139 | 1,180,638 | 60.8\% |
| Clare, City of | 1804 | 1,604,551 | 2,579,602 | 446,417 | 6,505 | 4,637,075 | 92.4\% | 1,845,285 | 4,877,809 | 87.9\% |
| Clare County | 1802 | 4,463,579 | 5,433,197 | 462,674 | 36,550 | 10,396,000 | 112.8\% | 5,392,491 | 11,324,912 | 103.6\% |
| Clare County Road Co | 1801 | 1,955,612 | 5,430,448 | 0 | 181 | 7,386,241 | 106.5\% | 2,441,970 | 7,872,599 | 99.9\% |
| Clawson, City of | 6305 | 3,843,420 | 14,822,506 | 45,714 | 6,559 | 18,718,199 | 62.4\% | 4,010,688 | 18,885,467 | 61.9\% |
| Clay Township | 7706 | 2,619,432 | 1,752,461 | 101,859 | 31,928 | 4,505,680 | 73.5\% | 3,038,765 | 4,925,013 | 67.3\% |
| Clearwater Township | 4005 | 36,084 | 0 | 0 | 0 | 36,084 | 100.9\% | 45,777 | 45,777 | 79.6\% |
| Clinton, Village of | 4602 | 1,554,144 | 372,742 | 172,741 | 8,102 | 2,107,729 | 144.5\% | 1,911,372 | 2,464,957 | 123.5\% |
| Clinton County | 1903 | 11,420,683 | 12,002,828 | 1,256,790 | 11,870 | 24,692,171 | 99.0\% | 13,216,042 | 26,487,530 | 92.3\% |
| Clinton County Road | 1901 | 4,701,141 | 5,623,805 | 192,850 | 25,882 | 10,543,678 | 102.4\% | 5,448,345 | 11,290,882 | 95.6\% |
| Clinton-Eaton-Ingham | 3308 | 37,865,483 | 31,712,432 | 4,858,504 | 176,879 | 74,613,298 | 93.1\% | 45,957,736 | 82,705,551 | 84.0\% |
| Clinton Township | 5002 | 16,442,982 | 19,418,886 | 1,265,197 | 99,944 | 37,227,009 | 102.9\% | 19,383,844 | 40,167,871 | 95.4\% |
| Coldwater, City of | 1201 | 3,785,358 | 7,543,845 | 885,457 | 21,052 | 12,235,712 | 109.3\% | 4,449,146 | 12,899,500 | 103.6\% |
| Coldwater Board of P | 1203 | 3,021,481 | 4,682,332 | 315,992 | 11,511 | 8,031,316 | 91.3\% | 3,840,189 | 8,850,024 | 82.9\% |
| Coleman, City of | 5603 | 589,160 | 900,616 | 26,584 | 0 | 1,516,360 | 71.6\% | 642,290 | 1,569,490 | 69.2\% |
| Coloma Township | 1107 | 83,055 | 0 | 0 | 0 | 83,055 | 175.7\% | 85,181 | 85,181 | 171.3\% |
| Columbiaville, Villa | 4406 | 70,484 | 134,424 | 0 | 0 | 204,908 | 106.3\% | 75,929 | 210,353 | 103.6\% |
| Comm Mental Hlth for | 3708 | 13,847,446 | 10,297,518 | 3,689,246 | 21,924 | 27,856,134 | 123.1\% | 15,377,345 | 29,386,033 | 116.7\% |
| Coopersville, City o | 7005 | 663,858 | 562,735 | 97,001 | 22,718 | 1,346,312 | 117.4\% | 755,765 | 1,438,219 | 109.9\% |
| Corunna City of | 7604 | 470,580 | 2,482,908 | 422,933 | 0 | 3,376,421 | 80.7\% | 459,102 | 3,364,943 | 81.0\% |
| Corwith Township | 6904 | 5,146 | 0 | 0 | 0 | 5,146 | 104.5\% | 5,228 | 5,228 | 102.8\% |
| Crawford Cnty Trans. | 2004 | 1,008,852 | 1,437,331 | 0 | 86 | 2,446,269 | 116.7\% | 1,224,453 | 2,661,870 | 107.2\% |
| Crawford County | 2001 | 4,978,169 | 3,915,774 | 349,885 | 4,518 | 9,248,346 | 79.2\% | 5,883,679 | 10,153,856 | 72.2\% |
| Crawford County Rd C | 2002 | 1,824,367 | 2,438,388 | 183,580 | 6,840 | 4,453,175 | 61.9\% | 2,268,186 | 4,896,994 | 56.3\% |
| Croswell, City of | 7401 | 2,110,032 | 3,235,249 | 2,664 | 254 | 5,348,199 | 79.6\% | 2,425,124 | 5,663,291 | 75.2\% |
| Crystal Falls, City | 3603 | 1,089,426 | 5,021,972 | 38,824 | 0 | 6,150,222 | 92.8\% | 1,216,357 | 6,277,153 | 90.9\% |
| Crystal Falls Comm H | 3618 | 0 | 1,931,104 | 1,298,363 | 0 | 3,229,467 | 123.5\% | 0 | 3,229,467 | 123.5\% |
| Davison, City of | 2516 | 1,646,562 | 3,168,615 | 0 | 1,139 | 4,816,316 | 75.3\% | 1,521,087 | 4,690,841 | 77.3\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending Refunds | Total | Percent <br> Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Davison Township | 2519 | 2,171,759 | 2,392,647 | 3,665 | 0 | 4,568,071 | 87.7\% | 2,424,448 | 4,820,760 | 83.1\% |
| Deerfield, Village o | 4603 | 396,431 | 412,027 | 0 | 0 | 808,458 | 118.4\% | 465,533 | 877,560 | 109.1\% |
| Delta Charter Townsh | 2306 | 2,585,285 | 3,600,080 | 167,022 | 3,103 | 6,355,490 | 93.6\% | 2,377,093 | 6,147,298 | 96.8\% |
| Delta County | 2102 | 7,927,433 | 9,942,686 | 842,265 | 24,261 | 18,736,645 | 90.9\% | 9,908,055 | 20,717,267 | 82.2\% |
| Delta County Rd Comm | 2105 | 3,094,933 | 2,954,750 | 285,348 | 0 | 6,335,031 | 58.1\% | 3,875,226 | 7,115,324 | 51.7\% |
| Delta-Menominee Dist | 2103 | 2,031,300 | 400,156 | 801,194 | 24,918 | 3,257,568 | 178.3\% | 2,423,251 | 3,649,519 | 159.2\% |
| Detour, Village of | 1706 | 191,823 | 97,284 | 2,244 | 0 | 291,351 | 70.1\% | 235,527 | 335,055 | 61.0\% |
| Detroit Housing Comm | 8241 | 1,003,030 | 0 | 0 | 0 | 1,003,030 | 152.9\% | 1,170,891 | 1,170,891 | 131.0\% |
| DeWitt, City of | 1908 | 1,157,210 | 1,132,990 | 107,737 | 6,972 | 2,404,909 | 65.2\% | 1,474,016 | 2,721,715 | 57.6\% |
| Dewitt Charter Towns | 1910 | 1,009,464 | 163,048 | 159,874 | 15,068 | 1,347,454 | 121.4\% | 1,052,794 | 1,390,784 | 117.6\% |
| Dexter, Village of | 8217 | 1,025,233 | 1,043,258 | 89,201 | 8,493 | 2,166,185 | 100.5\% | 1,193,708 | 2,334,660 | 93.2\% |
| Dexter Township | 8111 | 216,282 | 145,118 | 10,865 | 14,931 | 387,196 | 105.2\% | 263,206 | 434,120 | 93.8\% |
| Dickinson County | 2206 | 5,739,193 | 9,781,455 | 1,050,471 | 26,893 | 16,598,012 | 89.7\% | 6,207,127 | 17,065,946 | 87.2\% |
| Dickinson County Rd | 2203 | 2,703,883 | 3,397,004 | 128,515 | 0 | 6,229,402 | 91.5\% | 3,374,165 | 6,899,684 | 82.6\% |
| Dickinson-Iron Dist | 3605 | 1,214,004 | 2,991,262 | 845,942 | 17,841 | 5,069,049 | 103.3\% | 1,413,108 | 5,268,153 | 99.4\% |
| Dimondale, Village of | 2304 | 231,707 | 98,439 | 75,317 | 0 | 405,463 | 108.4\% | 273,162 | 446,918 | 98.3\% |
| Dist Hlth Dept No 2 | 6501 | 1,902,847 | 1,819,728 | 567,465 | 13,733 | 4,303,773 | 103.2\% | 2,214,425 | 4,615,351 | 96.2\% |
| Dist Hlth Dept No 4 | 7103 | 4,575,332 | 4,131,561 | 547,704 | 30,560 | 9,285,157 | 105.8\% | 5,337,101 | 10,046,926 | 97.8\% |
| District Health Dept | 5104 | 6,126,226 | 10,776,351 | 887,696 | 5,973 | 17,796,246 | 75.7\% | 7,397,436 | 19,067,456 | 70.7\% |
| Douglas, Village of | 303 | 781,714 | 420,149 | 64,115 | 0 | 1,265,978 | 101.2\% | 919,653 | 1,403,917 | 91.2\% |
| Dowagiac, City of | 1401 | 3,538,730 | 8,335,122 | 566,100 | 25,567 | 12,465,519 | 65.6\% | 4,266,368 | 13,193,157 | 62.0\% |
| Dowagiac District Li | 1406 | 19,306 | 0 | 0 | 0 | 19,306 | 109.4\% | 24,622 | 24,622 | 85.8\% |
| Dowagiac Housing Com | 1405 | 14,512 | 0 | 32,538 | 0 | 47,050 | 217.1\% | 21,677 | 54,215 | 188.4\% |
| Drummond Island Town | 1708 | 13,907 | 0 | 0 | 0 | 13,907 | 200.9\% | 14,650 | 14,650 | 190.8\% |
| Dryden, Village of | 4405 | 43,959 | 184,188 | 41,797 | 0 | 269,944 | 119.2\% | 49,864 | 275,849 | 116.7\% |
| Dundee, Village of | 5803 | 991,114 | 574,379 | 0 | 10,800 | 1,576,293 | 156.7\% | 1,167,432 | 1,752,611 | 140.9\% |
| Durand, City of | 7603 | 1,364,514 | 1,160,376 | 88,030 | 0 | 2,612,920 | 117.7\% | 1,550,032 | 2,798,438 | 109.9\% |
| East China, Township | 7701 | 1,726,900 | 2,533,577 | 146,471 | 4,511 | 4,411,459 | 95.4\% | 2,214,544 | 4,899,103 | 85.9\% |
| Eastern UP Trans Aut | 1705 | 1,873,630 | 3,687,490 | 167,389 | 0 | 5,728,509 | 80.0\% | 2,395,419 | 6,250,298 | 73.3\% |
| East Grand Rapids, Ci | 4101 | 1,361,054 | 14,976,590 | 311,891 | 5,648 | 16,655,183 | 76.4\% | 1,222,101 | 16,516,230 | 77.1\% |
| East Jordan, City of | 1504 | 1,068,376 | 1,430,760 | 161,778 | 2,395 | 2,663,309 | 100.3\% | 1,294,009 | 2,888,942 | 92.4\% |
| East Lansing, City o | 3301 | 32,919,663 | 74,337,693 | 3,074,637 | 33,838 | 110,365,831 | 86.6\% | 32,923,388 | 110,369,556 | 86.6\% |
| Eastpointe Housing C | 5011 | 203,065 | 0 | 0 | 0 | 203,065 | 119.5\% | 226,532 | 226,532 | 107.1\% |
| Eaton Co Medical Car | 2305 | 1,488,742 | 1,821,969 | 354,557 | 112,081 | 3,777,349 | 123.3\% | 1,765,770 | 4,054,377 | 114.9\% |
| Eaton County | 2302 | 26,458,820 | 47,694,335 | 1,562,333 | 270,735 | 75,986,223 | 76.1\% | 25,421,578 | 74,948,981 | 77.2\% |
| Eaton Rapids, City o | 2307 | 3,702,934 | 2,726,142 | 193,857 | 17,464 | 6,640,397 | 83.5\% | 4,290,710 | 7,228,173 | 76.7\% |
| Eau Claire, Village | 1104 | 69,350 | 316,035 | 0 | 1,744 | 387,129 | 65.7\% | 79,768 | 397,547 | 64.0\% |
| Ecorse, City of | 8206 | 4,941,115 | 32,316,780 | 615,036 | 3,091 | 37,876,022 | 66.3\% | 5,417,038 | 38,351,945 | 65.5\% |
| Elderly Housing Comm | 8222 | 846,913 | 932,220 | 52,760 | 0 | 1,831,893 | 92.9\% | 1,008,258 | 1,993,238 | 85.4\% |
| Elkton, Village of | 3206 | 143,874 | 203,177 | 107,362 | 0 | 454,413 | 106.4\% | 169,992 | 480,531 | 100.7\% |
