



**MUNICIPAL EMPLOYEES' RETIREMENT SYSTEM OF MICHIGAN**

**SUMMARY REPORT OF THE 77<sup>th</sup> ANNUAL ACTUARIAL VALUATIONS  
AS OF DECEMBER 31, 2022**

**FOR THE 746 DEFINED BENEFIT PLAN AND HYBRID PLAN MUNICIPALITIES**





September 12, 2023

The Retirement Board  
Municipal Employees' Retirement System of Michigan  
Lansing, Michigan

Ladies and Gentlemen:

This report presents a summary of the results of the 77<sup>th</sup> Annual Actuarial Valuations, prepared as of December 31, 2022, for the Municipal Employees' Retirement System (MERS) 746 Defined Benefit Plan and Hybrid Plan municipalities. The report was prepared at the request of the Retirement Board and is intended for use by the Retirement System and those designated or approved by the Retirement Board.

MERS is an independent, professional retirement services organization that has partnered with Michigan municipalities for over 70 years. Each municipality in MERS is responsible for the employer contributions needed to provide benefits for its employees and former employees under the Michigan Constitution, the MERS Plan Document, and MERS' enabling legislation (Public Act 427 of 1984, as amended). The pension plan is a tax-qualified plan under section 401(a) of the Internal Revenue Code (most recent letter of Favorable Determination issued October 18, 2016).

The purposes of each municipality's December 31, 2022 annual actuarial valuation are to measure funding progress, to determine the employer contribution rates for the fiscal year beginning in 2024, provide information regarding the identification and assessment of risk, to determine the actuarial information for applicable Governmental Accounting Standards Board (GASB) Statements, and provide information to assist the local unit of government with State reporting requirements. The valuation assumed the continuing ability of the plan sponsors to make the contributions necessary to fund their respective plans. A determination regarding whether or not the plan sponsors are actually able to do so is outside the scope of this assignment and our area of expertise and was not performed.

The purpose of this summary report is to provide an overview of the results of the valuations of the individual municipalities. Note that the combined results for all municipalities are not indicative of the financial status of each municipality, since each entity stands on its own financially, with separately computed liabilities and contribution requirements. MERS is not funded on a combined basis. The information in this report should not be used to compare the results between various employers or to compare the results of an employer to the combined results. There are many factors that would make this type of a comparison of minimal value. This report also contains certain information that is required to be included in the MERS Comprehensive Annual Financial Report.

This report should not be relied on for any purpose other than the purpose described in this cover letter. This report may be provided by the Retirement System to other interested parties only in its entirety and only with the permission of the Retirement System. Gabriel, Roeder, Smith & Company is not responsible for the consequences of unauthorized use of this report.

Information regarding the identification and assessment of risk is also included in this report. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law.

Rebecca L. Stouffer, Mark Buis, Kurt Dosson, and Shana M. Neeson are Members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. The valuations were based upon information furnished by MERS. In accordance with Actuarial Standards of Practice No. 23, the data was checked for internal and year-to-year consistency as well as general reasonableness but was not audited. Gabriel, Roeder, Smith & Company does not assume responsibility for the accuracy or completeness of the provided data.

Our actuarial valuation was based on the following:

- The benefit provisions of MERS, as described on pages 4 - 16 of Appendix E which is on the MERS website at: [Appendix](#);
- Demographic data on the participants covered, as described in Section II.;
- Financial information regarding plan assets, as described in Section III.; and
- The actuarial assumptions and funding methods adopted by the Retirement Board. See pages 18 - 39 of Appendix E on the MERS website at: [Appendix](#).

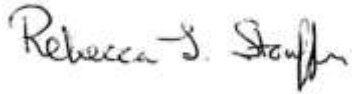
This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. All calculations have been made in conformity with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board and in compliance with Act No. 427 of the Public Acts of 1984, as amended, and the MERS Plan Document as revised. The actuarial assumptions used for this valuation produce results that we believe are reasonable.

This report reflects the impact of COVID-19 experience through December 31, 2022. At this time, no future assumptions have been adjusted as a result of COVID-19. Actual future experience will be reflected in each subsequent annual valuation, as experience emerges.



The signing actuaries are independent of the plan and plan sponsors. GRS maintains independent consulting agreements with certain local units of government for services unrelated to the actuarial consulting services provided to MERS in this report.

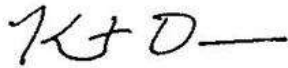
Respectfully Submitted,  
Gabriel, Roeder, Smith & Company



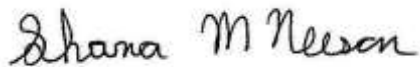
Rebecca L. Stouffer, ASA, FCA, MAAA



Mark Buis, FSA, FCA, EA, MAAA



Kurt Dosson, ASA, FCA, MAAA



Shana M. Neeson, ASA, FCA, MAAA



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## MERS 12/31/2022 Valuation - Results by Municipality

- Appendix A: Participant Information
- Appendix B: Accrued Liabilities and Assets
- Appendix C: Annual Employer Contribution Requirements
- Appendix D: Plan Maturity Measures
- Appendix E: Plan Provisions: Actuarial Assumptions and Methods



# I. Results of the Actuarial Valuation

## Overview

Our actuarial valuation of the liabilities and contribution rates for each of the 746 Defined Benefit Plan and Hybrid Plan participating municipalities in the Municipal Employees' Retirement System as of December 31, 2022 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, and various collective bargaining agreements (see Appendix E which is on the MERS website at: [Appendix](#)).
2. The characteristics of active and inactive MERS participants as of December 31, 2022 (see Section II).
3. The assets attributable to MERS participants of each participating municipality. The total assets (at actuarial value) for all 746 municipalities included in the December 31, 2022 valuation was \$12.7 billion. The market value of assets was \$11.0 billion.
4. The actuarial assumptions and funding method (see Appendix E which is on the MERS website at: [Appendix](#)). The results in this report reflect the assumptions and funding policy adopted by the Retirement Board in February 2019, February 2020, and February 2022.

The employer contribution rate has been determined for each open municipality based on the entry age normal funding method. Under the entry age normal funding method, the total employer contribution is comprised of the normal cost plus the amortization payment required to fund the unfunded actuarial accrued liability over a period of years.

The total normal cost is, for each active participant, the level percentage of payroll contribution (from entry age to retirement) required to accumulate sufficient assets at the participant's retirement to pay for his or her projected benefit. The employer normal cost is the total normal cost reduced by the employee contribution rate. Closed municipalities (no longer actively participating in MERS) are covered by separate funding requirements.

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 2024 and is then amortized as noted in the [Appendix](#).

Each of these components of the employer contribution (i.e., normal cost and amortization payment) is shown separately for each municipality in Appendix C. For open divisions, we show estimated dollar contributions (based on projected 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). For closed divisions, we show the dollar contributions that MERS will invoice, unless the division is linked to an open division and the employer has requested a blended contribution rate.

Within each municipality, an individual employer contribution is determined for each valuation group (division). The employer contribution requirement for each municipality is shown in Appendix C. The funded status of each municipality is shown in Appendix B. The Annual Actuarial Valuation report for each individual municipality contains information regarding the identification and assessment of risk. Appendix D summarizes the risk measures for all municipalities.



## Municipality Funded Status

One measure of a municipality's funding progress is the percentage of the dollar value of the actuarial accrued liability that is covered by the actuarial value of assets. The most recent MERS actuarial valuation is as of December 31, 2022. At that date 94 municipalities (13% of all Defined Benefit Plan and Hybrid Plan municipalities in MERS) were funded at 100% or higher, down from 101 last year. There were 648 municipalities in MERS that were funded at 60% or higher (87% of all municipalities), up from 647 last year.

## Changes in Municipality Funding Percentages in 2022

Each municipality's plan is a standalone entity. Benefits are determined at the local level, each municipality is responsible for funding its own benefit provisions, and funded percentages vary between municipalities, as shown in Table 1 and Chart 7. Factors that affect the change in a municipality's funded percentage during 2022 include:

- **Funding Policy** - The MERS funding policy is designed to result in a gradual change in the funded percentage towards 100% funding.
- **Investment Experience** - The actual market rate of return during 2022 was lower than the assumed rate of return, and the actuarial rate of return during 2022 was lower than assumed resulting in decreased funded percentages (absent other factors). The impact of this lower than assumed rate of return is scheduled for recognition in the 2022 and following four valuations.
- **Assumption Changes** - Effective February 17, 2022, the MERS Retirement Board adopted a dedicated gains policy that automatically lowers the assumed rate of investment return by using excess asset gains to mitigate large increases in required contributions to the Plan. Full details of this dedicated gains policy are available in the Actuarial Policy found on the MERS [website](#). Some goals of the dedicated gains policy are to:
  - Provide a systematic approach to lower the assumed rate of investment return between experience studies; and
  - Use excess gains to mitigate both the increase in the normal cost payment the first year and any increase in UAL resulting from the reduction in the assumed rate of return (i.e., minimize the first-year impact (i.e., increase) in employer contributions).



The dedicated gains policy was implemented with the December 31, 2021 annual actuarial valuation and was reflected in computed employer contribution amounts beginning in fiscal year 2023.

Investment performance measured for the one-year period ending December 31, 2022 did not result in excess gains for use in lowering the assumed rate of investment return. As a result, this assumption remains at 7.00%.

- **Benefit Provision Changes** - When a municipality's benefit provisions increase, the funded percentage usually decreases, and vice versa.
- **Experience in Other Risk Areas (retirements, disabilities, withdrawals, pay increases, etc.)** - Any material difference between what actually happened to participants in 2022 versus what the actuarial assumptions projected would happen will increase or decrease the funded percentage.
- **Contributions in Excess of Minimum Requirements** - Contributing more than the annual minimum required contribution would increase the municipality's funded percentage compared to what it would have been without the extra contribution.

The above list is not all inclusive. In addition, each municipality's funded status could be affected by a combination of these factors.

## Comments on the Investment Markets

The actuarial value of assets, used to determine both municipalities' funded status and the required employer contributions, is based on a 5-year smoothed value of assets in conjunction with application of a Dedicated Gains policy. The Dedicated Gains policy serves to systematically lower the assumed rate of return and applies to any market gains remaining after the preliminary application of the Asset Method. Only a portion of each year's investment market losses or gains were recognized in the 2022 actuarial valuation reports. This reduces the volatility of the valuation results, which affects the required employer contributions and actuarial funded percentage.

As of December 31, 2022, the actuarial value of assets is 116% of market value due to asset smoothing. This means there are deferred investment losses, which will put upward pressure on contributions in the short term.

There are key differences between the data and figures used to calculate market performance in actuarial reports such as this, and a municipality's State of Fiduciary Net Position. The **Actuarial Rate of Return** is calculated on the actuarial value of assets and will differ from the computed **Market Rate of Return** due to the smoothing of historical returns. For plans across the country, the actuary generally computes a simplified estimate of the rate of return called the Market Rate of Return assuming all contributions and benefits are paid in the middle of the year. The actuary's calculation under this method should not be used to assess investment performance since it is impacted by the timing of cash flows. Both the actuarial rate of return and the market rate of return are aggregated across all MERS plans system-wide and are a notional value which is not intended to be interpreted as an individual plan's rate of return.

MERS publishes an **Annualized Rate of Return** on their website [here](#). These figures are calculated by MERS external banking custodian and are annually audited. Differences between the **Annualized Rate of Return** and the **Market Rate of Return** can generally be attributed to the treatment of expenses, the **Market Rate of Return** is net 20 basis points of administrative expenses and 20 basis points of investment expenses, and the type of calculation. The **Market Rate of Return** is a cash-weighted return calculation and the **Annualized Rate of Return** calculation is generally calculated as a time-weighted return independent of the cash flows based on additional interim data (e.g., quarterly, monthly, or more frequent).

Year Ending December 31,	Actuarial Rate of Return <i>Smoothed</i> (Net of Expenses)	Market Rate of Return (Net of Expenses)	Market Rate of Return (Gross)
2020	8.17%	12.70%	13.79%
2021	17.04%	13.97%	14.32%
2022	3.51%	-10.61%	-10.24%

The actuary's calculations for MERS as a whole may be found in the [Appendix](#) to the Annual Actuarial Valuation. Note that calculations of rates of return for individual plans may differ from that of MERS as a whole since the plan's cash flows may differ proportionately from that of MERS as a whole.



**Table 1: Summary of the Valuation Results**

	December 31,		
	2022	2021	2020
Number of Participating Municipalities	733	731	728
Number of Closed Municipalities <sup>1</sup>	13	13	14
Total Defined Benefit and Hybrid Municipalities	746	744	742
Number of Valuation Divisions			
Open to new hires	924	984	1,037
Closed to new hires	2,200	2,103	2,011
Closed municipalities	16	16	18
Total	3,140	3,103	3,066
Total Active Participant Payroll (millions)	\$ 1,891	\$ 1,834	\$ 1,852
Assets at Market Value (millions)	\$ 10,983	\$ 12,493	\$ 10,991
Assets at Actuarial Value (millions)	12,711	12,474	10,688
Actuarial Rate of Return <sup>2</sup>	3.51%	17.04%	8.17%
Actuarial Accrued Liability (millions)	\$ 17,533	\$ 17,144	\$ 16,199
Median AAL Funded Percentage (based on actuarial value of assets)	78%	78%	71%
Number of Municipalities:			
Under 60% Funded	98	97	167
60%-80% Funded	311	304	332
80%-100% Funded	243	242	190
100%+ Funded	94	101	53
Median Plan Maturity Risk Measures:			
Ratio of Market Value of Assets over Payroll	5.0	5.9	5.3
Ratio of Actuarial Accrued Liability over Payroll	8.2	8.1	7.7
Ratio of Actives over Retirees and Beneficiaries	0.7	0.7	0.8
Ratio of Market Value of Assets over Benefit Payments	11.4	13.7	12.8
Ratio of Net Cash Flow over Market Value of Assets	-1.2%	-1.4%	-1.7%

<sup>1</sup> Closed municipalities have ceased participation in MERS, but MERS retains assets and liabilities for future benefit payments to their retirees and vested former participants.

<sup>2</sup> Refer to discussion on prior page for additional detail.

## II. Participant Characteristics as of December 31, 2022

### Active Participants

The total number of defined benefit plan active participants decreased from 31,019 on December 31, 2021 to 30,438 on December 31, 2022.

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

Item	December 31,		
	2022	2021	2020
Number of defined benefit plan active participants	30,438	31,019	32,314
Average age	45.5	45.7	45.7
Average benefit service	10.5	10.8	11.0
Average eligibility service <sup>1</sup>	11.4	11.7	11.9
Average compensation	\$ 62,116	\$ 59,111	\$ 57,299
Aggregate compensation (millions)	\$ 1,890.7	\$ 1,833.6	\$ 1,851.6

<sup>1</sup> Description can be found under Miscellaneous and Technical Assumptions in the Appendix.

### Vested Former Participants

A vested former participant is a person who terminated employment after meeting their division's vesting schedule, with rights to a deferred benefit commencing at normal retirement age, or earlier if early (unreduced) retirement benefits have been adopted.

There were 9,128 former employees with deferred vested rights as of December 31, 2022. This compares to 8,916 such participants as of the prior valuation.

Item	December 31,		
	2022	2021	2020
Number of vested former participants <sup>1</sup>	9,128	8,916	8,663
Average age	49.6	49.8	50.0
Average annual deferred benefit	\$ 11,576	\$ 11,416	\$ 11,231

<sup>1</sup> Excludes terminated employees who are not vested. Any employee contributions still on deposit for such persons are reflected as a pending refund accrued liability.

### Retirees and Beneficiaries

There were 45,839 retirees and beneficiaries receiving payments as of December 31, 2022. The table below presents age and benefit information as of the current valuation and for the past two years.

Item	December 31,		
	2022	2021	2020
Number of pensioners	45,839	44,723	43,597
Average age	70.4	70.2	70.0
Average annual benefit	\$ 23,588	\$ 23,181	\$ 22,775



**Table 2: Defined Benefit and Hybrid Municipalities and Participants - Historical Comparison**

Valuation Date Dec. 31,	No. of DB and Hybrid Municipalities	Active Participants				Vested Former Participants	
		Number	Annual Payroll	Average Pay	% Increase Avg. Pay	Number	Annual Benefits
1985	342	29,659	\$ 544,238,433	\$ 18,350		641	
1990	381	32,256	725,691,155	22,498		1,261	
1995	490	35,611	972,975,649	27,322		2,322	
2000	560	36,573	1,225,992,204	33,522		5,303	
2005	644	36,467	1,462,411,810	40,102		6,126	\$ 43,894,457
2010	715	35,816	1,683,983,258	47,018		6,961	60,836,793
2012	726	34,187	1,640,390,877	47,983		7,262	66,638,525
2013	728	34,809	1,687,391,045	48,476	1.0 %	7,620	72,185,583
2014	728	35,302	1,743,799,124	49,397	1.9	7,690	77,919,750
2015	732	35,274	1,786,825,334	50,656	2.5	8,340	83,291,898
2016	735	34,843	1,779,919,980	51,084	0.8	8,252	85,220,062
2017	743	34,787	1,812,477,401	52,102	2.0	8,361	87,839,939
2018	745	33,891	1,812,758,776	53,488	2.7	8,605	93,258,513
2019	745	33,710	1,850,299,634	54,889	2.6	8,638	95,514,536
2020	742	32,314	1,851,572,891	57,299	4.4	8,663	97,289,982
2021	744	31,019	1,833,562,238	59,111	3.2	8,916	101,783,532
2022	746	30,438	1,890,680,777	62,116	8.4	9,128	105,668,368

Table 2 provides a historical comparison of the number of active and vested former participants included in the actuarial valuations, along with the number of Defined Benefit Plan and Hybrid Plan municipalities.

Throughout this report are references to valuation results generated prior to the 2018 valuation date. Select results prior to 2018 were received directly from the prior actuary.

**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
1985	8,343		\$ 27,747,190	
1990	10,317		51,738,242	
1995	13,032		102,010,673	
2000	16,275		173,549,622	
2005	20,155		288,061,637	
2010	26,930		481,476,493	
2012	29,739		565,478,715	
2013	32,460	9.1 %	628,103,333	11.1 %
2014	35,754	10.1	723,077,656	15.1
2015	37,467	4.8	778,114,296	7.6
2016	38,774	3.5	822,640,812	5.7
2017	40,148	3.5	866,696,664	5.4
2018	41,350	3.0	908,941,059	4.9
2019	42,486	2.7	949,112,105	4.4
2020	43,597	2.6	992,934,193	4.6
2021	44,723	2.6	1,036,715,292	4.4
2022	45,839	5.1	1,081,247,846	8.9

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

## Chart 1: MERS Growth

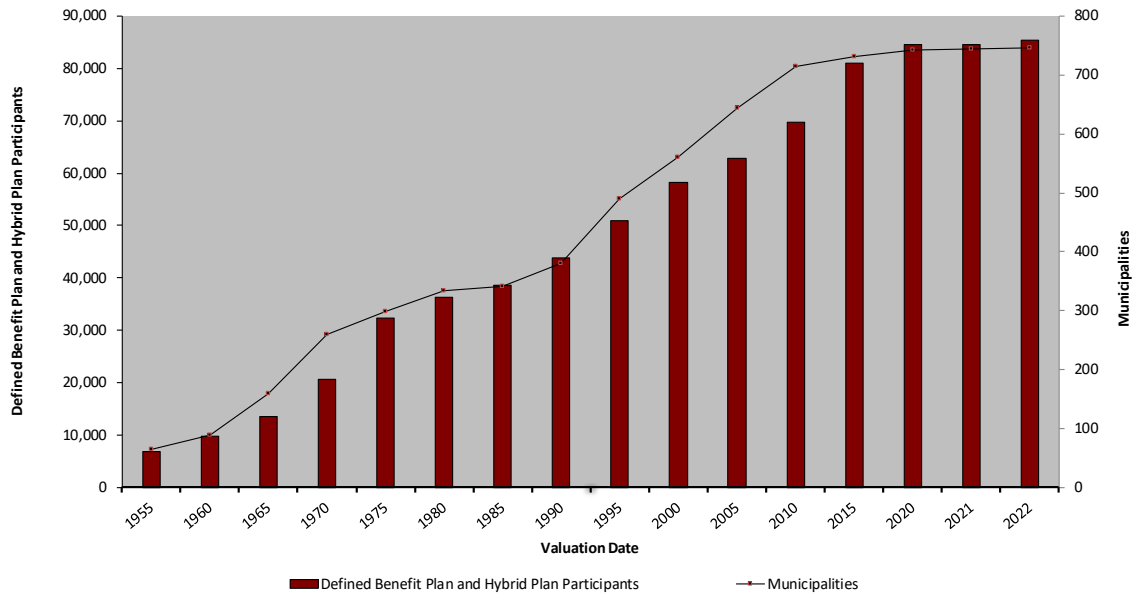


Chart 1 presents a comparison of the growth in MERS Defined Benefit Plan and Hybrid Plan municipalities to the growth in plan participants (active participants, vested former participants, and retirees and beneficiaries). Participants may appear in counts more than once based upon employment circumstances.

## Chart 2: MERS Composition

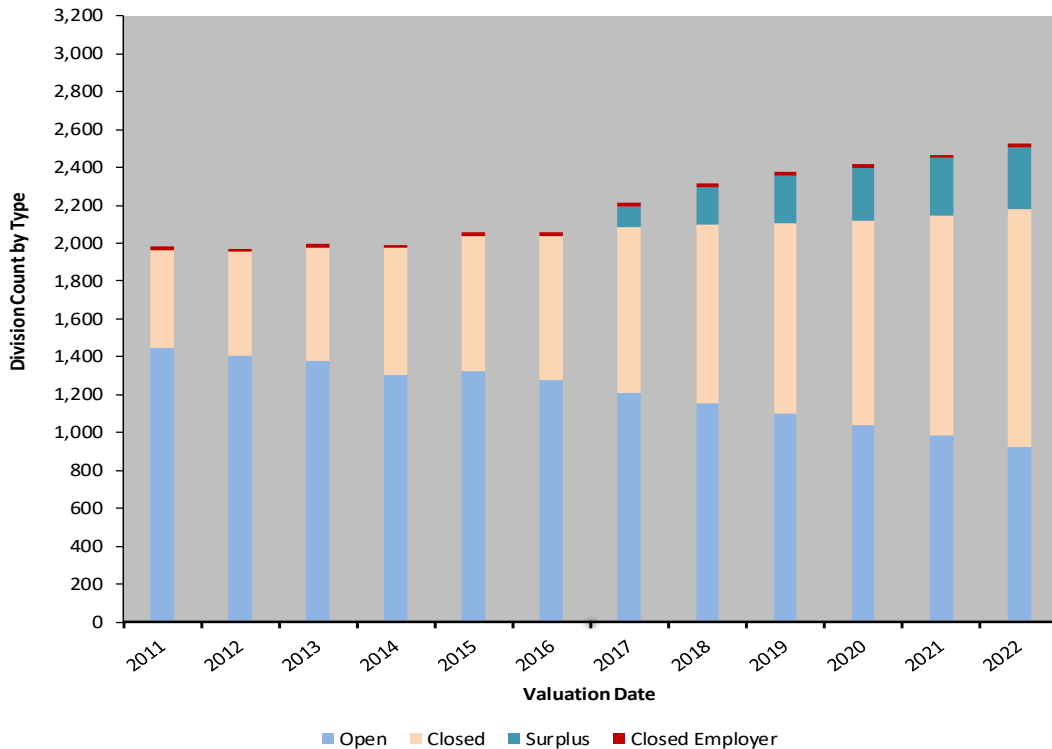


Chart 2 presents a comparison of the make-up of divisions within MERS. Closed linked divisions are excluded from the distribution above. Exclusion of closed linked divisions prevent a skew in distribution.

### Chart 3: MERS Composition (Continued)

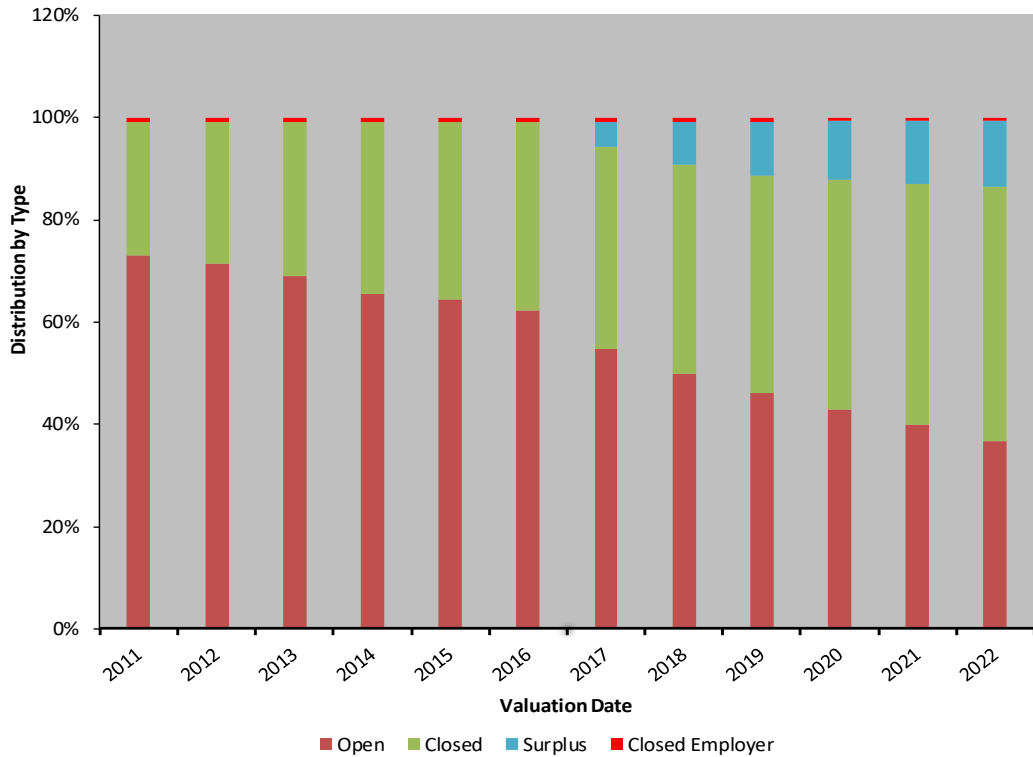


Chart 3 illustrates the composition of MERS by type. As of December 31, 2022 open divisions represent 37% of the divisions shown in Chart 2.

### Chart 4: Active and Retired Participants

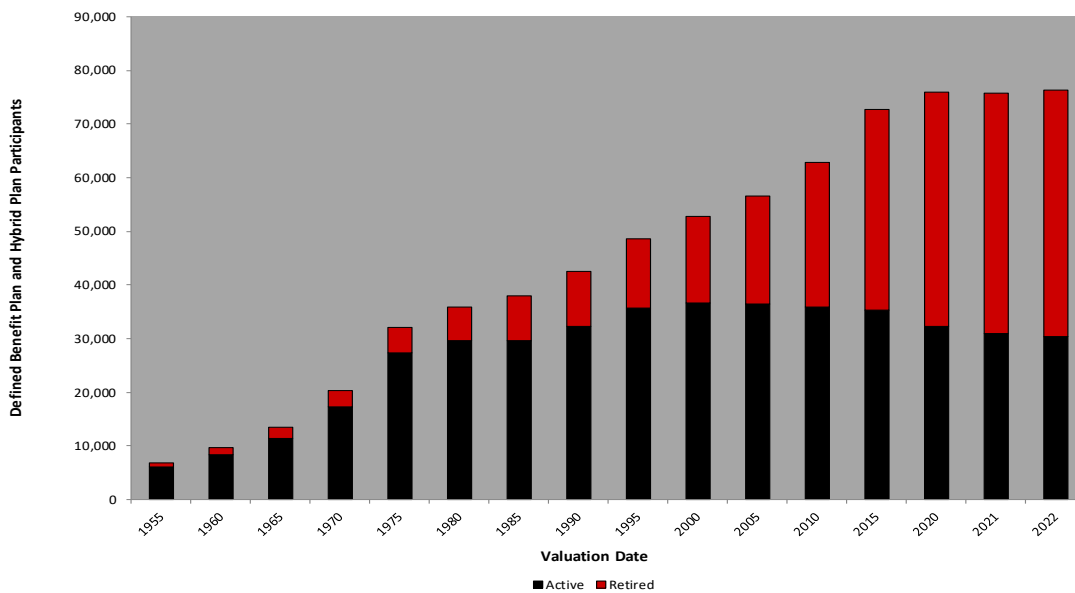
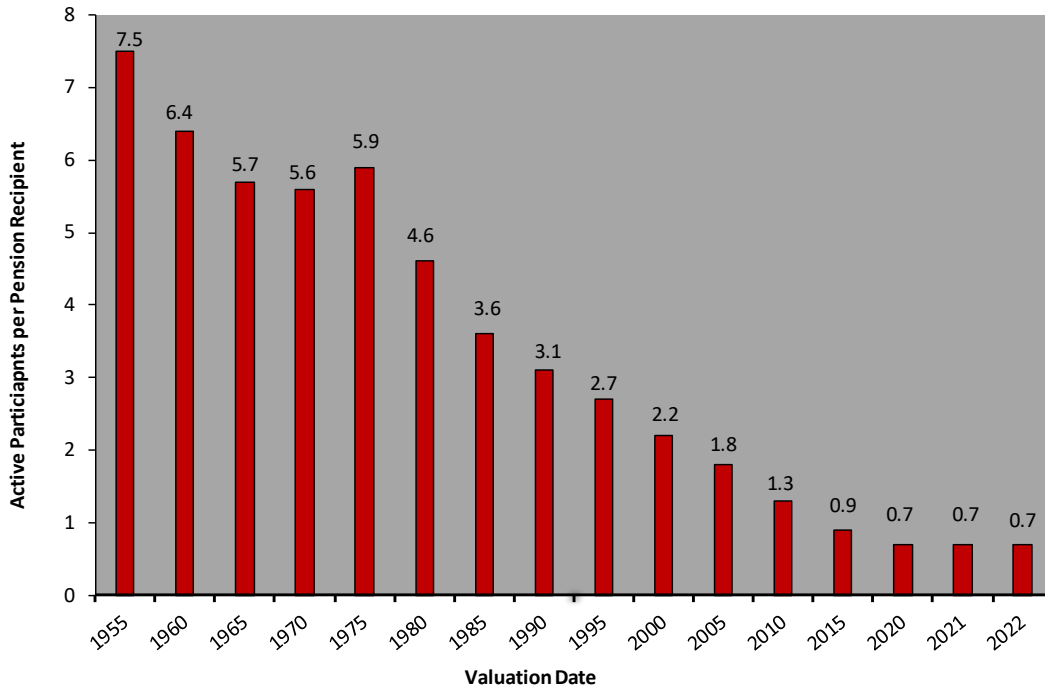


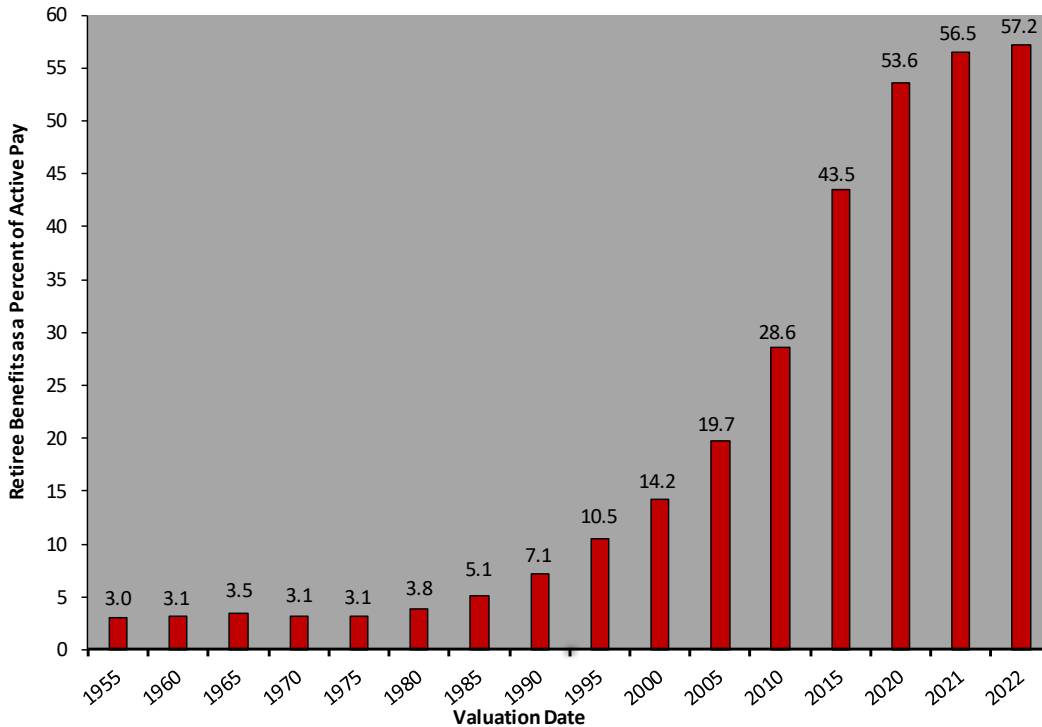
Chart 4 illustrates graphically the historical growth in the number of active participants and retirees and beneficiaries.