| Elsie, Village of | 1906 | 0 | 59,340 | 68,067 | 6,360 | 133,767 | 131.7\% | 0 | 133,767 | 131.7\% |
| Emmet, Charter Twnsh | 1310 | 676,723 | 1,202,019 | 19,678 | 428 | 1,898,848 | 100.3\% | 746,934 | 1,969,059 | 96.7\% |
| Emmet County Rd Comm | 2401 | 1,415,913 | 9,095,808 | 178,695 | 0 | 10,690,416 | 76.2\% | 1,582,601 | 10,857,104 | 75.1\% |
| Escanaba, City of | 2101 | 7,274,448 | 13,849,428 | 1,130,015 | 25,016 | 22,278,907 | 83.9\% | 8,579,812 | 23,584,271 | 79.2\% |
| Essexville, City of | 903 | 1,502,475 | 3,380,625 | 38,349 | 0 | 4,921,449 | 97.8\% | 1,972,627 | 5,391,601 | 89.2\% |
| Evart, City of | 6705 | 476,672 | 353,328 | 178,889 | 0 | 1,008,889 | 97.2\% | 553,115 | 1,085,332 | 90.4\% |
| Evart Local Dev Fina | 6706 | 190,312 | 37,874 | 0 | 0 | 228,186 | 96.4\% | 255,609 | 293,483 | 74.9\% |
| Farmington Comm Libr | 6319 | 2,469,215 | 3,292,060 | 46,702 | 13,151 | 5,821,128 | 108.9\% | 2,984,154 | 6,336,067 | 100.1\% |
| Fenton, City of | 2505 | 3,734,173 | 3,529,981 | 40,769 | 1,224 | 7,306,147 | 105.3\% | 4,147,538 | 7,719,512 | 99.6\% |
| Ferrysburg, City of | 7106 | 602,372 | 216,537 | 55,488 | 0 | 874,397 | 84.0\% | 734,522 | 1,006,547 | 73.0\% |
| Flat Rock, City of | 8212 | 4,945,517 | 8,533,593 | 36,316 | 30,503 | 13,545,929 | 77.2\% | 5,188,353 | 13,788,765 | 75.8\% |
| Flint Charter Townsh | 2512 | 8,998,983 | 2,353,836 | 387,966 | 23,315 | 11,764,100 | 107.7\% | 8,605,088 | 11,370,205 | 111.5\% |
| Flint Public Library | 2518 | 240,672 | 0 | 0 | 0 | 240,672 | 185.2\% | 302,915 | 302,915 | 147.1\% |
| Flushing, Charter To | 2515 | 2,998,717 | 153,083 | 7,232 | 4,642 | 3,163,674 | 67.5\% | 3,146,187 | 3,311,144 | 64.5\% |
| Flushing, City of | 2502 | 3,654,203 | 6,402,594 | 155,140 | 8,673 | 10,220,610 | 77.6\% | 3,206,150 | 9,772,557 | 81.2\% |
| Forsyth Township | 5212 | 1,994,809 | 1,542,821 | 185,222 | 0 | 3,722,852 | 64.1\% | 2,357,351 | 4,085,394 | 58.4\% |
| Fowler, Village of | 1904 | 15,572 | 202,165 | 12,579 | 0 | 230,316 | 102.2\% | 15,414 | 230,158 | 102.3\% |
| Fowlerville, Village | 4705 | 635,962 | 1,172,733 | 298,731 | 22,789 | 2,130,215 | 127.3\% | 734,585 | 2,228,838 | 121.7\% |
| Fowlerville District | 4710 | 94,716 | 0 | 0 | 0 | 94,716 | 131.4\% | 112,456 | 112,456 | 110.7\% |
| Frankenmuth, City of | 7306 | 3,117,950 | 5,250,135 | 189,184 | 1,598 | 8,558,867 | 97.5\% | 3,880,359 | 9,321,276 | 89.6\% |
| Frankfort, City of | 1002 | 670,573 | 1,271,386 | 1,792 | 394 | 1,944,145 | 84.0\% | 741,365 | 2,014,937 | 81.1\% |
| Franklin, Village of | 6323 | 1,913,330 | 665,449 | 816 | 4,005 | 2,583,600 | 100.1\% | 1,763,930 | 2,434,200 | 106.2\% |
| Fraser, City of | 5003 | 0 | 73,332 | 99,978 | 0 | 173,310 | 170.4\% | 0 | 173,310 | 170.4\% |
| Fremont, City of | 6203 | 2,582,311 | 3,446,028 | 97,504 | 0 | 6,125,843 | 89.1\% | 3,195,835 | 6,739,367 | 81.0\% |
| Fremont Area Distric | 6209 | 151,820 | 505,651 | 29,075 | 0 | 686,546 | 88.7\% | 185,217 | 719,943 | 84.6\% |
| Gaastra, City of | 3617 | 83,807 | 0 | 0 | 0 | 83,807 | 101.7\% | 102,163 | 102,163 | 83.4\% |
| Gaylord, City of | 6903 | 2,898,709 | 2,557,997 | 81,128 | 0 | 5,537,834 | 95.8\% | 3,270,365 | 5,909,490 | 89.8\% |
| Genesee Charter Town | 2510 | 3,961,594 | 5,408,260 | 119,943 | 178 | 9,489,975 | 67.8\% | 4,910,969 | 10,439,350 | 61.7\% |
| Genoa Township | 4713 | 14,491 | 0 | 0 | 0 | 14,491 | 246.4\% | 12,833 | 12,833 | 278.2\% |
| Gladstone, City of | 2106 | 2,226,655 | 5,562,203 | 186,783 | 0 | 7,975,641 | 69.7\% | 2,325,501 | 8,074,487 | 68.8\% |
| Gladwin, City of | 2605 | 1,128,161 | 701,353 | 211,026 | 0 | 2,040,540 | 73.6\% | 1,337,301 | 2,249,680 | 66.8\% |
| Gladwin CO. District | 2607 | 258,081 | 82,020 | 72,252 | 7,000 | 419,353 | 136.0\% | 317,867 | 479,139 | 119.0\% |
| Gladwin County | 2602 | 3,462,944 | 5,723,910 | 641,078 | 49,868 | 9,877,800 | 97.5\% | 3,987,659 | 10,402,515 | 92.6\% |
| Gladwin County Rd Co | 2601 | 2,600,220 | 7,057,038 | 192,927 | 0 | 9,850,185 | 88.4\% | 3,186,896 | 10,436,861 | 83.5\% |
| Gogebic-Iron Wastewt | 2703 | 489,302 | 933,306 | 0 | 0 | 1,422,608 | 75.0\% | 536,310 | 1,469,616 | 72.6\% |
| Grand Blanc, City of | 2513 | 4,209,568 | 974,376 | 48,824 | 932 | 5,233,700 | 103.0\% | 4,849,038 | 5,873,170 | 91.7\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending <br> Refunds | Total | Percent <br> Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grand Blanc Charter | 2511 | 4,237,580 | 4,212,545 | 2,089 | 2,145 | 8,454,359 | 65.6\% | 3,904,652 | 8,121,431 | 68.3\% |
| Grand Haven, City of | 7010 | 19,468,693 | 24,936,729 | 1,634,474 | 52,010 | 46,091,906 | 135.8\% | 20,659,758 | 47,282,971 | 132.3\% |
| Grand Ledge Area Em | 2310 | 198,032 | 0 | 20,431 | 0 | 218,463 | 141.7\% | 189,770 | 210,201 | 147.3\% |
| Grand Rapids Housing | 4108 | 607,687 | 154,001 | 110,523 | 0 | 872,211 | 78.1\% | 788,362 | 1,052,886 | 64.7\% |
| Grand Trav. Pavilion | 2809 | 6,786,138 | 2,911,716 | 1,712,258 | 23,780 | 11,433,892 | 94.8\% | 7,226,749 | 11,874,503 | 91.3\% |
| Grand Traverse Cnty | 2802 | 2,234,204 | 6,129,865 | 150,719 | 0 | 8,514,788 | 89.5\% | 2,854,016 | 9,134,600 | 83.4\% |
| Grand Traverse Count | 2803 | 12,585,542 | 51,576,963 | 2,487,221 | 6,354 | 66,656,080 | 55.1\% | 13,579,531 | 67,650,069 | 54.2\% |
| Grandville, City of | 4102 | 3,363,330 | 9,217,482 | 831,887 | 0 | 13,412,699 | 74.8\% | 4,086,545 | 14,135,914 | 71.0\% |
| Gratiot County | 2905 | 7,391,400 | 7,447,032 | 1,040,736 | 0 | 15,879,168 | 91.3\% | 8,419,665 | 16,907,433 | 85.8\% |
| Gratiot County Rd Co | 2903 | 4,734,569 | 5,754,254 | 141,751 | 0 | 10,630,574 | 97.6\% | 6,129,089 | 12,025,094 | 86.3\% |
| Grayling, City of | 2003 | 1,324,535 | 843,325 | 29,195 | 0 | 2,197,055 | 111.8\% | 1,652,476 | 2,524,996 | 97.3\% |
| Green Oak Township | 4708 | 1,116,014 | 0 | 156,252 | 0 | 1,272,266 | 84.7\% | 1,049,734 | 1,205,986 | 89.4\% |
| Greenville, City of | 5906 | 1,225,763 | 1,351,970 | 283,905 | 25,774 | 2,887,412 | 113.8\% | 1,188,070 | 2,849,719 | 115.3\% |
| Grosse Ile Township | 8207 | 7,908,807 | 7,076,325 | 484,341 | 0 | 15,469,473 | 90.2\% | 8,885,683 | 16,446,349 | 84.8\% |
| Grosse Pointe Park, | 8201 | 9,283,279 | 14,903,180 | 128,817 | 74,759 | 24,390,035 | 94.6\% | 10,421,186 | 25,527,942 | 90.4\% |
| Grosse Pte-Clntn Rfs | 5004 | 0 | 2,104,182 | 338,908 | 0 | 2,443,090 | 125.7\% | 0 | 2,443,090 | 125.7\% |
| Groveland Township | 6335 | 585,514 | 184,818 | 0 | 0 | 770,332 | 104.8\% | 671,661 | 856,479 | 94.2\% |
| Hackley Public Libra | 6114 | 14,562 | 0 | 0 | 0 | 14,562 | 184.8\% | 19,675 | 19,675 | 136.8\% |
| Hamburg Township | 4709 | 640,214 | 354,446 | 0 | 389 | 995,049 | 82.7\% | 636,635 | 991,470 | 83.0\% |
| Hamtramck, City of | 8205 | 14,942,116 | 65,944,483 | 785,537 | 340,370 | 82,012,506 | 72.6\% | 15,984,306 | 83,054,696 | 71.7\% |
| Hancock, City of | 3107 | 828,195 | 0 | 0 | 8,652 | 836,847 | 115.5\% | 945,129 | 953,781 | 101.3\% |
| Harbor Beach, City o | 3201 | 2,314,296 | 1,109,326 | 337,505 | 7,523 | 3,768,650 | 124.7\% | 2,661,919 | 4,116,273 | 114.1\% |
| Harrison, City of | 1803 | 872,228 | 654,994 | 100,211 | 0 | 1,627,433 | 105.5\% | 1,055,454 | 1,810,659 | 94.8\% |
| Hartland Deerfield T | 4716 | 27,643 | 0 | 0 | 0 | 27,643 | 296.2\% | 26,862 | 26,862 | 304.8\% |
| Hastings, City of | 801 | 3,622,293 | 6,876,601 | 283,026 | 27,860 | 10,809,780 | 81.7\% | 4,264,788 | 11,452,275 | 77.1\% |
| Health Source of Sag | 7311 | 10,569,608 | 12,191,143 | 2,173,923 | 16,815 | 24,951,489 | 111.0\% | 12,597,159 | 26,979,040 | 102.6\% |
| Helen Newberry Joy H | 4805 | 4,300,723 | 5,486,445 | 379,507 | 57,649 | 10,224,324 | 107.5\% | 5,139,908 | 11,063,509 | 99.3\% |
| Henika District Libr | 310 | 186,460 | 0 | 0 | 0 | 186,460 | 158.3\% | 266,372 | 266,372 | 110.8\% |
| Herrick District Lib | 7012 | 2,344,409 | 1,662,253 | 168,311 | 0 | 4,174,973 | 95.1\% | 2,808,672 | 4,639,236 | 85.6\% |
| Hiawatha Comm MH Aut | t 1707 | 4,403,134 | 1,517,393 | 1,187,063 | 38,453 | 7,146,043 | 142.7\% | 5,094,277 | 7,837,186 | 130.1\% |
| Highland Park, City | 8227 | 2,686,384 | 18,923,602 | 1,116,717 | 175,629 | 22,902,332 | 21.4\% | 2,900,019 | 23,115,967 | 21.2\% |
| Hillsdale, City of | 3001 | 5,717,917 | 4,979,866 | 865,954 | 48,798 | 11,612,535 | 137.2\% | 7,130,369 | 13,024,987 | 122.3\% |