**Chart 5: Active Participants Per Pension Recipient**



**Chart 6: Retiree Benefits as a Percent of Active Pay**



Charts 5 and 6 illustrate how MERS has matured over the years. Over time the number of active participants per retiree has declined from over 7 to under 1. This ratio is expected to temporarily dip further below 1, due to employee divisions that are closed to new hires, but then eventually stabilize around 1 over the course of a generation or more. The benefit payout as a percentage of active payroll has increased to over 57%.



## Active Detail as of December 31, 2022

**Table 4: Number and Average Pay of Participants in Active Service by Age and Years of Benefit Service**

Age	Total	Years of Benefit Service						
		0-4	5-9	10-14	15-19	20-24	25-29	30 & Over
Total	30,438	11,290	6,624	3,511	3,121	3,378	1,587	927
	\$ 62,116	\$ 52,879	\$ 62,777	\$ 67,092	\$ 70,377	\$ 72,378	\$ 72,198	\$ 68,563
Under 20	95	95						
	\$ 35,770	\$ 35,770						
20-24	1,143	1,128	15					
	\$ 46,983	\$ 46,949	\$ 49,503					
25-29	2,527	2,072	449	6				
	\$ 55,370	\$ 53,992	\$ 61,663	\$ 60,253				
30-34	3,108	1,760	1,137	203	8			
	\$ 59,666	\$ 54,829	\$ 66,295	\$ 64,252	\$ 65,163			
35-39	3,410	1,416	1,073	659	246	16	-	
	\$ 63,226	\$ 54,950	\$ 65,300	\$ 73,945	\$ 72,630	\$ 70,481	\$ -	
40-44	3,824	1,175	914	584	754	377	20	
	\$ 65,872	\$ 53,387	\$ 64,431	\$ 70,610	\$ 78,079	\$ 75,764	\$ 80,216	
45-49	4,204	1,031	793	505	638	953	279	5
	\$ 67,820	\$ 55,603	\$ 63,504	\$ 69,425	\$ 72,347	\$ 77,683	\$ 78,365	\$ 63,404
50-54	4,832	1,102	807	570	626	949	606	172
	\$ 65,668	\$ 53,480	\$ 61,852	\$ 64,389	\$ 68,974	\$ 74,149	\$ 75,112	\$ 73,789
55-59	3,914	853	715	509	437	627	419	354
	\$ 61,696	\$ 50,715	\$ 58,528	\$ 62,959	\$ 64,541	\$ 67,232	\$ 69,600	\$ 70,070
60-64	2,418	465	482	316	297	367	211	280
	\$ 60,072	\$ 51,518	\$ 58,821	\$ 62,409	\$ 60,625	\$ 62,485	\$ 63,123	\$ 67,742
65 & Over	963	193	239	159	115	89	52	116
	\$ 53,552	\$ 42,808	\$ 52,726	\$ 54,460	\$ 59,497	\$ 59,737	\$ 59,838	\$ 58,423

Table 4 shows the distribution of active participants by age and service and includes information on average compensation.

# Retiree and Beneficiary Detail as of December 31, 2022

**Table 5: Tabulated by Attained Ages**

Age	Number
Under 50	489
50 - 54	1,278
55 - 59	3,199
60 - 64	7,676
65 - 69	10,552
70 - 74	9,429
75 - 79	6,146
80 - 84	3,726
85 - 89	2,024
90 - 94	920
95 - 99	273
100 & Over	24
Certain Only <sup>1</sup>	103
<b>Total</b>	<b>45,839</b>

<sup>1</sup> These are beneficiaries of deceased retirees who had elected term certain and life options. The beneficiaries receive benefits until the end of the term certain period.

**Table 6: Tabulated by Average Annual Pension by Year of Retirement<sup>2,3</sup>**

Year of Retirement	Number	Average Annual Pension
Before 1970	6	\$ 5,802
1970 - 1979	112	9,074
1980 - 1989	974	12,524
1990 - 1999	4,669	19,461
2000 - 2009	12,058	24,856
2010 - 2019	20,383	24,059
2020-2023	7,637	24,491
<b>Total</b>	<b>45,839</b>	<b>23,588</b>

<sup>2</sup> As new divisions with existing retirees and beneficiaries join MERS, the year of retirement is set equal to the year the division joins MERS. This skews the number of retirees and beneficiaries as well as the average annual pension in years when this occurs.

<sup>3</sup> Reflects January 1 retirements for those that left employment on or before the valuation date.



## Retiree and Beneficiary Detail as of December 31, 2022

**Table 7: Allowances Being Paid: Tabulated by Type of Benefit**

Type of Benefit	Number of Retirees	Number as a Percent of Total	Total Monthly Benefits
Normal Retirement for age and service	37,732	82.3 %	\$ 79,324,610
Non-Duty Disability	1,089	2.4	1,649,221
Duty Disability	565	1.2	1,160,305
Beneficiaries <sup>1</sup>	5,508	12.0	6,765,355
Non-Duty Death	894	2.0	1,137,001
Duty Death	51	0.1	67,495
<b>Totals</b>	<b>45,839</b>	<b>100.0 %</b>	<b>\$ 90,103,987</b>

<sup>1</sup> Includes EDRO alternate payees.

**Table 8: Allowances Being Paid: Tabulated by Optional Form of Benefit**

Type of Benefit	Number of Retirees and Beneficiaries	Number as a Percent of Total	Total Monthly Benefits
Beneficiary draws 100% of retiree's benefit	15,181	33.1 %	\$ 31,464,533
Beneficiary draws 67% of retiree's benefit	3	0.0	12,816
Beneficiary draws 75% of retiree's benefit	3,314	7.2	8,583,953
Beneficiary draws 60% of retiree's benefit	385	0.8	1,448,853
Beneficiary draws 50% of retiree's benefit	6,257	13.7	14,385,114
Equated Option (changing at Social Security age)	271	0.6	281,067
5 year certain and life	339	0.7	614,407
10 year certain and life	787	1.7	1,611,367
15 year certain and life	303	0.7	530,200
20 year certain and life	625	1.4	1,022,139
Straight life allowance	18,374	40.1	30,149,538
<b>Totals</b>	<b>45,839</b>	<b>100.0 %</b>	<b>\$ 90,103,987</b>

## Provision Detail as of December 31, 2022

**Table 9: Valuation Divisions Tabulated by Valuation Year and Benefit Formula**

Benefit Formula	Number of Divisions with Benefit on December 31,		
	2022	2021	2020
<b>Flat Multiplier (Max varies)</b>			
Less than 1.50%	38	39	39
1.50% to less than 1.75%	230	231	231
1.75% to less than 2.00%	7	7	7
2.00% to less than 2.25%	408	408	406
2.25% to less than 2.50%	535	539	537
2.50% to less than 2.75%	859	858	867
2.75% and above	64	67	67
<b>Tiered Multiplier (Max varies)</b>			
By Service	37	36	36
By Age	46	46	46
By FAC	22	20	21
<b>Other</b>			
Frozen Benefits (Incl. Optional Freeze)	45	36	24
Old Plan Benefits	35	35	38
Other	0	0	0
Surplus Division	327	304	280
<b>Bridged Benefit (Frozen FAC; Grouped on Pre-Bridge Multiplier)</b>			
Less than 1.50%	1	0	0
1.50% to less than 1.75%	8	8	8
1.75% to less than 2.00%	0	0	0
2.00% to less than 2.25%	17	17	17
2.25% to less than 2.50%	28	27	27
2.50% to less than 2.75%	129	127	119
2.75% and above	24	22	22
Tiered Multiplier	18	18	18
Frozen Benefits	19	19	19
<b>Bridged Benefit (Termination FAC; Grouped on Pre-Bridge Multiplier)</b>			
Less than 1.50%	0	0	1
1.50% to less than 1.75%	2	2	2
1.75% to less than 2.00%	1	1	1
2.00% to less than 2.25%	1	1	1
2.25% to less than 2.50%	9	9	9
2.50% to less than 2.75%	13	12	12
2.75% and above	11	10	10
Tiered Multiplier	3	3	3
<b>Hybrid Plan</b>			
1.00% Multiplier	56	56	55
1.25% Multiplier	58	59	57
1.50% Multiplier	79	77	77
1.75% Multiplier	4	4	4
2.00% Multiplier	2	2	2
Frozen Benefits	4	3	3

Benefit Formula	Number of Divisions with Benefit on December 31,		
	2022	2021	2020
<b>Subtotals</b>			
Flat Multiplier (Max varies)	2,141	2,149	2,154
Tiered Multiplier (Max varies)	105	102	103
Other	407	375	342
Bridged Benefit (Frozen FAC; Grouped on Pre-Bridge Multiplier)	244	238	230
Bridged Benefit (Termination FAC; Grouped on Pre-Bridge Multiplier)	40	38	39
Hybrid Plan	203	201	198
<b>Total Divisions</b>	<b>3,140</b>	<b>3,103</b>	<b>3,066</b>

Table 9 shows the distribution of benefit provisions in effect for the 2022 and past two valuations. MERS is a multiple-employer plan, where each municipality decides its benefit structure.



# Provision Detail as of December 31, 2022

**Table 10: Additional Benefit Programs**

Benefit Program (Required)	No. of Divisions	Benefit Program (Optional)	No. of Divisions	Benefit Program (Optional)	No. of Divisions
<b>Normal Retirement</b>		<b>Unreduced Retirement (Age and Service)</b>		<b>COLA for Existing Retirees</b>	
50	5	49/20	1	0.50% (Non-Compound)	1
52	3	50/20	3	1.40% (Non-Compound) payable for 10 years	4
55	48	50/25	484	2.00% (Non-Compound)	1
58	7	50/28	1	2.50% (Non-Compound)	287
59	2	50/30	6	2.00% (Compound)	26
60	2,705	52/25	1	2.00% (Compound) payable Years 6-15	1
62	6	53/25	7	2.00% (Compound; CPI Limit)	1
65	2	55/10	10	CPI (Compound; 3% Limit) to Age 65	2
Old Plan Benefits	35	55/15	348	CPI (Compound; 4% Limit)	1
Surplus	327	55/20	261	\$300 Annual Flat Dollar	1
		55/25	759	Varies	3
		55/30	74	<b>COLA for Future Retirees</b>	
<b>Early (Reduced) Retirement</b>		57/25	2	0.50% (Non-Compound)	1
0/25 or 55/10	1	60/10	7	1.00% (Non-Compound)	9
50/25 or 55/10	7			1.40% (Non-Compound) payable for 10 years	4
50/25 or 55/15	1,613	<b>Unreduced Retirement (Service)</b>		1.50% (Non-Compound)	2
52/25 or 57/15	6	6 & out	1	2.00% (Non-Compound)	5
55/25 or 60/15	1	20 & out	22	2.50% (Non-Compound)	676
50/25	256	21 & out	1	2.50% (Non-Compound) commencing at age 54	2
55/10	6	22 & out	4	1.00% (Compound)	1
55/15	526	23 & out	5	2.00% (Compound)	25
None	362	25 & out	164	Bridged COLA	
Old Plan Benefits	35	30 & out	13	2.50% (Non-Compound) before, 0.00% after	33
Surplus	327			<b>D2 Provisions</b>	
<b>Vesting</b>		<b>Unreduced Retirement (Points)</b>		D2 (25%)	82
3 years	1	Rule of 65	2	D2 (50%)	4
5 years	36	Rule of 80	3	D2 (55%)	1
6 years	649	Rule of 85	6	D2 (67%)	18
7 years	3			D2 (70%)	11
8 years	222	<b>Survivor Provisions</b>		D2 (50% Dth; 67% Dsb)	1
10 years	1,851	RS 50%	159	D2 (67% Dth; 50% Dsb)	17
15 years	16	RS 60%	23	D2 No Svc Proj	18
Old Plan Benefits	35	RS 100%	1	<b>Disability and Death Provisions</b>	
Surplus	327	RS 75%	2	DD 50% FAC Min	2
		Sub. 75%	15	DD 80% FAC Min	1
<b>FAC Period</b>		<b>Other Provisions</b>		Dty Dsb 65% FAC Min	1
2 years	13	PRO	1	Non Dty Dsb 25% FAC Min	7
3 years	1,304	SLIF	125	Non Dty Dsb 55% FAC Min	1
4 years	3	AWD TBill	32	NDD15% FAC Min	17
5 years	1,436	AWD (Valuation Interest Rate)	5	NDD25% FAC Min	7
2 out of 10	1	DROP+ (4%)	2	NDD55% FAC Min	1
3 out of 10	4	DROP: Traditional	5	NDD/Dsb Elg: 1 year	7
5 out of 10	6	Max \$ FAC	4	Non Dty Dsb Elg: 5 years	2
3 out of 5	11	Late Retirement	6	Non Dty Dsb Elg: 10 years	10
Old Plan Benefits	35	Deferred GrowNRD	11	Dty Dsb: Alt Svc Proj	5
Surplus	327	Deferred Other	1	Non Dty Dsb: Svc Proj	2

Table 10 shows the distribution of Additional Benefit Programs in effect (by division) for the 2022 valuation. MERS is a multiple-employer plan, where each municipality decides its benefit structure.



### 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 (7.00% beginning calendar year 2022). This procedure was instituted for the December 31, 2005 valuation and further modified with the 2015 experience study, and February 17, 2022 adoption of a Dedicated Gains policy. The procedure 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 during the year.
- (ii) This value is written-up or written-down by recognizing 20% of the current year's difference between actual and expected return and 20% of that difference for the 4 prior years. Actual return for the year includes interest, dividends, realized and unrealized gains or losses, net of administrative and investment expenses.
- (iii) The Dedicated Gains policy applies to market gains remaining after recognition of the current year's asset gain (loss). If the preliminary value is between 80% and 120% of the market value of assets, as of the same date, remaining market gains are used to buy down the assumed rate of return.

For the December 31, 2022 valuation, this procedure produced an actuarial asset value that is equal to 115.77% of market value. The table below shows a brief historical comparison of this ratio.

<u>Valuation Year</u>	<u>Actuarial Asset Value as a % of Market Value</u>
2022	115.77%
2021	99.85%
2020	97.24%
2019	101.32%
2018	109.53%

On page 40 of Appendix E (on the MERS website at: [Appendix](#)) we have illustrated the development of the actuarial value of assets for the December 31, 2017 through December 31, 2022 actuarial valuations.

## IV. Employer Contributions and Funded Status as of December 31, 2022

**Table 11: Computed Employer Contribution Rates  
(Includes Open Divisions with Assets and/or Liabilities)**

Benefit Formula	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. %
<b>Flat Multiplier (Max varies)</b>							
Less than 1.50%	15	4.97%	0.68%	9	7.21%	24	1.06%
1.50% to less than 1.75%	119	4.73%	5.32%	35	9.57%	154	5.82%
1.75% to less than 2.00%	3	7.30%	3.40%	1	7.50%	4	4.22%
2.00% to less than 2.25%	131	5.11%	9.91%	38	16.19%	169	11.43%
2.25% to less than 2.50%	105	5.30%	17.25%	28	15.74%	133	16.67%
2.50% to less than 2.75%	123	7.82%	23.77%	33	38.42%	156	25.93%
2.75% and above	12	7.67%	36.52%	1	36.32%	13	36.51%
<b>Tiered Multiplier (Max varies)</b>							
By Service	14	8.89%	25.45%	0	0.00%	14	25.45%
By Age	11	5.07%	13.80%	4	24.04%	15	14.60%
By FAC	3	3.04%	5.98%	3	5.35%	6	5.85%
<b>Bridged Benefit (Frozen FAC; Grouped on Pre-Bridge Multiplier)</b>							
Less than 1.50%	0	0.00%	0.00%	0	0.00%	0	0.00%
1.50% to less than 1.75%	5	4.89%	8.78%	1	11.21%	6	8.94%
1.75% to less than 2.00%	0	0.00%	0.00%	0	0.00%	0	0.00%
2.00% to less than 2.25%	4	3.80%	12.09%	1	20.84%	5	12.20%
2.25% to less than 2.50%	4	6.44%	20.08%	0	0.00%	4	20.08%
2.50% to less than 2.75%	21	6.94%	19.59%	3	22.12%	24	19.73%
2.75% and above	8	11.08%	61.52%	0	0.00%	8	61.52%
Tiered Multiplier	0	0.00%	0.00%	0	0.00%	0	0.00%
<b>Bridged Benefit (Termination FAC; Grouped on Pre-Bridge Multiplier)</b>							
Less than 1.50%	0	0.00%	0.00%	0	0.00%	0	0.00%
1.50% to less than 1.75%	1	4.00%	0.00%	0	0.00%	1	0.00%
1.75% to less than 2.00%	0	0.00%	0.00%	0	0.00%	0	0.00%
2.00% to less than 2.25%	1	7.90%	11.90%	0	0.00%	1	11.90%
2.25% to less than 2.50%	2	6.00%	35.69%	0	0.00%	2	35.69%
2.50% to less than 2.75%	3	6.23%	13.79%	0	0.00%	3	13.79%
2.75% and above	1	6.00%	0.00%	0	0.00%	1	0.00%
Tiered Multiplier	0	0.00%	0.00%	1	0.00%	1	0.00%
<b>Hybrid Plan</b>							
1.00% Multiplier	0	0.00%	0.00%	48	5.25%	48	5.25%
1.25% Multiplier	0	0.00%	0.00%	38	6.28%	38	6.28%
1.50% Multiplier	1	2.19%	5.50%	66	8.21%	67	8.21%
1.75% Multiplier	0	0.00%	0.00%	4	7.27%	4	7.27%
2.00% Multiplier	0	0.00%	0.00%	0	0.00%	0	0.00%
Total	587	5.92%	14.15%	314	11.56%	901	13.26%

Table 11 provides a distribution of average employer and employee contribution rates by type of benefit program. This information is shown on a divisional basis. MERS is a multiple-employer plan, where each municipality decides its benefit structure.



## Chart 7: Distribution of Funded Percentage of Actuarial Accrued Liability

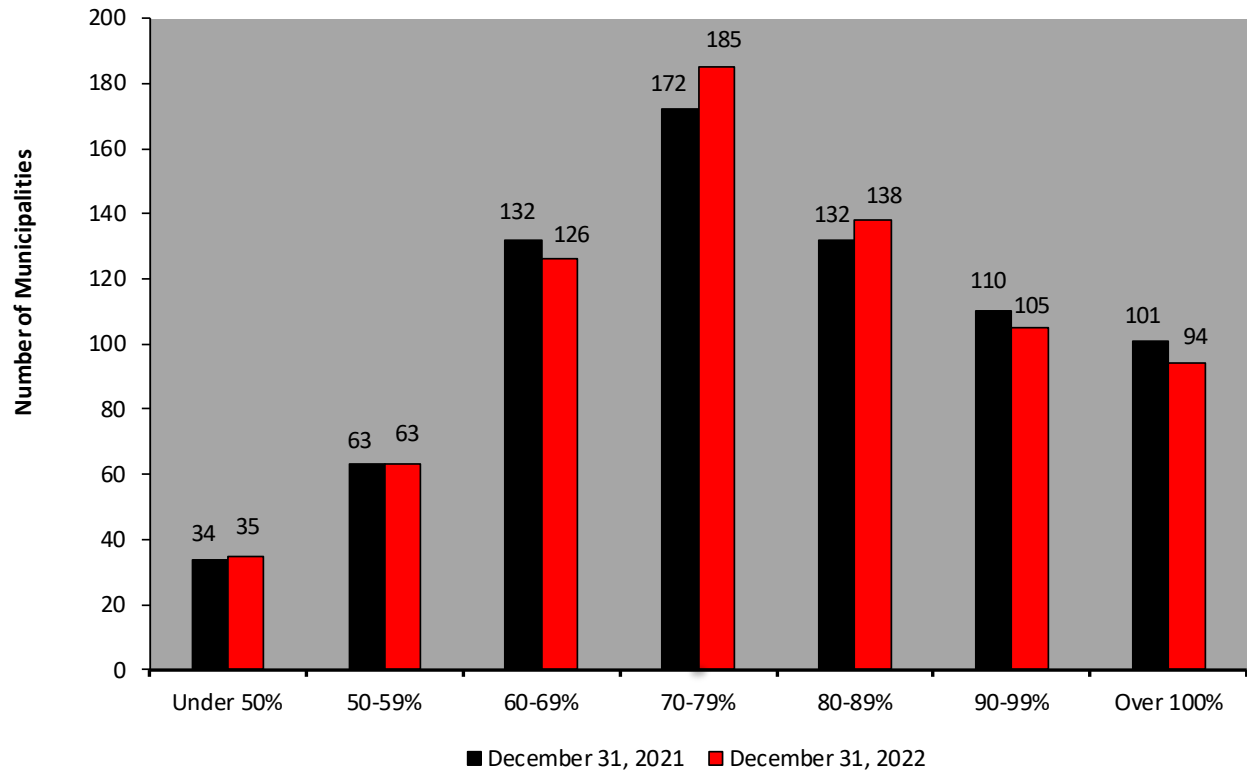


Chart 7 provides a distribution of the municipalities by funded percentage of the entire municipality, comparing the 2022 and 2021 valuation years. As of December 31, 2022:

- 554 municipalities are funded between 60% and 99%. This represents 74% of all municipalities.
- 94 municipalities are funded at 100% or more. This represents 13% of all municipalities.
- The median funded percentage is 78% in 2022 and 78% in 2021.

This distribution includes 746 municipalities as of December 31, 2022 and 744 as of December 31, 2021.

## Chart 8: Distribution of Divisions by Employer Contribution Rate (Includes Open Divisions)

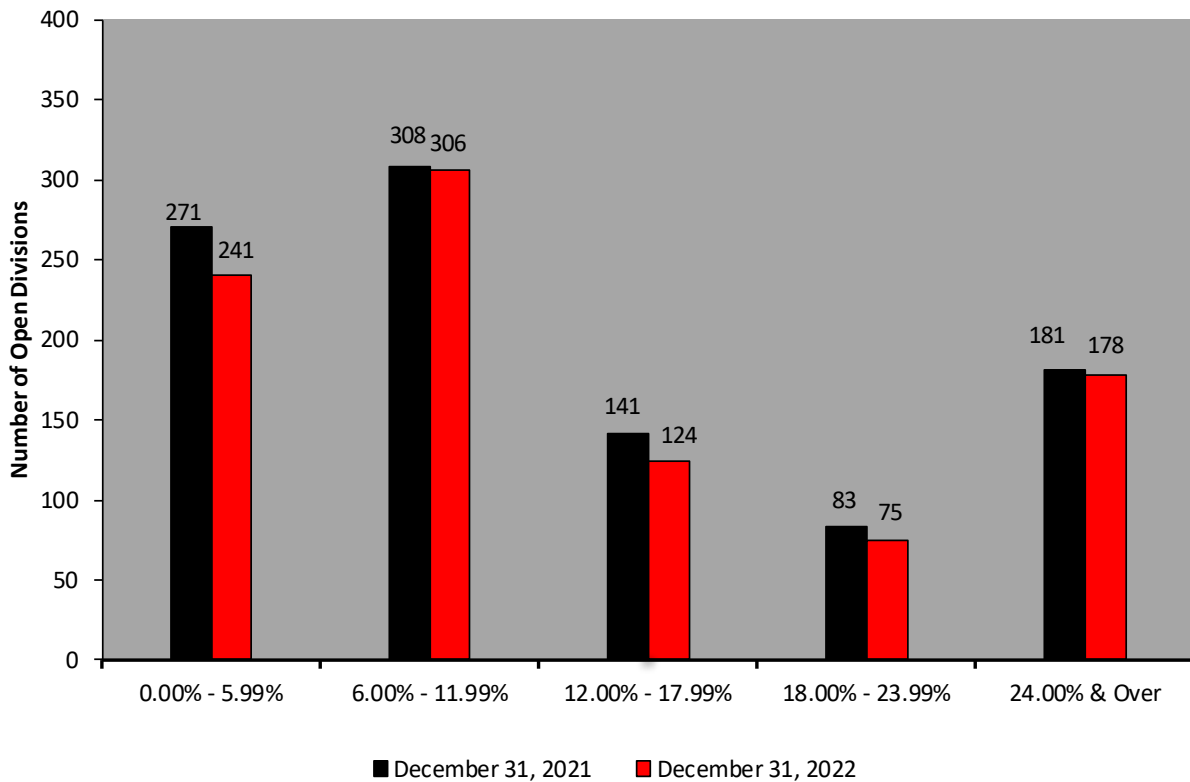


Chart 8 provides a distribution of divisions by employer contribution rate (as a percentage of payroll) for divisions that are open to new hires, comparing 2022 and 2021. Note that:

- The median employer contribution rate, for all open divisions, is 9.73% in the 2022 valuations, compared to 9.75% in the 2021 valuations.
- Employer contribution rates vary between divisions as a result of differences in demographics, benefit provisions, and cost-sharing arrangements.
- The divisions with very high employer contribution rates are generally small divisions that have experienced a decline in the number of active employees (unfunded liabilities are then spread over a smaller payroll, leading to a higher contribution rate).

## V. Employer Risk Measures as of December 31, 2022

### Overview

Determination of the accrued liability, the employer contribution, and the funded ratio requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the accrued liability, the actuarially determined contribution and the funded ratio that result from the differences between actual experience and the actuarial assumptions.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions due to changing conditions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period, or additional cost or contribution requirements based on the Plan's funded status); and changes in plan provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Examples of risk that may reasonably be anticipated to significantly affect the plan's future financial condition include:

- **Investment Risk** – actual investment returns may differ from the expected returns;
- **Asset/Liability Mismatch** – changes in asset values may not match changes in liabilities, thereby altering the gap between the accrued liability and assets and consequently altering the funded status and contribution requirements;
- **Salary and Payroll Risk** – actual salaries and total payroll may differ from expected, resulting in actual future accrued liability and contributions differing from expected;
- **Longevity Risk** – participants may live longer or shorter than expected and receive pensions for a period of time other than assumed; and
- **Other Demographic Risks** – participants may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future accrued liability and contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example, if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the cost of the plan can be expected to increase (or decrease). Likewise if longevity is improving (or worsening), increases (or decreases) in cost can be anticipated.

## Plan Maturity Measures

All retirement plans have a life cycle. A simple example is of a single individual saving for retirement. Early on in the individual's career, they generally start with little to no assets set aside for retirement. Retirement savings accumulate during the individual's career and may reach their highest point right before retirement. Once the individual retires, retirement assets are drawn down over their remaining lifetime.

Defined benefit or hybrid plans generally cover several individuals at various points in their lives. Plan maturity for defined benefit and hybrid plans may be measured in many different ways. Risks facing a pension plan evolve with plan maturity. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of participants in pay status and a significant trust may be much more exposed to investment risk.

The December 31, 2022 Annual Actuarial Valuation (AAV) reports for each participating MERS employer include several measures of plan maturity:

- The ratio of the market value of assets to payroll,
- The ratio of actuarial accrued liability to payroll,
- The ratio of actives to retirees and beneficiaries,
- The ratio of market value of assets to benefit payments, and
- The ratio of net cash flow as a percentage of assets.

This report contains a listing of these metrics from each participating MERS employer as well as summary information. These metrics in the AAVs and this report are significant to understanding the risks associated with the plans. The following discussion elaborates on the potential significance of each of these metrics.

## Market Value of Assets over Payroll

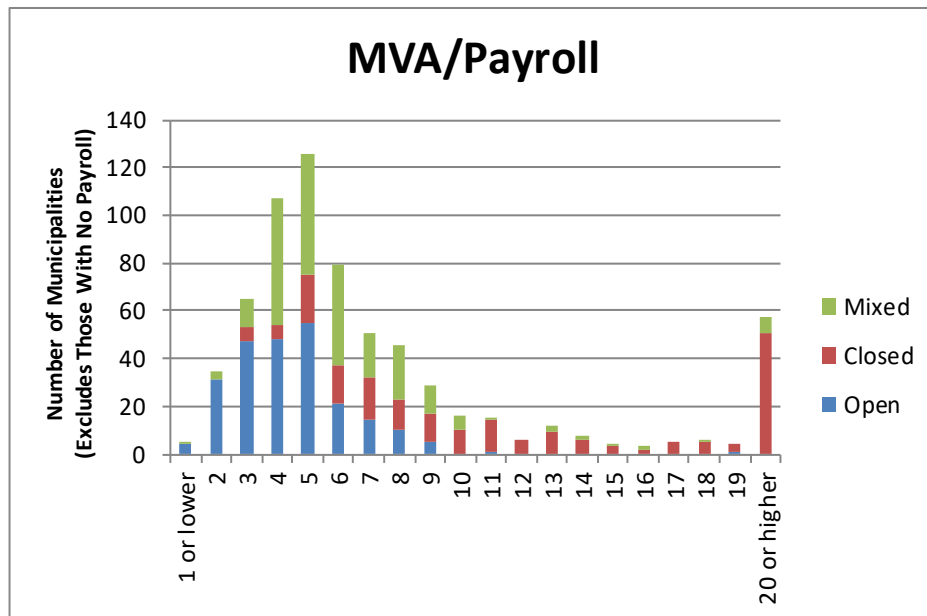
The ratio of the Market Value of Assets (MVA) over active payroll provides an indication of the size of the plan relative to the size of the employer. As a plan matures and assets accumulate, this ratio generally increases. For plans that have a large portion of retirees or a declining payroll (e.g., if the plan is closed to new hires), this ratio can get quite high. This measure is not provided for plans with no active payroll.

The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the market value of assets is 2.0 times the payroll, a return on assets 5% different than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in plan sponsor contributions as a percentage of payroll. Differences in experience are generally funded by employer contributions under the MERS Actuarial Policy.

It is important to understand that while a higher ratio of MVA to payroll may indicate more investment risk exposure to the plan sponsor, there may be circumstances when a higher ratio is a desired outcome for plan funding purposes. For example, if a plan has a low funded status and subsequently receives a large cash infusion, the plan's ratio of MVA to payroll will increase immediately after receiving those proceeds. Conversely, a plan with no assets would have a metric of 0 (i.e., if nothing is invested, there is no investment risk), but an unfunded plan provides little to no security for the participants' benefits.

As of December 31, 2022, there were 681 employers with non-zero payroll. The median ratio of the market value of assets to payroll was 5.0. The median ratio varied considerably depending on whether or not the plan as a whole had all divisions open to new hires (and therefore a growing payroll), all divisions closed to new hires (and therefore a declining payroll), or mixed. If a plan is closed or mixed, the plan payroll may not be representative of the employer as a whole and may result in higher MVA to payroll measures. The median ratio was 3.8 for plans with all open divisions and 10.1 for plans with all divisions closed, over twice as high.

**Chart 9: Distribution of Market Value of Assets over Payroll**



**MVA/Payroll - Current Year**

	<u>Count</u>	<u>Median</u>
Closed Employer <sup>1</sup>	13	N/A
Open Employer, All Divisions Open	237	3.8
Open Employer, All Divisions Closed	204	10.1
Open Employer, Mix of Open and Closed Divisions	240	5.0
Subtotal	694	5.0
No Payroll <sup>1</sup>	52	N/A
Total	746	5.0

<sup>1</sup> Employers with no payroll were excluded from the chart.