| Hillsdale County Rd | 3004 | 3,324,932 | 2,182,436 | 25,631 | 4,544 | 5,537,543 | 81.4\% | 4,111,538 | 6,324,149 | 71.3\% |
| Hillsdale County-She | 3005 | 1,962,373 | 1,190,070 | 107,230 | 258 | 3,259,931 | 57.7\% | 2,106,884 | 3,404,442 | 55.3\% |
| Holland, City of | 7001 | 28,072,659 | 48,869,420 | 2,580,813 | 21,319 | 79,544,211 | 97.8\% | 33,840,376 | 85,311,928 | 91.2\% |
| Holland Hospital | 7006 | 0 | 1,853,820 | 587,152 | 0 | 2,440,972 | 120.8\% | 0 | 2,440,972 | 120.8\% |
| Holland Swimming Poo | 7014 | 104,520 | 0 | 0 | 525 | 105,045 | 138.7\% | 132,265 | 132,790 | 109.8\% |
| Holly, Village of | 6317 | 3,777,720 | 3,719,064 | 260,548 | 3,205 | 7,760,537 | 90.9\% | 4,955,116 | 8,937,933 | 78.9\% |
| Homer, Village of | 1304 | 345,656 | 194,578 | 141,473 | 0 | 681,707 | 148.3\% | 406,159 | 742,210 | 136.2\% |
| Houghton County | 3102 | 6,517,340 | 7,372,804 | 383,199 | 35,375 | 14,308,718 | 84.9\% | 7,756,553 | 15,547,931 | 78.1\% |
| Houghton County Road | 3103 | 814,539 | 2,441,813 | 0 | 0 | 3,256,352 | 81.4\% | 1,051,729 | 3,493,542 | 75.9\% |
| Houghton Lake Public | 7203 | 158,908 | 0 | 0 | 0 | 158,908 | 168.8\% | 193,512 | 193,512 | 138.6\% |
| Howard City, Village | 5902 | 70,821 | 514,592 | 28,066 | 0 | 613,479 | 94.5\% | 76,366 | 619,024 | 93.7\% |
| Howard Township | 1106 | 19,415 | 0 | 0 | 0 | 19,415 | 163.8\% | 26,797 | 26,797 | 118.7\% |
| Howell, City of | 4702 | 3,430,872 | 8,719,664 | 1,432,143 | 26,235 | 13,608,914 | 75.9\% | 3,954,946 | 14,132,988 | 73.1\% |
| Howell Area Fire Aut | 4714 | 244,921 | 0 | 0 | 0 | 244,921 | 120.1\% | 262,892 | 262,892 | 111.9\% |
| Howell Carnegie Dist | 4707 | 465,178 | 62,847 | 18,667 | 0 | 546,692 | 124.1\% | 561,928 | 643,442 | 105.5\% |
| Hudsonville, City of | 7004 | 123,726 | 1,265,664 | 431,055 | 2,635 | 1,823,080 | 68.2\% | 156,644 | 1,855,998 | 67.0\% |
| Huntington Woods, Ci | 6303 | 4,324,395 | 12,063,668 | 48,626 | 40,483 | 16,477,172 | 68.7\% | 5,036,265 | 17,189,042 | 65.9\% |
| Huron Charter Townsh | 8224 | 5,174,422 | 3,325,696 | 5,390 | 15,041 | 8,520,549 | 77.8\% | 5,155,837 | 8,501,964 | 78.0\% |
| Huron County | 3204 | 21,283,878 | 22,482,970 | 4,039,678 | 266,640 | 48,073,166 | 109.3\% | 27,043,215 | 53,832,503 | 97.6\% |
| Huron County Rd Comm | 3202 | 4,849,062 | 12,335,213 | 246,099 | 0 | 17,430,374 | 101.2\% | 6,107,165 | 18,688,477 | 94.4\% |
| Imlay City, City of | 4404 | 2,104,119 | 733,204 | 192,251 | 0 | 3,029,574 | 110.7\% | 2,680,323 | 3,605,778 | 93.0\% |
| Independence Townshi | 6328 | 2,468,420 | 222,081 | 0 | 0 | 2,690,501 | 133.9\% | 2,611,815 | 2,833,896 | 127.1\% |
| Indianfields Townshi | 7905 | 39,461 | 155,956 | 40,065 | 0 | 235,482 | 23.6\% | 43,546 | 239,567 | 23.2\% |
| Ingham County | 3303 | 85,174,161 | 103,610,716 | 13,965,746 | 834,964 | 203,585,587 | 92.0\% | 98,491,367 | 216,902,793 | 86.4\% |
| Ingham County Road C | 3302 | 8,254,766 | 15,750,449 | 519,333 | 2,444 | 24,526,992 | 91.4\% | 10,008,569 | 26,280,795 | 85.3\% |
| Interurban Transit A | 308 | 480,240 | 0 | 0 | 0 | 480,240 | 150.6\% | 581,151 | 581,151 | 124.5\% |
| Ionia, City of | 3403 | 3,965,591 | 4,735,520 | 434,583 | 453 | 9,136,147 | 64.4\% | 3,555,508 | 8,726,064 | 67.5\% |
| Ionia Community Libr | 3412 | 152,811 | 70,623 | 0 | 0 | 223,434 | 87.0\% | 169,025 | 239,648 | 81.2\% |
| Ionia County | 3408 | 1,699,777 | 496,321 | 227,759 | 26,974 | 2,450,831 | 127.4\% | 1,815,620 | 2,566,674 | 121.7\% |
| Ionia County Road Co | 3404 | 2,519,903 | 7,947,707 | 40,397 | 0 | 10,508,007 | 41.3\% | 2,826,276 | 10,814,380 | 40.1\% |
| Ionia Housing Commis | 3406 | 360,495 | 292,728 | 0 | 0 | 653,223 | 98.3\% | 402,063 | 694,791 | 92.4\% |
| Iosco County | 3501 | 6,449,593 | 7,190,086 | 1,147,153 | 5,495 | 14,792,327 | 90.8\% | 7,477,929 | 15,820,663 | 84.9\% |
| Iosco County Road Co | 3502 | 2,956,189 | 2,351,952 | 46,619 | 8,829 | 5,363,589 | 92.2\% | 3,613,550 | 6,020,950 | 82.1\% |
| Iron County | 3606 | 7,536,287 | 6,750,427 | 753,070 | 54,426 | 15,094,210 | 109.6\% | 9,079,562 | 16,637,485 | 99.5\% |
| Iron County Housing | 3611 | 142,557 | 45,924 | 8,885 | 0 | 197,366 | 139.2\% | 153,073 | 207,882 | 132.2\% |
| Iron County Road Com | 3602 | 3,230,453 | 5,042,036 | 46,124 | 0 | 8,318,613 | 65.6\% | 4,197,449 | 9,285,609 | 58.8\% |
| Iron Mntn-Kingsford | 2205 | 308,802 | 52,875 | 20,715 | 446 | 382,838 | 97.0\% | 341,710 | 415,746 | 89.4\% |
| Iron Mountain, City | 2201 | 2,039,640 | 7,045,463 | 112,076 | 0 | 9,197,179 | 70.9\% | 2,190,448 | 9,347,987 | 69.8\% |
| Iron River, City of | 3601 | 2,551,960 | 2,022,076 | 50,346 | 468 | 4,624,850 | 104.9\% | 3,112,144 | 5,185,034 | 93.5\% |
| Isabella Co. Transp. | 3709 | 642,709 | 0 | 197,098 | 0 | 839,807 | 99.0\% | 743,681 | 940,779 | 88.3\% |
| Isabella County | 3703 | 12,929,501 | 10,854,186 | 2,044,278 | 11,280 | 25,839,245 | 102.7\% | 15,001,789 | 27,911,533 | 95.1\% |
| Isabella County Rd C | 3702 | 1,853,503 | 5,646,780 | 244,633 | 22,283 | 7,767,199 | 99.5\% | 2,147,262 | 8,060,958 | 95.9\% |
| Ishpeming, City of | 5204 | 2,905,445 | 5,581,346 | 241,008 | 41,213 | 8,769,012 | 84.6\% | 3,099,164 | 8,962,731 | 82.8\% |
| Ishpeming A J Wstwtr | 5207 | 279,750 | 38,434 | 28,377 | 12,194 | 358,755 | 145.9\% | 267,020 | 346,025 | 151.3\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending Refunds | Total | Percent <br> Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ishpeming Township | 5216 | 436,099 | 263,499 | 0 | 0 | 699,598 | 85.8\% | 530,040 | 793,539 | 75.7\% |
| Ithaca, City of | 2904 | 940,021 | 2,252,597 | 154,183 | 137 | 3,346,938 | 83.9\% | 1,220,443 | 3,627,360 | 77.4\% |
| Jackson, Cty Transpor | 3805 | 1,583,224 | 499,353 | 296,269 | 10,895 | 2,389,741 | 115.5\% | 1,866,240 | 2,672,757 | 103.3\% |
| Jackson District Lib | 3802 | 1,168,037 | 1,712,335 | 461,912 | 21,761 | 3,364,045 | 154.6\% | 1,396,773 | 3,592,781 | 144.8\% |
| Jordan Valley Distri | 1507 | 43,337 | 21,171 | 0 | 0 | 64,508 | 203.5\% | 45,685 | 66,856 | 196.3\% |
| Kalamazoo Lk, Sewer | 306 | 458,976 | 150,616 | 91,416 | 0 | 701,008 | 99.0\% | 571,466 | 813,498 | 85.3\% |
| Kalamazoo Public Lib | 3903 | 1,101,417 | 103,909 | 5,001 | 0 | 1,210,327 | 150.6\% | 1,225,746 | 1,334,656 | 136.6\% |
| Kalkaska, Village of | 4001 | 928,391 | 2,067,197 | 1,303 | 16,562 | 3,013,453 | 85.1\% | 868,865 | 2,953,927 | 86.8\% |
| Kalkaska County | 4003 | 4,249,992 | 4,015,960 | 698,553 | 24,363 | 8,988,868 | 109.3\% | 4,998,791 | 9,737,667 | 100.9\% |
| Kalkaska County Rd C | 4002 | 1,229,540 | 5,672,329 | 80,267 | 0 | 6,982,136 | 68.8\% | 1,428,125 | 7,180,721 | 66.9\% |
| Kalkaska Public Tran | 4004 | 137,994 | 920,247 | 243,490 | 4,770 | 1,306,501 | 79.5\% | 150,908 | 1,319,415 | 78.7\% |
| Keego Harbor, City o | 6322 | 1,145,978 | 929,180 | 165,940 | 1,710 | 2,242,808 | 84.9\% | 1,408,078 | 2,504,908 | 76.0\% |
| Kent County CMH Auth | 4109 | 6,226,228 | 2,027,675 | 591,355 | 13,458 | 8,858,716 | 174.5\% | 6,857,458 | 9,489,946 | 162.9\% |
| Keweenaw County | 4202 | 781,538 | 338,371 | 41,073 | 0 | 1,160,982 | 98.9\% | 795,835 | 1,175,279 | 97.7\% |
| Keweenaw County Rd C | 4201 | 2,017,161 | 2,398,454 | 0 | 0 | 4,415,615 | 91.9\% | 2,674,973 | 5,073,427 | 80.0\% |
| Kinde, Village of | 3209 | 3,243 | 178,047 | 0 | 0 | 181,290 | 47.6\% | 3,243 | 181,290 | 47.6\% |
| Kingsford, City of | 2202 | 2,200,856 | 1,644,397 | 19,877 | 485 | 3,865,615 | 110.3\% | 2,920,580 | 4,585,339 | 93.0\% |
| L'Anse, Village of | 705 | 1,569,513 | 1,760,791 | 61,779 | 0 | 3,392,083 | 79.6\% | 2,025,880 | 3,848,450 | 70.2\% |
| Laingsburg, City of | 7608 | 76,764 | 0 | 9,671 | 2,133 | 88,568 | 183.4\% | 86,662 | 98,466 | 165.0\% |
| Lake County | 4301 | 3,178,608 | 1,317,409 | 275,688 | 9,750 | 4,781,455 | 121.5\% | 3,686,909 | 5,289,756 | 109.8\% |
| Lake County Rd Commi | 4302 | 2,114,878 | 4,128,839 | 191,146 | 0 | 6,434,863 | 82.4\% | 2,628,769 | 6,948,754 | 76.4\% |
| Lakeland Library Coo | 4106 | 358,714 | 111,393 | 0 | 5,746 | 475,853 | 133.8\% | 443,307 | 560,446 | 113.6\% |
| Lake Linden, Village | 3105 | 347,925 | 119,863 | 138,306 | 0 | 606,094 | 98.3\% | 404,117 | 662,286 | 89.9\% |
| Lake Odessa, Village | 3402 | 0 | 41,382 | 0 | 0 | 41,382 | 167.4\% | 0 | 41,382 | 167.4\% |