**MVA/Payroll - History**

	<u>Median</u>				
	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>
Closed Employer	N/A	N/A	N/A	N/A	N/A
Open Employer, All Divisions Open	3.8	4.6	4.1	3.7	3.4
Open Employer, All Divisions Closed	10.1	12.2	10.7	10.7	9.3
Open Employer, Mix of Open and Closed Divisions	5.0	5.9	5.2	4.9	4.6
Subtotal	5.0	5.9	5.3	4.8	4.4

## Actuarial Accrued Liability over Payroll

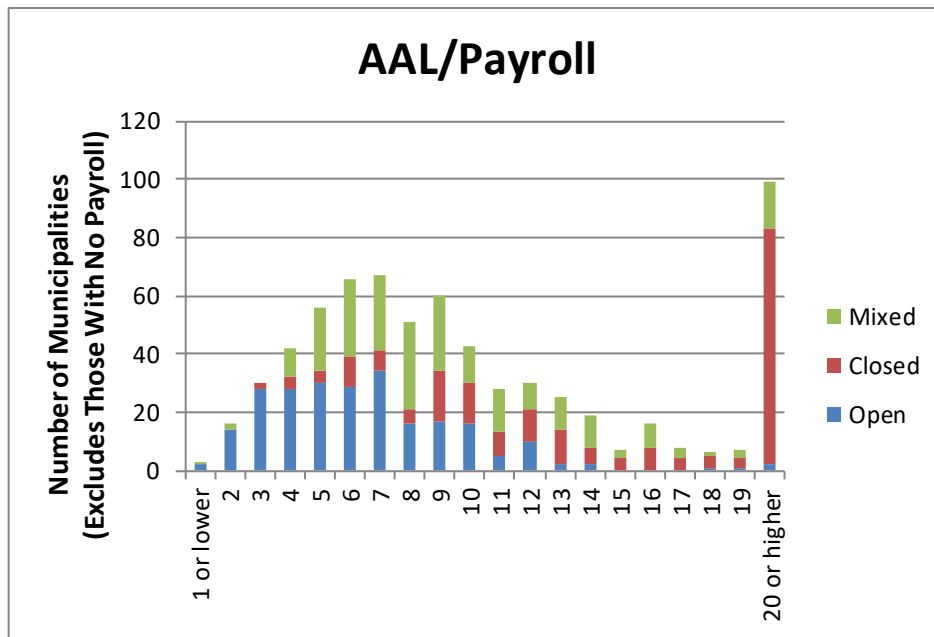
The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

Similar to the ratio of MVA to payroll described previously, as a plan matures and liability accumulates, the ratio of AAL to payroll generally increases. For plans that have a large portion of retirees or a declining payroll (e.g., if the plan is closed to new hires), this ratio can get quite high. This measure is not provided for plans with no active payroll.

The ratio of the AAL to payroll gives an indication of ultimate investment risk borne by the plan sponsor when the plan is fully funded (similar to the ratio of MVA to payroll). Moreover, this ratio gives an indication of other liability risks borne by the plan sponsor. For example, if the ratio of AAL over payroll is 3.0 and the plan experiences 1% change in liability from expected in a given year, the resulting liability gain or loss would be 3% of payroll. The greater the ratio, the greater the impact of gains and losses on plan funding. Differences in experience are generally funded by employer contributions under the MERS Actuarial Policy.

As of December 31, 2022, there were 681 employers with non-zero payroll. The median ratio of the actuarial accrued liability to payroll was 8.2. The median ratio varied considerably depending on whether or not the plan as a whole had all divisions open to new hires (and therefore a growing payroll), all divisions closed to new hires (and therefore a declining payroll), or mixed. If a plan is closed or mixed, the plan payroll may not be representative of the employer as a whole and may result in higher AAL to payroll measures. The median ratio was 5.6 for plans with all open divisions and 14.7 for plans with all divisions closed, over twice as high.

**Chart 10: Distribution of Actuarial Accrued Liability over Payroll**



**AAL/Payroll - Current Year**

	<u>Count</u>	<u>Median</u>
Closed Employer <sup>1</sup>	13	N/A
Open Employer, All Divisions Open	237	5.6
Open Employer, All Divisions Closed	204	14.7
Open Employer, Mix of Open and Closed Divisions	240	8.1
Subtotal	694	8.2
No Payroll <sup>1</sup>	52	N/A
Total	746	8.2

<sup>1</sup> Employers with no payroll were excluded from the chart.

**AAL/Payroll - History**

	<u>Median</u>				
	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>
Closed Employer	N/A	N/A	N/A	N/A	N/A
Open Employer, All Divisions Open	5.6	5.4	5.3	5.1	5.0
Open Employer, All Divisions Closed	14.7	15.1	14.0	14.5	13.4
Open Employer, Mix of Open and Closed Divisions	8.1	8.1	8.0	7.8	7.8
Subtotal	8.2	8.1	7.7	7.2	6.8



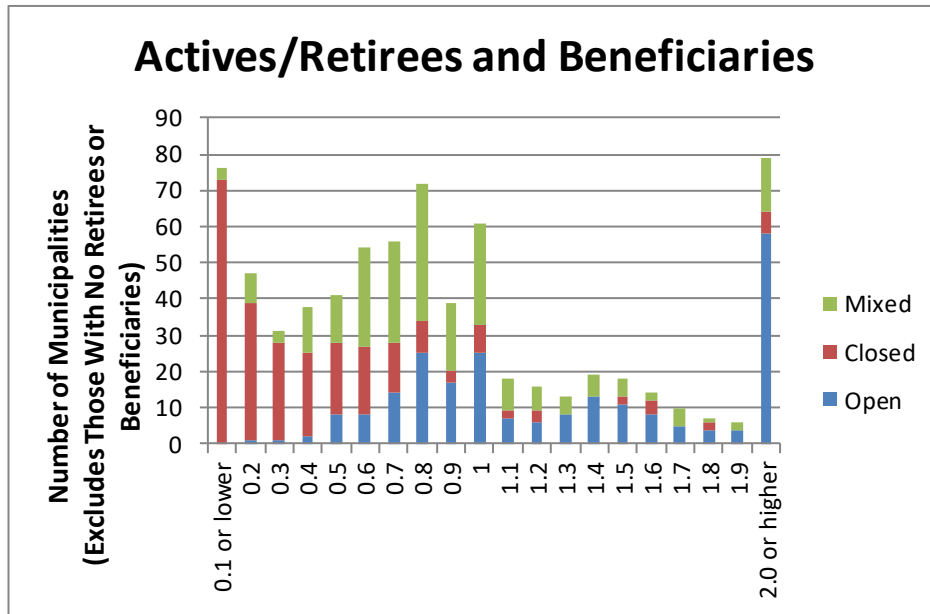
## Actives over Retirees and Beneficiaries

A young plan with many active participants and few retirees will have a high ratio of actives to retirees. A mature open plan may have close to the same number of actives to retirees resulting in a ratio near 1.0. A super-mature or closed plan may have significantly more retirees than actives resulting in a ratio below 1.0.

Very generally speaking, a higher ratio indicates that there are more participants “paying in” to the system than “drawing out” of the system. For purposes of actuarial funding as a percentage of payroll, plans with a higher ratio may be expected to have a relatively larger payroll base and consequently may experience less contribution volatility as a percentage of payroll than a plan with a low ratio.

As of December 31, 2022, there were 730 employers with a non-zero retiree and beneficiary count. The median ratio of actives to retirees and beneficiaries was 0.7. The median ratio varied depending on whether or not the plan as a whole had all divisions open to new hires (and therefore a more stable number of actives), all divisions closed to new hires (and therefore a declining active headcount), or mixed. If a plan is closed or mixed, the number of actives may not be representative of the employer as a whole and may result in lower active to retiree and beneficiary measures. The median ratio was 1.2 for plans with all open divisions and 0.3 for plans with all divisions closed, almost a third as high.

**Chart 11: Distribution of Actives over Retirees and Beneficiaries**



**Actives/Retirees and Beneficiaries - Current Year**

	Count	Median
Closed Employer	13	0.0
Open Employer, All Divisions Open	225	1.2
Open Employer, All Divisions Closed	253	0.3
Open Employer, Mix of Open and Closed Divisions	239	0.8
Subtotal	730	0.7
No Retirees and Beneficiaries <sup>1</sup>	16	N/A
Total	746	0.7

<sup>1</sup> Employers with no retirees or beneficiaries were excluded from the chart.

**Actives/Retirees and Beneficiaries - History**

	Median				
	2022	2021	2020	2019	2018
Closed Employer	0.0	0.0	0.0	0.0	0.0
Open Employer, All Divisions Open	1.2	1.2	1.3	1.4	1.3
Open Employer, All Divisions Closed	0.3	0.3	0.3	0.3	0.3
Open Employer, Mix of Open and Closed Divisions	0.8	0.8	0.8	0.8	0.8
Subtotal	0.7	0.7	0.8	0.9	0.9

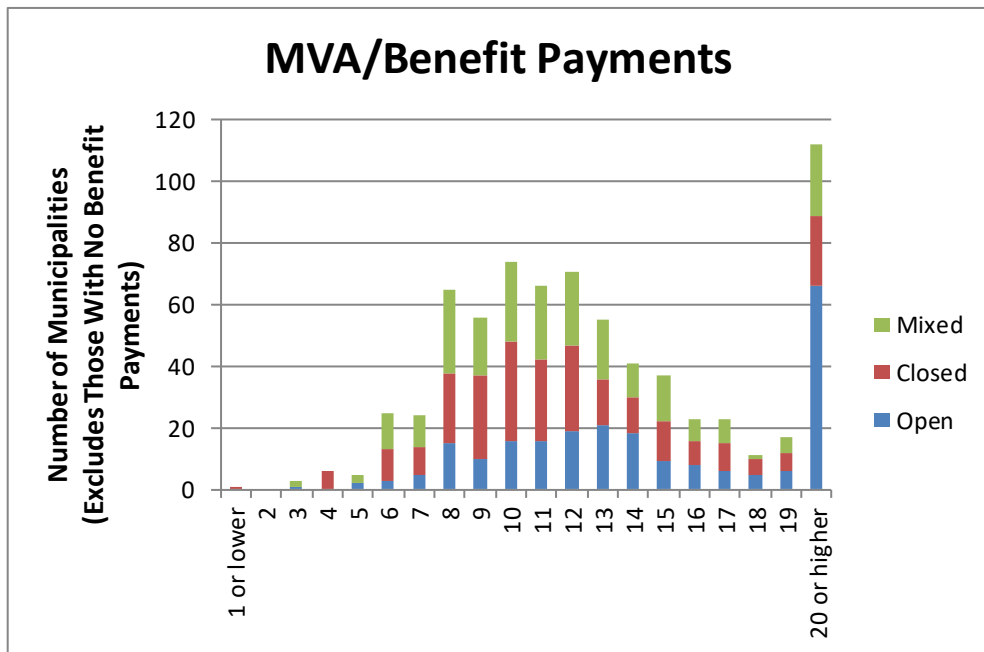
## Market Value of Assets over Benefit Payments

The MERS' Actuarial Policy requires a total minimum contribution equal to the excess (if any) of three times the expected annual benefit payments over the projected market value of assets as of the participating municipality or court's Fiscal Year for which the contribution applies. The ratio of market value of assets to benefit payments as of the valuation date provides an indication of whether the division is at risk for triggering the minimum contribution rule in the near term. If the division triggers this minimum contribution rule, the required employer contributions could increase dramatically relative to previous valuations.

Very generally speaking, this ratio indicates how many years of benefits could be paid from assets at the current amount assuming no future contributions or investment return. Under the current actuarial assumptions, a fully funded, one-person plan with a 60-year-old retiree with a straight life annuity would have a ratio of approximately 11.4. In this scenario, the assets would be sufficient to pay this retiree's benefit for the rest of his or her life if all assumptions are met, including achieving a 7.00% rate of return each year and surviving each year as expected under the mortality assumption. Different plans may have higher or lower ratios; however, plans with a very low ratio are generally at increased risk of failing to pay benefits without a potentially significant increase in contributions.

As of December 31, 2022, there were 730 employers with non-zero benefit payments. The median ratio of MVA to benefit payments was 11.4. The median ratio varied depending on whether or not the plan as a whole had all divisions open to new hires (and therefore a more stable number of actives), all divisions closed to new hires (and therefore a larger portion of retirees), or mixed. If a plan is closed or mixed, the plan may be maturing, mature, or super mature. The median ratio was 13.2 for plans with all open divisions and 10.8 for plans with all closed divisions.

**Chart 12: Distribution of Market Value of Assets to Benefit Payments**



**MVA/Benefit Payments - Current Year**

	<u>Count</u>	<u>Median</u>
Closed Employer	13	11.9
Open Employer, All Divisions Open	226	13.2
Open Employer, All Divisions Closed	253	10.8
Open Employer, Mix of Open and Closed Divisions	238	10.7
Subtotal	730	11.4
No Benefit Payments <sup>1</sup>	16	N/A
Total	746	11.4

<sup>1</sup> Employers with no benefit payments were excluded from the chart.

**MVA/Benefit Payments - History**

	<u>Median</u>				
	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>
Closed Employer	11.9	14.2	14.2	13.4	12.4
Open Employer, All Divisions Open	13.2	16.3	15.2	14.0	13.0
Open Employer, All Divisions Closed	10.8	12.5	11.8	11.4	11.0
Open Employer, Mix of Open and Closed Divisions	10.7	12.7	11.8	11.0	9.9
Subtotal	11.4	13.7	12.8	12.2	11.4

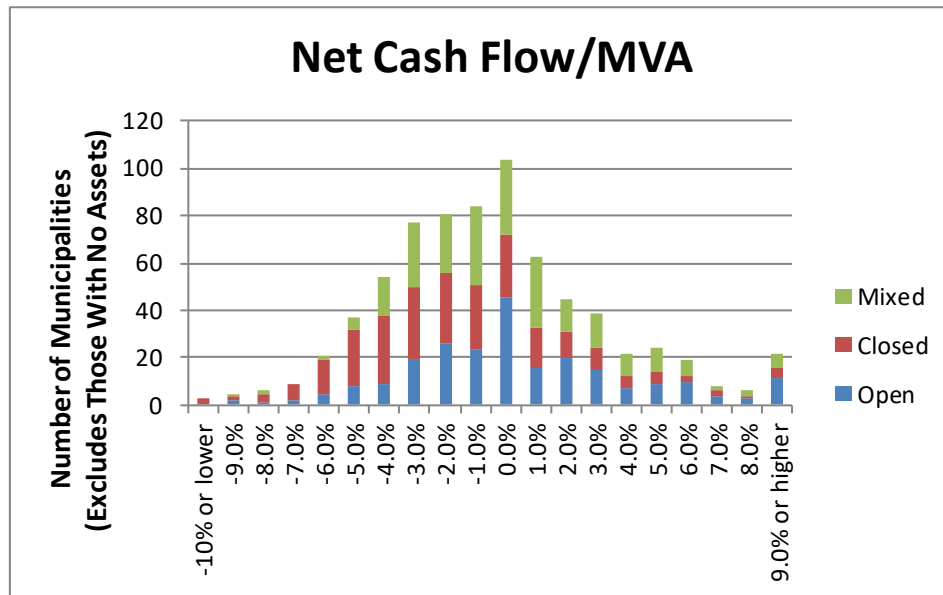
## Net Cash Flow as a Percent of Market Value of Assets

The ratio of the net cash flow as a percent of the Market Value of Assets (MVA) gives a rough indication of the drawdown of assets disregarding investment return and expense. Net cash flow is defined as employer and employee contributions minus benefit payments. Ultimately, the purpose of prefunding is to have the return on plan assets pay a portion of the benefits each year. In other words, the expectation is that in the long run the net cash flow will be negative as a percent of MVA. A young plan may be receiving more contributions than paying benefits during the accumulation phase of plan funding and therefore may have a positive net cash flow as a percent of assets. Similarly, a mature or super-mature plan may be paying out more in benefits and have a negative ratio of net cash flow as a percent of assets.

In general, if the ratio of net cash flow as a percent of MVA is more negative than the rate of return in the plan, the assets will decrease. A large, negative net cash flow may indicate increased risk of the sufficiency of plan assets to pay benefits when due. For example, a plan with a ratio of net cash flow over MVA of -10.00% that achieves a 7.00% rate of return for the year would experience a decline in assets of 3.00% (7.00% - 10.00%).

As of December 31, 2022, the median ratio of net cash flow to MVA was -1.2%. The median ratio varied depending on whether or not the plan as a whole had all divisions open to new hires, all divisions closed to new hires, or mixed. If a plan is closed or mixed, the plan may be maturing, mature, or super mature. The median ratio was -0.5% for plans with all open divisions, -2.5% for plans with all divisions closed, and -6.9% for all closed municipalities.

**Chart 13: Distribution of Net Cash Flow as a Percent of Market Value of Assets**



**Net Cash Flow/MVA - Current Year**

	<u>Count</u>	<u>Median</u>
Closed Employer	13	-6.9%
Open Employer, All Divisions Open	236	-0.5%
Open Employer, All Divisions Closed	255	-2.5%
Open Employer, Mix of Open and Closed Divisions	240	-0.7%
Subtotal	744	-1.2%
No beginning of year assets <sup>1</sup>	2	N/A
Total	746	-1.2%

<sup>1</sup> Employers with no beginning of year assets in MERS (such as new plans) were excluded from the chart.

**Net Cash Flow/MVA - History**

	<u>Median</u>				
	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>
Closed Employer	-6.9%	-7.3%	-7.3%	-7.2%	-7.0%
Open Employer, All Divisions Open	-0.5%	-0.7%	-0.9%	-1.2%	-1.0%
Open Employer, All Divisions Closed	-2.5%	-2.0%	-2.6%	-2.6%	-2.5%
Open Employer, Mix of Open and Closed Divisions	-0.7%	-1.1%	-1.5%	-1.6%	-1.8%
Subtotal	-1.2%	-1.4%	-1.7%	-1.9%	-1.8%

## **APPENDICES**

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### **MUNICIPAL EMPLOYEES' RETIREMENT SYSTEM OF MICHIGAN**

#### **DECEMBER 31, 2022 VALUATION - RESULTS BY MUNICIPALITY**

# MERS December 31, 2022 Valuation - Results by Municipality

## Appendix A: Participant Information

Municipality Name	Number	Participant Information							
		Number of Divisions	Fiscal Year Beginning	Number of Actives	Annual Salary	Number of Retirees	Annual Benefit in Force	Number of Vested Former	Annual Deferred Benefits
21st Dist Ct	8243	1	7/1/2022	8	388,148	8	200,459	2	26,554
23rd Jud Dist Ct	8223	1	7/1/2022	3	157,019	13	308,041	3	64,527
26th Jud Cir Ct	0403	1	1/1/2022	13	558,564	29	349,670	14	57,137
34th Dist Ct	8235	1	7/1/2022	25	1,417,367	21	698,194	9	155,576
35th Dist Ct	8234	2	1/1/2022	15	844,569	16	458,695	2	16,506
41 B Dist Ct	5014	3	1/1/2022	26	1,266,318	42	775,409	8	100,382
Addison Fire and EMS	4607	1	4/1/2022	0	0	1	42,794	1	15,481
Adrian, City of	4601	13	7/1/2022	86	5,879,891	163	4,838,263	22	378,844
Aitkin Memorial Dist Lib	7407	1	7/1/2022	0	0	0	0	1	22,644
Albion, City of	1301	6	1/1/2022	9	597,646	95	1,170,029	12	103,069
Alcona Co	0101	9	1/1/2022	38	1,789,813	70	1,170,802	9	68,462
Alger Co	0203	17	1/1/2022	29	1,459,877	42	971,834	3	33,899
Alger CRC	0201	3	1/1/2022	25	1,731,390	37	826,288	2	34,008
Algonac, City of	7707	3	7/1/2022	3	183,789	28	533,996	11	129,692
Allegan Co	0302	15	1/1/2022	33	2,879,961	275	5,271,039	40	423,831
Allegan CRC	0301	5	1/1/2022	65	4,171,278	76	1,934,103	1	16,355
Allegan, City of	0309	4	7/1/2022	7	621,291	10	360,443	5	72,032
Alma, City of	2901	7	7/1/2022	77	3,628,532	90	1,868,709	11	201,392
Almont, Vlg of	4407	6	7/1/2022	15	923,136	9	207,791	6	88,335
Alpena Co	0401	11	1/1/2022	70	3,174,205	144	2,011,844	32	311,143
Alpena CRC	0402	1	1/1/2022	9	539,734	41	1,010,989	1	7,490
Alpena HC	0406	1	1/1/2022	6	386,054	4	140,584	0	0
Alpena Sr Citizens Ctr	0404	1	10/1/2022	0	0	5	74,033	0	0
Alpha, Vlg of	3614	1	4/1/2022	0	0	1	810	2	6,263
Antrim Co	0502	6	1/1/2022	196	11,044,483	263	3,334,277	85	745,869
Antrim CRC	0501	4	1/1/2022	26	1,387,999	46	1,018,005	2	20,798
Arenac Co	0603	10	1/1/2022	18	865,811	79	959,897	15	99,778
Arenac CRC	0604	6	1/1/2022	18	1,019,288	32	541,279	1	8,158
Armada Twp	5022	1	4/1/2022	11	639,728	0	0	0	0
Ash Twp	5804	1	4/1/2022	4	199,996	3	70,990	2	7,708
Au Gres, City of	0602	2	4/1/2022	0	0	10	239,348	0	0
Auburn, City of	0905	3	7/1/2022	0	0	6	133,872	1	1,389
Bad Axe Area Dist Lib	3214	1	7/1/2022	1	47,651	1	21,378	0	0
Bad Axe, City of	3211	1	7/1/2022	21	1,309,622	25	690,997	0	0
Bancroft, Vlg of	7610	1	3/1/2022	0	0	1	7,884	1	6,352
Bangor, City of	8003	1	7/1/2022	12	583,393	17	131,590	17	34,886
Baraga Co	0702	2	1/1/2022	23	1,171,311	36	550,898	12	130,117
Baraga Co Memorial Hosp	0703	5	10/1/2022	26	1,560,079	139	1,751,200	29	213,962
Baraga CRC	0701	10	10/1/2022	20	1,025,491	29	500,139	2	18,110
Baraga, Vlg of	0704	4	3/1/2022	11	594,543	13	301,255	2	4,449
Baroda Lake Twp Police Dept	1109	2	1/1/2022	8	592,599	2	30,442	2	6,815
Barry Co	0802	16	1/1/2022	387	21,028,064	294	5,060,081	119	1,242,182
Barry Co CMH Auth	0804	1	10/1/2022	81	4,445,833	20	557,650	19	231,807
Barry Eaton Dist Hlth Dept	2303	2	1/1/2022	35	1,749,360	112	1,744,867	28	281,954
Barton Hills, Vlg of	8107	1	4/1/2022	1	51,876	2	51,644	0	0
Bates Twp	3616	1	4/1/2022	0	0	1	27,441	0	0
Bath Chtr Twp	1909	1	1/1/2022	28	1,968,796	15	461,677	4	127,805
Battle Creek, City of	1302	18	7/1/2022	328	20,097,332	443	11,981,971	54	850,501
Bay Area Trans Auth	2810	2	10/1/2022	80	4,153,592	67	464,796	18	145,184
Bay City HC	0906	1	10/1/2022	2	87,590	23	710,154	0	0
Bay City, City of	0901	7	7/1/2022	16	950,055	272	6,401,652	9	116,419
Bay Metro Trans Auth	0907	7	10/1/2022	83	4,174,185	92	1,377,207	7	53,180
Beecher Metro Dist Swg&Wtr	2501	2	7/1/2022	3	232,333	15	479,197	1	15,164
Belding, City of	3410	3	7/1/2022	5	312,350	7	196,675	6	29,041
Belleville, City of	8213	5	7/1/2022	15	836,403	25	535,433	5	23,725
Benton Harbor, City of	1120	4	7/1/2022	46	2,217,018	81	2,258,900	12	101,680
Benzie Co	1003	10	10/1/2022	61	3,266,060	100	1,431,275	37	333,340
Benzie Co Comm on Aging CLD	1006	1	10/1/2022	0	0	9	97,625	4	18,311
Benzie Co MCF (The Maples)	1004	3	1/1/2022	71	3,457,496	76	678,838	28	181,133
Benzie CRC	1001	5	1/1/2022	30	1,385,782	47	695,327	13	86,249
Benzie Shores Dist Lib	1005	1	7/1/2022	0	0	1	32,768	0	0
Benzie Trans Auth	1007	1	10/1/2022	6	304,289	8	38,840	1	7,578
Benzie/Leelanau Dist Hlth Dept	4504	1	10/1/2022	2	136,663	2	55,477	0	0
Berkley, City of	6304	5	7/1/2022	42	2,408,210	77	1,720,802	12	172,647
Berrien Springs, Vlg of	1102	2	7/1/2022	11	515,445	11	129,319	4	33,183
Bessemer, City of	2702	2	7/1/2022	11	579,616	15	196,351	2	27,078
Beverly Hills, Vlg of	6321	4	7/1/2022	9	874,311	61	2,045,479	11	203,098
Big Rapids HC	5406	1	4/1/2022	0	0	8	243,072	0	0
Big Rapids, City of	5402	2	7/1/2022	6	379,833	53	1,259,332	3	24,322
Bingham Farms, Vlg of	6332	2	7/1/2022	1	94,029	2	45,260	1	1,410
Birch Run, Vlg of	7315	3	7/1/2022	16	803,974	5	85,473	5	21,850
Bishop Intl Arprt Auth	2507	1	1/1/2022	8	613,502	31	857,738	3	111,521
Blackman Chtr Twp	3806	1	1/1/2022	44	3,589,410	16	559,750	3	75,011
Blissfield, Vlg of	4606	1	7/1/2022	26	1,396,750	13	300,637	12	76,579
Bloomfield Hills, City of	6302	8	7/1/2022	15	1,629,961	50	2,778,595	5	131,380
Blue Water Area Trans Comm	7709	2	10/1/2022	63	3,258,784	33	722,862	9	71,232
Boyer City HC	1508	2	10/1/2022	5	248,725	5	71,199	2	20,457





## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix A: Participant Information

Municipality Name	Number	Participant Information							
		Number of Divisions	Fiscal Year Beginning	Number of Actives	Annual Salary	Number of Retirees	Annual Benefit in Force	Number of Vested Former	Annual Deferred Benefits
Boyne City, City of	1506	3	5/1/2022	6	459,962	39	700,006	4	40,218
Branch Co	1205	22	1/1/2022	260	14,516,936	225	3,854,561	189	2,127,829
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	2	1/1/2022	21	1,127,922	75	1,133,860	21	225,142
Brandon Chtr Twp of	6333	3	1/1/2022	35	2,054,738	27	549,539	2	15,510
Breckenridge,Vlg of	2906	3	3/1/2022	7	397,886	9	180,935	10	56,458
Bridgeport Chtr Twp	7307	7	1/1/2022	36	1,984,228	47	682,253	22	198,361
Bridgman, City of	1110	2	7/1/2022	15	940,774	11	169,916	5	38,007
Briggs Dist Lib	1915	2	7/1/2022	0	0	3	52,419	0	0
Brighton Area Fire Auth	4715	1	7/1/2022	0	0	2	51,910	0	0
Brighton, Chtr Twp of	4711	8	4/1/2022	12	778,687	11	112,298	4	33,391
Brighton, City of	4704	8	7/1/2022	41	3,384,010	51	1,666,772	13	185,920
Britton, Vlg of	4604	1	3/1/2022	3	90,516	0	0	1	5,001
Bronson, City of	1204	3	7/1/2022	11	677,121	8	122,044	4	37,430
Brooklyn, Vlg of	3801	1	11/1/2022	8	426,688	4	90,443	2	27,035
Brownstown, Chtr Twp of	8247	3	1/1/2022	66	4,988,744	26	1,449,026	6	83,354
Buchanan Dist Lib	1108	1	7/1/2022	2	78,157	4	33,874	2	8,329
Buchanan, City of	1101	3	7/1/2022	30	1,926,808	38	631,237	9	111,869
Buena Vista Chtr Twp	7312	10	1/1/2022	22	1,227,043	37	989,221	13	126,436
Burton, City of	2508	6	7/1/2022	83	4,800,550	103	4,054,602	29	386,967
Butman Twp CLD	2604	1		0	0	3	7,287	0	0
Cadillac, City of	8301	7	7/1/2022	55	2,979,027	79	1,103,269	9	178,116
Cadillac/Wexford Trans Auth	8305	2	10/1/2022	12	680,617	15	185,725	0	0
Calhoun Co	1311	7	1/1/2022	398	24,898,944	379	7,302,393	117	1,406,080
Calhoun Co Conso Disp Auth	1316	4	1/1/2022	6	447,042	13	490,227	3	46,811
Canton Pub Lib	8232	2	1/1/2022	9	698,488	15	438,339	2	21,265
Canton, Chtr Twp of	8233	19	1/1/2022	373	32,353,520	207	9,575,332	40	510,876
Capac, Vlg of	7705	4	7/1/2022	0	0	20	228,782	4	37,701
Capital Area Dist Lib	3317	4	1/1/2022	55	3,476,571	35	607,707	13	113,832
Capital Region Arprt Auth	3305	11	7/1/2022	39	2,397,002	51	1,344,963	25	236,148
Carleton, Vlg of	5805	1	3/1/2022	6	264,207	7	124,627	2	11,092
Carrrollton Twp	7320	3	4/1/2022	20	867,397	12	232,709	5	76,240
Cascade Chtr Twp	4110	1	1/1/2022	15	946,175	38	848,749	4	55,747
Caseville, City of	3207	2	3/1/2022	10	605,907	9	180,115	2	33,535
Caspian, City of	3608	1	7/1/2022	2	125,844	7	86,689	1	1,492
Cass Co	1402	14	10/1/2022	135	7,495,978	129	2,301,984	32	385,216
Cass Co MCF	1403	2	10/1/2022	104	6,706,605	49	454,639	7	50,166
Cass Dist Lib	1404	1	1/1/2022	10	410,494	8	58,887	5	23,335
Cedar Springs, City of	4105	4	7/1/2022	10	546,897	14	209,973	12	102,060
Center Line, City of	5001	7	7/1/2022	9	500,091	45	779,997	4	21,077
Central Lake, Vlg of	0504	1	3/1/2022	6	285,907	1	13,908	2	6,559
Central Mich Dist Hlth Dept	3705	6	10/1/2022	18	1,056,455	121	1,903,242	34	272,770
Charlevoix Co	1503	9	1/1/2022	226	12,007,507	263	3,875,872	80	907,515
Charlevoix CRC	1501	3	1/1/2022	37	1,766,845	42	692,705	7	48,442
Charlevoix, City of	1505	4	4/1/2022	45	3,063,855	49	1,163,319	6	61,089
Charlotte Comm Lib	2309	4	7/1/2022	5	210,402	7	94,503	1	2,057
Charlotte, City of	2301	11	7/1/2022	46	3,008,089	78	1,811,835	11	79,372
Cheboygan Co	1603	6	1/1/2022	136	6,870,241	116	1,992,653	24	340,735
Cheboygan CRC	1601	3	1/1/2022	21	1,146,147	65	1,680,183	4	43,186
Cheboygan, City of	1602	6	7/1/2022	28	1,718,375	42	951,123	7	28,140
Chelsea Area Fire Auth	8118	1	3/1/2022	13	954,737	2	41,846	4	33,832
Chelsea, City of	8103	3	7/1/2022	2	217,922	37	1,065,114	5	86,928
Chesaning, Vlg of	7313	5	3/1/2022	16	858,795	16	282,124	6	44,446
Chesterfield Twp	5009	8	1/1/2022	154	10,270,580	100	2,968,569	22	303,452
Chesterfield Twp Lib	5010	1	1/1/2022	9	523,598	4	85,859	3	31,761
Chikaming Twp	1112	2	4/1/2022	16	873,895	10	192,909	5	28,138
Chippewa Co	1703	14	1/1/2022	157	8,409,656	202	3,574,756	41	306,436
Chippewa Co - Emplmt & Trng CLD	1710	1		0	0	13	153,016	0	0
Chippewa CRC	1704	2	1/1/2022	62	3,792,829	89	1,517,619	4	45,221
Chippewa River Dist Lib	3707	4	1/1/2022	14	859,027	8	186,236	5	49,476
Chocoley, Chtr Twp of	5218	1	1/1/2022	12	731,789	9	124,144	4	23,397
Clare Co	1802	6	1/1/2022	126	5,845,676	108	1,601,265	44	434,020
Clare Co Trans Auth	1806	1	10/1/2022	3	191,118	1	8,895	1	1,368
Clare CRC	1801	5	7/1/2022	30	1,749,913	48	958,641	6	88,664
Clare, City of	1804	3	7/1/2022	28	1,587,711	31	667,589	8	108,766
Clawson, City of	6305	3	7/1/2022	3	249,090	63	2,272,211	3	47,943
Clay Twp	7706	8	7/1/2022	29	1,950,554	33	657,031	6	93,249
Clearwater Twp	4005	1	4/1/2022	0	0	1	12,217	1	8,834
Clinton Co	1903	7	1/1/2022	67	4,515,805	210	4,381,484	30	343,476
Clinton CRC	1901	6	1/1/2022	41	2,475,746	62	1,797,538	7	128,250
Clinton Twp	5002	26	4/1/2022	146	9,641,921	228	6,441,984	16	200,741
Clinton, Vlg of	4602	5	4/1/2022	17	1,202,860	21	428,735	1	21,086
Clinton-Eaton-Ingham CMH	3308	8	10/1/2022	888	56,419,767	620	13,732,835	161	2,091,321
Clio, City of	2523	1	7/1/2022	12	701,209	14	146,669	6	40,609
CMH for Central Mich	3708	1	10/1/2022	428	27,142,623	310	5,588,414	131	1,489,799
Coldwater Brd of Pub Util	1203	3	7/1/2022	7	595,761	36	1,042,958	5	91,238
Coldwater, City of	1201	6	7/1/2022	5	428,021	55	1,446,079	5	67,118
Coleman, City of	5603	2	7/1/2022	5	297,831	9	250,962	1	311