| Lake Orion, Village | 6318 | 1,001,099 | 2,445,349 | 50,490 | 4,534 | 3,501,472 | 87.8\% | 1,300,984 | 3,801,357 | 80.8\% |
| Lakeshore Coordinati | 7007 | 247,522 | 371,843 | 18,226 | 0 | 637,591 | 115.7\% | 265,771 | 655,840 | 112.5\% |
| Lansing Housing Comm | 3311 | 2,635,674 | 2,257,284 | 403,567 | 0 | 5,296,525 | 125.3\% | 3,307,897 | 5,968,748 | 111.2\% |
| Lapeer, City of | 4401 | 5,502,520 | 5,434,501 | 439,246 | 0 | 11,376,267 | 98.0\% | 6,284,740 | 12,158,487 | 91.6\% |
| Lapeer County | 4403 | 25,060,365 | 19,045,287 | 2,946,990 | 56,860 | 47,109,502 | 117.9\% | 29,899,764 | 51,948,901 | 106.9\% |
| Lapeer County Rd Com | 4402 | 3,681,601 | 5,851,751 | 175,888 | 25,161 | 9,734,401 | 77.6\% | 4,125,651 | 10,178,451 | 74.2\% |
| Lapeer District Libr | 4410 | 1,471,064 | 1,284,787 | 16,886 | 5,008 | 2,777,745 | 83.1\% | 1,869,207 | 3,175,888 | 72.6\% |
| Lathrup Village, Cit | 6311 | 1,426,470 | 3,322,223 | 148,337 | 57,240 | 4,954,270 | 106.0\% | 1,557,742 | 5,085,542 | 103.2\% |
| Laurium, Village of | 3104 | 379,524 | 753,525 | 23,955 | 0 | 1,157,004 | 81.6\% | 431,372 | 1,208,852 | 78.1\% |
| Lawrence, Village of | 8004 | 0 | 53,373 | 34,548 | 0 | 87,921 | 166.9\% | 0 | 87,921 | 166.9\% |
| Leelanau County | 4501 | 6,543,092 | 3,829,730 | 747,077 | 2,506 | 11,122,405 | 91.2\% | 7,436,031 | 12,015,344 | 84.4\% |
| Leelanau County Rd C | 4503 | 1,761,652 | 1,202,323 | 212,045 | 10,939 | 3,186,959 | 64.0\% | 2,076,436 | 3,501,743 | 58.3\% |
| Leoni Township | 3804 | 1,956,966 | 1,663,436 | 220,982 | 15,428 | 3,856,812 | 109.7\% | 2,026,769 | 3,926,615 | 107.7\% |
| Leslie, City of | 3313 | 803,950 | 363,595 | 15,231 | 1,218 | 1,183,994 | 74.9\% | 1,087,488 | 1,467,532 | 60.4\% |
| Leslie Township | 3319 | 103,721 | 0 | 0 | 0 | 103,721 | 102.1\% | 111,651 | 111,651 | 94.8\% |
| Lexington, Village o | 7708 | 807,706 | 217,586 | 0 | 0 | 1,025,292 | 92.5\% | 1,033,314 | 1,250,900 | 75.9\% |
| Library Network | 8218 | 1,822,853 | 1,495,141 | 704,487 | 20,047 | 4,042,528 | 115.4\% | 2,174,875 | 4,394,550 | 106.2\% |
| Lima Township | 8112 | 249,927 | 26,164 | 0 | 0 | 276,091 | 75.5\% | 271,343 | 297,507 | 70.1\% |
| Litchfield, City of | 3006 | 423,727 | 0 | 0 | 0 | 423,727 | 92.9\% | 485,167 | 485,167 | 81.1\% |
| Livingston County | 4703 | 24,248,499 | 29,983,369 | 3,262,366 | 19,205 | 57,513,439 | 99.9\% | 27,451,673 | 60,716,613 | 94.6\% |
| Livingston County CM | 4712 | 4,639,252 | 1,639,387 | 1,052,573 | 0 | 7,331,212 | 128.5\% | 5,503,030 | 8,194,990 | 114.9\% |
| Livingston County Rd | 4701 | 6,346,445 | 5,239,397 | 833,208 | 0 | 12,419,050 | 107.9\% | 7,515,342 | 13,587,947 | 98.6\% |
| LMAS Dist Hlth Depar | 4803 | 1,308,763 | 2,583,564 | 1,954,547 | 664 | 5,847,538 | 122.9\% | 1,519,937 | 6,058,712 | 118.6\% |
| Looking Glass Region | 2311 | 24,209 | 0 | 582 | 0 | 24,791 | 168.0\% | 26,670 | 27,252 | 152.9\% |
| Loutit District Libr | 7013 | 353,476 | 320,289 | 0 | 520 | 674,285 | 119.1\% | 414,782 | 735,591 | 109.2\% |
| Lowell, City of | 4104 | 3,983,324 | 3,031,892 | 391,426 | 0 | 7,406,642 | 93.8\% | 4,686,667 | 8,109,985 | 85.7\% |
| Luce County | 4804 | 1,865,037 | 1,495,222 | 355,699 | 609 | 3,716,567 | 69.3\% | 2,431,939 | 4,283,469 | 60.2\% |
| Luce County Rd Commi | 4801 | 2,230,986 | 3,713,859 | 168,128 | 0 | 6,112,973 | 70.9\% | 2,803,401 | 6,685,388 | 64.8\% |
| Ludington, City of | 5302 | 2,888,291 | 9,117,290 | 898,595 | 0 | 12,904,176 | 93.5\% | 3,535,566 | 13,551,451 | 89.0\% |
| Ludington-Mason Dist | 5303 | 817,879 | 317,119 | 0 | 0 | 1,134,998 | 99.3\% | 1,049,851 | 1,366,970 | 82.4\% |
| Luna Pier, City of | 5802 | 417,753 | 3,359,083 | 0 | 14,596 | 3,791,432 | 69.1\% | 416,868 | 3,790,547 | 69.1\% |
| Lyons, Village of | 3411 | 31,681 | 0 | 0 | 0 | 31,681 | 149.8\% | 36,487 | 36,487 | 130.0\% |
| Mackinac Co. Housing | 4905 | 22,446 | 314,060 | 0 | 0 | 336,506 | 67.6\% | 26,514 | 340,574 | 66.7\% |
| Mackinac County | 4901 | 4,724,609 | 2,940,194 | 847,202 | 3,636 | 8,515,641 | 100.2\% | 5,574,391 | 9,365,423 | 91.1\% |
| Mackinac County Rd C | 4903 | 2,112,578 | 2,743,600 | 208,686 | 0 | 5,064,864 | 75.9\% | 2,554,993 | 5,507,279 | 69.8\% |
| Mackinac Strts Hosp | 4902 | 5,863,452 | 2,329,838 | 256,427 | 99,036 | 8,548,753 | 108.6\% | 6,927,460 | 9,612,761 | 96.6\% |
| Madison Heights, Cit | 6308 | 7,723,184 | 15,834,640 | 1,125,852 | 15,113 | 24,698,789 | 102.8\% | 9,601,908 | 26,577,513 | 95.5\% |
| Madison Township | 4605 | 222,343 | 178,030 | 56,681 | 0 | 457,054 | 108.0\% | 248,459 | 483,170 | 102.2\% |
| Manistee, City of | 5105 | 4,003,980 | 7,003,127 | 0 | 0 | 11,007,107 | 126.9\% | 4,092,336 | 11,095,463 | 125.9\% |
| Manistee Cnty Rd Com | 5103 | 2,450,610 | 4,965,059 | 368,004 | 0 | 7,783,673 | 55.5\% | 2,894,701 | 8,227,764 | 52.5\% |
| Manistee County | 5101 | 11,724,738 | 8,591,803 | 1,157,322 | 30,326 | 21,504,189 | 101.7\% | 13,599,176 | 23,378,627 | 93.6\% |
| Manistee Housing Com | 5107 | 100,327 | 17,435 | 65,276 | 0 | 183,038 | 173.6\% | 110,994 | 193,705 | 164.1\% |
| Manistique, City of | 7504 | 2,395,626 | 5,604,240 | 1,397 | 0 | 8,001,263 | 64.5\% | 2,461,960 | 8,067,597 | 63.9\% |
| Manlius Township | 311 | 186,957 | 0 | 0 | 0 | 186,957 | 74.6\% | 222,074 | 222,074 | 62.8\% |
| Manton, City of | 8304 | 225,937 | 941,569 | 44,179 | 0 | 1,211,685 | 52.8\% | 257,222 | 1,242,970 | 51.5\% |
| Marenisco Township | 2704 | 91,262 | 0 | 0 | 0 | 91,262 | 79.9\% | 108,160 | 108,160 | 67.4\% |
| Marine City, City of | 7704 | 0 | 34,506 | 0 | 0 | 34,506 | 168.4\% | 0 | 34,506 | 168.4\% |
| Marion, Village of | 6704 | 182,907 | 214,139 | 12,118 | 0 | 409,164 | 83.5\% | 200,740 | 426,997 | 80.0\% |
| Marlette, City of | 7405 | 764,594 | 0 | 8,602 | 0 | 773,196 | 82.8\% | 887,452 | 896,054 | 71.4\% |
| Marquette, City of | 5201 | 9,471,023 | 20,417,407 | 939,087 | 19,010 | 30,846,527 | 87.4\% | 10,899,208 | 32,274,712 | 83.5\% |
| Marquette Brd of Lig | 5209 | 6,904,009 | 19,311,231 | 372,592 | 34,851 | 26,622,683 | 88.9\% | 7,511,255 | 27,229,929 | 86.9\% |
| Marquette Charter To | 5215 | 683,195 | 53,449 | 70,188 | 0 | 806,832 | 79.0\% | 864,170 | 987,807 | 64.5\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending Refunds | Total | Percent <br> Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Marquette Cnty Trans | 5206 | 961,912 | 686,810 | 62,742 | 0 | 1,711,464 | 108.3\% | 1,099,519 | 1,849,071 | 100.2\% |
| Marquette County | 5202 | 20,884,000 | 32,321,527 | 2,581,300 | 138,298 | 55,925,125 | 82.9\% | 24,499,840 | 59,540,965 | 77.8\% |
| Marquette County Air | 5210 | 760,154 | 1,270,010 | 30,401 | 0 | 2,060,565 | 68.9\% | 992,954 | 2,293,365 | 61.9\% |
| Marquette County Rd | 5211 | 4,855,340 | 11,736,647 | 255,742 | 11,713 | 16,859,442 | 61.5\% | 5,882,078 | 17,886,180 | 57.9\% |
| Marquette Waste Mgmt | 5213 | 420,144 | 235,453 | 247,460 | 3,579 | 906,636 | 88.3\% | 503,882 | 990,374 | 80.8\% |
| Marshall, City of | 1306 | 6,670,711 | 13,207,901 | 559,437 | 50,020 | 20,488,069 | 109.8\% | 7,917,053 | 21,734,411 | 103.5\% |
| Marshall Area Fire/A | 1313 | 46,752 | 0 | 0 | 2,357 | 49,109 | 140.5\% | 48,657 | 51,014 | 135.2\% |
| Marshall District Li | 1309 | 0 | 276,340 | 0 | 0 | 276,340 | 89.7\% | 0 | 276,340 | 89.7\% |
| Mason, City of | 3304 | 3,324,693 | 6,362,393 | 267,863 | 37,363 | 9,992,312 | 98.0\% | 4,392,048 | 11,059,667 | 88.5\% |
| Mason County | 5301 | 8,990,313 | 16,213,844 | 2,973,075 | 0 | 28,177,232 | 109.0\% | 11,029,411 | 30,216,330 | 101.6\% |
| Mason County Road Co | 5305 | 1,907,862 | 1,411,734 | 36,507 | 2,529 | 3,358,632 | 80.0\% | 2,085,285 | 3,536,055 | 76.0\% |
| Mason-Oceana Cty Enh | 6403 | 394,966 | 86,970 | 0 | 15,920 | 497,856 | 143.1\% | 353,939 | 456,829 | 155.9\% |
| Mastodon Township | 3613 | 0 | 48,176 | 0 | 0 | 48,176 | 107.7\% | 0 | 48,176 | 107.7\% |
| MBS International Ai | 902 | 1,748,820 | 4,192,267 | 70,114 | 0 | 6,011,201 | 89.1\% | 2,111,376 | 6,373,757 | 84.0\% |
| Meceola Central Disp | 5405 | 453,955 | 147,511 | 100,895 | 0 | 702,361 | 126.6\% | 507,539 | 755,945 | 117.6\% |
| Mecosta County | 5403 | 8,132,804 | 8,758,443 | 2,152,247 | 16,625 | 19,060,119 | 105.8\% | 9,470,818 | 20,398,133 | 98.8\% |
| Mecosta County Gener | 5404 | 0 | 4,692,966 | 3,177,417 | 0 | 7,870,383 | 112.1\% | 0 | 7,870,383 | 112.1\% |
| Mecosta County Rd Co | 5401 | 2,780,055 | 3,530,271 | 135,060 | 4,286 | 6,449,672 | 113.3\% | 3,266,390 | 6,936,007 | 105.3\% |
| Melvindale, City of | 8215 | 9,023,946 | 14,568,792 | 302,017 | 1,378 | 23,896,133 | 69.1\% | 8,784,971 | 23,657,158 | 69.8\% |
| Melvindale Housing C | 8220 | 229,242 | 136,751 | 78,720 | 0 | 444,713 | 105.8\% | 227,522 | 442,993 | 106.2\% |
| Menominee, City of | 5501 | 2,704,522 | 2,813,421 | 343,233 | 0 | 5,861,176 | 110.7\% | 3,239,809 | 6,396,463 | 101.5\% |
| Menominee County | 5502 | 4,785,253 | 5,589,319 | 512,763 | 19,840 | 10,907,175 | 96.3\% | 5,457,054 | 11,578,976 | 90.8\% |
| Menominee County Rd | 5503 | 1,479,785 | 1,264,205 | 0 | 0 | 2,743,990 | 85.7\% | 1,795,821 | 3,060,026 | 76.8\% |
| Meridian Charter Tow | 3315 | 14,295,258 | 13,785,932 | 755,180 | 38,425 | 28,874,795 | 65.7\% | 11,813,817 | 26,393,354 | 71.9\% |
| Metamora Township | 4409 | 218,470 | 0 | 0 | 0 | 218,470 | 143.8\% | 244,845 | 244,845 | 128.3\% |
| Mich. Grand River Wa | 3306 | 0 | 14,831 | 0 | 0 | 14,831 | 88.3\% | 0 | 14,831 | 88.3\% |
| Mich S Cntrl Pwr Age | 3002 | 2,915,910 | 2,437,037 | 607,117 | 0 | 5,960,064 | 102.7\% | 3,244,596 | 6,288,750 | 97.3\% |
| Middleville, Village | 803 | 380,388 | 216,868 | 19,757 | 3,443 | 620,456 | 139.5\% | 476,252 | 716,320 | 120.8\% |
| Midland, City of | 5601 | 21,561,763 | 62,167,801 | 2,896,248 | 74,474 | 86,700,286 | 87.8\% | 24,963,787 | 90,102,310 | 84.5\% |
| Midland Auth for Cen | 5604 | 667,243 | 26,134 | 0 | 6,243 | 699,620 | 136.7\% | 657,393 | 689,770 | 138.7\% |
| Midland County Road | 5602 | 2,897,248 | 7,140,481 | 56,770 | 406 | 10,094,905 | 83.4\% | 2,780,083 | 9,977,740 | 84.4\% |
| Mid Michigan Dist Hl | 5901 | 1,662,717 | 2,332,953 | 702,540 | 29,022 | 4,727,232 | 117.2\% | 1,799,938 | 4,864,453 | 113.9\% |
| Mid-Michigan Library | 8306 | 141,175 | 181,888 | 62,941 | 0 | 386,004 | 136.2\% | 166,534 | 411,363 | 127.8\% |
| Mid Peninsula Lbry C | 3609 | 0 | 237,414 | 108,357 | 1,936 | 347,707 | 87.3\% | 0 | 347,707 | 87.3\% |
| Milan, City of | 5801 | 2,119,526 | 5,629,813 | 478,038 | 0 | 8,227,377 | 76.6\% | 2,330,831 | 8,438,682 | 74.7\% |
| Milan Library | 5806 | 89,976 | 151,023 | 0 | 0 | 240,999 | 85.6\% | 111,875 | 262,898 | 78.5\% |
| Milford, Village of | 6313 | 3,057,809 | 3,726,143 | 293,301 | 84 | 7,077,337 | 89.4\% | 3,577,068 | 7,596,596 | 83.3\% |
| Millington, Village | 7904 | 400,191 | 409,129 | 233,779 | 416 | 1,043,515 | 108.0\% | 507,208 | 1,150,532 | 98.0\% |
| MI Mun Emplys Ret Sy | 2308 | 2,798,043 | 941,664 | 28,442 | 9,065 | 3,777,214 | 119.1\% | 3,253,220 | 4,232,391 | 106.3\% |
| MI Municipal Risk Mg | 8237 | 229,394 | 0 | 0 | 0 | 229,394 | 116.3\% | 283,569 | 283,569 | 94.1\% |
| Missaukee County | 5702 | 1,868,439 | 504,741 | 83,707 | 2,559 | 2,459,446 | 86.9\% | 2,190,587 | 2,781,594 | 76.8\% |
| M O A Solid Waste Mg | 6002 | 131,614 | 443,114 | 0 | 0 | 574,728 | 94.2\% | 107,549 | 550,663 | 98.3\% |
| Monroe Housing Commi | 5808 | 112,802 | 1,128,168 | 0 | 0 | 1,240,970 | 78.0\% | 101,187 | 1,229,355 | 78.8\% |
| Montague, City of | 6112 | 1,233,538 | 466,560 | 134,965 | 0 | 1,835,063 | 112.7\% | 1,530,609 | 2,132,134 | 97.0\% |
| Montcalm County Rd C | 5905 | 2,233,966 | 8,006,897 | 141,962 | 0 | 10,382,825 | 83.4\% | 2,602,292 | 10,751,151 | 80.6\% |
| Montmorency County | 6001 | 2,330,191 | 4,090,762 | 374,828 | 770 | 6,796,551 | 71.2\% | 2,948,726 | 7,415,086 | 65.2\% |
| Montrose, City of | 2509 | 215,457 | 304,560 | 234,472 | 0 | 754,489 | 55.6\% | 255,464 | 794,496 | 52.8\% |
| Mt. Morris, Township | 2503 | 6,533,016 | 9,008,438 | 364,585 | 711 | 15,906,750 | 82.5\% | 5,806,410 | 15,180,144 | 86.4\% |
| Mt. Pleasant, City o | 3701 | 6,759,759 | 7,725,742 | 793,483 | 55,689 | 15,334,673 | 104.1\% | 8,286,600 | 16,861,514 | 94.7\% |
| Muir, Village of | 3405 | 116,033 | 244,816 | 0 | 0 | 360,849 | 67.8\% | 136,806 | 381,622 | 64.1\% |
| Mundy,Charter Townsh | 2517 | 1,123,707 | 514,893 | 0 | 7,499 | 1,646,099 | 87.5\% | 1,077,922 | 1,600,314 | 90.0\% |
| Munising, City of | 202 | 1,788,087 | 3,081,965 | 145,819 | 0 | 5,015,871 | 97.1\% | 2,052,534 | 5,280,318 | 92.2\% |
| Muskegon, City of | 6116 | 11,970,648 | 40,751,293 | 1,942,091 | 7,989 | 54,672,021 | 116.4\% | 12,200,559 | 54,901,932 | 115.9\% |
| Muskegon County | 6103 | 65,166,834 | 64,653,025 | 9,940,933 | 236,367 | 139,997,159 | 107.5\% | 79,672,762 | 154,503,087 | 97.4\% |
| Muskegon County Rd C | 6101 | 3,498,414 | 14,081,067 | 432,838 | 0 | 18,012,319 | 93.8\% | 3,875,728 | 18,389,633 | 91.8\% |
| Muskegon Heights, Ci | 6102 | 3,880,009 | 22,087,585 | 726,136 | 120,681 | 26,814,411 | 100.6\% | 4,224,015 | 27,158,417 | 99.3\% |
| Muskegon Heights Hou | 6115 | 343,419 | 123,020 | 0 | 10,089 | 476,528 | 153.4\% | 448,750 | 581,859 | 125.6\% |
| Muskegon Housing Com | 6113 | 261,678 | 0 | 0 | 0 | 261,678 | 100.8\% | 329,008 | 329,008 | 80.2\% |
| Negaunee, City of | 5203 | 2,283,314 | 5,334,888 | 93,539 | 0 | 7,711,741 | 88.5\% | 2,516,301 | 7,944,728 | 85.9\% |
| Negaunee Township | 5217 | 155,612 | 0 | 0 | 0 | 155,612 | 65.9\% | 189,850 | 189,850 | 54.0\% |
| NE Ottawa Dist Libra | 7011 | 48,433 | 128,004 | 0 | 0 | 176,437 | 100.7\% | 51,682 | 179,686 | 98.9\% |
| Newaygo County | 6201 | 7,142,018 | 8,947,133 | 639,159 | 0 | 16,728,310 | 104.8\% | 8,419,011 | 18,005,303 | 97.4\% |
| Newaygo Cty Mental H | 6207 | 906,307 | 900,846 | 105,685 | 815 | 1,913,653 | 118.7\% | 1,164,107 | 2,171,453 | 104.6\% |
| Newaygo Medical Care | 6204 | 2,602,173 | 4,491,629 | 475,423 | 124,338 | 7,693,563 | 117.8\% | 3,229,931 | 8,321,321 | 109.0\% |
| Newaygo Soil/Wtr C | 6205 | 13,691 | 0 | 25,949 | 4,624 | 44,264 | 153.8\% | 15,792 | 46,365 | 146.8\% |
| Newberry, Village of | 4802 | 873,054 | 2,110,508 | 84,535 | 0 | 3,068,097 | 87.1\% | 956,073 | 3,151,116 | 84.8\% |
| N Houghton Cnty Wtr | 3106 | 116,040 | 0 | 0 | 0 | 116,040 | 149.9\% | 126,345 | 126,345 | 137.7\% |
| Niles District Libra | 1105 | 276,145 | 0 | 0 | 2,229 | 278,374 | 165.9\% | 349,259 | 351,488 | 131.4\% |
| N Muskegon, City of | 6104 | 1,338,404 | 2,981,159 | 91,763 | 1,678 | 4,413,004 | 91.4\% | 1,511,160 | 4,585,760 | 87.9\% |
| No. Mich. Comm. Mntl | 2403 | 0 | 39,267 | 0 | 0 | 39,267 | 150.0\% | 0 | 39,267 | 150.0\% |
| Northfield Township | 8117 | 348,854 | 0 | 0 | 0 | 348,854 | 115.1\% | 347,140 | 347,140 | 115.7\% |
| Northport, Village o | 4502 | 0 | 641 | 0 | 0 | 641 | 71.6\% | 0 | 641 | 71.6\% |
| Northville, City of | 8208 | 4,444,761 | 9,526,706 | 293,562 | 0 | 14,265,029 | 76.5\% | 4,246,429 | 14,066,697 | 77.6\% |
| Northville District | 8229 | 753,716 | 340,789 | 130,206 | 0 | 1,224,711 | 97.7\% | 899,503 | 1,370,498 | 87.3\% |
| Northville Township | 8230 | 5,601,083 | 2,742,444 | 0 | 0 | 8,343,527 | 96.0\% | 5,396,783 | 8,139,227 | 98.4\% |
| Northwestern Reg Arp | 2805 | 1,857,936 | 436,235 | 137,246 | 0 | 2,431,417 | 103.3\% | 2,483,143 | 3,056,624 | 82.2\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending Refunds | Total | Percent <br> Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Northwest MI Comm HA | 1502 | 1,812,428 | 1,485,252 | 428,769 | 0 | 3,726,449 | 105.9\% | 2,093,143 | 4,007,164 | 98.5\% |
| Norton Shores, City | 6106 | 8,195,083 | 15,974,589 | 236,207 | 15,488 | 24,421,367 | 75.2\% | 10,141,901 | 26,368,185 | 69.7\% |
| Norway, City of | 2204 | 2,109,630 | 9,585,964 | 0 | 4,214 | 11,699,808 | 70.0\% | 2,617,241 | 12,207,419 | 67.1\% |
| Novi, City of | 6320 | 17,715,013 | 21,542,333 | 2,424,603 | 87,497 | 41,769,446 | 92.9\% | 18,031,603 | 42,086,036 | 92.2\% |
| N Pointe Behavioral | 2207 | 2,750,414 | 1,223,900 | 972,778 | 44,512 | 4,991,604 | 144.2\% | 3,275,633 | 5,516,823 | 130.5\% |
| Nrthrn Lakes Comm MH | 2808 | 6,296,254 | 8,792,279 | 1,490,211 | 0 | 16,578,744 | 108.6\% | 7,198,087 | 17,480,577 | 103.0\% |
| Oceana County | 6402 | 9,183,977 | 7,302,768 | 808,388 | 101,786 | 17,396,919 | 108.3\% | 11,293,713 | 19,506,655 | 96.6\% |
| Oceola Township | 4717 | 307,044 | 0 | 0 | 0 | 307,044 | 85.3\% | 338,736 | 338,736 | 77.3\% |
| Ogemaw County | 6502 | 6,836,906 | 7,055,878 | 960,523 | 30,467 | 14,883,774 | 109.2\% | 7,986,734 | 16,033,602 | 101.3\% |
| Ogemaw County EMS Au | - 6508 | 592,314 | 89,217 | 0 | 21,241 | 702,772 | 136.1\% | 639,043 | 749,501 | 127.6\% |