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		Number of Divisions	Fiscal Year Beginning	Number of Actives	Annual Salary	Number of Retirees	Annual Benefit in Force	Number of Vested Former	Annual Deferred Benefits
Coloma Chtr Twp	1107	4	4/1/2022	12	756,918	5	156,303	3	81,791
Coloma, City of	1118	1	4/1/2022	5	237,743	3	71,066	0	0
Columbiaville, Vlg of	4406	1	3/1/2022	4	208,030	4	26,838	1	6,610
Constantine, Vlg of	7806	1	4/1/2022	5	281,465	0	0	4	23,125
Coopersville Area Dist Lib	7011	3	7/1/2022	0	0	4	53,175	1	2,501
Coopersville, City of	7005	1	7/1/2022	18	1,030,986	18	235,314	6	71,168
Corunna City of	7604	6	7/1/2022	13	740,325	19	419,097	3	35,636
Corwith Twp	6904	1	4/1/2022	7	103,329	1	487	1	3,009
Covert Twp	8010	1	7/1/2022	14	794,224	3	78,401	9	76,149
Crawford Co	2001	7	10/1/2022	19	1,067,545	98	1,690,716	16	216,604
Crawford Co Trans Auth	2004	1	10/1/2022	12	614,173	18	343,599	3	39,282
Crawford CRC	2002	3	10/1/2022	28	1,607,090	35	703,655	2	24,205
Croswell, City of	7401	3	7/1/2022	24	1,536,290	29	815,881	8	124,193
Crystal Falls Cmnty Hosp CLD	3618	2		0	0	78	313,332	20	22,531
Crystal Falls, City of	3603	5	1/1/2022	12	824,203	27	652,309	8	36,566
Ctrl Wayne Co Sanitation Auth	8214	2	7/1/2022	0	0	15	231,891	1	10,404
Davison Richfield Sr CCA	2525	2	7/1/2022	1	54,080	1	28,339	0	0
Davison Twp	2519	2	7/1/2022	40	2,453,070	25	938,428	6	98,123
Davison, City of	2516	6	7/1/2022	19	1,056,744	25	918,903	4	58,341
Dearborn, City of	8251	3	7/1/2022	231	19,728,631	1	52,444	6	87,637
Deerfield, Vlg of	4603	1	3/1/2022	5	232,023	5	135,385	2	47,563
Delta Area Transit Auth	2107	1	10/1/2022	1	95,420	0	0	0	0
Delta Chtr Twp	2306	1	1/1/2022	43	3,450,853	27	1,025,005	9	136,912
Delta Co	2102	9	10/1/2022	26	1,599,061	123	2,881,763	16	198,877
Delta CRC	2105	6	1/1/2022	37	1,980,841	50	973,163	4	61,165
Delta-Menominee Dist Hlth Dept	2103	4	1/1/2022	37	1,609,842	48	703,570	25	217,459
Detour, Vlg of	1706	1	4/1/2022	5	215,331	7	41,087	2	14,946
Detroit HC	8241	6	7/1/2022	53	3,030,737	56	1,080,365	61	741,648
DeWitt Chtr Twp	1910	4	1/1/2022	12	960,673	10	402,229	4	56,793
DeWitt, City of	1908	6	7/1/2022	17	1,101,027	21	346,742	13	108,390
Dexter Area Fire Dept	8219	1	1/1/2022	8	693,566	3	48,136	0	0
Dexter Twp	8111	2	4/1/2022	0	0	14	113,103	3	6,886
Dexter, City of	8217	2	7/1/2022	6	479,783	12	288,685	2	18,578
Dickinson Co	2206	10	1/1/2022	52	3,007,848	103	2,586,976	21	276,221
Dickinson CRC	2203	3	1/1/2022	12	744,519	43	823,705	7	63,261
Dickinson-Iron Dist Hlth Dept	3605	5	1/1/2022	13	775,385	59	801,497	7	91,836
Dimondale, Vlg of	2304	2	3/1/2022	1	48,842	5	85,857	1	15,341
Dist Hlth Dept # 4	7103	2	1/1/2022	45	2,031,815	70	1,759,754	15	58,690
Dist Hlth Dept #10	5104	2	10/1/2022	183	9,406,904	125	2,508,877	32	168,163
Dist Hlth Dept #2	6501	2	1/1/2022	6	309,127	42	659,569	6	67,086
Douglas, City of Vlg of	0303	3	7/1/2022	14	830,422	19	215,068	13	139,446
Dowagiac Dist Lib	1406	2	10/1/2022	3	136,597	2	9,535	0	0
Dowagiac HC	1405	2	10/1/2022	5	229,936	3	22,295	2	4,712
Dowagiac, City of	1401	6	10/1/2022	35	2,135,478	80	1,785,499	19	329,419
Drummond Island Twp	1708	1	4/1/2022	2	74,198	1	2,434	0	0
Dryden, Vlg of	4405	1	4/1/2022	1	50,274	2	13,299	1	18,604
Dundee, Vlg of	5803	1	3/1/2022	10	564,417	14	341,468	4	74,052
Durand, City of	7603	5	7/1/2022	23	1,105,042	25	515,869	10	108,793
E UP Reg Planning & Dev Comm	1709	1	10/1/2022	5	262,420	0	0	0	0
E UP Trans Auth	1705	3	10/1/2022	22	1,296,537	30	841,382	3	23,182
East China Chtr Twp	7701	3	1/1/2022	12	823,984	18	695,220	3	62,007
East Jordan, City of	1504	4	7/1/2022	18	921,199	24	353,371	4	35,789
East Lansing, City of	3301	21	7/1/2022	291	18,704,952	409	15,346,146	106	1,008,460
Eastpointe HC	5011	2	7/1/2022	2	143,348	7	156,531	0	0
Eastpointe, City of	5019	13	1/1/2022	89	7,551,922	223	7,444,083	17	280,171
Eaton Co	2302	11	10/1/2022	338	18,441,741	368	11,197,045	84	1,257,755
Eaton Co Hlth & Rehab Svcs	2305	4	1/1/2022	151	8,625,256	62	666,352	25	211,352
Eaton Rapids, City of	2307	9	7/1/2022	22	1,448,720	39	1,079,780	21	225,188
Eau Claire, Vlg of	1104	2	3/1/2022	1	49,190	2	38,836	0	0
Ecorse, City of	8206	9	7/1/2022	22	1,760,227	117	3,893,433	10	122,454
Elk Rapids, Vlg of	0506	1	3/1/2022	23	1,299,324	8	186,538	4	28,543
Elkton, Vlg of	3206	2	3/1/2022	1	54,160	4	42,117	1	1,275
Elsie, Vlg of CLD	1906	1		0	0	3	12,278	0	0
Emmet CRC	2401	4	1/1/2022	6	436,132	40	1,246,423	1	1,753
Emmett, Chtr Twp	1310	2	4/1/2022	18	1,263,765	17	264,769	10	145,297
Erie, Twp of	5812	1	7/1/2022	2	108,701	0	0	1	16,286
Escanaba, City of	2101	12	7/1/2022	15	846,622	127	3,058,262	19	251,699
Essexville, City of	0903	6	7/1/2022	7	403,622	24	576,815	8	105,277
Ewart, City of	6705	4	7/1/2022	13	687,657	16	221,686	12	70,043
Farmington Cmnty Lib	6319	2	7/1/2022	4	230,627	30	807,585	2	22,675
Farmington, City of	6343	8	7/1/2022	38	2,992,027	57	1,894,748	13	180,079
Farwell, Vlg of	1805	1	3/1/2022	5	214,037	3	50,021	1	3,817
Fenton, City of	2505	12	7/1/2022	41	3,193,954	48	1,190,954	8	117,665
Ferndale HC	6345	1	1/1/2022	6	323,215	3	83,326	0	0
Ferrysburg, City of	7106	1	7/1/2022	4	280,511	13	179,188	1	3,689
Flat Rock, City of	8212	13	7/1/2022	50	3,419,796	69	2,292,750	14	201,978
Flint Pub Lib	2518	1	7/1/2022	21	1,243,740	7	67,658	8	60,176



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Flint, Chtr Twp of	2512	7	1/1/2022	63	4,414,555	58	2,549,239	12	138,695
Flint, City of	2530	19	7/1/2022	444	23,752,277	1,673	48,783,431	106	1,164,023
Flushing, Chtr Twp of	2515	4	4/1/2022	8	484,940	14	438,439	5	71,362
Flushing, City of	2502	7	7/1/2022	13	1,077,253	39	1,296,533	3	86,818
Forsyth Twp	5212	7	4/1/2022	18	1,100,040	22	543,632	11	99,709
Fowler, Vlg of	1904	2	1/1/2022	3	189,517	1	9,627	1	4,786
Fowlerville Dist Lib	4710	1	7/1/2022	2	75,290	2	55,608	1	5,416
Fowlerville, Vlg of	4705	2	2/1/2022	0	0	13	272,801	3	21,256
Frankenmuth Wickson Dist Lib	7323	2	7/1/2022	0	0	1	21,926	0	0
Frankenmuth, City of	7306	4	7/1/2022	33	2,348,360	30	1,203,000	4	96,205
Frankfort, City of	1002	4	7/1/2022	14	840,977	18	269,512	4	27,624
Franklin, Vlg of	6323	4	7/1/2022	10	776,887	14	614,566	2	21,641
Fraser, City of	5003	10	7/1/2022	50	4,214,622	126	4,761,249	21	373,368
Fremont Area Dist Lib	6209	1	7/1/2022	6	298,041	8	101,772	2	25,221
Fremont, City of	6203	5	7/1/2022	26	1,889,747	32	928,700	5	70,968
Gaastra, City of	3617	1	7/1/2022	1	72,614	2	37,381	0	0
Garden City, City of	8255	9	7/1/2022	105	6,858,020	193	7,094,690	7	114,597
Gaylord, City of	6903	7	7/1/2022	35	2,322,311	36	1,125,279	2	4,668
Genesee Chtr Twp	2510	3	1/1/2022	38	2,168,281	53	1,364,461	8	103,383
Genoa Twp	4713	2	4/1/2022	1	125,118	1	33,800	0	0
Gerald R. Ford Intl Arpt Auth	4116	2	1/1/2022	67	5,562,769	33	1,205,321	11	225,933
Gladstone, City of	2106	5	4/1/2022	4	303,167	43	1,139,463	2	9,355
Gladwin City HC	2608	2	7/1/2022	18	761,287	21	395,198	2	13,373
Gladwin Co	2602	9	1/1/2022	90	4,573,182	99	1,589,322	30	258,138
Gladwin Co Dist Lib	2607	1	1/1/2022	5	176,130	6	74,753	2	19,343
Gladwin CRC	2601	3	1/1/2022	22	1,271,391	43	1,289,723	5	70,905
Gladwin, City of	2605	2	7/1/2022	9	546,548	4	109,502	2	16,377
Gogebic-Iron WWTR Auth	2703	2	7/1/2022	6	404,098	6	202,734	0	0
Grand Beach, Vlg of	1117	1	11/1/2022	8	446,646	2	18,305	2	16,071
Grand Blanc Chtr Twp	2511	3	1/1/2022	49	3,708,293	30	1,227,005	1	28,700
Grand Blanc, City of	2513	4	6/1/2022	19	1,567,210	24	1,101,680	2	33,416
Grand Haven BLP	7026	2	7/1/2022	21	2,084,285	72	3,052,330	12	159,256
Grand Haven, City of	7010	7	7/1/2022	60	4,390,812	180	5,717,102	44	461,659
Grand Ledge Area Dist. Lib	2316	2	7/1/2022	1	81,133	0	0	0	0
Grand Ledge Area ESA	2310	1	7/1/2022	10	818,225	5	98,174	5	26,675
Grand Ledge, City of	2312	3	7/1/2022	11	666,071	8	272,769	4	33,767
Grand Rapids HC	4108	1	7/1/2022	0	0	6	224,436	0	0
Grand Traverse Co	2803	23	1/1/2022	39	2,560,264	302	7,817,702	24	287,258
Grand Traverse CRC	2802	3	1/1/2022	0	0	51	904,475	2	16,577
Grand Traverse Pavilions	2809	6	1/1/2022	175	11,126,766	254	2,684,679	169	1,203,191
Grandville, City of	4102	6	7/1/2022	6	536,159	67	1,747,929	2	12,211
Gratiot Co	2905	4	10/1/2022	18	1,191,137	112	2,311,524	6	86,967
Gratiot CRC	2903	2	1/1/2022	34	2,100,461	50	1,290,530	2	22,205
Grayling, City of	2003	5	7/1/2022	2	131,621	23	350,755	4	65,762
Green Oak Chtr Twp	4708	3	4/1/2022	44	2,896,387	22	616,203	2	27,754
Greenville, City of	5906	1	7/1/2022	15	1,128,015	14	476,204	7	122,522
Grosse Ile Twp	8207	8	4/1/2022	46	3,226,225	60	2,443,387	7	125,950
Grosse Pointe Park, City of	8201	9	7/1/2022	59	4,660,133	105	3,897,784	9	194,737
Grosse Pointe-Clinton Ref CLD	5004	2		0	0	15	209,148	1	10,330
Groveland Twp	6335	3	4/1/2022	11	520,624	11	158,922	1	1,980
Hackley Pub Lib	6114	1	7/1/2022	12	629,565	1	9,807	1	12,434
Hamburg Twp	4709	3	7/1/2022	16	1,611,558	7	240,054	6	115,479
Hamtramck HC	8250	2	1/1/2022	10	927,398	5	82,070	0	0
Hamtramck, City of	8205	11	7/1/2022	84	5,026,464	208	8,198,551	26	297,307
Hancock, City of	3107	2	7/1/2022	14	826,332	12	346,785	3	33,168
Harbor Beach, City of	3201	8	4/1/2022	20	1,284,017	22	550,088	0	0
Harbor Springs Area Swg Auth	2406	1	1/1/2022	7	465,641	7	112,306	0	0
Harbor Springs, City of	2405	1	1/1/2022	28	1,937,886	18	493,003	1	7,387
Harper Woods, City of	8260	11	1/1/2022	65	3,937,415	118	4,214,901	12	329,336
Harrison Dist Lib	1807	1	1/1/2022	0	0	2	25,119	0	0
Harrison, City of	1803	1	1/1/2022	9	417,214	13	325,807	2	27,027
Hartland Deerfield Fire Auth	4716	1	4/1/2022	3	222,260	0	0	1	19,182
Hastings, City of	0801	12	7/1/2022	49	2,356,060	83	1,396,027	31	185,221
Hazel Park, City of	6336	21	7/1/2022	101	6,940,360	173	5,656,244	20	172,164
Helen Newberry Joy Hosp	4805	1	1/1/2022	5	233,535	93	1,694,249	8	92,241
Henika Dist Lib	0310	1	1/1/2022	3	117,933	2	38,650	1	1,651
Herrick Dist Lib	7012	3	7/1/2022	15	908,800	50	661,843	7	79,315
Hesperia, Vlg of	6214	1	4/1/2022	2	66,414	0	0	4	11,450
Hiawatha Bhvrl Hlth	1707	6	10/1/2022	5	394,916	97	1,565,620	14	142,136
Hillsdale Co	3005	2	1/1/2022	24	1,498,427	22	505,776	9	143,705
Hillsdale CRC	3004	2	1/1/2022	42	2,190,687	47	902,080	5	68,549
Hillsdale HC	3007	1	7/1/2022	3	143,415	3	18,780	0	0
Hillsdale, City of	3001	8	7/1/2022	44	2,928,288	80	1,802,887	14	248,786
Hlth Source of Saginaw	7311	8	1/1/2022	55	3,990,008	335	3,686,538	69	467,331
Holland Area Cmnty Pool Auth	7014	2	7/1/2022	3	326,145	10	70,576	1	5,917
Holland Cmnty Hosp CLD	7006	1		0	0	35	132,677	0	0
Holland, City of	7001	7	7/1/2022	117	10,196,261	380	10,360,860	40	652,430



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Holly, Vlg of	6317	6	7/1/2022	14	1,029,552	37	1,098,619	10	125,289
Homer, Vlg of	1304	1	1/1/2022	9	369,702	12	112,722	12	39,958
Houghton Co	3102	10	1/1/2022	49	2,879,515	123	2,490,636	13	240,172
Houghton CRC	3103	1	1/1/2022	7	506,317	9	346,068	0	0
Houghton Lake Pub Lib	7203	2	7/1/2022	7	285,073	3	56,510	2	17,718
Houghton, City of	3109	1	7/1/2022	30	1,877,079	8	237,770	4	78,813
Howard City, Vlg of	5902	2	3/1/2022	0	0	4	46,069	5	27,672
Howard Twp	1106	1	4/1/2022	2	67,682	2	9,571	2	13,771
Howell Area Fire Auth	4714	2	7/1/2022	9	588,370	3	107,247	0	0
Howell, City of	4702	9	7/1/2022	54	3,739,305	82	2,110,955	17	275,036
Howell-Carnegie Dist Lib	4707	2	7/1/2022	11	621,661	5	88,919	2	9,445
Hudsonville, City of	7004	4	7/1/2022	0	0	12	195,259	6	65,966
Huntington Woods, City of	6303	6	7/1/2022	14	1,428,654	53	2,140,302	2	31,589
Hurley Med Ctr	2521	14	7/1/2022	1,934	126,572,508	2,141	49,676,778	208	3,614,649
Huron Bhvrl Hlth	3215	2	10/1/2022	36	2,278,515	59	1,288,555	24	346,722
Huron Chtr Twp	8224	9	1/1/2022	56	3,888,738	42	1,743,534	19	304,461
Huron Co	3204	6	1/1/2022	225	11,174,851	297	6,352,690	47	555,859
Huron CRC	3202	4	1/1/2022	39	2,332,774	66	2,117,790	7	135,196
Imlay City, City of	4404	8	7/1/2022	21	1,357,517	35	681,100	7	56,365
Independence Twp	6328	1	1/1/2022	32	2,911,563	18	797,435	7	217,836
Indianfields Twp CLD	7905	1		0	0	10	16,989	4	4,046
Ingham Co	3303	65	1/1/2022	1,217	79,656,878	1,563	36,106,447	360	4,148,353
Interurban Trans Auth	0308	1	10/1/2022	6	307,843	4	104,615	0	0
Ionia Cmnty Lib	3412	1	7/1/2022	5	227,703	4	48,470	1	14,357
Ionia Co	3408	8	1/1/2022	72	4,506,492	77	1,866,778	34	453,745
Ionia HC	3406	2	10/1/2022	3	149,135	3	109,440	0	0
Ionia, City of	3403	11	7/1/2022	47	3,517,546	61	1,673,657	10	91,845
Iosco Co	3501	9	1/1/2022	62	3,110,071	190	2,323,947	53	349,349
Iosco CRC	3502	2	1/1/2022	10	652,501	39	929,056	4	99,780
Iron Co	3606	11	1/1/2022	173	7,240,092	242	3,206,225	64	617,605
Iron Co HC	3611	1	10/1/2022	3	155,014	4	94,029	4	23,086
Iron CRC	3602	5	1/1/2022	28	1,603,055	42	976,155	2	39,313
Iron Mountain, City of	2201	7	7/1/2022	22	1,252,839	51	1,097,833	2	16,218
Iron Mountain-Kingsford Swg	2205	2	7/1/2022	5	318,933	1	28,102	1	8,881
Iron River, City of	3601	3	7/1/2022	12	608,789	35	813,358	6	70,082
Ironwood, City of	2706	11	7/1/2022	43	2,439,250	82	1,640,104	4	70,961
Isabella Co	3703	9	10/1/2022	61	3,850,834	251	4,539,756	54	632,449
Isabella Co Trans Comm	3709	1	10/1/2022	12	705,085	7	164,970	1	9,760
Isabella CRC	3702	3	10/1/2022	34	2,095,174	50	1,013,350	6	58,805
Ishpeming Area Joint Wwtr Trtm	5207	3	1/1/2022	6	383,386	7	182,937	1	3,313
Ishpeming Twp	5216	1	4/1/2022	11	342,528	8	109,052	3	15,451
Ishpeming, City of	5204	4	1/1/2022	17	940,060	44	1,294,534	4	34,242
Ithaca, City of	2904	6	7/1/2022	2	128,048	18	417,406	3	25,001
Jackson Dist Lib	3802	3	1/1/2022	52	2,770,353	48	627,839	6	46,551
Jackson Trans Auth	3805	2	10/1/2022	44	2,232,484	40	682,782	4	59,604
Jordan Valley Dist Lib	1507	1	7/1/2022	1	85,907	1	6,951	0	0
Jordan Valley EMS Auth	1509	2	4/1/2022	4	230,023	3	54,874	1	4,746
Kalamazoo Lake Swr & Wtr Auth	0306	2	3/1/2022	11	700,273	6	88,323	8	46,707
Kalamazoo Pub Lib	3903	2	7/1/2022	73	4,327,582	21	368,376	18	179,796
Kalamazoo, Chtr Twp of	3907	2	1/1/2022	32	2,199,801	22	914,595	6	145,829
Kalkaska Co	4003	8	1/1/2022	80	3,477,072	103	1,709,753	42	307,567
Kalkaska CRC	4002	4	1/1/2022	4	304,946	39	741,997	12	118,282
Kalkaska Pub Trans Auth	4004	1	10/1/2022	6	263,577	13	191,338	3	23,707
Kalkaska, Vlg of	4001	6	3/1/2022	13	847,383	17	457,512	10	58,699
Keego Harbor, City of	6322	3	7/1/2022	3	230,684	20	391,206	1	7,205
Kent CRC	4111	1	10/1/2022	0	0	2	27,202	0	0
Keweenaw Co	4202	4	1/1/2022	17	848,494	14	248,053	6	62,758
Keweenaw CRC	4201	3	1/1/2022	15	947,727	23	534,548	2	18,631
Kinde, Vlg of	3209	1	2/1/2022	0	0	2	28,862	0	0
Kingsford, City of	2202	5	7/1/2022	18	1,015,570	26	750,105	2	1,719
L.M.A.S. Dist Hlth Dept	4803	2	10/1/2022	24	1,453,388	154	759,330	66	273,923
Lac Vieux Desert Band	8402	1	1/1/2022	5	321,329	2	21,398	6	42,700
Laingsburg, City of	7608	1	7/1/2022	6	263,387	2	24,490	1	8,022
Lake Co	4301	6	1/1/2022	43	2,508,497	93	1,273,489	59	593,058
Lake CRC	4302	3	1/1/2022	32	1,653,970	41	821,674	7	98,508
Lake Linden, Vlg of	3105	2	3/1/2022	4	228,585	8	99,115	5	20,544
Lake Odessa, Vlg of	3402	1	3/1/2022	1	73,101	1	33,239	0	0
Lake Orion, Vlg of	6318	4	7/1/2022	3	199,895	18	362,940	2	12,126
Lakeland Lib Coop	4106	2	10/1/2022	9	501,782	4	60,102	3	50,652
Lakeshore Coordinating Council CLD	7007	1		0	0	11	98,703	9	40,651
Lakeview Cemetery	2407	1	1/1/2022	2	84,622	0	0	0	0
L'Anse, Vlg of	0705	2	7/1/2022	18	998,184	26	579,761	2	22,631
Lansing Chtr Twp	3320	4	1/1/2022	45	2,861,353	17	549,033	12	123,063
Lansing HC	3311	3	7/1/2022	14	845,947	45	802,061	13	112,805
Lapeer Co	4403	10	1/1/2022	689	34,226,054	492	8,415,930	165	1,895,395
Lapeer CRC	4402	9	10/1/2022	33	1,957,464	64	1,498,439	5	83,420
Lapeer Dist Lib	4410	2	1/1/2022	19	785,185	22	413,262	3	45,024



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		Number of Divisions	Fiscal Year Beginning	Number of Actives	Annual Salary	Number of Retirees	Annual Benefit in Force	Number of Vested Former	Annual Deferred Benefits
Lapeer, City of	4401	7	7/1/2022	71	4,686,466	84	2,121,880	17	172,053
Lathrup Vlg, City of	6311	5	7/1/2022	3	366,011	21	680,746	1	5,791
Laurium, Vlg of	3104	4	3/1/2022	10	398,592	18	233,909	1	796
Lawrence, Vlg of	8004	2	3/1/2022	0	0	7	13,897	2	886
Leelanau Co	4501	5	1/1/2022	113	6,624,808	113	1,995,957	16	165,125
Leelanau CRC	4503	1	1/1/2022	7	389,213	41	675,602	6	50,420
Leoni Twp	3804	4	7/1/2022	4	163,739	29	461,670	18	267,988
Leslie Twp	3319	2	7/1/2022	2	92,867	3	10,124	0	0
Leslie, City of	3313	4	7/1/2022	12	689,980	8	124,850	5	44,329
Lexington, Vlg of	7708	2	7/1/2022	4	245,459	11	219,049	1	6,290
Lima Twp	8112	1	4/1/2022	4	83,530	6	39,376	1	5,571
Lincoln Park, City of	8244	3	7/1/2022	63	3,200,420	133	3,423,076	14	191,637
Litchfield, City of	3006	2	7/1/2022	10	494,948	7	132,320	2	12,004
Livingston Co	4703	19	1/1/2022	503	33,012,993	471	10,155,995	171	1,751,993
Livingston Co CMH Auth	4712	2	10/1/2022	53	3,715,507	82	1,459,222	45	536,943
Livingston CRC	4701	5	1/1/2022	67	4,560,862	73	1,867,516	6	61,312
Looking Glass Rgnl Fire CLD	2311	1		0	0	2	13,743	1	710
Loutit Dist Lib	7013	1	7/1/2022	12	612,581	13	218,285	2	8,347
Lowell, City of	4104	5	7/1/2022	21	1,879,985	39	1,036,343	12	296,728
Luce Co	4804	10	1/1/2022	23	1,009,311	54	669,075	9	57,574
Luce Co Amb Svs	4806	1	1/1/2022	2	112,256	1	11,227	3	33,631
Luce CRC	4801	8	1/1/2022	20	1,039,246	38	947,891	2	50,478
Ludington, City of	5302	3	1/1/2022	51	2,651,331	66	1,437,501	8	114,851
Luna Pier, City of	5802	3	7/1/2022	2	108,427	13	418,218	5	30,905
Lyons, Vlg of	3411	1	3/1/2022	0	0	2	18,824	0	0
Mackinac Co	4901	4	1/1/2022	6	337,492	77	1,620,358	10	113,383
Mackinac Co HC	4905	1	7/1/2022	1	25,150	2	33,672	0	0
Mackinac CRC	4903	3	1/1/2022	7	427,153	31	694,693	0	0
Mackinac Straits Hlth Sys	4902	2	7/1/2022	270	17,594,046	126	1,899,915	45	407,769
Mackinaw City, Vlg of	1606	1	3/1/2022	8	504,553	1	29,445	1	15,066
Madison Heights, City of	6308	6	7/1/2022	25	1,643,476	139	3,333,524	19	243,572
Madison, Chtr Twp of	4605	1	1/1/2022	19	1,318,935	6	83,069	2	53,626
Manistee Co	5101	12	10/1/2022	188	8,750,049	265	4,157,765	80	533,189
Manistee Co Trans Auth	5109	1	10/1/2022	40	1,513,725	3	47,347	0	0
Manistee CRC	5103	6	10/1/2022	33	1,672,013	46	953,089	3	57,609
Manistee HC	5107	1	1/1/2022	8	351,238	3	21,921	1	13,036
Manistee, City of	5105	10	7/1/2022	50	3,109,819	65	1,598,068	4	59,749
Manistique HC	7508	1	1/1/2022	0	0	2	74,349	1	10,929
Manistique, City of	7504	3	7/1/2022	23	1,550,139	37	1,128,149	3	20,740
Manlius Twp	0311	1	4/1/2022	4	75,247	4	58,914	0	0
Manton, City of	8304	2	12/1/2022	6	328,544	13	209,895	4	16,425
Marenisco Twp	2704	2	4/1/2022	2	98,869	3	45,957	0	0
Marion, Vlg of	6704	2	3/1/2022	4	174,279	7	65,956	1	607
Marlette, City of	7405	2	7/1/2022	8	438,555	5	139,622	4	40,084
Marquette Brd of Light & Power	5209	7	10/1/2022	19	1,868,887	102	3,501,083	1	19,591
Marquette Chtr Twp	5215	2	1/1/2022	20	1,251,076	9	227,825	2	52,866
Marquette Co	5202	17	1/1/2022	234	11,090,357	379	8,552,580	48	569,245
Marquette Co Solid Waste Mgmt	5213	4	7/1/2022	15	1,050,796	10	238,102	0	0
Marquette Co Trans Auth	5206	3	10/1/2022	30	1,370,092	25	317,744	2	17,808
Marquette CRC	5211	8	1/1/2022	54	3,395,275	88	2,318,497	13	108,175
Marquette, City of	5201	15	10/1/2022	114	6,183,597	154	4,942,127	16	169,158
Marshall Area Firefighters Amb	1313	2	7/1/2022	7	587,979	2	37,884	2	19,652
Marshall Dist Lib	1309	1	7/1/2022	0	0	1	45,681	0	0
Marshall, City of	1306	6	7/1/2022	38	2,671,417	109	3,025,543	15	253,500
Mason Co	5301	6	1/1/2022	110	6,056,588	231	4,515,143	32	384,250
Mason Co Dist Lib	5303	1	1/1/2022	10	354,363	12	190,223	1	4,721
Mason CRC	5305	4	1/1/2022	41	2,353,703	39	700,733	4	25,744
Mason, City of	3304	8	7/1/2022	40	2,128,895	40	1,200,341	17	223,187
Mason-Oceana 911	6403	1	1/1/2022	14	780,920	9	181,598	2	39,047
MBS Intl Arpt	0902	6	1/1/2022	23	1,328,394	25	867,751	7	102,036
Meceola Central Disp	5405	1	1/1/2022	15	807,305	14	215,875	6	57,546
Mecosta Co	5403	8	1/1/2022	18	1,110,556	134	2,869,375	25	233,508
Mecosta Co General Hosp CLD	5404	2		0	0	128	674,583	33	95,254
Mecosta CRC	5401	1	1/1/2022	25	1,292,739	65	941,299	7	66,767
Melvindale HC	8220	3	1/1/2022	5	253,403	5	93,979	3	26,991
Melvindale, City of	8215	6	1/1/2022	7	602,537	98	3,645,788	2	53,879
Menominee Co	5502	12	10/1/2022	39	2,421,439	107	1,887,716	15	233,080
Menominee CRC	5503	4	1/1/2022	1	52,932	18	508,225	0	0
Menominee, City of	5501	6	9/1/2022	28	1,395,264	64	969,034	6	32,983
Meridian Chtr Twp	3315	12	1/1/2022	110	6,867,923	118	4,511,281	36	629,589
MERS	2308	2	1/1/2022	132	12,978,365	58	1,423,863	46	771,900
Metamora Twp	4409	1	4/1/2022	5	343,202	5	71,753	1	17,642
Metro Police Auth of Genesee Co	2532	3	1/1/2022	27	2,079,119	21	721,091	4	72,031
Mich Muni Risk Mgmt Auth	8237	1	7/1/2022	1	305,000	0	0	0	0
Mich S Central Power Agcy	3002	3	7/1/2022	0	0	44	1,118,121	20	442,302
Middleville, Vlg of	0803	6	1/1/2022	12	730,221	12	178,448	4	24,453
Midland Co Central Disp Auth	5604	3	1/1/2022	17	1,095,932	10	180,413	4	92,753