| Ogemaw County Rd Com | 6503 | 1,946,694 | 3,390,537 | 147,618 | 14,254 | 5,499,103 | 84.5\% | 2,152,593 | 5,705,002 | 81.4\% |
| Olive Township | 7009 | 129,254 | 86,220 | 0 | 0 | 215,474 | 110.3\% | 156,929 | 243,149 | 97.8\% |
| Onaway, City of | 7105 | 214,569 | 55,376 | 23,372 | 0 | 293,317 | 143.4\% | 213,941 | 292,689 | 143.7\% |
| Ontonagon, Village o | 6603 | 942,709 | 1,104,409 | 68,407 | 0 | 2,115,525 | 90.3\% | 1,030,506 | 2,203,322 | 86.7\% |
| Ontonagon Cnty Econ | 6605 | 0 | 112,243 | 0 | 0 | 112,243 | 75.7\% | 0 | 112,243 | 75.7\% |
| Ontonagon County | 6602 | 2,745,550 | 2,186,540 | 346,892 | 0 | 5,278,982 | 99.1\% | 3,601,045 | 6,134,477 | 85.3\% |
| Ontonagon County Rd | 6604 | 5,849,615 | 6,123,606 | 84,714 | 0 | 12,057,935 | 67.0\% | 7,480,516 | 13,688,836 | 59.1\% |
| Ontonagon Memorial H | 6601 | 5,741,544 | 5,131,406 | 315,394 | 97,062 | 11,285,406 | 103.5\% | 6,720,065 | 12,263,927 | 95.2\% |
| Orchard Lake, City o | 6312 | 2,036,622 | 866,702 | 50,404 | 185 | 2,953,913 | 100.7\% | 2,598,405 | 3,515,696 | 84.6\% |
| Osceola County | 6701 | 3,977,467 | 3,088,410 | 691,441 | 2,468 | 7,759,786 | 113.7\% | 4,624,692 | 8,407,011 | 104.9\% |
| Osceola County Rd Co | 6703 | 2,173,388 | 3,319,751 | 137,017 | 2,368 | 5,632,524 | 95.3\% | 2,680,988 | 6,140,124 | 87.4\% |
| Oscoda Charter Towns | 3503 | 1,306,659 | 696,434 | 100,467 | 1,019 | 2,104,579 | 95.6\% | 1,444,272 | 2,242,192 | 89.8\% |
| Oscoda County | 6801 | 2,330,565 | 2,866,007 | 898,409 | 6,075 | 6,101,056 | 90.8\% | 3,141,048 | 6,911,539 | 80.2\% |
| Otisville, Village o | 2506 | 310,150 | 340,069 | 30,247 | 0 | 680,466 | 106.6\% | 377,415 | 747,731 | 97.0\% |
| Otsego County | 6902 | 6,228,682 | 5,605,532 | 1,346,325 | 7,925 | 13,188,464 | 89.7\% | 7,496,649 | 14,456,431 | 81.9\% |
| Otsego County Rd Com | 6901 | 3,132,061 | 3,150,162 | 91,933 | 0 | 6,374,156 | 98.6\% | 3,986,698 | 7,228,793 | 86.9\% |
| Ottawa County | 7003 | 52,848,839 | 44,156,701 | 8,141,963 | 265,107 | 105,412,610 | 110.4\% | 62,186,536 | 114,750,307 | 101.5\% |
| Ottawa County Cntrl | 7008 | 586,334 | 490,160 | 172,451 | 5,404 | 1,254,349 | 115.7\% | 724,921 | 1,392,936 | 104.2\% |
| Ottawa County Rd Com | 7002 | 10,590,998 | 20,794,599 | 218,385 | 810 | 31,604,792 | 98.5\% | 13,004,585 | 34,018,379 | 91.5\% |
| Otter Lake, Village | 4408 | 40,147 | 0 | 0 | 0 | 40,147 | 111.1\% | 45,687 | 45,687 | 97.6\% |
| Owosso, City of | 7607 | 1,059,169 | 2,305,852 | 0 | 0 | 3,365,021 | 108.8\% | 904,907 | 3,210,759 | 114.1\% |
| Oxford, Village of | 6326 | 491,156 | 1,268,668 | 4,146 | 0 | 1,763,970 | 94.4\% | 495,703 | 1,768,517 | 94.2\% |
| Oxford Public, Fire | 6327 | 103,384 | 3,097,114 | 194,985 | 0 | 3,395,483 | 77.5\% | 91,759 | 3,383,858 | 77.7\% |
| Parchment, City of | 3901 | 1,024,333 | 854,385 | 21,286 | 18,079 | 1,918,083 | 113.5\% | 1,270,173 | 2,163,923 | 100.6\% |
| Pathways(Spr.Bhvl.Mn | 5214 | 13,587,701 | 22,885,872 | 2,738,891 | 48,193 | 39,260,657 | 76.0\% | 16,070,237 | 41,743,193 | 71.5\% |
| Paw Paw, Village of | 8002 | 1,676,137 | 2,823,692 | 228,393 | 6,090 | 4,734,312 | 117.3\% | 2,020,972 | 5,079,147 | 109.3\% |
| Paw Paw Lk Reg Jnt S | 1103 | 573,493 | 168,197 | 0 | 0 | 741,690 | 121.5\% | 709,693 | 877,890 | 102.7\% |
| Pellston, Village of | 2404 | 105,096 | 0 | 0 | 0 | 105,096 | 140.3\% | 94,035 | 94,035 | 156.8\% |
| Pennfield Charter To | 1312 | 565,950 | 500,085 | 0 | 0 | 1,066,035 | 88.5\% | 667,036 | 1,167,121 | 80.8\% |
| Pentwater, Village o | 6401 | 392,483 | 546,812 | 119,710 | 10,442 | 1,069,447 | 99.3\% | 498,039 | 1,175,003 | 90.4\% |
| Perrinton, Village o | 2909 | 11,840 | 0 | 0 | 3,018 | 14,858 | 193.1\% | 9,978 | 12,996 | 220.8\% |
| Petersburg, City of | 5807 | 79,572 | 0 | 0 | 0 | 79,572 | 145.1\% | 84,896 | 84,896 | 136.0\% |
| Petoskey, City of | 2402 | 5,735,273 | 7,414,879 | 726,720 | 0 | 13,876,872 | 101.1\% | 6,827,945 | 14,969,544 | 93.7\% |
| Pewamo, Village of | 3407 | 49,352 | 0 | 0 | 0 | 49,352 | 146.4\% | 51,978 | 51,978 | 139.0\% |
| Pigeon, Village of | 3203 | 314,136 | 394,152 | 105,450 | 2,260 | 815,998 | 87.2\% | 368,408 | 870,270 | 81.8\% |
| Pinckney, Village of | 4706 | 743,964 | 411,853 | 16,402 | 9,902 | 1,182,121 | 111.1\% | 872,753 | 1,310,910 | 100.2\% |
| Pinconning, City of | 904 | 464,686 | 989,938 | 74,775 | 9,952 | 1,539,351 | 98.7\% | 584,420 | 1,659,085 | 91.5\% |
| Pittsfield Charter T | 8110 | 5,195,742 | 2,370,170 | 936,965 | 127,393 | 8,630,270 | 104.5\% | 5,679,477 | 9,114,005 | 98.9\% |
| Pleasant Ridge, City | 6301 | 611,854 | 2,417,612 | 289,482 | 0 | 3,318,948 | 80.5\% | 697,545 | 3,404,639 | 78.5\% |
| Plymouth, City of | 8202 | 1,994,529 | 13,616,030 | 522,928 | 0 | 16,133,487 | 61.2\% | 2,367,030 | 16,505,988 | 59.8\% |
| Plymouth District Li | 8221 | 1,541,770 | 304,712 | 0 | 0 | 1,846,482 | 137.7\% | 2,010,521 | 2,315,233 | 109.8\% |
| Plymouth Township | 8238 | 9,057,201 | 2,745,675 | 0 | 0 | 11,802,876 | 95.6\% | 8,826,437 | 11,572,112 | 97.5\% |
| Port Austin, Village | 3208 | 175,358 | 97,746 | 7,408 | 3,198 | 283,710 | 104.4\% | 218,919 | 327,271 | 90.5\% |
| Port Austin Area Swr | 3210 | 0 | 0 | 71,204 | 6,820 | 78,024 | 164.6\% | 0 | 78,024 | 164.6\% |
| Port Huron, City of | 7702 | 31,747,043 | 69,909,888 | 2,187,258 | 56,639 | 103,900,828 | 99.2\% | 35,106,107 | 107,259,892 | 96.1\% |
| Port Huron Charter T | 7711 | 1,226,811 | 273,315 | 0 | 0 | 1,500,126 | 92.8\% | 1,408,314 | 1,681,629 | 82.8\% |
| Portland, City of | 3401 | 3,146,340 | 4,007,642 | 160,198 | 603 | 7,314,783 | 90.8\% | 3,745,141 | 7,913,584 | 83.9\% |
| Port Sanilac, Villag | 7403 | 285,024 | 128,123 | 41,897 | 4,150 | 459,194 | 74.8\% | 283,967 | 458,137 | 75.0\% |
| Presque Isle Cnty Rd | 7101 | 2,389,280 | 4,680,680 | 0 | 0 | 7,069,960 | 86.2\% | 3,197,684 | 7,878,364 | 77.4\% |
| Presque Isle County | 7104 | 3,125,970 | 2,501,146 | 248,270 | 8,504 | 5,883,890 | 110.9\% | 3,912,042 | 6,669,962 | 97.9\% |
| PRIDE Youth Programs | 6210 | 223,219 | 0 | 0 | 0 | 223,219 | 153.2\% | 223,832 | 223,832 | 152.8\% |
| Ravenna, Village of | 6111 | 175,741 | 0 | 16,335 | 0 | 192,076 | 140.4\% | 199,731 | 216,066 | 124.8\% |
| Reading, City of | 3003 | 77,459 | 59,838 | 8,412 | 0 | 145,709 | 140.6\% | 85,417 | 153,667 | 133.3\% |
| Redford Township | 8209 | 10,662,628 | 20,577,675 | 1,132,184 | 5,994 | 32,378,481 | 98.7\% | 11,543,534 | 33,259,387 | 96.1\% |
| Redford Twp Dist Lib | 8228 | 393,088 | 850,881 | 3,909 | 0 | 1,247,878 | 113.1\% | 415,821 | 1,270,611 | 111.1\% |
| Reed City, City of | 6702 | 1,392,432 | 1,686,942 | 304,487 | 769 | 3,384,630 | 86.5\% | 1,779,984 | 3,772,182 | 77.6\% |
| Richfield Township(G | 2514 | 1,277,178 | 389,670 | 6,952 | 0 | 1,673,800 | 74.6\% | 1,456,701 | 1,853,323 | 67.4\% |
| Richfield Twp(Roscom | 7202 | 185,068 | 1,409,083 | 69,263 | 9,743 | 1,673,157 | 72.3\% | 189,773 | 1,677,862 | 72.1\% |
| Richland Township | 7310 | 1,195,397 | 700,912 | 7,103 | 0 | 1,903,412 | 81.6\% | 1,348,230 | 2,056,245 | 75.5\% |
| Rochester, City of | 6307 | 6,497,196 | 5,335,229 | 225,335 | 0 | 12,057,760 | 109.2\% | 7,783,298 | 13,343,862 | 98.7\% |
| Rockford, City of | 4103 | 1,372,878 | 1,034,835 | 558,028 | 0 | 2,965,741 | 106.8\% | 1,466,917 | 3,059,780 | 103.5\% |
| Rockwood, City of | 5810 | 684,045 | 308,622 | 0 | 0 | 992,667 | 153.8\% | 861,653 | 1,170,275 | 130.4\% |
| Rogers City, City of | 7102 | 2,344,503 | 4,479,685 | 110,307 | 3,431 | 6,937,926 | 86.0\% | 3,283,654 | 7,877,077 | 75.7\% |
| Romeo, Village of | 5005 | 2,015,389 | 1,148,572 | 359,134 | 0 | 3,523,095 | 101.9\% | 2,636,426 | 4,144,132 | 86.6\% |
| Romeo District Libra | 5006 | 446,847 | 1,044,929 | 241,517 | 6,191 | 1,739,484 | 77.3\% | 513,559 | 1,806,196 | 74.4\% |
| Romulus, City of | 8225 | 10,525,333 | 16,860,255 | 6,067 | 31,378 | 27,423,033 | 56.8\% | 5,776,007 | 22,673,707 | 68.7\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending <br> Refunds | Total | Percent Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Roosevelt Park, City | 6107 | 853,186 | 1,724,856 | 349,111 | 0 | 2,927,153 | 98.4\% | 1,081,532 | 3,155,499 | 91.2\% |
| Roscommon County | 7201 | 5,648,564 | 5,210,128 | 648,464 | 14,293 | 11,521,449 | 108.2\% | 6,603,459 | 12,476,344 | 99.9\% |
| Roscommon County Tra | 7205 | 785,636 | 176,480 | 114,511 | 0 | 1,076,627 | 105.7\% | 933,362 | 1,224,353 | 92.9\% |
| Rose City, City of | 6504 | 153,380 | 151,311 | 37,996 | 3,688 | 346,375 | 149.9\% | 191,436 | 384,431 | 135.0\% |
| Rose Township | 6506 | 30,552 | 30,386 | 0 | 0 | 60,938 | 388.1\% | 37,805 | 68,191 | 346.8\% |
| Royal Oak Township | 6306 | 447,817 | 2,035,285 | 68,075 | 48,278 | 2,599,455 | 199.4\% | 530,949 | 2,682,587 | 193.2\% |
| Saginaw, City of | 7301 | 16,706,400 | 107,567,605 | 2,135,051 | 133,683 | 126,542,739 | 59.3\% | 17,069,225 | 126,905,564 | 59.2\% |
| Saginaw Cnty Comm MH | 7318 | 3,366,337 | 8,259,602 | 1,457,176 | 618 | 13,083,733 | 83.8\% | 4,024,338 | 13,741,734 | 79.7\% |
| Saginaw Co 911 Comm | 7316 | 2,405,834 | 3,542,591 | 321,872 | 0 | 6,270,297 | 102.4\% | 2,851,256 | 6,715,719 | 95.6\% |
| Saginaw County | 7303 | 44,122,563 | 62,643,924 | 3,111,864 | 11,125 | 109,889,476 | 83.7\% | 53,586,533 | 119,353,446 | 77.0\% |
| Saginaw County Rd Co | 7304 | 4,875,346 | 15,169,207 | 638,042 | 3,612 | 20,686,207 | 115.0\% | 5,243,998 | 21,054,859 | 113.0\% |
| Saginaw Housing Comm | 7321 | 1,985,661 | 144,078 | 202,770 | 19,907 | 2,352,416 | 74.6\% | 2,346,271 | 2,713,026 | 64.7\% |
| Saginaw Midland Mun | 7305 | 727,955 | 1,964,283 | 0 | 11,134 | 2,703,372 | 90.9\% | 834,533 | 2,809,950 | 87.4\% |
| Saginaw Public Libra | 7317 | 255,437 | 0 | 19,768 | 14,078 | 289,283 | 252.8\% | 299,156 | 333,002 | 219.6\% |
| Saginaw Transit Syst | 7319 | 280,074 | 0 | 274,267 | 0 | 554,341 | 174.1\% | 322,337 | 596,604 | 161.8\% |
| Saginaw Twp Police D | 7314 | 3,452,863 | 6,609,479 | 103,131 | 0 | 10,165,473 | 91.2\% | 3,583,875 | 10,296,485 | 90.0\% |
| Saline, City of | 8105 | 5,154,436 | 7,871,908 | 342,726 | 0 | 13,369,070 | 84.5\% | 6,067,335 | 14,281,969 | 79.1\% |
| Sandusky, City of | 7402 | 1,494,260 | 866,272 | 68,760 | 19,111 | 2,448,403 | 55.7\% | 1,927,122 | 2,881,265 | 47.3\% |
| Sandusky District Li | 7404 | 57,233 | 0 | 31,512 | 0 | 88,745 | 127.5\% | 66,194 | 97,706 | 115.8\% |
| Saranac Housing Comm | 3413 | 243,645 | 144,539 | 0 | 0 | 388,184 | 88.3\% | 282,308 | 426,847 | 80.3\% |
| Saugatuck, City of | 307 | 500,969 | 144,911 | 347,372 | 0 | 993,252 | 107.3\% | 621,056 | 1,113,339 | 95.7\% |
| Saugatuck Township | 305 | 140,957 | 768,500 | 23,187 | 0 | 932,644 | 68.9\% | 164,698 | 956,385 | 67.1\% |
| Sault Ste. Marie, Ci | 1701 | 8,281,875 | 8,600,590 | 184,023 | 15,760 | 17,082,248 | 113.7\% | 9,656,410 | 18,456,783 | 105.3\% |
| Sault Ste. Marie Hou | 4906 | 746,426 | 0 | 0 | 0 | 746,426 | 129.8\% | 887,952 | 887,952 | 109.2\% |
| Schoolcraft County | 7503 | 7,457,110 | 8,251,897 | 595,327 | 41,762 | 16,346,096 | 97.8\% | 9,275,180 | 18,164,166 | 88.0\% |
| Schoolcraft County R | 7501 | 2,501,286 | 6,623,289 | 46,237 | 0 | 9,170,812 | 72.6\% | 3,101,263 | 9,770,789 | 68.2\% |
| Schoolcraft Memorial | 7505 | 4,562,505 | 7,209,929 | 829,511 | 23,872 | 12,625,817 | 104.0\% | 5,577,904 | 13,641,216 | 96.3\% |
| Scio Townshio | 8116 | 68,745 | 0 | 0 | 0 | 68,745 | 130.5\% | 74,694 | 74,694 | 120.1\% |
| S Clinton Co Mun Uti | 1905 | 998,102 | 144,450 | 119,204 | 23,399 | 1,285,155 | 158.6\% | 1,158,136 | 1,445,189 | 141.0\% |
| Sebewaing, Village o | 3205 | 1,754,608 | 2,937,119 | 88,652 | 2,224 | 4,782,603 | 90.5\% | 2,081,877 | 5,109,872 | 84.7\% |
| SE Oakland Co Resrc | 6310 | 608,174 | 3,455,399 | 184,790 | 0 | 4,248,363 | 103.5\% | 721,048 | 4,361,237 | 100.8\% |
| SE Oakland Co Water | 6309 | 2,436,886 | 3,197,389 | 20,267 | 0 | 5,654,542 | 86.4\% | 2,912,732 | 6,130,388 | 79.7\% |
| Shepherd, Village of | 3704 | 34,459 | 103,301 | 35,338 | 663 | 173,761 | 224.7\% | 35,285 | 174,587 | 223.6\% |
| Shiawassee Council o | 7605 | 340,341 | 91,129 | 0 | 0 | 431,470 | 103.2\% | 402,316 | 493,445 | 90.2\% |
| Shiawassee County | 7602 | 23,861,870 | 36,059,646 | 4,560,232 | 12,603 | 64,494,351 | 81.2\% | 28,977,587 | 69,610,068 | 75.2\% |
| Shiawassee County CM | 7609 | 2,569,284 | 2,509,089 | 950,369 | 0 | 6,028,742 | 124.6\% | 3,052,943 | 6,512,401 | 115.3\% |
| Shiawassee County Rd | 7601 | 2,721,589 | 10,262,687 | 127,195 | 778 | 13,112,249 | 85.0\% | 2,878,093 | 13,268,753 | 84.0\% |
| Shiawassee District | 7606 | 769,455 | 214,561 | 24,425 | 0 | 1,008,441 | 138.9\% | 955,044 | 1,194,030 | 117.3\% |
| Sims Whitney Utiliti | 606 | 87,789 | 0 | 18,296 | 0 | 106,085 | 108.8\% | 106,603 | 124,899 | 92.4\% |
| SMART | 8216 | 61,871,291 | 54,074,390 | 7,782,806 | 114,105 | 123,842,592 | 107.0\% | 75,008,972 | 136,980,273 | 96.8\% |
| Southeast MI Council | 8210 | 7,307,765 | 7,521,535 | 1,625,782 | 0 | 16,455,082 | 150.6\% | 9,117,520 | 18,264,837 | 135.6\% |
| South Haven, City of | 8001 | 4,986,849 | 9,910,867 | 114,518 | 4,605 | 15,016,839 | 136.3\% | 5,485,918 | 15,515,908 | 131.9\% |
| South Haven Emer Ser | 8005 | 1,843,535 | 278,511 | 0 | 0 | 2,122,046 | 113.5\% | 2,215,744 | 2,494,255 | 96.6\% |
| South Lyon, City of | 6315 | 3,210,830 | 1,866,360 | 65,741 | 14,015 | 5,156,946 | 109.5\% | 3,940,019 | 5,886,135 | 95.9\% |
| Sparta, Village of | 4107 | 1,318,666 | 1,163,071 | 28,107 | 4,840 | 2,514,684 | 67.1\% | 1,456,353 | 2,652,371 | 63.6\% |
| Springfield, City of | 1303 | 2,067,907 | 4,494,764 | 115,090 | 18,775 | 6,696,536 | 110.4\% | 1,950,265 | 6,578,894 | 112.3\% |
| Spring Lake District | 7016 | 542,420 | 0 | 0 | 0 | 542,420 | 137.5\% | 708,727 | 708,727 | 105.2\% |
| St. Charles, Village | 7308 | 1,119,118 | 760,374 | 108,565 | 0 | 1,988,057 | 89.1\% | 1,491,968 | 2,360,907 | 75.1\% |
| St. Clair, City of | 7703 | 5,890,393 | 4,447,278 | 247,190 | 0 | 10,584,861 | 94.4\% | 7,189,708 | 11,884,176 | 84.1\% |
| St. Clair Area Fire | 7710 | 2,909 | 0 | 0 | 0 | 2,909 | 0.0\% | 2,683 | 2,683 | 0.0\% |
| St. Ignace, City of | 4904 | 2,915,894 | 2,083,766 | 165,083 | 0 | 5,164,743 | 97.2\% | 3,598,799 | 5,847,648 | 85.8\% |
| St. Johns, City of | 1902 | 3,982,624 | 7,028,350 | 295,209 | 89 | 11,306,272 | 80.1\% | 4,839,288 | 12,162,936 | 74.4\% |
| St. Louis, City of | 2902 | 1,471,282 | 4,127,786 | 188,754 | 467 | 5,788,289 | 93.2\% | 1,899,177 | 6,216,184 | 86.8\% |
| Stambaugh Township | 3615 | 13,837 | 51,416 | 0 | 0 | 65,253 | 91.9\% | 14,504 | 65,920 | 91.0\% |
| Standish, City of | 601 | 890,170 | 899,507 | 164,428 | 0 | 1,954,105 | 71.8\% | 1,162,614 | 2,226,549 | 63.0\% |
| Stanton, City of | 5903 | 0 | 9,247 | 55,189 | 0 | 64,436 | 150.6\% | 0 | 64,436 | 150.6\% |
| St Clair Shores Hous | 5007 | 398,267 | 840,470 | 51,813 | 0 | 1,290,550 | 80.7\% | 472,683 | 1,364,966 | 76.3\% |
| Stephenson, City of | 5504 | 75,865 | 77,222 | 0 | 0 | 153,087 | 62.2\% | 81,190 | 158,412 | 60.1\% |
| Sterling, Village of | 605 | 25,569 | 48,856 | 0 | 0 | 74,425 | 287.7\% | 25,569 | 74,425 | 287.7\% |
| St Joseph County | 7803 | 3,988,339 | 3,751,870 | 211,421 | 4,547 | 7,956,177 | 113.5\% | 3,625,976 | 7,593,814 | 118.9\% |
| St Louis Housing Com | 2908 | 237,673 | 0 | 0 | 0 | 237,673 | 111.2\% | 251,186 | 251,186 | 105.2\% |
| Stockbridge, Village | 3316 | 56,217 | 345,678 | 6,829 | 11,403 | 420,127 | 51.0\% | 46,032 | 409,942 | 52.3\% |
| Summit Township | 3803 | 2,367,124 | 3,979,404 | 42,793 | 0 | 6,389,321 | 92.9\% | 2,872,213 | 6,894,410 | 86.1\% |
| Sumpter Township | 8226 | 821,328 | 870,377 | 0 | 11,393 | 1,703,098 | 80.4\% | 848,363 | 1,730,133 | 79.1\% |
| Superior Charter Tow | 8109 | 1,540,593 | 1,054,335 | 0 | 470 | 2,595,398 | 94.2\% | 1,677,810 | 2,732,615 | 89.4\% |
| Superiorland Lbry Co | 5208 | 457,897 | 0 | 9,386 | 0 | 467,283 | 143.5\% | 552,467 | 561,853 | 119.3\% |
| Swan Creek Township | 7309 | 345,770 | 34,226 | 0 | 0 | 379,996 | 79.4\% | 430,862 | 465,088 | 64.8\% |
| Swartz Creek, City o | 2504 | 1,843,146 | 5,420,492 | 65,770 | 2,112 | 7,331,520 | 97.5\% | 2,413,584 | 7,901,958 | 90.4\% |
| Sylvan Lake, City of | 6314 | 457,496 | 934,881 | 11,045 | 13,731 | 1,417,153 | 110.0\% | 547,885 | 1,507,542 | 103.4\% |
| Tawas Police Authori | 3504 | 413,345 | 212,533 | 25,144 | 0 | 651,022 | 61.9\% | 466,525 | 704,202 | 57.2\% |
| Taylor Housing Comm | 8231 | 96,749 | 0 | 0 | 0 | 96,749 | 146.1\% | 120,517 | 120,517 | 117.3\% |
| Thirty-Fifth Distric | 8234 | 1,613,564 | 1,048,106 | 0 | 12,006 | 2,673,676 | 95.6\% | 1,921,468 | 2,981,580 | 85.7\% |