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Midland CRC	5602	5	1/1/2022	41	2,429,619	55	1,602,317	1	3,077
Midland, City of	5601	8	7/1/2022	179	11,603,549	344	11,891,366	20	404,034
Mid-Mich Dist Hlth Dept	5901	5	10/1/2022	76	3,891,778	67	735,565	37	360,104
Mid-Mich Lib League	8306	1	10/1/2022	1	86,854	5	74,142	2	15,222
Milan Lib	5806	2	7/1/2022	2	105,009	2	31,059	1	707
Milan, City of	5801	8	7/1/2022	6	483,599	43	1,006,117	10	196,278
Milford, Vlg of	6313	8	7/1/2022	21	2,048,494	24	874,191	13	180,826
Millington, Vlg of	7904	2	3/1/2022	6	281,329	7	121,871	2	11,650
Missaukee Co	5702	4	10/1/2022	28	1,586,721	23	547,390	13	169,487
MOA Solid Waste Mgmt Auth	6002	1	1/1/2022	6	267,300	2	50,015	1	12,755
Monroe HC	5808	1	10/1/2022	10	548,969	7	197,187	1	2,828
Montague, City of	6112	5	7/1/2022	15	1,097,595	20	543,079	2	15,466
Montcalm Care Network	5909	1	10/1/2022	54	0	35	438,151	19	224,717
Montcalm Co	5907	7	10/1/2022	60	3,809,589	107	2,307,506	13	217,815
Montcalm CRC	5905	5	10/1/2022	55	3,279,018	51	1,325,559	3	46,466
Montmorency Co	6001	5	1/1/2022	34	1,645,871	69	829,666	21	125,129
Montrose, City of	2509	2	7/1/2022	4	201,190	6	48,814	5	17,989
Mt. Morris Chtr Twp	2503	7	4/1/2022	48	2,619,490	74	2,894,442	9	77,878
Mt. Pleasant, City of	3701	6	1/1/2022	83	4,600,751	112	2,547,612	21	230,933
Muir, Vlg of	3405	1	7/1/2022	0	0	3	36,149	1	950
Mundy, Chtr Twp of	2517	1	1/1/2022	10	561,007	7	134,148	2	25,383
Munising, City of	0202	3	7/1/2022	16	900,655	31	635,923	3	22,753
Muskegon Area Dist Lib	6117	3	1/1/2022	24	1,334,528	11	154,222	3	32,964
Muskegon Chtr Twp	6108	4	1/1/2022	18	1,128,671	56	1,761,459	2	20,416
Muskegon Co	6103	17	10/1/2022	275	20,085,207	1,165	21,938,885	178	2,724,785
Muskegon CRC	6101	11	1/1/2022	59	3,399,072	105	2,044,807	17	174,994
Muskegon Ctrl Dispatch 911	6109	4	10/1/2022	33	2,311,094	21	510,205	5	49,128
Muskegon HC	6113	1	10/1/2022	4	199,298	5	96,031	2	18,011
Muskegon Heights HC	6115	1	4/1/2022	3	145,109	9	175,967	1	673
Muskegon Heights, City of	6102	7	7/1/2022	39	2,244,322	109	2,778,568	10	98,991
Muskegon, City of	6116	9	7/1/2022	53	4,200,465	336	9,783,658	27	560,390
N Houghton Co Wtr&Swg Auth	3106	2	1/1/2022	4	212,476	3	73,994	0	0
N Muskegon, City of	6104	4	12/1/2022	5	301,602	21	468,951	4	29,099
Nashville, Vlg of	0807	1	3/1/2022	8	383,255	2	17,259	1	1,242
Negaunee Twp	5217	1	4/1/2022	4	232,546	6	92,794	1	732
Negaunee, City of	5203	3	1/1/2022	25	1,316,645	44	1,052,166	6	80,428
Network180	4109	1	10/1/2022	32	2,808,092	85	2,549,223	30	484,695
New Baltimore, City of	5016	8	7/1/2022	53	3,595,413	49	1,109,796	13	152,370
New Buffalo Twp	1121	1	7/1/2022	13	646,381	1	5,620	1	8,961
New Buffalo, City of	1113	1	7/1/2022	27	1,481,249	7	108,056	8	29,231
Newaygo CMH	6207	1	10/1/2022	0	0	8	303,972	1	4,601
Newaygo Co	6201	8	10/1/2022	8	485,848	121	2,340,934	10	108,412
Newaygo CRC	6212	8	10/1/2022	44	2,316,549	51	845,497	5	85,025
Newaygo MCF	6204	4	1/1/2022	29	1,259,368	107	1,106,007	24	236,159
Newaygo Soil & Wtr Cnsvrn Dist	6205	1	9/1/2022	4	193,047	3	14,986	1	2,945
Newberry, Vlg of	4802	7	1/1/2022	14	789,093	30	383,737	6	24,236
Niles Dist Lib	1105	2	10/1/2022	9	341,365	9	92,307	2	17,322
Niles, City of	1115	4	10/1/2022	107	6,567,448	137	3,046,986	11	227,577
Northern Lakes CMH Auth	2808	3	1/1/2022	7	387,727	115	2,281,215	6	73,680
Northfield Twp	8117	1	7/1/2022	10	752,291	1	12,655	6	114,123
Northpointe Bhvrl Hlth Sys	2207	5	10/1/2022	24	1,572,550	64	1,079,966	38	361,344
Northville Chtr Twp	8230	9	1/1/2022	116	10,579,137	57	2,792,835	11	332,273
Northville Dist Lib	8229	2	12/1/2022	17	1,037,321	16	267,223	2	20,082
Northville, City of	8208	9	7/1/2022	3	259,920	65	1,865,319	6	77,269
Norton Shores, City of	6106	12	7/1/2022	61	4,914,693	129	3,611,452	8	153,514
Norway, City of	2204	4	7/1/2022	14	971,192	41	1,479,951	2	31,099
Nottawaseppi Huron Band	8403	2	1/1/2022	20	1,351,461	3	22,109	1	1,993
Novi, City of	6320	10	7/1/2022	119	10,486,885	228	7,314,500	47	827,827
NW Mich Cmnty Hlth Agcy	1502	1	1/1/2022	2	188,515	41	606,938	1	1,137
NW Rgnl Arprt Auth	2805	1	1/1/2022	7	790,618	21	562,937	8	98,555
Oceana Co	6402	7	1/1/2022	91	5,417,317	192	2,915,612	45	560,291
Oceola Twp	4717	1	7/1/2022	12	469,567	8	89,436	1	8,615
Ogemaw Co	6502	4	1/1/2022	21	1,154,119	116	2,141,715	11	81,239
Ogemaw Co Emerg Disp Auth	6510	1	10/1/2022	3	178,319	3	69,708	0	0
Ogemaw Co EMS Auth	6508	2	10/1/2022	25	1,661,019	14	263,591	6	61,027
Ogemaw CRC	6503	3	10/1/2022	31	1,486,186	35	887,447	1	3,612
Olive Twp	7009	1	4/1/2022	2	56,352	4	29,483	0	0
Onaway, City of	7105	2	4/1/2022	3	144,665	3	42,525	5	37,783
Ononagon Co	6602	7	1/1/2022	44	1,805,145	62	861,851	7	72,756
Ononagon Co Economic Dev Corp	6605	1	1/1/2022	0	0	1	10,371	0	0
Ononagon CRC	6604	3	1/1/2022	39	2,119,308	64	2,116,417	2	43,925
Ononagon, Vlg of	6603	2	4/1/2022	6	298,213	120	1,316,326	21	150,839
Orchard Lake, City of	6312	5	7/1/2022	2	224,849	14	447,790	0	0
Oronoko Chtr Twp	1114	2	1/1/2022	10	655,299	8	159,706	3	15,163
Osceola Co	6701	7	1/1/2022	88	4,637,101	112	1,366,359	50	440,781
Osceola CRC	6703	3	1/1/2022	23	1,162,671	45	751,964	1	19,243
Oscoda Chtr Twp	3503	2	1/1/2022	11	857,930	12	296,146	11	91,062



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix A: Participant Information

Municipality Name	Number	Number of Divisions	Fiscal Year Beginning	Participant Information						
				Number of Actives	Annual Salary	Number of Retirees	Annual Benefit in Force	Number of Vested Former	Annual Deferred Benefits	
Oscoda Co	6801	6	1/1/2022	64	2,718,755	71	819,245	14	88,844	
Oscoda Co Dist Lib	6803	1	1/1/2022	1	45,180	0	0	0	0	
Oscoda Wurtsmith Arprt Auth	6802	1	10/1/2022	6	322,111	3	27,254	0	0	
Otisville, Vlg of	2506	1	7/1/2022	5	235,281	4	70,901	1	1,545	
Otsego Co	6902	19	1/1/2022	73	3,757,770	118	1,587,156	56	568,965	
Otsego CRC	6901	4	1/1/2022	33	1,870,670	49	873,428	7	112,307	
Ottawa Co	7003	17	10/1/2022	327	24,539,059	754	20,148,235	184	2,793,889	
Ottawa Co Central Disp Auth	7008	2	1/1/2022	0	0	15	226,995	1	28,693	
Ottawa CRC	7002	5	10/1/2022	53	4,070,830	144	4,614,055	11	210,395	
Otter Lake, Vlg of	4408	1	3/1/2022	0	0	1	15,560	0	0	
Owosso, City of	7607	9	7/1/2022	46	3,151,094	103	3,488,558	4	50,907	
Oxford Fire Department	6327	3	1/1/2022	23	2,080,638	18	357,266	1	26,449	
Oxford, Vlg of	6326	3	7/1/2022	8	519,923	7	126,888	4	54,006	
Parchment, City of	3901	2	1/1/2022	5	247,963	16	244,309	1	11,893	
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	7	10/1/2022	9	612,237	277	4,817,171	33	297,360	
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	1	4/1/2022	2	160,634	3	163,400	0	0	
Paw Paw, Vlg of	8002	6	3/1/2022	26	1,668,547	32	865,181	10	96,727	
Pellston, Vlg of	2404	1	1/1/2022	3	106,511	1	18,699	0	0	
Pennfield Chtr Twp	1312	1	4/1/2022	8	491,385	11	157,981	2	38,004	
Pentwater, Vlg of	6401	2	4/1/2022	9	519,669	15	170,928	2	2,022	
Perrinton, Vlg of	2909	1	3/1/2022	1	58,462	0	0	1	5,874	
Petersburg, City of	5807	1	7/1/2022	7	275,407	1	17,399	2	23,134	
Petoskey, City of	2402	5	1/1/2022	51	3,934,030	79	1,938,644	12	184,779	
Pewamo, Vlg of	3407	1	4/1/2022	2	100,895	0	0	0	0	
Pigeon, Vlg of	3203	2	3/1/2022	4	240,178	4	47,914	3	30,808	
Pinckney, Vlg of	4706	3	3/1/2022	13	732,105	9	243,258	8	26,986	
Pinconning, City of	0904	4	7/1/2022	3	134,594	14	168,308	1	11,560	
Pittsfield Chtr Twp	8110	16	1/1/2022	134	10,728,795	82	2,227,486	39	390,499	
Pleasant Ridge, City of	6301	7	7/1/2022	12	906,820	19	407,431	7	67,135	
Plymouth Dist Lib	8221	2	1/1/2022	13	881,681	17	448,876	3	21,738	
Plymouth, Chtr Twp of	8238	5	1/1/2022	31	3,157,595	44	2,359,183	5	133,453	
Plymouth, City of	8202	8	7/1/2022	0	0	50	1,483,164	3	15,368	
Pokagon Band of Potawatomi	8401	2	1/1/2022	329	22,889,167	58	855,994	64	837,326	
Port Austin Area Swr&Wtr Auth	3210	1	3/1/2022	0	0	2	8,739	0	0	
Port Austin, Vlg of	3208	2	3/1/2022	3	135,106	6	51,413	1	840	
Port Huron Chtr Twp	7711	1	1/1/2022	15	857,643	13	246,356	6	74,114	
Port Huron HC	7712	4	7/1/2022	26	1,212,153	24	647,181	2	18,352	
Port Huron, City of	7702	11	7/1/2022	191	14,088,178	394	12,862,287	38	429,806	
Port Sanilac, Vlg of	7403	2	7/1/2022	2	89,139	7	99,436	0	0	
Port Sheldon Twp	7018	1	4/1/2022	8	230,981	5	119,020	1	5,048	
Portland, City of	3401	6	7/1/2022	33	2,459,090	43	1,090,989	17	174,655	
Pottersville, City of	2313	1	7/1/2022	7	408,338	4	80,547	4	6,533	
Presque Isle Co	7104	6	7/1/2022	67	2,825,006	67	944,516	21	153,829	
Presque Isle CRC	7101	4	1/1/2022	31	1,464,352	39	814,568	0	0	
PRIDE Youth Programs CLD	6210	1	0	0	0	2	45,930	0	0	
Ravenna, Vlg of	6111	1	1/1/2022	1	73,145	3	60,604	0	0	
Reading, City of	3003	1	7/1/2022	5	238,523	6	35,582	3	1,507	
Redford Twp Dist Lib	8228	1	4/1/2022	5	338,880	10	240,897	3	15,539	
Redford, Chtr Twp of	8209	11	4/1/2022	97	5,149,126	188	4,341,198	23	254,726	
Reed City, City of	6702	3	7/1/2022	18	955,205	31	507,187	7	39,496	
Richfield Twp (Genesee Co)	2514	3	7/1/2022	13	788,187	10	338,317	6	57,821	
Richfield Twp (Roscommon Co)	7202	4	4/1/2022	5	311,529	16	208,346	6	76,132	
Richland Twp	7310	6	4/1/2022	10	389,197	12	439,920	2	3,600	
Richmond, City of	5012	1	7/1/2022	11	583,871	8	224,388	0	0	
River Rouge, City of	8268	1	7/1/2022	10	676,007	0	0	0	0	
Rochester, City of	6307	6	7/1/2022	31	2,644,221	52	1,514,334	7	153,964	
Rockford, City of	4103	6	7/1/2022	31	2,199,090	34	563,991	16	262,909	
Rockwood, City of	5810	3	7/1/2022	11	773,675	9	142,384	6	70,382	
Rogers City, City of	7102	3	7/1/2022	16	898,168	28	834,628	8	73,359	
Romeo Dist Lib	5006	2	7/1/2022	1	89,532	23	295,441	4	40,871	
Romeo, Vlg of	5005	5	7/1/2022	23	1,361,190	26	599,473	3	23,858	
Romulus, City of	8225	7	7/1/2022	65	4,749,104	74	4,065,853	13	315,135	
Roosevelt Park, City of	6107	3	12/1/2022	3	254,363	21	463,840	9	179,017	
Roscommon Co	7201	6	1/1/2022	59	3,477,690	125	1,954,280	32	435,873	
Roscommon Co Trans Auth	7205	1	10/1/2022	8	412,537	16	246,788	0	0	
Rose City, City of	6504	1	7/1/2022	5	190,380	4	45,393	2	6,228	
Rose Twp	6506	1	4/1/2022	5	49,065	6	13,001	0	0	
Royal Oak, Chtr Twp of	6306	5	1/1/2022	2	79,801	11	231,049	1	469	
Saginaw Chtr Twp	7314	2	4/1/2022	42	3,117,610	32	1,385,277	9	118,589	
Saginaw Co	7303	22	10/1/2022	7	432,452	541	13,410,862	25	183,911	
Saginaw Co 911 Com Ctr	7316	4	10/1/2022	0	0	36	1,199,736	1	7,986	
Saginaw Co CMH	7318	5	10/1/2022	3	239,480	97	1,535,668	11	53,901	
Saginaw CRC	7304	8	1/1/2022	70	4,435,825	105	2,518,279	7	85,109	
Saginaw HRC	7321	4	7/1/2022	6	244,754	15	383,626	4	50,003	
Saginaw Trans Sys Auth	7319	1	10/1/2022	30	1,535,807	19	176,331	8	86,784	
Saginaw, City of	7301	13	7/1/2022	277	16,170,224	811	30,550,501	33	353,961	
Saginaw, Pub Lib of	7317	1	7/1/2022	10	548,504	9	96,809	11	114,076	



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Saginaw-Midland Muni Wtr Corp	7305	3	7/1/2022	2	119,283	12	388,158	2	91,354
Saline, City of	8105	7	7/1/2022	48	3,274,896	84	2,281,593	13	210,911
Sandusky Dist Lib	7404	1	1/1/2022	0	0	2	35,000	0	0
Sandusky, City of	7402	4	3/1/2022	19	1,113,295	16	352,825	6	61,597
Sanilac CRC	7410	1	1/1/2022	51	3,030,386	28	594,602	1	37,060
Saranac HC	3413	1	4/1/2022	3	149,640	2	48,880	0	0
Saugatuck Twp	0305	3	7/1/2022	5	293,167	5	66,618	3	23,954
Saugatuck Twp Fire Dist	0313	1	7/1/2022	7	444,225	1	15,901	1	8,602
Saugatuck, City of	0307	2	7/1/2022	11	645,687	13	171,821	3	33,856
Sault Ste. Marie HC	4906	1	4/1/2022	10	466,112	6	150,455	0	0
Sault Ste. Marie Tribe of Chippewa Indians	8404	1	1/1/2022	28	1,691,447	2	4,921	2	8,187
Sault Ste. Marie, City of	1701	8	7/1/2022	72	3,911,375	101	2,524,051	12	158,934
SCCMUA	1905	2	1/1/2022	8	482,868	16	313,088	4	57,046
Schoolcraft Co	7503	16	10/1/2022	82	4,012,805	151	2,583,756	45	272,592
Schoolcraft Co Trans Auth	7506	3	10/1/2022	7	258,942	5	108,498	0	0
Schoolcraft CRC	7501	3	10/1/2022	20	1,136,884	40	1,235,623	5	78,336
Schoolcraft Memorial Hosp	7505	5	1/1/2022	11	703,775	76	1,750,066	17	338,978
Scio Twp	8116	2	4/1/2022	14	1,234,889	9	207,375	1	16,330
Scottville, City of	5308	1	7/1/2022	7	390,486	3	42,444	6	47,807
SE Oakland Co Rsrc Rec Auth	6310	3	7/1/2022	18	1,098,901	27	387,624	6	67,059
SE Oakland Co Wtr Auth	6309	4	7/1/2022	17	1,225,181	23	711,806	2	2,607
Sebewaing, Vlg of	3205	5	4/1/2022	11	926,046	21	532,727	4	72,527
SEMCOG	8210	2	7/1/2022	59	4,774,828	77	2,445,880	21	256,310
Shepherd, Vlg of	3704	1	3/1/2022	6	296,923	3	32,534	1	7,836
Shiawassee Co	7602	30	1/1/2022	261	14,100,700	444	9,223,549	125	1,141,902
Shiawassee Council on Aging	7605	1	1/1/2022	8	306,828	6	58,688	1	1,344
Shiawassee CRC	7601	6	1/1/2022	31	1,761,162	52	1,631,235	7	154,394
Shiawassee Dist Lib	7606	2	12/1/2022	5	333,745	5	147,376	2	39,979
Shiawassee Hlth & Wellness	7609	4	10/1/2022	115	6,399,476	94	1,088,212	54	550,345
Sims Whitney Util Auth	0606	2	7/1/2022	2	142,279	3	29,705	0	0
SMART	8216	10	7/1/2022	694	44,463,919	985	19,354,782	141	1,830,957
South Haven Area ESA	8005	3	1/1/2022	17	1,344,672	9	471,777	0	0
South Haven, City of	8001	7	7/1/2022	92	6,277,905	86	1,968,650	20	279,234
South Lyon, City of	6315	5	7/1/2022	27	2,233,252	34	950,301	7	144,577
Southgate, City of	8262	1	7/1/2022	28	1,739,385	79	2,192,808	8	169,992
Sparta, Vlg of	4107	5	1/1/2022	10	650,325	15	304,394	3	37,526
Spring Lake Dist Lib	7016	3	1/1/2022	8	437,315	7	214,959	3	32,573
Spring Lake, Vlg of	7015	3	7/1/2022	6	281,577	11	349,692	9	144,216
Springfield, City of	1303	4	7/1/2022	14	783,894	44	947,175	12	152,898
St Charles, Vlg of	7308	4	4/1/2022	9	460,809	13	323,560	4	34,535
St Clair HC	7715	1	1/1/2022	0	0	4	83,504	0	0
St Clair Shores HC	5007	1	1/1/2022	9	500,860	12	230,630	0	0
St Clair, City of	7703	9	10/1/2022	12	883,547	51	1,663,683	6	87,126
St Ignace, City of	4904	7	1/1/2022	26	1,258,067	38	1,051,031	11	47,764
St Johns, City of	1902	9	7/1/2022	10	668,649	52	1,411,343	3	27,872
St Joseph Co	7803	6	1/1/2022	171	9,549,371	175	3,441,748	62	558,979
St Joseph Twp	1122	1	1/1/2022	18	1,046,470	3	100,990	0	0
St Louis HC	2908	1	7/1/2022	3	167,854	1	21,858	0	0
St Louis, City of	2902	4	7/1/2022	3	239,981	27	652,830	3	21,138
Stambaugh Twp	3615	2	4/1/2022	0	0	2	26,527	0	0
Standish, City of	0601	1	7/1/2022	0	0	12	249,229	0	0
Stanton, City of	5903	1	3/1/2022	0	0	1	4,441	0	0
Stephenson, City of	5504	2	7/1/2022	1	63,383	3	51,772	0	0
Sterling, Vlg of	0605	1	4/1/2022	1	40,356	2	28,238	0	0
Stockbridge, Vlg of	3316	1	3/1/2022	4	183,784	5	47,078	5	79,186
Sturgis HC	7805	1	10/1/2022	0	0	1	6,006	2	13,236
Summit Twp	3803	4	4/1/2022	37	2,272,502	33	988,739	5	94,177
Sumpter Twp	8226	3	4/1/2022	31	2,326,507	15	469,540	4	95,295
Superior Chtr Twp	8109	2	1/1/2022	32	2,697,179	16	535,452	3	18,097
Superior Dist Lib	1702	1	7/1/2022	14	427,223	8	86,901	0	0
Superiorland Lib Coop	5208	2	10/1/2022	0	0	4	91,696	1	4,390
Suttons Bay Bingham Fire Auth	4506	1	4/1/2022	10	883,006	2	72,644	1	12,356
SW Mich Comm Amb Svcs	1119	1	7/1/2022	17	1,161,372	5	160,513	3	75,517
SW Shiawassee ESA	7611	1	1/1/2022	19	1,139,394	3	37,551	4	47,410
Swan Creek Twp	7309	2	4/1/2022	5	154,444	9	80,149	0	0
Swartz Creek, City of	2504	2	7/1/2022	1	56,039	16	599,199	0	0
Sylvan Lake, City of	6314	2	7/1/2022	3	247,550	6	173,645	2	31,199
Tawas Police Auth	3504	1	7/1/2022	0	0	4	73,734	4	62,969
Taylor HC	8231	1	4/1/2022	2	162,766	4	50,505	0	0
The Lib Network	8218	4	10/1/2022	22	1,170,529	29	437,958	4	47,910
Three Rivers, City of	7801	10	7/1/2022	60	3,566,051	61	1,341,657	31	321,862
Tittabawassee Twp	7322	2	4/1/2022	19	1,158,790	8	220,581	0	0
Traverse Area Dist Lib	2807	1	1/1/2022	20	929,840	38	547,897	4	41,152
Traverse City Light & Power	2811	5	7/1/2022	32	2,697,151	62	2,528,407	7	90,754
Traverse City, City of	2801	5	7/1/2022	99	6,819,015	131	3,143,736	29	262,831
Trenton, City of	8203	2	7/1/2022	2	122,492	119	3,983,193	1	7,652
Tri-County Aging Consortium	3307	3	10/1/2022	103	4,582,245	78	750,449	14	96,957





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Trio Council on Aging Inc CLD	6507	1		0	0	3	25,178	1	3,287
Tuscarora Twp	1604	1	7/1/2022	9	590,931	5	120,039	1	18,941
Tuscola Co	7902	16	1/1/2022	86	4,989,448	137	2,531,268	27	360,639
Tuscola Co CMH	7907	1	10/1/2022	107	6,009,523	81	1,050,212	25	315,522
Tuscola Co Hlth Dpt	7901	2	1/1/2022	11	639,762	41	919,131	1	55,892
Tuscola Co MCF	7906	2	1/1/2022	166	8,945,450	106	1,004,835	59	356,967
Tuscola CRC	7908	3	1/1/2022	22	1,137,455	26	481,133	4	41,893
Twin City Pub Safety Auth CLD	3610	1		0	0	2	6,414	1	2,929
Ubly, Vlg of	3212	1	3/1/2022	0	0	3	83,661	3	30,184
Utica, City of	5008	4	7/1/2022	12	794,864	14	393,702	0	0
Van Buren Co	8006	10	10/1/2022	266	14,402,190	140	2,671,483	53	591,039
Van Buren Dist Lib	8007	1	1/1/2022	7	280,342	10	151,519	4	32,535
Van Buren Twp	8236	2	1/1/2022	51	4,588,824	19	1,015,591	8	126,314
Vassar, City of	7903	3	7/1/2022	2	146,210	30	636,419	8	87,821
Vevay Twp	3318	2	4/1/2022	1	46,460	7	66,924	0	0
Vicksburg Dist Lib	3904	1	3/1/2022	0	0	3	14,465	1	716
Vicksburg, Vlg of	3902	2	7/1/2022	7	413,494	12	183,507	15	122,135
Vienna, Chtr Twp of	2522	2	1/1/2022	2	105,152	8	141,078	2	44,795
W Iron Co Swr Auth	3612	3	7/1/2022	3	167,906	4	95,032	2	15,898
W Mich CMH Sys	5304	1	10/1/2022	0	0	22	516,082	0	0
W Mich Shoreline Rgnl Dev Comm	6110	2	10/1/2022	10	649,560	10	318,153	4	13,066
W UP Dist Hlth Dept	3101	2	1/1/2022	20	799,023	106	1,291,339	29	198,681
Wakefield, City of	2701	1	7/1/2022	12	635,337	22	427,659	2	25,159
Walker, City of	4112	4	7/1/2022	16	1,358,234	63	1,888,734	1	15,726
Walled Lake, City of	6324	8	7/1/2022	24	1,683,500	34	1,005,541	15	279,792
Washtenaw Co	8113	4	1/1/2022	291	24,307,179	178	8,452,340	43	856,960
Washtenaw CRC	8102	5	10/1/2022	128	8,684,978	143	4,873,990	18	328,696
Wayland, City of	0304	3	7/1/2022	20	1,305,842	31	611,400	8	71,674
Wayne HC	8252	1	1/1/2022	3	150,206	2	61,894	0	0
Wayne, City of	8242	21	7/1/2022	79	5,113,709	213	8,709,655	26	455,031
Webberville, Vlg of	3314	1	4/1/2022	5	249,527	5	40,186	3	38,430
West Branch Dist Lib	6509	1	7/1/2022	3	114,080	1	21,953	0	0
West Branch, City of	6505	5	7/1/2022	19	1,012,999	24	487,059	4	16,569
Westland, City of	8211	16	7/1/2022	45	3,234,320	318	11,065,152	39	580,416
Westphalia, Vlg of	1907	1	3/1/2022	1	79,141	3	59,109	0	0
Wexford Co	8302	16	1/1/2022	125	6,636,639	127	2,227,790	47	561,823
Wexford CRC	8303	4	1/1/2022	29	1,708,633	51	1,076,762	9	84,747
White Cloud Cmnty Lib	6208	2	7/1/2022	3	100,599	3	68,760	1	1,781
White Cloud, City of	6206	2	7/1/2022	7	359,945	11	93,385	3	15,860
White Cloud/Sherman Util	6211	2	7/1/2022	3	142,922	2	24,546	0	0
White Lake Chtr Twp	6325	9	1/1/2022	93	6,362,218	68	2,346,236	15	249,776
White Pigeon, Vlg of	7804	1	4/1/2022	4	238,890	2	15,376	1	5,570
White Pine Dist Lib	5904	2	7/1/2022	1	32,392	5	25,691	0	0
Whitehall, City of	6105	6	7/1/2022	17	1,362,816	26	423,423	3	23,252
Willard Pub Lib	1308	3	7/1/2022	35	2,016,764	9	191,020	7	121,018
Williamston, City of	3310	6	7/1/2022	13	725,185	23	357,145	6	82,613
Wixom, City of	6316	6	7/1/2022	18	1,480,189	67	2,534,249	7	85,581
Wolverine Lake, Vlg of	6329	3	7/1/2022	11	772,384	11	193,370	3	62,685
WUPPDR	3108	1	10/1/2022	3	143,386	4	122,225	2	17,201
Ypsilanti Cmnty Util Auth	8106	6	9/1/2022	109	7,395,764	144	4,192,279	10	135,604
Ypsilanti HC	8115	2	7/1/2022	2	184,090	4	57,223	1	10,040
Ypsilanti, City of	8101	6	7/1/2022	40	2,148,225	54	1,104,417	21	198,998
Ypsilanti, Twp of	8104	3	1/1/2022	75	4,451,917	84	1,747,092	9	162,008
Totals - Active Groups	733	3,124		30,438	1,890,680,777	45,534	1,079,538,568	9,058	105,488,630
Totals - Closed Groups	13	16		0	0	305	1,709,278	70	179,738
Totals - MERS	746	3,140		30,438	1,890,680,777	45,839	1,081,247,846	9,128	105,668,368



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability				Total Liability	Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability			
21st Dist Ct	8243	703,552	125,850	3,005,895	13,729	3,849,026	2,561,728	66.6%
23rd Jud Dist Ct	8223	943,735	425,076	3,370,019	208	4,739,038	3,285,556	69.3%
26th Jud Cir Ct	0403	1,193,367	415,127	3,613,913	0	5,222,407	4,007,161	76.7%
34th Dist Ct	8235	4,657,219	1,432,410	7,918,647	12,774	14,021,050	7,925,716	56.5%
35th Dist Ct	8234	885,950	66,353	4,783,607	106,995	5,842,905	4,101,341	70.2%
41 B Dist Ct	5014	3,373,729	803,581	8,316,541	60,333	12,554,184	8,572,956	68.3%
Addison Fire and EMS	4607	0	95,616	516,567	0	612,183	456,489	74.6%
Adrian, City of	4601	17,240,728	2,745,408	49,770,731	292,359	70,049,226	45,666,439	65.2%
Aitkin Memorial Dist Lib	7407	0	158,532	0	0	158,532	219,359	138.4%
Albion, City of	1301	2,897,914	684,365	11,502,375	0	15,084,654	13,455,184	89.2%
Alcona Co	0101	5,732,636	389,843	13,330,926	1,773	19,455,178	13,091,866	67.3%
Alger Co	0203	5,338,491	179,408	12,220,879	20,609	17,759,387	12,401,974	69.8%
Alger CRC	0201	3,883,673	313,742	8,165,161	16,455	12,379,031	8,354,708	67.5%
Algonac, City of	7707	449,894	1,018,389	5,687,386	6,616	7,162,285	6,093,086	85.1%
Allegan Co	0302	14,466,212	3,312,587	61,026,159	25,890	78,830,848	79,959,713	101.4%
Allegan CRC	0301	8,209,452	153,719	19,985,725	83,482	28,432,378	27,217,780	95.7%
Allegan, City of	0309	2,663,859	978,752	4,891,601	0	8,534,212	5,840,295	68.4%
Alma, City of	2901	7,696,618	1,891,480	18,703,237	115,649	28,406,984	21,591,217	76.0%
Almont, Vlg of	4407	751,757	567,723	2,338,873	488	3,658,841	2,853,614	78.0%
Alpena Co	0401	3,963,666	2,486,683	20,750,864	89,020	27,290,233	17,364,176	63.6%
Alpena CRC	0402	2,963,728	92,660	11,389,984	0	14,446,372	12,060,370	83.5%
Alpena HC	0406	1,543,057	0	1,783,240	7,381	3,333,678	3,313,813	99.4%
Alpena Sr Citizens Ctr	0404	0	0	666,441	0	666,441	274,876	41.2%
Alpha, Vlg of	3614	0	56,027	9,984	0	66,011	99,148	150.2%
Antrim Co	0502	24,596,506	5,642,428	34,317,427	157,291	64,713,652	51,366,335	79.4%
Antrim CRC	0501	6,912,309	169,314	10,152,303	7,781	17,241,707	10,723,378	62.2%
Arenac Co	0603	4,934,673	911,214	9,993,919	8,044	15,847,850	12,332,942	77.8%
Arenac CRC	0604	2,213,233	41,100	5,230,782	3,237	7,488,352	4,068,106	54.3%
Armada Twp	5022	350,613	0	0	31,082	381,695	364,987	95.6%
Ash Twp	5804	637,674	87,088	663,467	4,971	1,393,200	830,279	59.6%
Au Gres, City of	0602	0	0	2,288,161	0	2,288,161	1,768,195	77.3%
Auburn, City of	0905	0	9,854	1,633,819	1,997	1,645,670	1,103,832	67.1%
Bad Axe Area Dist Lib	3214	15,002	0	255,900	0	270,902	231,000	85.3%
Bad Axe, City of	3211	4,484,120	0	7,096,802	18,708	11,599,630	10,023,342	86.4%
Bancroft, Vlg of	7610	0	42,043	60,920	0	102,963	29,520	28.7%
Bangor, City of	8003	210,452	169,934	1,378,032	97	1,758,515	2,239,866	127.4%
Baraga Co	0702	2,724,819	977,719	5,317,031	0	9,019,569	6,476,234	71.8%
Baraga Co Memorial Hosp	0703	6,279,519	1,573,377	18,250,796	879	26,104,571	20,725,155	79.4%
Baraga CRC	0701	3,259,103	211,842	4,601,469	0	8,072,414	6,053,178	75.0%
Baraga, Vlg of	0704	1,385,986	42,319	3,257,330	0	4,685,635	2,417,118	51.6%
Baroda Lake Twp Police Dept	1109	806,361	15,258	322,458	0	1,144,077	867,206	75.8%
Barry Co	0802	42,885,004	7,802,450	55,753,726	394,823	106,836,003	88,994,777	83.3%
Barry Co CMH Auth	0804	7,855,595	1,402,709	6,878,132	140,329	16,276,765	13,197,164	81.1%
Barry Eaton Dist Hlth Dept	2303	3,893,498	2,276,339	17,910,821	272,052	24,352,710	18,619,770	76.5%
Barton Hills, Vlg of	8107	399,599	0	540,429	0	940,028	898,806	95.6%
Bates Twp	3616	0	0	297,619	0	297,619	121,008	40.7%
Bath Chtr Twp	1909	5,618,803	1,679,224	5,833,518	116,690	13,248,235	9,752,283	73.6%
Battle Creek, City of	1302	45,101,618	6,080,106	122,713,362	413,864	174,308,950	99,875,647	57.3%
Bay Area Trans Auth	2810	4,949,352	1,101,584	4,883,328	203,986	11,138,250	11,451,921	102.8%
Bay City HC	0906	865,327	0	8,327,454	0	9,192,781	8,790,096	95.6%
Bay City, City of	0901	6,979,979	1,023,627	66,907,777	6,054	74,917,437	72,439,584	96.7%
Bay Metro Trans Auth	0907	9,065,376	421,115	14,547,293	8,380	24,042,164	17,481,954	72.7%
Beecher Metro Dist Swg&Wtr	2501	1,558,757	208,245	6,276,481	0	8,043,483	6,679,847	83.0%
Belding, City of	3410	658,032	130,481	2,219,538	7,660	3,015,711	1,514,972	50.2%
Belleville, City of	8213	2,608,800	152,175	6,973,521	47,336	9,781,832	5,663,749	57.9%
Benton Harbor, City of	1120	2,445,097	740,753	26,517,750	88,099	29,791,699	10,620,960	35.7%
Benzie Co	1003	8,558,773	2,307,481	15,595,458	121,051	26,582,763	18,167,640	68.3%
Benzie Co Comm on Aging CLD	1006	0	274,040	1,150,821	0	1,424,861	923,029	64.8%
Benzie Co MCF (The Maples)	1004	2,744,700	1,613,334	6,824,480	195,168	11,377,682	10,246,709	90.1%
Benzie CRC	1001	1,256,901	605,674	6,365,635	0	8,228,210	6,371,579	77.4%
Benzie Shores Dist Lib	1005	0	0	360,607	0	360,607	334,606	92.8%
Benzie Trans Auth	1007	612,328	100,707	527,858	26,879	1,267,772	1,454,814	114.8%
Benzie/Leelanau Dist Hlth Dept	4504	838,244	0	656,623	0	1,494,867	1,269,669	84.9%
Berkley, City of	6304	6,996,513	1,336,213	16,556,626	115,283	25,004,635	13,871,335	55.5%
Berrien Springs, Vlg of	1102	658,357	168,096	1,216,041	0	2,042,494	1,911,310	93.6%
Bessemer, City of	2702	1,303,189	211,656	1,846,367	752	3,361,964	2,444,933	72.7%
Beverly Hills, Vlg of	6321	5,267,933	1,371,624	24,029,249	198	30,669,004	24,603,763	80.2%
Big Rapids HC	5406	0	0	3,121,041	0	3,121,041	3,041,835	97.5%
Big Rapids, City of	5402	2,472,884	200,787	13,236,078	0	15,909,749	11,406,587	71.7%
Bingham Farms, Vlg of	6332	50,526	11,333	478,487	0	540,346	425,056	78.7%
Birch Run, Vlg of	7315	1,628,455	122,226	1,014,572	6,630	2,771,883	2,643,627	95.4%
Bishop Intl Arpt Auth	2507	2,964,121	1,605,681	11,354,045	46,693	15,970,540	13,107,128	82.1%
Blackman Chtr Twp	3806	13,158,793	598,379	6,595,664	31,013	20,383,849	15,490,093	76.0%
Blissfield, Vlg of	4606	1,991,426	458,649	3,273,378	0	5,723,453	4,936,834	86.3%
Bloomfield Hills, City of	6302	12,542,213	927,076	33,534,542	20,401	47,024,232	35,290,603	75.0%
Blue Water Area Trans Comm	7709	7,737,310	515,521	8,874,024	0	17,126,855	13,594,542	79.4%
Boyer City HC	1508	283,683	229,703	786,381	1,637	1,301,404	1,327,654	102.0%
Boyer City, City of	1506	2,118,896	324,618	7,523,250	10,371	9,977,135	9,199,982	92.2%
Branch Co	1205	22,304,576	17,927,002	42,611,708	759,256	83,602,542	84,614,798	101.2%



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	5,240,432	2,183,388	11,968,946	23,378	19,416,144	18,275,951	94.1%
Brandon Chtr Twp of	6333	3,764,386	159,583	5,894,178	20,856	9,839,003	7,571,987	77.0%
Breckenridge,Vlg of	2906	480,182	553,823	1,848,509	13,946	2,896,460	1,195,062	41.3%
Bridgeport Chtr Twp	7307	3,672,024	1,322,918	6,735,642	52,919	11,783,503	8,303,329	70.5%
Bridgman, City of	1110	705,520	230,929	1,796,022	21,052	2,753,523	2,068,740	75.1%
Briggs Dist Lib	1915	0	0	509,499	0	509,499	426,421	83.7%
Brighton Area Fire Auth	4715	0	0	600,144	0	600,144	564,593	94.1%
Brighton, Chtr Twp of	4711	1,715,614	385,796	1,120,388	277	3,222,075	4,227,375	131.2%
Brighton, City of	4704	8,529,986	1,265,593	20,941,652	16,236	30,753,467	20,876,887	67.9%
Britton, Vlg of	4604	344,025	19,261	0	1,909	365,195	788,484	215.9%
Bronson, City of	1204	1,437,088	351,513	1,334,622	46,307	3,169,530	2,643,380	83.4%
Brooklyn, Vlg of	3801	393,369	281,051	757,142	75,910	1,507,472	1,098,371	72.9%
Brownstown, Chtr Twp of	8247	26,714,229	719,105	20,581,638	89,373	48,104,345	34,922,683	72.6%
Buchanan Dist Lib	1108	45,775	76,885	379,125	0	501,785	513,726	102.4%
Buchanan, City of	1101	2,128,038	793,375	6,655,341	69,192	9,645,946	9,966,597	103.3%
Buena Vista Chtr Twp	7312	3,061,557	654,135	10,876,539	42,644	14,634,875	9,996,167	68.3%
Burton, City of	2508	7,796,398	2,291,568	52,275,971	136,800	62,500,737	33,498,972	53.6%
Butman Twp CLD	2604	0	0	80,836	0	80,836	93,486	115.6%
Cadillac, City of	8301	6,980,716	1,618,279	11,182,500	0	19,781,495	14,561,339	73.6%
Cadillac/Wexford Trans Auth	8305	1,413,789	0	1,994,194	0	3,407,983	2,887,189	84.7%
Calhoun Co	1311	58,542,242	9,734,146	78,821,247	1,223,137	148,320,772	138,651,794	93.5%
Calhoun Co Conso Disp Auth	1316	2,670,541	427,815	6,217,305	26,265	9,341,926	7,880,076	84.4%
Canton Pub Lib	8232	1,593,823	118,232	4,126,805	37,278	5,876,138	6,130,482	104.3%
Canton, Chtr Twp of	8233	66,649,645	2,609,598	112,456,489	101,809	181,817,541	133,862,522	73.6%
Capac, Vlg of	7705	0	212,295	2,470,590	11,793	2,694,678	898,119	33.3%
Capital Area Dist Lib	3317	9,222,710	886,121	6,977,319	114,974	17,201,124	14,671,784	85.3%
Capital Region Arprt Auth	3305	5,127,542	2,050,492	14,341,332	300	21,519,666	19,857,550	92.3%
Carleton, Vlg of	5805	378,025	40,992	1,386,939	0	1,805,956	1,317,990	73.0%
Carrollton Twp	7320	2,734,045	561,928	2,409,713	1,396	5,707,082	4,799,731	84.1%
Cascade Chtr Twp	4110	3,030,846	605,675	11,096,557	3,527	14,736,605	10,385,085	70.5%
Caseville, City of	3207	1,971,976	183,162	2,323,767	20,170	4,499,075	3,350,209	74.5%
Caspian, City of	3608	441,121	8,601	937,103	0	1,386,825	839,137	60.5%
Cass Co	1402	12,765,122	2,307,510	25,192,368	203,423	40,468,423	33,163,839	81.9%
Cass Co MCF	1403	3,652,833	254,967	4,536,147	339,670	8,783,617	8,634,745	98.3%
Cass Dist Lib	1404	727,793	171,272	531,024	7,765	1,437,854	1,327,508	92.3%
Cedar Springs, City of	4105	779,545	736,862	2,135,202	11,725	3,663,334	3,066,831	83.7%
Center Line, City of	5001	938,904	128,518	8,111,887	55,718	9,235,027	4,143,207	44.9%
Central Lake, Vlg of	0504	301,961	18,936	179,091	0	499,988	461,307	92.3%
Central Mich Dist Hlth Dept	3705	5,912,214	2,144,627	19,204,053	31,375	27,292,269	21,527,038	78.9%
Charlevoix Co	1503	30,848,344	6,824,062	40,709,403	13,469	78,395,278	58,408,280	74.5%
Charlevoix CRC	1501	3,760,645	308,621	6,813,289	614	10,883,169	10,714,513	98.5%
Charlevoix, City of	1505	3,844,021	508,551	12,230,624	26,842	16,610,038	11,371,964	68.5%
Charlotte Comm Lib	2309	161,965	8,979	831,725	0	1,002,669	740,699	73.9%
Charlotte, City of	2301	5,874,312	328,543	19,970,922	30,504	26,204,281	14,650,152	55.9%
Cheboygan Co	1603	17,101,121	2,615,214	20,828,906	101,475	40,646,716	29,144,775	71.7%
Cheboygan CRC	1601	6,633,401	328,679	19,525,506	4,465	26,492,051	13,892,353	52.4%
Cheboygan, City of	1602	2,948,101	133,218	10,417,543	8,158	13,507,020	7,748,922	57.4%
Chelsea Area Fire Auth	8118	1,437,910	109,686	622,858	23,521	2,193,975	1,887,022	86.0%
Chelsea, City of	8103	1,556,650	640,414	11,460,771	0	13,657,835	12,192,660	89.3%
Chesaning, Vlg of	7313	1,057,288	294,836	3,038,395	0	4,390,519	1,621,230	36.9%
Chesterfield Twp	5009	22,846,395	1,925,567	34,573,053	115,864	59,460,879	43,018,737	72.3%
Chesterfield Twp Lib	5010	917,621	300,694	896,752	7,936	2,123,003	2,174,615	102.4%
Chikaming Twp	1112	966,132	169,657	2,042,349	46,614	3,224,752	2,326,891	72.2%
Chippewa Co	1703	17,883,505	2,025,373	38,778,442	90,054	58,777,374	39,753,023	67.6%
Chippewa Co - Emplmt & Trng CLD	1710	0	0	1,685,675	3,296	1,688,971	1,819,894	107.8%
Chippewa CRC	1704	8,869,773	184,650	15,878,112	27,187	24,959,722	12,825,773	51.4%
Chippewa River Dist Lib	3707	2,510,185	299,994	1,940,042	12,658	4,762,879	4,330,667	90.9%
Chocolay, Chtr Twp of	5218	1,000,666	220,032	1,249,877	28,980	2,499,555	2,451,689	98.1%
Clare Co	1802	14,029,582	2,904,801	15,731,066	255,510	32,920,959	23,521,244	71.4%
Clare Co Trans Auth	1806	356,754	16,512	89,135	0	462,401	389,729	84.3%
Clare CRC	1801	5,249,798	525,379	9,398,326	32,552	15,206,055	12,182,030	80.1%
Clare, City of	1804	4,145,726	920,307	7,391,265	9,756	12,467,054	7,454,446	59.8%
Clawson, City of	6305	1,683,649	424,552	25,226,662	7,123	27,341,986	25,033,495	91.6%
Clay Twp	7706	5,829,027	909,974	7,260,019	73,991	14,073,011	13,869,720	98.6%
Clearwater Twp	4005	0	83,034	97,202	0	180,236	129,906	72.1%
Clinton Co	1903	23,803,711	2,553,254	47,990,486	2,407	74,349,858	78,315,149	105.3%
Clinton CRC	1901	4,945,247	1,090,172	21,066,413	18,076	27,119,908	24,931,830	91.9%
Clinton Twp	5002	23,847,947	1,310,939	67,424,693	213,988	92,797,567	71,806,931	77.4%
Clinton, Vlg of	4602	2,587,756	149,609	4,565,179	0	7,302,544	7,754,435	106.2%
Clinton-Eaton-Ingham CMH	3308	107,458,000	14,271,168	144,757,363	1,943,346	268,429,877	208,166,582	77.5%
Clio, City of	2523	871,118	192,554	1,568,041	30,994	2,662,707	1,896,537	71.2%
CMH for Central Mich	3708	45,454,357	9,601,597	58,097,017	24,685	113,177,656	111,291,370	98.3%
Coldwater Brd of Pub Util	1203	3,484,360	629,776	10,697,353	0	14,811,489	10,682,378	72.1%
Coldwater, City of	1201	2,490,650	594,616	14,748,897	0	17,834,163	14,472,376	81.1%
Coleman, City of	5603	788,261	2,185	2,848,435	8,261	3,647,142	2,197,732	60.3%
Coloma Chtr Twp	1107	1,460,384	465,227	1,712,848	45,538	3,683,997	3,923,495	106.5%
Coloma, City of	1118	373,079	0	996,006	5,520	1,374,605	1,313,063	95.5%
Columbiaville, Vlg of	4406	469,206	66,726	260,958	944	797,834	616,624	77.3%
Constantine, Vlg of	7806	60,268	88,532	0	13,140	161,940	253,861	156.8%



# MERS December 31, 2022 Valuation - Results by Municipality

## Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Coopersville Area Dist Lib	7011	0	10,299	562,163	0	572,462	555,567	97.0%
Coopersville, City of	7005	1,355,210	626,755	2,244,660	24,195	4,250,820	2,997,719	70.5%
Corunna City of	7604	2,236,577	255,676	4,514,048	896	7,007,197	7,388,088	105.4%
Corwith Twp	6904	215,336	36,309	5,215	0	256,860	266,507	103.8%
Covert Twp	8010	1,250,325	566,769	896,201	67,447	2,780,742	2,281,475	82.0%
Crawford Co	2001	5,459,619	1,876,743	17,603,084	3,699	24,943,145	24,125,281	96.7%
Crawford Co Trans Auth	2004	3,499,961	305,289	3,978,537	7,610	7,791,397	6,551,965	84.1%
Crawford CRC	2002	5,088,460	192,559	7,502,331	4,029	12,787,379	6,658,069	52.1%
Croswell, City of	7401	3,503,287	913,669	9,083,533	23,802	13,524,291	8,589,349	63.5%
Crystal Falls Cmnty Hosp CLD	3618	0	290,173	3,127,561	0	3,417,734	3,569,477	104.4%
Crystal Falls, City of	3603	3,234,337	302,652	7,605,128	0	11,142,117	7,031,119	63.1%
Ctrl Wayne Co Sanitation Auth	8214	0	119,896	1,599,721	0	1,719,617	1,555,438	90.5%
Davison Richfield Sr CCA	2525	111,848	0	229,594	0	341,442	215,276	63.0%
Davison Twp	2519	9,868,405	839,631	12,985,739	140,672	23,834,447	18,712,551	78.5%
Davison, City of	2516	3,920,059	282,360	12,548,112	25,496	16,776,027	8,726,034	52.0%
Dearborn, City of	8251	41,474,890	439,350	747,695	157,192	42,819,127	40,717,425	95.1%
Deerfield, Vlg of	4603	168,378	324,285	1,303,527	0	1,796,190	1,107,765	61.7%
Delta Area Transit Auth	2107	281,181	0	0	0	281,181	176,818	62.9%
Delta Chtr Twp	2306	7,328,681	872,306	14,121,825	150,135	22,472,947	16,660,892	74.1%
Delta Co	2102	12,082,133	2,262,471	34,585,298	1,938	48,931,840	35,122,776	71.8%
Delta CRC	2105	3,836,766	844,132	10,411,907	15,392	15,108,197	10,406,990	68.9%
Delta-Menominee Dist Hlth Dept	2103	4,770,903	1,997,485	8,570,631	29,540	15,368,559	13,181,948	85.8%
Detour, Vlg of	1706	422,400	141,251	365,455	0	929,106	362,428	39.0%
Detroit HC	8241	8,825,026	5,094,885	11,983,179	100,282	26,003,372	25,901,336	99.6%
DeWitt Chtr Twp	1910	3,520,019	366,665	5,552,589	10,202	9,449,475	7,369,145	78.0%
DeWitt, City of	1908	2,636,717	818,643	3,414,633	1,474	6,871,467	5,012,248	72.9%
Dexter Area Fire Dept	8219	2,299,001	0	450,250	0	2,749,251	2,169,499	78.9%
Dexter Twp	8111	0	32,067	1,067,732	77,772	1,177,571	1,249,394	106.1%
Dexter, City of	8217	2,181,344	100,152	3,326,159	0	5,607,655	5,111,041	91.1%
Dickinson Co	2206	14,035,843	2,302,791	30,708,543	135,792	47,182,969	28,144,627	59.6%
Dickinson CRC	2203	3,001,882	472,708	8,407,578	0	11,882,168	6,984,200	58.8%
Dickinson-Iron Dist Hlth Dept	3605	3,307,597	770,812	7,924,388	3,788	12,006,585	9,105,112	75.8%
Dimondale,Vlg of	2304	207,550	63,184	876,524	0	1,147,258	844,419	73.6%
Dist Hlth Dept # 4	7103	2,731,186	546,250	21,574,452	196	24,852,084	14,075,086	56.6%
Dist Hlth Dept #10	5104	6,615,139	1,329,992	26,722,963	0	34,668,094	22,832,824	65.9%
Dist Hlth Dept #2	6501	1,648,671	710,683	6,331,796	3,322	8,694,472	7,379,501	84.9%
Douglas, City of Vlg of	0303	1,791,610	899,111	2,345,907	1,211	5,037,839	4,781,591	94.9%
Dowagiac Dist Lib	1406	129,549	0	97,506	9,827	236,882	206,628	87.2%
Dowagiac HC	1405	177,222	32,069	192,564	0	401,855	350,927	87.3%
Dowagiac, City of	1401	3,020,565	2,438,837	19,839,872	137,679	25,436,953	12,968,155	51.0%
Drummond Island Twp	1708	336,408	0	31,390	0	367,798	339,466	92.3%
Dryden, Vlg of	4405	109,395	187,793	141,735	0	438,923	334,518	76.2%
Dundee, Vlg of	5803	633,468	753,824	3,373,484	103,660	4,864,436	5,224,261	107.4%
Durand, City of	7603	1,391,997	975,488	5,982,032	0	8,349,517	5,201,303	62.3%
E UP Reg Planning & Dev Comm	1709	579,214	0	0	8,651	587,865	779,819	132.7%
E UP Trans Auth	1705	4,374,883	235,957	9,887,376	0	14,498,216	6,832,538	47.1%
East China Chtr Twp	7701	1,408,019	470,118	8,297,011	26,446	10,201,594	6,435,961	63.1%
East Jordan, City of	1504	2,398,977	276,573	3,645,350	19,766	6,340,666	4,391,176	69.3%
East Lansing, City of	3301	46,143,859	7,464,488	178,428,887	18,097	232,055,331	147,039,080	63.4%
Eastpointe HC	5011	231,578	0	1,733,738	0	1,965,316	1,583,930	80.6%
Eastpointe, City of	5019	16,358,789	1,917,035	81,071,514	0	99,347,338	49,982,465	50.3%
Eaton Co	2302	43,120,787	9,100,657	135,786,249	907,531	188,915,224	116,984,345	61.9%
Eaton Co Hlth & Rehab Svcs	2305	10,310,026	1,284,301	6,583,450	887,496	19,065,273	16,940,094	88.9%
Eaton Rapids, City of	2307	3,679,443	1,509,077	11,656,574	26,173	16,871,267	10,603,908	62.9%
Eau Claire, Vlg of	1104	184,571	0	360,460	419	545,450	229,038	42.0%
Ecorse, City of	8206	5,083,170	849,348	37,226,934	169	43,159,621	24,959,962	57.8%
Elk Rapids, Vlg of	0506	1,626,781	201,873	2,404,519	97,122	4,330,295	3,287,323	75.9%
Elkton, Vlg of	3206	275,114	12,869	395,609	0	683,592	770,773	112.8%
Elsie, Vlg of CLD	1906	0	0	132,856	1,332	134,188	190,616	142.1%
Emmet CRC	2401	3,067,763	13,305	14,649,201	0	17,730,269	14,350,198	80.9%
Emmett, Chtr Twp	1310	4,585,859	1,178,479	2,873,842	1,683	8,639,863	6,553,696	75.9%
Erie, Twp of	5812	85,110	192,669	0	32,627	310,406	293,711	94.6%
Escanaba, City of	2101	5,720,704	1,525,637	33,826,192	0	41,072,533	28,505,964	69.4%
Essexville, City of	0903	1,339,789	553,952	5,751,016	50,889	7,695,646	5,466,509	71.0%
Ewart, City of	6705	696,444	393,009	2,470,803	2,167	3,562,423	2,398,169	67.3%
Farmington Cmnty Lib	6319	2,106,522	299,435	8,286,924	1,686	10,694,567	8,998,611	84.1%
Farmington, City of	6343	10,777,799	1,208,335	20,686,270	4,500	32,676,904	24,455,059	74.8%
Farwell, Vlg of	1805	108,251	8,544	519,134	16,088	652,017	462,920	71.0%
Fenton, City of	2505	7,641,631	759,557	14,706,460	10,059	23,117,707	18,273,214	79.0%
Ferndale HC	6345	477,643	0	963,566	9,734	1,450,943	1,189,404	82.0%
Ferrysburg, City of	7106	1,064,539	33,113	1,911,077	0	3,008,729	2,354,240	78.2%
Flat Rock, City of	8212	5,056,165	1,466,274	25,363,328	175,239	32,061,006	14,393,367	44.9%
Flint Pub Lib	2518	1,713,752	557,907	864,896	0	3,136,555	2,924,999	93.3%
Flint, Chtr Twp of	2512	9,634,061	679,077	34,976,788	174,062	45,463,988	27,479,164	60.4%
Flint, City of	2530	52,575,559	10,264,213	486,385,399	411,398	549,636,569	146,545,631	26.7%
Flushing, Chtr Twp of	2515	2,185,820	1,004,563	4,746,774	0	7,937,157	4,748,656	59.8%
Flushing, City of	2502	8,601,689	646,261	15,585,964	0	24,833,914	13,897,942	56.0%
Forsyth Twp	5212	2,924,831	698,936	5,832,563	0	9,456,330	6,907,053	73.0%
Fowler, Vlg of	1904	636,560	51,914	107,438	0	795,912	622,737	78.2%



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Fowlerville Dist Lib	4710	24,255	63,318	641,851	17,540	746,964	586,360	78.5%
Fowlerville, Vlg of	4705	0	218,346	3,955,692	3,892	4,177,930	3,691,796	88.4%
Frankenmuth Wickson Dist Lib	7323	0	0	310,180	0	310,180	242,462	78.2%
Frankenmuth, City of	7306	5,668,988	603,878	13,445,866	1,306	19,720,038	12,863,440	65.2%
Frankfort, City of	1002	1,984,635	185,215	2,772,429	10,753	4,953,032	2,687,053	54.3%
Franklin, Vlg of	6323	1,054,831	186,266	8,473,294	49,421	9,763,812	5,291,964	54.2%
Fraser, City of	5003	13,879,252	2,760,977	54,826,675	63,503	71,530,407	40,393,804	56.5%
Fremont Area Dist Lib	6209	743,815	251,010	954,739	0	1,949,564	1,216,738	62.4%
Fremont, City of	6203	7,276,249	828,127	9,889,038	0	17,993,414	11,557,682	64.2%
Gaastra, City of	3617	89,784	0	411,496	0	501,280	259,196	51.7%
Garden City, City of	8255	22,025,941	1,053,909	96,105,260	362,174	119,547,284	66,212,670	55.4%
Gaylord, City of	6903	6,480,614	12,269	12,807,054	2,792	19,302,729	12,814,315	66.4%
Genesee Chtr Twp	2510	6,447,233	1,035,201	16,488,059	212	23,970,705	12,985,264	54.2%
Genoa Twp	4713	366,670	0	515,737	0	882,407	696,796	79.0%
Gerald R. Ford Intl Arpt Auth	4116	12,494,227	1,425,928	16,254,555	14,759	30,189,469	34,417,707	114.0%
Gladstone, City of	2106	2,225,465	114,343	12,368,346	0	14,708,154	10,032,430	68.2%
Gladwin City HC	2608	816,384	83,509	4,024,933	41,019	4,965,845	3,635,301	73.2%
Gladwin Co	2602	12,898,810	1,835,268	18,214,785	161,460	33,110,323	21,681,117	65.5%
Gladwin Co Dist Lib	2607	527,316	177,321	911,051	8,267	1,623,955	1,245,933	76.7%
Gladwin CRC	2601	3,986,895	889,295	13,525,898	35,547	18,437,635	15,522,009	84.2%
Gladwin, City of	2605	1,291,562	107,458	1,613,424	7,923	3,020,367	2,451,902	81.2%
Gogebic-Iron WWTR Auth	2703	2,193,712	0	2,350,983	7,444	4,552,139	3,048,044	67.0%
Grand Beach, Vlg of	1117	450,352	68,680	214,136	887	734,055	762,213	103.8%
Grand Blanc Chtr Twp	2511	18,598,665	217,778	17,266,874	37,385	36,120,702	26,170,311	72.5%
Grand Blanc, City of	2513	5,871,505	120,895	12,526,978	12,570	18,531,948	16,658,694	89.9%
Grand Haven BLP	7026	6,573,771	1,604,812	39,272,868	53,846	47,505,297	46,224,459	97.3%
Grand Haven, City of	7010	16,543,963	4,383,906	72,252,309	508,941	93,689,119	64,139,271	68.5%
Grand Ledge Area Dist. Lib	2316	72,271	0	0	0	72,271	80,454	111.3%
Grand Ledge Area ESA	2310	2,028,962	147,689	1,106,471	4,003	3,287,125	2,543,266	77.4%
Grand Ledge, City of	2312	1,003,252	153,336	2,994,915	0	4,151,503	2,845,917	68.6%
Grand Rapids HC	4108	0	0	2,624,524	0	2,624,524	2,210,010	84.2%
Grand Traverse Co	2803	16,264,651	2,634,419	89,537,829	0	108,436,899	107,215,695	98.9%
Grand Traverse CRC	2802	0	155,033	8,532,812	0	8,687,845	7,817,141	90.0%
Grand Traverse Pavilions	2809	22,674,057	6,605,137	29,365,457	443,863	59,088,514	57,725,563	97.7%
Grandville, City of	4102	3,325,690	118,070	17,776,061	0	21,219,821	13,359,708	63.0%
Gratiot Co	2905	9,032,783	895,228	28,159,412	0	38,087,423	34,813,628	91.4%
Gratiot CRC	2903	8,377,516	92,105	15,156,763	0	23,626,384	18,497,406	78.3%
Grayling, City of	2003	417,190	536,281	3,596,714	0	4,550,185	3,315,178	72.9%
Green Oak Chtr Twp	4708	5,850,529	240,729	7,421,341	96,011	13,608,610	9,667,161	71.0%
Greenville, City of	5906	2,580,784	723,864	5,238,040	54,057	8,596,745	6,132,938	71.3%
Grosse Ile Twp	8207	11,933,116	1,051,006	31,085,087	6,448	44,075,657	27,656,428	62.7%
Grosse Pointe Park, City of	8201	12,586,013	1,522,539	43,282,687	66,833	57,458,072	31,499,696	54.8%
Grosse Pointe-Clinton Ref CLD	5004	0	105,884	1,924,872	0	2,030,756	2,288,059	112.7%
Groveland Twp	6335	894,230	11,414	1,639,075	0	2,544,719	3,582,196	140.8%
Hackley Pub Lib	6114	606,801	107,105	93,313	0	807,219	657,610	81.5%
Hamburg Twp	4709	5,547,374	628,315	3,038,351	9,847	9,223,887	7,324,753	79.4%
Hamtramck HC	8250	4,221,692	0	945,049	3,503	5,170,244	4,109,432	79.5%
Hamtramck, City of	8205	11,540,961	2,459,592	92,347,292	602,577	106,950,422	47,383,269	44.3%
Hancock, City of	3107	949,783	194,263	4,711,588	9,785	5,865,419	3,669,381	62.6%
Harbor Beach, City of	3201	5,646,660	0	6,226,281	8,978	11,881,919	9,626,194	81.0%
Harbor Springs Area Swg Auth	2406	366,180	0	1,354,511	0	1,720,691	1,335,686	77.6%
Harbor Springs, City of	2405	3,773,335	78,448	5,440,384	67,857	9,360,024	6,060,797	64.8%
Harper Woods, City of	8260	11,378,777	2,373,408	43,774,147	121,590	57,647,922	25,608,134	44.4%
Harrison Dist Lib	1807	0	0	278,908	0	278,908	155,009	55.6%
Harrison, City of	1803	560,567	187,995	4,130,695	773	4,880,030	2,911,790	59.7%
Hartland Deerfield Fire Auth	4716	1,287,930	118,842	0	0	1,406,772	1,352,789	96.2%
Hastings, City of	0801	2,991,161	1,229,778	14,367,379	4,093	18,592,411	9,065,382	48.8%
Hazel Park, City of	6336	22,314,133	968,770	60,495,795	207,099	83,985,797	35,694,016	42.5%
Helen Newberry Joy Hosp	4805	1,557,319	605,256	16,961,360	18,314	19,142,249	14,092,531	73.6%
Henika Dist Lib	0310	20,242	4,305	523,309	0	547,856	520,370	95.0%
Herrick Dist Lib	7012	2,919,253	481,435	6,115,702	291	9,516,681	8,289,665	87.1%
Hesperia, Vlg of	6214	33,746	102,648	0	4,307	140,701	159,928	113.7%
Hiawatha Bhvrl Hlth	1707	2,743,652	1,626,581	18,780,787	20,704	23,171,724	18,762,852	81.0%
Hillsdale Co	3005	4,131,866	855,420	5,897,913	46,432	10,931,631	7,416,676	67.8%
Hillsdale CRC	3004	4,609,854	491,882	9,770,713	2,680	14,875,129	11,029,460	74.1%
Hillsdale HC	3007	139,380	0	204,357	0	343,737	279,346	81.3%
Hillsdale, City of	3001	9,197,075	1,993,886	18,161,036	190,844	29,542,841	23,166,057	78.4%
Hlth Source of Saginaw	7311	15,203,274	3,540,874	36,932,736	10,285	55,687,169	46,575,949	83.6%
Holland Area Cmnty Pool Auth	7014	755,758	44,897	994,897	54,239	1,849,791	1,885,921	102.0%
Holland Cmnty Hosp CLD	7006	0	0	997,725	0	997,725	1,371,085	137.4%
Holland, City of	7001	53,560,800	4,534,401	105,908,047	12,091	164,015,339	148,074,749	90.3%
Holly, Vlg of	6317	4,573,916	1,095,610	12,526,552	2,162	18,198,240	9,179,863	50.4%
Homer, Vlg of	1304	608,648	190,094	1,164,579	0	1,963,321	1,745,080	88.9%
Houghton Co	3102	7,946,339	2,120,140	26,229,244	79,535	36,375,258	24,389,659	67.1%
Houghton CRC	3103	2,032,952	0	3,882,886	0	5,915,838	4,539,543	76.7%
Houghton Lake Pub Lib	7203	341,870	187,358	621,932	0	1,151,160	952,324	82.7%
Houghton, City of	3109	4,652,735	739,464	2,923,645	4,079	8,319,923	6,834,524	82.1%
Howard City, Vlg of	5902	0	258,957	583,992	0	842,949	888,441	105.4%
Howard Twp	1106	15,972	149,598	104,679	0	270,249	204,876	75.8%



# MERS December 31, 2022 Valuation - Results by Municipality

## Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Howell Area Fire Auth	4714	1,168,780	0	1,283,503	2,514	2,454,797	2,330,861	95.0%
Howell, City of	4702	6,491,818	2,019,067	23,724,614	118,032	32,353,531	20,801,923	64.3%
Howell-Carnegie Dist Lib	4707	1,671,081	30,541	870,984	0	2,572,606	2,746,660	106.8%
Hudsonville, City of	7004	0	560,664	2,149,435	1,226	2,711,325	2,240,921	82.7%
Huntington Woods, City of	6303	6,524,361	164,496	22,018,473	5,019	28,712,349	20,357,869	70.9%
Hurley Med Ctr	2521	165,701,789	31,979,377	508,660,513	6,735,641	713,077,320	501,037,334	70.3%
Huron Bhvrl Hlth	3215	7,941,508	3,712,895	16,257,677	337,168	28,249,248	23,329,076	82.6%
Huron Chtr Twp	8224	9,072,508	2,009,123	23,344,845	112,088	34,538,564	24,444,759	70.8%
Huron Co	3204	36,788,937	4,593,044	74,614,315	838,561	116,834,857	81,890,341	70.1%
Huron CRC	3202	11,398,503	1,233,816	22,224,715	20,948	34,877,982	34,077,227	97.7%
Imlay City, City of	4404	2,306,775	563,868	7,648,910	25,229	10,544,782	7,524,705	71.4%
Independence Twp	6328	8,846,728	1,450,932	9,675,751	21,044	19,994,455	14,744,683	73.7%
Indianfields Twp CLD	7905	0	43,837	162,106	0	205,943	312,641	151.8%
Ingham Co	3303	174,549,672	29,570,310	394,853,441	1,371,057	600,344,480	378,640,369	63.1%
Interurban Trans Auth	0308	847,245	0	1,115,391	0	1,962,636	1,341,880	68.4%
Ionia Cmnty Lib	3412	289,700	115,392	523,241	0	928,333	574,055	61.8%
Ionia Co	3408	12,455,740	2,983,759	21,873,790	123,969	37,437,258	23,956,977	64.0%
Ionia HC	3406	351,857	0	1,245,046	0	1,596,903	1,296,922	81.2%
Ionia, City of	3403	10,597,688	516,193	19,482,904	0	30,596,785	20,333,781	66.5%
Iosco Co	3501	9,219,314	2,489,016	23,981,859	37,561	35,727,750	27,240,369	76.2%
Iosco CRC	3502	3,467,600	824,514	9,931,240	0	14,223,354	12,258,507	86.2%
Iron Co	3606	15,860,452	4,586,382	36,048,578	657,610	57,153,022	53,311,874	93.3%
Iron Co HC	3611	41,655	139,703	1,381,671	0	1,563,029	1,021,503	65.4%
Iron CRC	3602	4,521,453	478,831	9,911,034	0	14,911,318	9,322,784	62.5%
Iron Mountain, City of	2201	3,254,517	77,148	11,284,570	28,080	14,644,315	5,275,108	36.0%
Iron Mountain-Kingsford Swg	2205	1,666,890	58,785	329,391	532	2,055,598	1,613,925	78.5%
Iron River, City of	3601	633,933	688,486	10,283,778	0	11,606,197	6,066,922	52.3%
Ironwood, City of	2706	7,134,970	631,860	16,781,409	17,198	24,565,437	14,009,399	57.0%
Isabella Co	3703	24,577,447	5,308,619	48,628,214	35,074	78,549,354	59,088,802	75.2%
Isabella Co Trans Comm	3709	1,804,648	49,169	1,720,237	3,178	3,577,232	3,554,107	99.4%
Isabella CRC	3702	6,435,412	528,692	11,951,898	41,212	18,957,214	13,759,815	72.6%
Ishpeming Area Joint Wwtr Trtm	5207	457,809	17,676	2,108,561	0	2,584,046	2,645,980	102.4%
Ishpeming Twp	5216	815,875	81,651	1,169,208	13,415	2,080,149	2,079,207	100.0%
Ishpeming, City of	5204	2,818,296	395,145	16,712,526	205,492	20,131,459	19,176,914	95.3%
Ithaca, City of	2904	710,743	185,314	4,184,129	0	5,080,186	3,580,306	70.5%
Jackson Dist Lib	3802	3,521,984	468,683	7,226,822	9,428	11,226,917	9,876,558	88.0%
Jackson Trans Auth	3805	3,707,680	558,991	7,519,251	16,613	11,802,535	8,558,080	72.5%
Jordan Valley Dist Lib	1507	398,512	0	77,284	0	475,796	416,836	87.6%
Jordan Valley EMS Auth	1509	110,180	49,734	633,933	10,598	804,445	543,217	67.5%
Kalamazoo Lake Swr & Wtr Auth	0306	472,573	308,856	857,436	0	1,638,865	1,232,436	75.2%
Kalamazoo Pub Lib	3903	7,980,437	1,335,083	4,870,465	835	14,186,820	13,103,307	92.4%
Kalamazoo, Chtr Twp of	3907	6,828,725	710,293	11,405,812	43,893	18,988,723	14,560,770	76.7%
Kalkaska Co	4003	6,471,025	2,117,094	19,386,773	44,120	28,019,012	18,654,042	66.6%
Kalkaska CRC	4002	1,847,508	1,250,084	7,725,086	2,951	10,825,629	4,466,811	41.3%
Kalkaska Pub Trans Auth	4004	911,376	294,076	2,165,690	5,202	3,376,344	2,521,197	74.7%
Kalkaska, Vlg of	4001	720,420	369,713	5,976,183	4,618	7,070,934	3,200,829	45.3%
Keego Harbor, City of	6322	933,221	88,359	4,663,545	34,954	5,720,079	2,615,101	45.7%
Kent CRC	4111	0	0	80,969	0	80,969	107,591	132.9%
Keweenaw Co	4202	1,586,496	356,344	2,810,199	17,599	4,770,638	3,888,377	81.5%
Keweenaw CRC	4201	2,841,217	104,897	5,095,381	0	8,041,495	4,389,976	54.6%
Kinde, Vlg of	3209	0	0	311,158	0	311,158	338,200	108.7%
Kingsford, City of	2202	2,324,871	11,949	9,091,924	43,488	11,472,232	6,944,905	60.5%
L.M.A.S. Dist Hlth Dept	4803	3,199,051	2,234,684	7,248,289	433	12,682,457	8,537,895	67.3%
Lac Vieux Desert Band	8402	422,206	233,108	221,044	15,000	891,358	884,929	99.3%
Laingsburg, City of	7608	652,333	35,331	251,501	12,707	951,872	807,245	84.8%
Lake Co	4301	8,010,792	3,570,773	14,053,964	38,806	25,674,335	20,994,586	81.8%
Lake CRC	4302	3,709,965	466,075	8,428,888	9,424	12,614,352	7,098,129	56.3%
Lake Linden, Vlg of	3105	400,712	138,884	1,024,034	0	1,563,630	809,526	51.8%
Lake Odessa, Vlg of	3402	88,683	0	475,747	30,092	594,522	535,242	90.0%
Lake Orion, Vlg of	6318	1,107,605	147,656	3,332,510	26,404	4,614,175	3,192,218	69.2%
Lakeland Lib Coop	4106	634,856	338,743	601,308	4,622	1,579,529	1,730,050	109.5%
Lakeshore Coordinating Council CLD	7007	0	186,979	766,183	0	953,162	909,592	95.4%
Lakeview Cemetery	2407	228,043	0	0	0	228,043	230,085	100.9%
L'Anse, Vlg of	0705	1,967,909	120,922	6,358,515	0	8,447,346	4,450,310	52.7%
Lansing Chtr Twp	3320	6,674,408	489,518	5,884,740	97,517	13,146,183	11,513,709	87.6%
Lansing HC	3311	1,450,810	824,724	8,310,782	58,374	10,644,690	10,092,567	94.8%
Lapeer Co	4403	65,844,733	11,930,239	88,602,303	425,378	166,802,653	140,023,137	83.9%
Lapeer CRC	4402	4,947,488	480,577	16,942,667	23,606	22,394,338	20,998,306	93.8%
Lapeer Dist Lib	4410	1,470,988	442,327	4,072,464	76,820	6,062,599	4,035,964	66.6%
Lapeer, City of	4401	13,921,372	1,134,532	23,442,863	0	38,498,767	30,515,554	79.3%
Lathrup Vlg, City of	6311	1,998,478	62,806	7,083,520	47,998	9,192,802	7,092,396	77.2%
Laurium, Vlg of	3104	1,030,262	3,987	2,534,285	16,672	3,585,206	2,142,914	59.8%
Lawrence, Vlg of	8004	0	3,795	111,138	0	114,933	115,269	100.3%
Leelanau Co	4501	17,277,475	1,097,960	20,572,229	71,821	39,019,485	33,890,798	86.9%
Leelanau CRC	4503	1,369,655	463,763	7,139,471	11,925	8,984,814	9,174,226	102.1%
Leoni Twp	3804	188,003	2,287,248	4,694,902	26,948	7,197,101	5,792,526	80.5%
Leslie Twp	3319	602,837	0	109,520	0	712,357	697,965	98.0%
Leslie, City of	3313	1,010,956	335,049	1,290,873	976	2,637,854	1,838,597	69.7%
Lexington, Vlg of	7708	1,282,828	74,839	2,396,438	13,480	3,767,585	2,151,182	57.1%



# MERS December 31, 2022 Valuation - Results by Municipality

## Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability				Total Liability	Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability			
Lima Twp	8112	247,043	66,292	265,436	101	578,872	575,940	99.5%
Lincoln Park, City of	8244	3,106,965	1,455,698	37,949,489	0	42,512,152	10,516,671	24.7%
Litchfield, City of	3006	1,244,112	41,396	1,459,307	8,298	2,753,113	1,980,794	71.9%
Livingston Co	4703	75,363,761	14,783,913	119,321,890	45,265	209,514,829	169,463,464	80.9%
Livingston Co CMH Auth	4712	12,312,112	4,646,432	14,714,021	0	31,672,565	25,599,086	80.8%
Livingston CRC	4701	11,439,808	333,056	18,614,459	0	30,387,323	25,258,931	83.1%
Looking Glass Rgnl Fire CLD	2311	0	2,735	153,473	0	156,208	184,420	118.1%
Loutit Dist Lib	7013	1,609,745	31,719	2,545,530	56,097	4,243,091	3,031,379	71.4%
Lowell, City of	4104	5,894,442	1,997,310	10,484,595	68,541	18,444,888	12,469,698	67.6%
Luce Co	4804	2,785,762	590,555	8,067,124	2,864	11,446,305	6,428,209	56.2%
Luce Co Amb Svcs	4806	400,283	389,633	159,432	0	949,348	875,169	92.2%
Luce CRC	4801	1,430,086	553,846	10,575,928	0	12,559,860	5,866,468	46.7%
Ludington, City of	5302	7,449,087	1,109,507	16,060,397	6,595	24,625,586	16,503,579	67.0%
Luna Pier, City of	5802	300,822	231,936	5,006,470	0	5,539,228	2,427,990	43.8%
Lyons, Vlg of	3411	0	0	193,703	0	193,703	161,031	83.1%
Mackinac Co	4901	1,795,125	1,114,582	19,655,538	0	22,565,245	17,148,856	76.0%
Mackinac Co HC	4905	14,230	0	501,143	0	515,373	385,931	74.9%
Mackinac CRC	4903	2,878,109	0	7,808,877	0	10,686,986	8,491,443	79.5%
Mackinac Straits Hlth Sys	4902	22,622,728	4,055,077	22,407,052	395,537	49,480,394	38,277,440	77.4%
Mackinaw City, Vlg of	1606	1,894,111	71,458	350,473	1,153	2,317,195	1,945,267	83.9%
Madison Heights, City of	6308	9,118,172	1,811,478	35,206,094	23,843	46,159,587	43,450,860	94.1%
Madison, Chtr Twp of	4605	1,754,585	298,081	800,208	28,984	2,881,858	2,225,531	77.2%
Manistee Co	5101	19,737,413	3,632,816	44,275,155	163,168	67,808,552	47,751,353	70.4%
Manistee Co Trans Auth	5109	1,403,580	0	474,527	0	1,878,107	1,720,939	91.6%
Manistee CRC	5103	4,593,706	541,456	9,550,062	1,983	14,687,207	10,279,131	70.0%
Manistee HC	5107	426,255	129,076	221,380	21,410	798,121	842,536	105.6%
Manistee, City of	5105	9,209,781	480,283	15,949,916	52,231	25,692,211	18,837,372	73.3%
Manistique HC	7508	0	76,516	779,023	0	855,539	472,764	55.3%
Manistique, City of	7504	6,117,288	141,214	13,918,623	0	20,177,125	9,419,722	46.7%
Manlius Twp	0311	200,475	0	643,947	1,492	845,914	588,785	69.6%
Manton, City of	8304	110,501	76,823	2,006,178	0	2,193,502	675,318	30.8%
Marenisco Twp	2704	264,908	0	449,734	0	714,642	468,996	65.6%
Marion, Vlg of	6704	177,237	3,499	602,174	0	782,910	572,017	73.1%
Marlette, City of	7405	1,136,793	202,494	1,565,890	0	2,905,177	1,955,002	67.3%
Marquette Brd of Light & Power	5209	6,946,910	112,931	39,202,540	1,296	46,263,677	38,150,153	82.5%
Marquette Chtr Twp	5215	2,100,448	355,269	2,373,312	7,066	4,836,095	3,874,485	80.1%
Marquette Co	5202	25,974,606	5,162,753	101,701,402	464,916	133,303,677	93,818,637	70.4%
Marquette Co Solid Waste Mgmt	5213	2,018,787	0	2,809,973	27,341	4,856,101	4,303,492	88.6%
Marquette Co Trans Auth	5206	1,047,939	88,301	3,498,307	38,515	4,673,062	4,776,206	102.2%
Marquette CRC	5211	8,327,896	1,033,736	27,201,094	41,597	36,604,323	23,793,855	65.0%
Marquette, City of	5201	22,414,075	1,391,515	61,313,676	129,097	85,248,363	56,719,031	66.5%
Marshall Area Firefighters Amb	1313	1,591,995	151,038	456,150	10,184	2,209,367	1,807,424	81.8%
Marshall Dist Lib	1309	0	0	164,336	0	164,336	48,110	29.3%
Marshall, City of	1306	8,634,212	1,539,564	32,390,309	26,680	42,590,765	26,071,595	61.2%
Mason Co	5301	21,443,362	4,237,750	52,824,850	0	78,505,962	61,026,541	77.7%
Mason Co Dist Lib	5303	948,174	27,357	2,147,538	0	3,123,069	2,376,146	76.1%
Mason CRC	5305	3,255,576	199,491	7,699,020	4,716	11,158,803	8,661,577	77.6%
Mason, City of	3304	4,682,656	2,421,233	15,060,273	159,755	22,323,917	17,624,263	78.9%
Mason-Oceana 911	6403	2,105,929	291,753	2,147,155	9,624	4,554,461	4,016,239	88.2%
MBS Intl Arpt	0902	3,961,185	958,639	9,864,745	0	14,784,569	8,765,843	59.3%
Mecceola Central Disp	5405	1,928,244	530,580	2,439,813	10,718	4,909,355	4,038,184	82.3%
Mecosta Co	5403	8,809,443	2,172,110	32,884,745	3,866	43,870,164	46,559,951	106.1%
Mecosta Co General Hosp CLD	5404	0	1,075,420	6,036,664	1,332	7,113,416	8,070,592	113.5%
Mecosta CRC	5401	2,836,967	425,937	9,156,456	55,559	12,474,919	10,898,846	87.4%
Melvindale HC	8220	206,076	253,575	1,111,034	11,895	1,582,580	1,636,037	103.4%
Melvindale, City of	8215	4,728,360	589,293	41,166,170	1,299	46,485,122	17,081,016	36.7%
Menominee Co	5502	12,506,746	2,304,907	21,432,291	6,103	36,250,047	25,293,688	69.8%
Menominee CRC	5503	540,694	0	5,727,816	0	6,268,510	5,003,811	79.8%
Menominee, City of	5501	3,598,954	201,080	9,898,774	6,237	13,705,045	9,478,049	69.2%
Meridian Chtr Twp	3315	23,056,070	4,575,482	59,748,011	200,593	87,580,156	64,528,517	73.7%
MERS	2308	36,196,414	5,846,964	17,642,680	163,058	59,849,116	65,641,551	109.7%
Metamora Twp	4409	829,836	83,101	852,357	0	1,765,294	1,510,593	85.6%
Metro Police Auth of Genesee Co	2532	4,037,144	355,778	8,124,450	42,127	12,559,499	10,877,271	86.6%
Mich Muni Risk Mgmt Auth	8237	1,521,471	0	0	0	1,521,471	2,240,471	147.3%
Mich S Central Power Agcy	3002	0	2,989,091	12,172,126	0	15,161,217	17,294,289	114.1%
Middleville, Vlg of	0803	374,794	190,987	2,117,760	22,475	2,706,016	2,171,199	80.2%
Midland Co Central Disp Auth	5604	3,749,506	524,733	2,136,489	34,764	6,445,492	4,961,900	77.0%
Midland CRC	5602	5,187,950	10,277	16,626,409	28,295	21,852,931	20,053,833	91.8%
Midland, City of	5601	23,473,205	4,282,106	135,632,278	57,600	163,445,189	96,910,260	59.3%
Mid-Mich Dist Hlth Dept	5901	6,654,750	2,625,068	7,506,582	105,124	16,891,524	13,904,255	82.3%
Mid-Mich Lib League	8306	0	158,433	767,648	0	926,081	744,844	80.4%
Milan Lib	5806	203,470	7,140	248,428	0	459,038	404,799	88.2%
Milan, City of	5801	249,131	1,769,517	12,136,588	0	14,155,236	8,685,308	61.4%
Milford, Vlg of	6313	8,621,071	1,420,124	9,850,625	2,094	19,893,914	15,669,908	78.8%
Millington, Vlg of	7904	222,793	69,530	1,403,183	0	1,695,506	1,569,606	92.6%
Missaukee Co	5702	2,415,875	1,098,748	5,926,146	22,919	9,463,688	7,224,176	76.3%
MOA Solid Waste Mgmt Auth	6002	702,714	182,167	657,000	0	1,541,881	1,327,784	86.1%
Monroe HC	5808	1,236,995	6,051	2,193,693	0	3,436,739	1,754,077	51.0%
Montague, City of	6112	2,018,194	79,058	6,274,240	0	8,371,492	8,145,264	97.3%



# MERS December 31, 2022 Valuation - Results by Municipality

## Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Montcalm Care Network	5909	2,815,023	1,708,015	4,192,717	46,150	8,761,905	14,210,709	162.2%
Montcalm Co	5907	12,240,291	1,573,404	24,582,379	119,084	38,515,158	30,844,600	80.1%
Montcalm CRC	5905	8,824,471	378,153	14,540,957	29,105	23,772,686	14,750,249	62.0%
Montmorency Co	6001	5,180,768	841,260	8,826,162	27,944	14,876,134	9,719,389	65.3%
Montrose, City of	2509	340,472	74,666	462,949	0	878,087	810,294	92.3%
Mt. Morris Chtr Twp	2503	7,087,178	655,353	39,468,868	59,047	47,270,446	24,843,964	52.6%
Mt. Pleasant, City of	3701	12,485,376	1,388,874	26,489,641	83,497	40,447,388	28,501,867	70.5%
Muir, Vlg of	3405	0	1,643	387,881	0	389,524	351,294	90.2%
Mundy, Chtr Twp of	2517	1,866,754	219,989	1,509,621	7,766	3,604,130	3,155,805	87.6%
Munising, City of	0202	4,624,252	193,891	7,405,879	0	12,224,022	7,356,911	60.2%
Muskegon Area Dist Lib	6117	2,413,962	229,410	1,567,503	19,435	4,230,310	4,233,960	100.1%
Muskegon Chtr Twp	6108	8,283,425	265,931	22,673,854	0	31,223,210	28,774,701	92.2%
Muskegon Co	6103	68,545,891	19,900,643	222,066,069	620,491	311,133,094	243,182,544	78.2%
Muskegon CRC	6101	8,518,167	1,176,743	19,350,845	0	29,045,755	30,491,046	105.0%
Muskegon Cntrl Dispatch 911	6109	4,211,010	257,570	5,415,911	211,300	10,095,791	7,307,534	72.4%
Muskegon HC	6113	147,189	58,966	1,054,125	0	1,260,280	885,141	70.2%
Muskegon Heights HC	6115	236,503	8,710	2,240,349	1,423	2,486,985	1,182,579	47.6%
Muskegon Heights, City of	6102	10,932,781	724,277	30,565,524	277,405	42,499,987	23,889,189	56.2%
Muskegon, City of	6116	21,559,298	5,114,451	108,322,576	46,452	135,042,777	97,051,161	71.9%
N Houghton Co Wtr&Swg Auth	3106	85,576	0	952,147	0	1,037,723	752,217	72.5%
N Muskegon, City of	6104	2,125,217	351,177	5,829,785	24,020	8,330,199	6,086,165	73.1%
Nashville, Vlg of	0807	622,407	3,202	196,491	23,336	845,436	786,201	93.0%
Negaunee Twp	5217	111,134	3,690	1,099,312	991	1,215,127	1,320,580	108.7%
Negaunee, City of	5203	3,935,189	839,281	10,910,196	0	15,684,666	8,372,766	53.4%
Network180	4109	13,759,218	4,186,051	30,792,410	137,510	48,875,189	42,082,051	86.1%
New Baltimore, City of	5016	8,686,750	998,906	12,701,320	70,326	22,457,302	18,782,112	83.6%
New Buffalo Twp	1121	962,173	62,740	56,315	0	1,081,228	1,145,345	105.9%
New Buffalo, City of	1113	1,728,745	173,995	1,313,650	73,184	3,289,574	3,419,122	103.9%
Newaygo CMH	6207	0	56,258	3,298,927	0	3,355,185	3,424,019	102.1%
Newaygo Co	6201	3,223,043	1,087,045	24,385,729	0	28,695,817	24,742,637	86.2%
Newaygo CRC	6212	4,255,912	597,807	8,698,908	4,897	13,557,524	11,644,552	85.9%
Newaygo MCF	6204	3,957,118	1,756,785	10,923,131	351,651	16,988,685	16,205,670	95.4%
Newaygo Soil & Wtr Cnsvrn Dist	6205	100,450	8,118	160,495	3,475	272,538	242,341	88.9%
Newberry, Vlg of	4802	671,873	206,877	4,215,078	0	5,093,828	3,099,414	60.8%
Niles Dist Lib	1105	540,848	92,620	918,313	27,755	1,579,536	1,259,953	79.8%
Niles, City of	1115	15,998,594	1,708,302	30,417,530	163,880	48,288,306	36,159,149	74.9%
Northern Lakes CMH Auth	2808	1,604,757	676,262	22,632,212	0	24,913,231	22,276,414	89.4%
Northfield Twp	8117	3,323,301	940,205	182,152	0	4,445,658	3,776,895	85.0%
Northpointe Bhvrl Hlth Sys	2207	3,697,716	2,358,796	11,304,604	9,704	17,370,820	14,982,062	86.2%
Northville Chtr Twp	8230	30,491,959	2,711,539	37,824,345	17,139	71,044,982	66,235,201	93.2%
Northville Dist Lib	8229	1,750,455	170,679	2,620,567	0	4,541,701	4,889,829	107.7%
Northville, City of	8208	1,944,815	440,797	19,722,618	0	22,108,230	20,395,656	92.3%
Norton Shores, City of	6106	19,846,604	1,454,281	38,071,019	85,157	59,457,061	32,043,681	53.9%
Norway, City of	2204	7,460,064	223,418	17,465,385	3,567	25,152,434	11,371,805	45.2%
Nottawaseppi Huron Band	8403	2,022,686	3,445	278,658	6,331	2,311,120	2,044,107	88.4%
Novi, City of	6320	41,605,279	4,789,351	79,919,463	99,762	126,413,855	86,128,849	68.1%
NW Mich Cmnty Hlth Agcy	1502	1,176,724	8,532	6,306,298	0	7,491,554	6,300,167	84.1%
NW Rgnl Arprt Auth	2805	2,779,250	679,094	6,084,234	0	9,542,578	9,504,346	99.6%
Oceana Co	6402	20,340,722	3,452,590	29,889,072	69,503	53,751,887	42,783,712	79.6%
Oceola Twp	4717	957,985	74,210	931,022	6,433	1,969,650	2,019,097	102.5%
Ogemaw Co	6502	8,291,877	996,255	25,994,402	20,964	35,303,498	28,152,151	79.7%
Ogemaw Co Emerg Disp Auth	6510	1,282,206	0	1,093,635	0	2,375,841	1,619,234	68.2%
Ogemaw Co EMS Auth	6508	2,448,012	769,970	3,682,251	49,135	6,949,368	5,481,117	78.9%
Ogemaw CRC	6503	4,183,671	15,910	9,237,184	0	13,436,765	9,582,727	71.3%
Olive Twp	7009	291,366	0	238,661	0	530,027	345,391	65.2%
Onaway, City of	7105	386,384	389,512	461,913	0	1,237,809	1,039,223	84.0%
Ontonagon Co	6602	4,227,767	701,984	9,181,575	7,343	14,118,669	9,807,679	69.5%
Ontonagon Co Economic Dev Corp	6605	0	0	101,351	0	101,351	68,883	68.0%
Ontonagon CRC	6604	5,683,745	642,934	25,864,484	0	32,191,163	17,999,850	55.9%
Ontonagon, Vlg of	6603	760,874	1,275,455	12,682,978	78,825	14,798,132	7,748,133	52.4%
Orchard Lake, City of	6312	1,396,253	0	4,960,560	220	6,357,033	6,084,891	95.7%
Oronoko Chtr Twp	1114	1,576,666	90,518	1,835,105	17,242	3,519,531	2,517,275	71.5%
Osceola Co	6701	11,008,900	3,293,399	14,439,745	76,470	28,818,514	25,519,812	88.6%
Osceola CRC	6703	2,384,154	79,254	7,189,809	12,876	9,666,093	5,680,685	58.8%
Oscoda Chtr Twp	3503	1,654,607	535,603	3,582,914	9,129	5,782,253	3,688,387	63.8%
Oscoda Co	6801	4,572,860	537,162	8,801,071	90,982	14,002,075	9,958,404	71.1%
Oscoda Co Dist Lib	6803	124,921	0	0	0	124,921	218,256	174.7%
Oscoda Wurtsmith Arprt Auth	6802	328,140	0	295,361	0	623,501	495,445	79.5%
Otisville, Vlg of	2506	690,448	6,857	866,898	0	1,564,203	1,210,313	77.4%
Otsego Co	6902	8,421,449	4,390,910	15,946,008	5,658	28,764,025	21,017,321	73.1%
Otsego CRC	6901	5,366,764	873,565	8,748,893	11,983	15,001,205	11,961,481	79.7%
Ottawa Co	7003	134,893,753	22,046,561	240,906,019	662,607	398,508,940	310,176,837	77.8%
Ottawa Co Central Disp Auth	7008	0	284,107	2,287,752	10,114	2,581,973	2,543,291	98.5%
Ottawa CRC	7002	17,142,069	1,336,786	46,149,611	31,505	64,659,971	39,948,490	61.8%
Otter Lake, Vlg of	4408	0	0	177,873	0	177,873	113,890	64.0%
Owosso, City of	7607	12,643,170	371,346	35,195,082	24,239	48,233,837	44,968,453	93.2%
Oxford Fire Department	6327	4,998,446	201,216	3,804,319	0	9,003,981	7,615,734	84.6%
Oxford, Vlg of	6326	2,709,883	444,852	1,278,710	1,703	4,435,148	3,160,959	71.3%
Parchment, City of	3901	894,554	126,304	2,547,716	0	3,568,574	2,549,824	71.5%





## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	3,300,281	3,122,890	50,376,444	14,765	56,814,380	35,303,947	62.1%
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	913,924	0	2,085,596	0	2,999,520	2,140,749	71.4%
Paw Paw, Vlg of	8002	3,516,149	412,999	8,697,885	44,343	12,671,376	9,416,471	74.3%
Pellston, Vlg of	2404	480,608	0	285,778	0	766,386	676,966	88.3%
Pennfield Chtr Twp	1312	2,355,226	400,694	1,648,310	8,189	4,412,419	3,178,410	72.0%
Pentwater, Vlg of	6401	687,496	11,892	1,928,225	4,243	2,631,856	2,009,918	76.4%
Perrinton, Vlg of	2909	204,193	84,928	0	3,602	292,723	210,192	71.8%
Petersburg, City of	5807	661,541	201,599	260,607	0	1,123,747	1,027,222	91.4%
Petoskey, City of	2402	14,203,562	1,369,247	20,051,352	13,500	35,637,661	32,595,708	91.5%
Pewamo, Vlg of	3407	542,644	0	0	0	542,644	508,153	93.6%
Pigeon, Vlg of	3203	519,848	166,811	514,451	0	1,201,110	1,184,652	98.6%
Pinckney, Vlg of	4706	1,333,834	216,837	3,170,731	27,135	4,748,537	3,807,831	80.2%
Pinconning, City of	0904	530,562	66,637	1,669,889	2,278	2,269,366	1,256,183	55.4%
Pittsfield Chtr Twp	8110	31,332,922	2,098,289	29,409,513	173,960	63,014,684	44,560,975	70.7%
Pleasant Ridge, City of	6301	2,591,440	511,225	4,256,819	14,480	7,373,964	4,811,812	65.3%
Plymouth Dist Lib	8221	1,582,835	203,657	4,835,085	0	6,621,577	4,341,589	65.6%
Plymouth, Chtr Twp of	8238	14,929,816	663,277	28,354,532	30,321	43,977,946	31,205,030	71.0%
Plymouth, City of	8202	0	141,281	15,270,001	0	15,411,282	10,955,978	71.1%
Pokagon Band of Potawatomi	8401	38,777,432	7,086,856	11,235,358	675,880	57,775,526	55,814,558	96.6%
Port Austin Area Swr&Wtr Auth	3210	0	0	89,424	1,838	91,262	184,394	202.0%
Port Austin, Vlg of	3208	428,504	7,352	447,272	19,037	902,165	636,890	70.6%
Port Huron Chtr Twp	7711	1,669,185	550,684	2,699,370	23,737	4,942,976	3,616,451	73.2%
Port Huron HC	7712	3,974,702	193,278	7,562,584	15,410	11,745,974	9,767,405	83.2%
Port Huron, City of	7702	33,975,127	2,979,003	137,025,562	59,518	174,039,210	150,922,131	86.7%
Port Sanilac, Vlg of	7403	547,113	0	1,184,997	4,952	1,737,062	1,081,974	62.3%
Port Sheldon Twp	7018	144,531	27,201	1,114,871	0	1,286,603	1,115,474	86.7%
Portland, City of	3401	5,206,836	1,153,522	11,431,340	0	17,791,698	11,096,093	62.4%
Pottsville, City of	2313	362,991	18,750	925,159	2,272	1,309,172	995,000	76.0%
Presque Isle Co	7104	6,231,479	997,526	9,831,121	66,834	17,126,960	11,739,315	68.5%
Presque Isle CRC	7101	3,526,849	0	8,215,807	4,249	11,746,905	7,118,551	60.6%
PRIDE Youth Programs CLD	6210	0	0	550,814	0	550,814	217,354	39.5%
Ravenna, Vlg of	6111	152,228	0	667,820	0	820,048	695,219	84.8%
Reading, City of	3003	293,226	7,228	388,467	0	688,921	539,459	78.3%
Redford Twp Dist Lib	8228	1,555,472	128,343	2,438,493	0	4,122,308	4,153,278	100.8%
Redford, Chtr Twp of	8209	11,858,802	1,879,739	45,821,836	90,132	59,650,509	32,707,207	54.8%
Reed City, City of	6702	2,946,729	378,712	6,074,015	0	9,399,456	5,765,645	61.3%
Richfield Twp (Genesee Co)	2514	2,897,919	430,955	4,384,674	30,339	7,743,887	4,371,935	56.5%
Richfield Twp (Roscommon Co)	7202	880,758	748,684	2,413,292	32,116	4,074,850	2,781,151	68.3%
Richland Twp	7310	360,062	22,469	5,862,731	13,272	6,258,534	3,104,482	49.6%
Richmond, City of	5012	1,463,345	0	2,809,264	6,651	4,279,260	2,877,422	67.2%
River Rouge, City of	8268	1,145,816	0	0	726	1,146,542	964,598	84.1%
Rochester, City of	6307	11,542,134	1,080,190	15,646,080	53,784	28,322,188	19,480,539	68.8%
Rockford, City of	4103	4,667,733	1,588,154	6,248,933	0	12,504,820	9,129,974	73.0%
Rockwood, City of	5810	1,675,983	496,771	1,673,205	0	3,845,959	3,380,554	87.9%
Rogers City, City of	7102	3,596,700	480,599	9,542,072	8,093	13,627,464	12,425,068	91.2%
Romeo Dist Lib	5006	497,693	360,418	2,911,814	3,192	3,773,117	4,244,835	112.5%
Romeo, Vlg of	5005	4,285,311	78,198	7,156,446	0	11,519,955	6,698,362	58.1%
Romulus, City of	8225	10,580,681	1,730,756	50,510,414	218,160	63,040,011	29,426,733	46.7%
Roosevelt Park, City of	6107	1,363,616	1,752,159	5,628,120	0	8,743,895	7,502,638	85.8%
Roscommon Co	7201	12,553,246	3,423,360	20,451,819	43,277	36,471,702	27,613,101	75.7%
Roscommon Co Trans Auth	7205	988,428	0	2,496,589	0	3,485,017	3,329,398	95.5%
Rose City, City of	6504	440,471	25,705	448,165	2,182	916,523	743,892	81.2%
Rose Twp	6506	63,566	0	139,351	0	202,917	494,355	243.6%
Royal Oak, Chtr Twp of	6306	344,249	1,493	1,900,826	29,644	2,276,212	4,527,833	198.9%
Saginaw Chtr Twp	7314	8,172,977	772,601	17,245,565	1,697	26,192,840	25,447,761	97.2%
Saginaw Co	7303	3,164,124	1,876,878	146,742,208	637	151,783,847	117,916,230	77.7%
Saginaw Co 911 Com Ctr	7316	0	56,660	14,823,032	0	14,879,692	12,723,287	82.5%
Saginaw Co CMH	7318	1,561,528	542,468	15,437,071	574	17,541,641	12,852,484	73.3%
Saginaw CRC	7304	12,477,151	623,183	27,257,166	86,133	40,443,633	27,462,462	67.9%
Saginaw HC	7321	81,681	534,719	4,330,632	23,755	4,970,787	2,534,612	51.0%
Saginaw Trans Sys Auth	7319	1,196,754	679,129	1,965,491	0	3,841,374	3,678,326	95.8%
Saginaw, City of	7301	28,140,056	3,217,111	334,565,463	47,426	365,970,056	178,485,865	48.8%
Saginaw, Pub Lib of	7317	570,665	943,577	1,265,322	48,648	2,828,212	3,943,708	139.4%
Saginaw-Midland Muni Wtr Corp	7305	641,319	713,286	4,057,019	0	5,411,624	4,503,359	83.2%
Saline, City of	8105	8,168,657	1,801,431	24,477,102	441	34,447,631	24,440,821	71.0%
Sandusky Dist Lib	7404	0	0	356,814	0	356,814	306,276	85.8%
Sandusky, City of	7402	2,238,846	324,298	3,831,464	49,453	6,444,061	4,271,728	66.3%
Sanilac CRC	7410	4,644,993	245,302	6,618,238	1,170	11,509,703	9,491,488	82.5%
Saranac HC	3413	726,759	0	522,115	0	1,248,874	1,139,976	91.3%
Saugatuck Twp	0305	276,616	98,744	598,859	0	974,219	592,673	60.8%
Saugatuck Twp Fire Dist	0313	512,918	46,352	104,097	0	663,367	647,684	97.6%
Saugatuck, City of	0307	276,590	239,819	1,718,748	0	2,235,157	2,492,083	111.5%
Sault Ste. Marie HC	4906	792,658	0	1,652,427	22,620	2,467,705	2,695,442	109.2%
Sault Ste. Marie Tribe of Chippewa Indians	8404	1,961,214	85,116	74,341	29,295	2,149,966	1,998,691	93.0%
Sault Ste. Marie, City of	1701	8,644,310	953,019	26,969,998	67,947	36,635,184	23,738,144	64.8%
SCCMUA	1905	1,657,444	334,594	3,542,996	0	5,535,034	4,697,657	84.9%
Schoolcraft Co	7503	9,964,461	2,055,263	31,168,403	221,680	43,409,807	25,564,676	58.9%
Schoolcraft Co Trans Auth	7506	641,317	0	1,378,870	2,228	2,022,415	1,595,299	78.9%
Schoolcraft CRC	7501	2,538,206	859,869	13,660,827	0	17,058,902	10,103,892	59.2%



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Schoolcraft Memorial Hosp	7505	4,542,063	4,056,288	20,697,384	3,820	29,299,555	25,198,876	86.0%
Scio Twp	8116	3,875,697	55,015	2,436,722	16,969	6,384,403	4,880,339	76.4%
Scottville, City of	5308	345,470	283,078	442,294	0	1,070,842	951,232	88.8%
SE Oakland Co Rsrc Rec Auth	6310	2,896,105	455,975	3,369,526	0	6,721,606	5,326,095	79.2%
SE Oakland Co Wtr Auth	6309	4,387,623	8,745	6,550,863	0	10,947,231	11,199,520	102.3%
Sebewaing, Vlg of	3205	3,324,792	512,556	5,262,955	56,755	9,157,058	10,588,525	115.6%
SEMCOG	8210	16,184,109	1,585,393	24,417,482	0	42,186,984	34,430,723	81.6%
Shepherd, Vlg of	3704	818,824	55,599	395,580	481	1,270,484	1,019,813	80.3%
Shiawassee Co	7602	34,656,144	9,422,770	104,756,535	334,819	149,170,268	144,470,574	96.8%
Shiawassee Council on Aging	7605	223,907	12,413	574,491	9,999	820,810	686,985	83.7%
Shiawassee CRC	7601	5,837,066	1,247,818	17,488,070	24,442	24,597,396	26,630,232	108.3%
Shiawassee Dist Lib	7606	605,500	321,320	1,490,565	11,875	2,429,260	2,568,468	105.7%
Shiawassee Hlth & Wellness	7609	9,119,423	4,148,115	10,545,775	0	23,813,313	19,369,603	81.3%
Sims Whitney Util Auth	0606	246,714	0	303,572	0	550,286	504,831	91.7%
SMART	8216	90,542,308	15,235,429	205,382,075	779,108	311,938,920	263,561,018	84.5%
South Haven Area ESA	8005	5,547,896	0	6,406,737	71,007	12,025,640	8,588,150	71.4%
South Haven, City of	8001	15,343,291	1,470,992	22,297,658	243,930	39,355,871	32,171,173	81.7%
South Lyon, City of	6315	11,086,540	1,226,651	10,191,142	21,680	22,526,013	15,604,629	69.3%
Southgate, City of	8262	10,185,269	1,209,752	22,486,894	0	33,881,915	21,704,413	64.1%
Sparta, Vlg of	4107	3,083,553	161,177	3,311,851	13,973	6,570,554	5,055,101	76.9%
Spring Lake Dist Lib	7016	108,509	346,742	2,605,651	9,056	3,069,958	2,610,384	85.0%
Spring Lake, Vlg of	7015	360,605	791,346	4,147,050	16,184	5,315,185	4,258,861	80.1%
Springfield, City of	1303	1,112,025	944,298	10,180,116	9,944	12,246,383	8,542,678	69.8%
St Charles, Vlg of	7308	1,200,207	219,057	3,811,382	0	5,230,646	3,863,269	73.9%
St Clair HC	7715	0	0	770,089	0	770,089	314,467	40.8%
St Clair Shores HC	5007	1,068,155	0	2,225,799	5,091	3,299,045	2,125,723	64.4%
St Clair, City of	7703	3,306,236	640,943	22,437,107	0	26,384,286	14,716,540	55.8%
St Ignace, City of	4904	3,115,361	408,143	12,398,045	635	15,922,184	8,694,295	54.6%
St Johns, City of	1902	4,104,676	137,359	15,104,058	0	19,346,093	12,772,548	66.0%
St Joseph Co	7803	16,945,049	3,994,166	39,779,555	55,818	60,774,588	51,609,275	84.9%
St Joseph Twp	1122	2,217,067	0	1,121,867	0	3,338,934	3,470,955	104.0%
St Louis HC	2908	1,226,252	0	254,480	0	1,480,732	1,476,649	99.7%
St Louis, City of	2902	1,460,374	209,781	6,604,925	0	8,275,080	8,062,154	97.4%
Stambaugh Twp	3615	0	0	278,485	0	278,485	178,844	64.2%
Standish, City of	0601	0	0	2,813,941	0	2,813,941	2,430,707	86.4%
Stanton, City of	5903	0	0	47,971	0	47,971	120,698	251.6%
Stephenson, City of	5504	413,407	0	664,242	0	1,077,649	766,873	71.2%
Sterling, Vlg of	0605	34,142	0	277,859	0	312,001	402,567	129.0%
Stockbridge, Vlg of	3316	114,675	787,425	524,604	3,951	1,430,655	1,062,874	74.3%
Sturgis HC	7805	0	146,400	76,814	0	223,214	240,715	107.8%
Summit Twp	3803	9,092,241	850,961	11,702,488	20,380	21,666,070	13,950,920	64.4%
Sumpter Twp	8226	7,301,936	1,184,074	5,466,130	32,179	13,984,319	12,581,827	90.0%
Superior Chtr Twp	8109	5,564,606	83,446	5,857,501	36,740	11,542,293	7,824,807	67.8%
Superior Dist Lib	1702	332,095	0	839,421	19,036	1,190,552	1,612,360	135.4%
Superiorland Lib Coop	5208	0	33,400	1,094,288	0	1,127,688	941,393	83.5%
Suttons Bay Bingham Fire Auth	4506	2,185,301	37,606	833,800	199	3,056,906	1,952,879	63.9%
SW Mich Comm Amb Svcs	1119	2,013,099	579,208	1,921,031	130,245	4,643,583	4,410,573	95.0%
SW Shiawassee ESA	7611	1,736,575	145,926	452,721	12,488	2,347,710	2,329,359	99.2%
Swan Creek Twp	7309	231,932	0	750,571	496	982,999	701,508	71.4%
Swartz Creek, City of	2504	462,337	0	6,783,410	0	7,245,747	6,658,234	91.9%
Sylvan Lake, City of	6314	1,393,240	275,396	2,105,357	19,399	3,793,392	3,717,703	98.0%
Tawas Police Auth	3504	0	590,942	824,512	8,648	1,424,102	939,418	66.0%
Taylor HC	8231	475,671	0	572,481	13,618	1,061,770	929,520	87.5%
The Lib Network	8218	5,379,949	312,223	4,220,019	35,810	9,948,001	8,389,368	84.3%
Three Rivers, City of	7801	6,994,388	2,285,807	14,180,667	38,867	23,499,729	16,328,615	69.5%
Tittabawassee Twp	7322	2,562,514	0	2,600,624	2,627	5,165,765	5,076,910	98.3%
Traverse Area Dist Lib	2807	2,512,827	263,382	5,145,674	15,379	7,937,262	7,194,758	90.6%
Traverse City Light & Power	2811	6,538,939	557,631	30,889,180	0	37,985,750	29,276,276	77.1%
Traverse City, City of	2801	10,855,811	1,778,939	33,858,619	0	46,493,369	27,350,729	58.8%
Trenton, City of	8203	1,073,449	100,619	48,702,471	0	49,876,539	34,881,201	69.9%
Tri-County Aging Consortium	3307	6,229,558	762,933	7,637,389	0	14,629,880	12,261,168	83.8%
Trio Council on Aging Inc CLD	6507	0	43,224	287,720	0	330,944	310,007	93.7%
Tuscarora Twp	1604	2,038,141	178,026	1,501,072	0	3,717,239	2,892,426	77.8%
Tuscola Co	7902	19,102,245	2,220,609	25,673,125	209,336	47,205,315	41,542,822	88.0%
Tuscola Co CMH	7907	11,159,024	2,242,916	11,491,546	426,925	25,320,411	23,976,908	94.7%
Tuscola Co Hlth Dpt	7901	2,945,154	702,710	11,674,511	31,800	15,354,175	12,587,811	82.0%
Tuscola Co MCF	7906	13,403,121	1,925,344	9,872,842	562,946	25,764,253	22,673,928	88.0%
Tuscola CRC	7908	1,950,810	471,114	4,968,644	0	7,390,568	6,897,408	93.3%
Twin City Pub Safety Auth CLD	3610	0	34,150	72,969	0	107,119	115,632	107.9%
Uby, Vlg of	3212	0	151,732	1,100,203	3,772	1,255,707	846,475	67.4%
Utica, City of	5008	2,881,908	0	4,171,395	47,901	7,101,204	6,253,191	88.1%
Van Buren Co	8006	20,990,771	4,037,123	28,592,673	591,560	54,212,127	38,029,362	70.1%
Van Buren Dist Lib	8007	775,485	193,902	1,569,377	18,525	2,557,289	2,760,410	107.9%
Van Buren Twp	8236	17,743,257	1,210,369	13,571,328	28,751	32,553,705	23,814,404	73.2%
Vassar, City of	7903	847,639	861,727	6,949,672	92	8,659,130	7,953,828	91.9%
Vevay Twp	3318	110,811	0	600,329	28,660	739,800	508,038	68.7%
Vicksburg Dist Lib	3904	0	2,093	152,401	0	154,494	90,610	58.6%
Vicksburg, Vlg of	3902	846,369	860,136	1,912,649	0	3,619,154	2,468,899	68.2%
Vienna, Chtr Twp of	2522	364,838	315,261	1,525,964	0	2,206,063	1,608,745	72.9%



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix B: Accrued Liabilities and Assets

Municipality Name	Number	Actuarial Accrued Liability				Total Liability	Actuarial Value of Assets <sup>1</sup>	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability			
W Iron Co Swr Auth	3612	263,102	98,632	998,237	0	1,359,971	714,862	52.6%
W Mich CMH Sys	5304	0	0	6,042,025	11,080	6,053,105	4,646,674	76.8%
W Mich Shoreline Rgnl Dev Comm	6110	1,879,895	186,430	3,282,985	0	5,349,310	5,334,699	99.7%
W UP Dist Hlth Dept	3101	1,627,545	1,811,722	13,421,398	17,063	16,877,728	11,841,570	70.2%
Wakefield, City of	2701	1,518,438	144,349	4,115,977	19,362	5,798,126	3,618,754	62.4%
Walker, City of	4112	9,294,785	158,436	19,894,123	0	29,347,344	25,296,950	86.2%
Walled Lake, City of	6324	4,733,429	2,155,732	11,405,539	52,436	18,347,136	6,890,836	37.6%
Washtenaw Co	8113	76,760,638	5,803,171	106,817,007	667,644	190,048,460	136,881,288	72.0%
Washtenaw CRC	8102	23,940,324	2,801,644	60,328,534	268,130	87,338,632	49,857,766	57.1%
Wayland, City of	0304	2,469,024	455,827	7,593,014	0	10,517,865	7,424,220	70.6%
Wayne HC	8252	511,116	0	730,037	0	1,241,153	841,876	67.8%
Wayne, City of	8242	16,614,856	5,182,839	115,736,028	153,738	137,687,461	79,943,415	58.1%
Webberville, Vlg of	3314	126,198	247,106	377,383	0	750,687	821,123	109.4%
West Branch Dist Lib	6509	372,109	0	206,363	14,885	593,357	580,601	97.9%
West Branch, City of	6505	1,439,129	59,457	6,181,408	29,290	7,709,284	4,902,828	63.6%
Westland, City of	8211	18,649,406	7,027,210	134,847,314	28,001	160,551,931	149,453,166	93.1%
Westphalia, Vlg of	1907	176,406	0	578,375	0	754,781	512,627	67.9%
Wexford Co	8302	13,123,309	3,594,586	22,488,671	68,274	39,274,840	26,843,637	68.3%
Wexford CRC	8303	5,737,030	805,395	12,835,580	13,226	19,391,231	21,692,530	111.9%
White Cloud Cmnty Lib	6208	134,940	6,359	545,156	0	686,455	504,532	73.5%
White Cloud, City of	6206	500,570	116,655	907,458	0	1,524,683	998,514	65.5%
White Cloud/Sherman Util	6211	358,313	0	305,969	0	664,282	486,351	73.2%
White Lake Chtr Twp	6325	16,383,685	1,860,598	27,222,787	194,986	45,662,056	32,081,706	70.3%
White Pigeon, Vlg of	7804	229,847	56,228	146,746	2,397	435,218	421,322	96.8%
White Pine Dist Lib	5904	111,999	0	196,197	0	308,196	195,555	63.5%
Whitehall, City of	6105	3,197,016	166,674	4,555,905	0	7,919,595	6,934,361	87.6%
Willard Pub Lib	1308	3,879,656	1,004,007	2,311,305	12,242	7,207,210	6,478,980	89.9%
Williamston, City of	3310	1,157,140	363,401	3,916,027	11,482	5,448,050	4,102,579	75.3%
Wixom, City of	6316	12,561,975	947,229	32,769,009	14,252	46,292,465	43,599,539	94.2%
Wolverine Lake, Vlg of	6329	2,294,946	521,652	1,845,518	58,010	4,720,126	3,669,091	77.7%
WUPPDR	3108	299,554	99,068	1,249,313	0	1,647,935	1,667,143	101.2%
Ypsilanti Cmnty Util Auth	8106	18,853,482	1,084,250	47,266,552	65,614	67,269,898	46,613,737	69.3%
Ypsilanti HC	8115	237,420	99,417	636,627	9,681	983,145	1,170,444	119.1%
Ypsilanti, City of	8101	5,389,756	1,532,344	11,367,268	142,375	18,431,743	22,802,752	123.7%
Ypsilanti, Twp of	8104	9,504,289	1,668,713	18,399,951	156,030	29,728,983	21,559,662	72.5%
Totals - Active Groups	733	4,718,705,563	805,346,420	11,946,408,570	44,610,789	17,515,071,342	12,691,582,844	
Totals - Closed Groups	13	0	1,782,402	15,979,454	5,960	17,767,816	19,452,854	
Totals- MERS	746	4,718,705,563	807,128,822	11,962,388,024	44,616,749	17,532,839,158	12,711,035,698	

<sup>1</sup> For Closed Employers the Actuarial Value of Assets is equal to the Market Value of Assets.



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
21st Dist Ct	8243	60,516	105,408	165,924
23rd Jud Dist Ct	8223	10,296	122,136	132,432
26th Jud Cir Ct	0403	51,156	103,068	154,224
34th Dist Ct	8235	181,776	511,092	692,868
35th Dist Ct	8234	(11,652)	148,428	136,776
41 B Dist Ct	5014	96,288	334,260	430,548
Addison Fire and EMS	4607	0	13,128	13,128
Adrian, City of	4601	287,748	2,043,312	2,388,636
Aitkin Memorial Dist Lib	7407	0	(9,492)	0
Albion, City of	1301	53,052	152,424	229,992
Alcona Co	0101	256,968	651,876	908,844
Alger Co	0203	183,012	498,636	684,540
Alger CRC	0201	131,916	384,948	516,864
Algonac, City of	7707	14,964	107,208	122,172
Allegan Co	0302	196,236	72,468	268,704
Allegan CRC	0301	244,356	1,186,896	1,431,252
Allegan, City of	0309	76,356	231,108	307,464
Alma, City of	2901	248,016	564,468	920,124
Almont, Vlg of	4407	54,396	67,968	122,364
Alpena Co	0401	108,144	816,072	1,002,972
Alpena CRC	0402	54,720	425,676	480,396
Alpena HC	0406	56,688	1,884	58,572
Alpena Sr Citizens Ctr	0404	0	105,096	105,096
Alpha, Vlg of	3614	0	(4,464)	0
Antrim Co	0502	823,080	1,449,648	2,272,728
Antrim CRC	0501	107,952	679,740	787,692
Arenac Co	0603	61,704	439,164	500,868
Arenac CRC	0604	41,088	416,832	457,920
Armada Twp	5022	68,724	1,572	70,296
Ash Twp	5804	23,112	47,784	70,896
Au Gres, City of	0602	0	98,316	98,316
Auburn, City of	0905	0	69,168	74,784
Bad Axe Area Dist Lib	3214	4,404	3,828	8,232
Bad Axe, City of	3211	95,472	131,916	227,388
Bancroft, Vlg of	7610	0	7,968	7,968
Bangor, City of	8003	50,136	(64,632)	0
Baraga Co	0702	146,928	213,792	360,720
Baraga Co Memorial Hosp	0703	60,540	1,210,260	1,270,800
Baraga CRC	0701	66,048	331,104	397,152
Baraga, Vlg of	0704	81,840	225,024	306,864
Baroda Lake Twp Police Dept	1109	67,644	27,564	95,208
Barry Co	0802	1,862,184	2,553,516	4,437,876
Barry Co CMH Auth	0804	514,584	348,876	863,460
Barry Eaton Dist Hlth Dept	2303	59,616	476,904	536,520
Barton Hills, Vlg of	8107	1,140	8,880	10,020
Bates Twp	3616	0	26,076	26,076
Bath Chtr Twp	1909	(66,216)	296,052	229,836
Battle Creek, City of	1302	1,161,540	6,521,364	7,699,728
Bay Area Trans Auth	2810	460,536	55,608	516,144
Bay City HC	0906	6,420	49,032	55,452
Bay City, City of	0901	46,572	402,696	458,748
Bay Metro Trans Auth	0907	280,668	761,688	1,042,356
Beecher Metro Dist Swg&Wtr	2501	28,056	145,788	173,844
Belding, City of	3410	16,788	119,172	146,664
Belleville, City of	8213	71,868	344,424	416,292
Benton Harbor, City of	1120	108,588	1,611,648	1,720,236
Benzie Co	1003	203,016	706,656	909,672
Benzie Co Comm on Aging CLD	1006	0	43,872	43,872
Benzie Co MCF (The Maples)	1004	197,724	133,992	331,716
Benzie CRC	1001	89,256	303,612	392,868
Benzie Shores Dist Lib	1005	0	3,780	3,780
Benzie Trans Auth	1007	19,380	(31,020)	0
Benzie/Leelanau Dist Hlth Dept	4504	11,808	25,116	36,924
Berkley, City of	6304	202,764	936,588	1,190,244
Berrien Springs, Vlg of	1102	40,464	19,812	60,276
Bessemer, City of	2702	61,608	77,472	139,080
Beverly Hills, Vlg of	6321	125,688	802,332	928,020
Big Rapids HC	5406	0	(11,820)	0
Big Rapids, City of	5402	17,220	907,368	924,588
Bingham Farms, Vlg of	6332	8,256	12,816	21,072



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Birch Run, Vlg of	7315	21,336	30,420	51,756
Bishop Intl Arprt Auth	2507	62,100	242,148	304,248
Blackman Chtr Twp	3806	70,068	406,044	476,112
Blissfield, Vlg of	4606	167,400	64,548	231,948
Bloomfield Hills, City of	6302	246,816	1,502,124	1,748,940
Blue Water Area Trans Comm	7709	484,248	292,956	777,204
Boyne City HC	1508	26,580	35,280	61,860
Boyne City, City of	1506	35,736	47,088	82,824
Branch Co	1205	446,820	1,560,540	2,116,080
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	103,320	445,500	548,820
Brandon Chtr Twp of	6333	167,016	190,836	357,852
Breckenridge,Vlg of	2906	14,928	202,440	217,368
Bridgeport Chtr Twp	7307	146,544	320,340	466,884
Bridgman, City of	1110	66,432	57,120	123,552
Briggs Dist Lib	1915	0	45,900	45,900
Brighton Area Fire Auth	4715	0	3,912	3,912
Brighton, Chtr Twp of	4711	45,192	54,612	99,804
Brighton, City of	4704	229,224	849,588	1,078,812
Britton, Vlg of	4604	1,764	(51,420)	0
Bronson, City of	1204	(22,116)	74,652	52,536
Brooklyn, Vlg of	3801	33,684	33,804	67,488
Brownstown, Chtr Twp of	8247	344,388	1,112,172	1,456,560
Buchanan Dist Lib	1108	3,072	(2,256)	816
Buchanan, City of	1101	154,740	12,912	167,652
Buena Vista Chtr Twp	7312	93,576	374,316	474,924
Burton, City of	2508	(32,208)	2,958,120	2,968,836
Butman Twp CLD	2604	0	828	828
Cadillac, City of	8301	301,764	447,960	749,724
Cadillac/Wexford Trans Auth	8305	92,388	48,780	141,168
Calhoun Co	1311	1,220,940	1,151,136	2,372,076
Calhoun Co Conso Disp Auth	1316	46,032	219,636	265,668
Canton Pub Lib	8232	49,752	80,460	130,212
Canton, Chtr Twp of	8233	2,472,132	4,461,072	6,933,204
Capac, Vlg of	7705	0	221,004	221,004
Capital Area Dist Lib	3317	155,148	288,432	443,580
Capital Region Arprt Auth	3305	262,128	525,828	787,956
Carleton, Vlg of	5805	19,692	41,292	60,984
Carrollton Twp	7320	74,820	85,536	160,356
Cascade Chtr Twp	4110	33,264	369,504	402,768
Caseville, City of	3207	55,944	120,972	176,916
Caspian, City of	3608	13,980	58,800	72,780
Cass Co	1402	256,332	598,044	864,744
Cass Co MCF	1403	293,184	2,472	295,656
Cass Dist Lib	1404	23,424	9,588	33,012
Cedar Springs, City of	4105	37,332	62,952	100,284
Center Line, City of	5001	25,344	508,176	547,176
Central Lake, Vlg of	0504	27,684	3,492	31,176
Central Mich Dist Hlth Dept	3705	65,676	628,200	693,876
Charlevoix Co	1503	1,528,404	1,801,416	3,329,820
Charlevoix CRC	1501	221,100	309,732	532,284
Charlevoix, City of	1505	192,624	556,920	749,544
Charlotte Comm Lib	2309	21,732	46,932	68,664
Charlotte, City of	2301	242,196	947,184	1,199,076
Cheboygan Co	1603	632,688	968,832	1,601,520
Cheboygan CRC	1601	125,148	1,095,276	1,228,404
Cheboygan, City of	1602	128,952	482,880	611,832
Chelsea Area Fire Auth	8118	90,600	30,528	121,128
Chelsea, City of	8103	12,384	229,224	241,608
Chesaning, Vlg of	7313	(8,556)	294,768	300,120
Chesterfield Twp	5009	910,032	1,387,632	2,297,664
Chesterfield Twp Lib	5010	55,608	0	55,608
Chikaming Twp	1112	51,588	76,248	127,836
Chippewa Co	1703	619,944	1,562,016	2,238,444
Chippewa Co - Emplmt & Trng CLD	1710	0	0	0
Chippewa CRC	1704	388,560	1,018,332	1,406,892
Chippewa River Dist Lib	3707	74,100	85,056	159,156
Chocolay, Chtr Twp of	5218	39,204	4,548	43,752
Clare Co	1802	505,872	792,876	1,298,748
Clare Co Trans Auth	1806	21,108	6,012	27,120
Clare CRC	1801	104,868	555,420	660,288



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Clare, City of	1804	150,300	419,772	570,072
Clawson, City of	6305	30,840	342,024	372,864
Clay Twp	7706	138,720	29,760	168,480
Clearwater Twp	4005	0	4,164	4,164
Clinton Co	1903	432,204	(21,876)	419,352
Clinton CRC	1901	192,744	969,468	1,162,212
Clinton Twp	5002	707,796	3,462,600	4,267,104
Clinton, Vlg of	4602	52,980	15,036	68,016
Clinton-Eaton-Ingham CMH	3308	5,060,112	6,880,092	11,950,140
Clio, City of	2523	19,476	64,956	84,432
CMH for Central Mich	3708	3,380,112	104,520	3,484,632
Coldwater Brd of Pub Util	1203	47,232	957,816	1,005,048
Coldwater, City of	1201	24,168	735,252	759,420
Coleman, City of	5603	19,632	120,132	139,764
Coloma Chtr Twp	1107	42,120	103,644	145,764
Coloma, City of	1118	10,068	5,196	15,264
Columbiaville, Vlg of	4406	4,884	15,120	20,004
Constantine, Vlg of	7806	30,900	(9,972)	20,928
Coopersville Area Dist Lib	7011	0	20,232	21,012
Coopersville, City of	7005	85,368	105,084	190,452
Corunna City of	7604	93,684	(32,436)	86,736
Corwith Twp	6904	2,040	0	2,040
Covert Twp	8010	35,916	41,040	76,956
Crawford Co	2001	87,732	195,444	283,176
Crawford Co Trans Auth	2004	54,660	101,052	155,712
Crawford CRC	2002	112,488	601,404	713,892
Croswell, City of	7401	81,636	407,544	489,180
Crystal Falls Cmnty Hosp CLD	3618	0	125,364	125,364
Crystal Falls, City of	3603	66,384	416,616	483,000
Ctrl Wayne Co Sanitation Auth	8214	0	23,796	23,796
Davison Richfield Sr CCA	2525	4,176	14,436	18,612
Davison Twp	2519	175,632	433,152	608,784
Davison, City of	2516	108,972	728,292	837,264
Dearborn, City of	8251	2,377,728	215,316	2,593,044
Deerfield, Vlg of	4603	20,484	57,768	78,252
Delta Area Transit Auth	2107	20,712	8,556	29,268
Delta Chtr Twp	2306	140,220	492,096	632,316
Delta Co	2102	223,908	2,427,780	2,651,688
Delta CRC	2105	184,056	641,316	825,372
Delta-Menominee Dist Hlth Dept	2103	172,128	232,128	404,256
Detour, Vlg of	1706	24,420	47,616	72,036
Detroit HC	8241	198,300	93,384	307,224
DeWitt Chtr Twp	1910	72,588	181,488	254,076
DeWitt, City of	1908	68,520	151,776	220,296
Dexter Area Fire Dept	8219	58,260	54,144	112,404
Dexter Twp	8111	0	29,352	29,352
Dexter, City of	8217	19,704	176,832	196,536
Dickinson Co	2206	333,252	1,709,184	2,042,436
Dickinson CRC	2203	74,844	748,236	823,080
Dickinson-Iron Dist Hlth Dept	3605	79,608	269,580	349,188
Dimondale, Vlg of	2304	2,676	33,624	36,300
Dist Hlth Dept # 4	7103	148,416	901,296	1,049,712
Dist Hlth Dept #10	5104	708,708	965,832	1,674,540
Dist Hlth Dept #2	6501	16,908	214,908	231,816
Douglas, City of Vlg of	0303	107,604	21,048	128,652
Dowagiac Dist Lib	1406	12,288	3,108	15,396
Dowagiac HC	1405	22,464	6,936	29,400
Dowagiac, City of	1401	215,424	1,092,180	1,307,604
Drummond Island Twp	1708	11,388	2,376	13,764
Dryden, Vlg of	4405	4,896	8,868	13,764
Dundee, Vlg of	5803	19,980	0	19,980
Durand, City of	7603	99,120	267,276	366,396
E UP Reg Planning & Dev Comm	1709	21,060	(21,576)	0
E UP Trans Auth	1705	158,100	630,492	788,592
East China Chtr