| Thirty-Fourth Distri | 8235 | 2,061,345 | 387,403 | 48,066 | 256 | 2,497,070 | 92.1\% | 2,486,152 | 2,921,877 | 78.7\% |
| Three Rivers, City o | 7801 | 4,523,243 | 4,396,872 | 213,458 | 21,239 | 9,154,812 | 107.1\% | 5,742,820 | 10,374,389 | 94.5\% |
| Three Rivers Hospita | 7802 | 0 | 12,681 | 0 | 0 | 12,681 | 109.8\% | 0 | 12,681 | 109.8\% |
| Traverse Area Dist L | 2807 | 2,140,829 | 626,947 | 29,929 | 0 | 2,797,705 | 87.6\% | 2,658,668 | 3,315,544 | 73.9\% |


| Municipality Name | Number | Active | Retired | Deferred Vested | Pending Refunds | Total | Percent Funded | Active | Total | Percent <br> Funded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Traverse City, City | 2801 | 17,146,718 | 21,626,718 | 1,376,096 | 0 | 40,149,532 | 93.8\% | 20,161,152 | 43,163,966 | 87.2\% |
| Trenton, City of | 8203 | 8,830,678 | 27,998,647 | 48,411 | 0 | 36,877,736 | 81.4\% | 10,192,688 | 38,239,746 | 78.5\% |
| Tri-County Aging Con | 3307 | 1,833,781 | 1,715,455 | 305,093 | 332 | 3,854,661 | 146.0\% | 2,148,391 | 4,169,271 | 135.0\% |
| Trio Council on Agin | 6507 | 0 | 198,670 | 43,332 | 0 | 242,002 | 122.7\% | 0 | 242,002 | 122.7\% |
| Tuscarora Twp Pol Dp | 1604 | 365,457 | 220,963 | 0 | 3,774 | 590,194 | 91.0\% | 422,124 | 646,861 | 83.0\% |
| Tuscola Co Comm Mntl | 7907 | 2,639,533 | 2,643,714 | 1,393,885 | 104,392 | 6,781,524 | 132.2\% | 3,085,996 | 7,227,987 | 124.0\% |
| Tuscola Co Hlth Dpt | 7901 | 2,547,070 | 1,818,011 | 159,507 | 23,607 | 4,548,195 | 120.7\% | 3,267,581 | 5,268,706 | 104.2\% |
| Tuscola Co Med Care | 7906 | 2,650,885 | 2,991,348 | 993,276 | 110,632 | 6,746,141 | 144.2\% | 3,085,068 | 7,180,324 | 135.5\% |
| Tuscola County | 7902 | 9,442,724 | 7,362,261 | 408,260 | 35,284 | 17,248,529 | 116.7\% | 11,509,901 | 19,315,706 | 104.2\% |
| Tuscola County Road | 7908 | 916,740 | 1,941,001 | 16,445 | 5,203 | 2,879,389 | 81.1\% | 1,095,791 | 3,058,440 | 76.4\% |
| Twenty Sixth Jud Cir | 403 | 1,012,104 | 356,192 | 400,576 | 0 | 1,768,872 | 143.6\% | 1,191,901 | 1,948,669 | 130.4\% |
| Twenty Third Judicia | 8223 | 978,796 | 501,194 | 36,335 | 0 | 1,516,325 | 136.3\% | 1,111,945 | 1,649,474 | 125.3\% |
| Twin Cities Pub Sfty | 3610 | 0 | 17,159 | 63,502 | 0 | 80,661 | 122.0\% | 0 | 80,661 | 122.0\% |
| Ubly, Village of | 3212 | 118,078 | 374,454 | 0 | 0 | 492,532 | 72.5\% | 133,601 | 508,055 | 70.2\% |
| Utica, City of | 5008 | 1,319,417 | 1,131,746 | 0 | 19,604 | 2,470,767 | 91.0\% | 1,582,503 | 2,733,853 | 82.2\% |
| Van Buren County | 8006 | 9,789,333 | 3,074,995 | 255,749 | 122,110 | 13,242,187 | 80.5\% | 11,862,390 | 15,315,244 | 69.6\% |
| Van Buren District L | 8007 | 700,526 | 0 | 22,802 | 15,525 | 738,853 | 89.2\% | 847,774 | 886,101 | 74.3\% |
| Van Buren Township | 8236 | 3,828,659 | 0 | 0 | 437 | 3,829,096 | 96.4\% | 4,452,966 | 4,453,403 | 82.9\% |
| Vassar, City of | 7903 | 1,456,371 | 2,533,500 | 107,039 | 0 | 4,096,910 | 101.6\% | 1,649,143 | 4,289,682 | 97.1\% |
| Vevay Township | 3318 | 284,925 | 0 | 0 | 0 | 284,925 | 69.2\% | 350,496 | 350,496 | 56.2\% |
| Vicksburg, Village o | 3902 | 487,837 | 932,964 | 99,002 | 0 | 1,519,803 | 88.4\% | 496,056 | 1,528,022 | 88.0\% |
| Vicksburg District L | 3904 | 28,998 | 29,774 | 0 | 0 | 58,772 | 81.8\% | 41,919 | 71,693 | 67.0\% |
| Vienna Township | 2522 | 448,679 | 0 | 0 | 4,948 | 453,627 | 108.7\% | 529,937 | 534,885 | 92.2\% |
| Village of Bancroft | 7610 | 560 | 81,756 | 0 | 0 | 82,316 | 48.6\% | 565 | 82,321 | 48.6\% |
| Village of Bingham F | 6332 | 78,372 | 0 | 0 | 0 | 78,372 | 82.7\% | 98,430 | 98,430 | 65.8\% |
| Village of Farwell | 1805 | 183,367 | 0 | 0 | 0 | 183,367 | 77.6\% | 212,484 | 212,484 | 66.9\% |
| Village of Mackinaw | 1606 | 276,571 | 0 | 0 | 0 | 276,571 | 134.7\% | 338,274 | 338,274 | 110.2\% |
| Village of Spring La | 7015 | 1,241,123 | 424,046 | 0 | 2,703 | 1,667,872 | 89.0\% | 1,360,235 | 1,786,984 | 83.1\% |
| Wakefield, City of | 2701 | 1,107,857 | 2,054,751 | 0 | 819 | 3,163,427 | 97.9\% | 1,312,874 | 3,368,444 | 92.0\% |
| Walker, City of | 4112 | 4,039,943 | 8,157,799 | 0 | 0 | 12,197,742 | 72.0\% | 4,582,706 | 12,740,505 | 68.9\% |
| Walled Lake, City of | 6324 | 2,893,439 | 4,914,066 | 274,190 | 47,613 | 8,129,308 | 41.4\% | 3,359,911 | 8,595,780 | 39.1\% |
| Washtenaw County Rd | 8102 | 12,683,729 | 16,150,253 | 659,988 | 64,600 | 29,558,570 | 95.7\% | 14,609,780 | 31,484,621 | 89.9\% |
| Washtenaw County She | 8113 | 14,216,286 | 1,753,714 | 1,030,171 | 235,259 | 17,235,430 | 139.6\% | 10,906,983 | 13,926,127 | 172.8\% |
| Wayland, City of | 304 | 1,587,288 | 504,967 | 789,248 | 9,298 | 2,890,801 | 102.8\% | 2,034,419 | 3,337,932 | 89.0\% |
| Webberville, Village | 3314 | 44,334 | 128,064 | 38,976 | 881 | 212,255 | 44.6\% | 48,660 | 216,581 | 43.7\% |
| West Branch, City of | 6505 | 1,473,853 | 890,069 | 158,075 | 0 | 2,521,997 | 106.0\% | 1,875,110 | 2,923,254 | 91.5\% |
| West Iron Co Sewer A | 3612 | 227,027 | 495,213 | 0 | 0 | 722,240 | 78.4\% | 274,920 | 770,133 | 73.5\% |
| Westland, City of | 8211 | 21,931,125 | 54,074,725 | 1,989,967 | 0 | 77,995,817 | 67.2\% | 21,339,886 | 77,404,578 | 67.7\% |
| Westphalia, Village | 1907 | 232,256 | 24,335 | 0 | 0 | 256,591 | 108.6\% | 268,548 | 292,883 | 95.2\% |
| Wexford County | 8302 | 7,215,732 | 6,888,740 | 854,195 | 15,510 | 14,974,177 | 91.9\% | 8,985,604 | 16,744,049 | 82.2\% |
| Wexford County Rd Co | 8303 | 1,981,956 | 5,986,249 | 87,890 | 5,025 | 8,061,120 | 81.5\% | 2,098,455 | 8,177,619 | 80.4\% |
| White Cloud, City of | 6206 | 236,721 | 114,808 | 109,153 | 0 | 460,682 | 87.0\% | 289,687 | 513,648 | 78.0\% |
| White Cloud/Sherman | 6211 | 58,443 | 0 | 0 | 0 | 58,443 | 110.9\% | 60,705 | 60,705 | 106.7\% |
| White Cloud Comm Lib | 6208 | 227,506 | 0 | 16,813 | 0 | 244,319 | 93.1\% | 267,461 | 284,274 | 80.0\% |
| Whitehall, City of | 6105 | 1,575,793 | 1,466,175 | 128,041 | 0 | 3,170,009 | 107.1\% | 1,998,534 | 3,592,750 | 94.5\% |
| White Lake Charter T | 6325 | 5,860,994 | 4,181,679 | 297,549 | 44,004 | 10,384,226 | 111.2\% | 6,560,603 | 11,083,835 | 104.2\% |
| White Pigeon Village | 7804 | 14,643 | 0 | 0 | 0 | 14,643 | 151.2\% | 17,224 | 17,224 | 128.5\% |
| White Pine Library | 5904 | 54,433 | 103,866 | 0 | 0 | 158,299 | 71.6\% | 64,903 | 168,769 | 67.2\% |
| Willard Public Libra | 1308 | 448,228 | 0 | 24,393 | 9,872 | 482,493 | 165.4\% | 538,789 | 573,054 | 139.3\% |
| Williamston, City of | 3310 | 671,947 | 2,276,554 | 72,209 | 6,926 | 3,027,636 | 77.7\% | 714,782 | 3,070,471 | 76.6\% |
| Wixom, City of | 6316 | 6,764,714 | 6,177,469 | 465,270 | 33,059 | 13,440,512 | 86.7\% | 7,481,622 | 14,157,420 | 82.3\% |
| W MI Comm Mntl Hlth | 5304 | 1,011,584 | 2,507,028 | 133,075 | 31,158 | 3,682,845 | 126.3\% | 1,297,835 | 3,969,096 | 117.2\% |
| W MI Shoreline Reg D | 6110 | 1,252,000 | 566,949 | 125,084 | 0 | 1,944,033 | 175.7\% | 1,649,380 | 2,341,413 | 145.9\% |
| Wolverine Lake, Vill | 6329 | 488,367 | 1,148,668 | 39,919 | 0 | 1,676,954 | 59.4\% | 583,713 | 1,772,300 | 56.2\% |
| W UP Dist Hlth Dept | 3101 | 2,980,738 | 2,835,315 | 955,533 | 0 | 6,771,586 | 107.6\% | 3,469,494 | 7,260,342 | 100.4\% |
| WUPPDR | 3108 | 557,613 | 0 | 0 | 0 | 557,613 | 121.1\% | 557,611 | 557,611 | 121.1\% |
| Ypsilanti, City of | 8101 | 2,116,222 | 7,518,042 | 201,485 | 113,971 | 9,949,720 | 169.0\% | 2,506,049 | 10,339,547 | 162.6\% |
| Ypsilanti, Township | 8104 | 5,178,802 | 4,948,906 | 404,816 | 50,179 | 10,582,703 | 108.6\% | 6,162,152 | 11,566,053 | 99.4\% |
| Ypsilanti Comm Util | 8106 | 11,134,825 | 14,652,436 | 1,034,618 | 8,719 | 26,830,598 | 92.6\% | 12,200,546 | 27,896,319 | 89.1\% |
| Ypsilanti Housing Co | 8115 | 196,021 | 216,864 | 22,577 | 8,293 | 443,755 | 98.2\% | 264,156 | 511,890 | 85.1\% |
| Totals - Active Groups | 650 | 2,313,845,847 | 3,303,149,003 | 256,420,071 | 9,618,666 | 5,883,033,587 | 93.0\% | 2,657,746,761 | 6,226,934,501 | 87.9\% |
| Totals - Closed Groups | 18 | 0 | 11,368,718 | 5,938,489 | 8,296 | 17,315,503 | 118.3\% | 0 | 17,315,503 | 118.3\% |
| Totals - MERS | 668 2 | 2,313,845,847 | 3,314,517,721 | 262,358,560 | 9,626,962 | 5,900,349,090 | 93.1\% | 2,657,746,761 | 6,244,250,004 | 88.0\% |


[^0]:    * At age 60, these benefit types are converted to Type 1, normal retirement for age and service.

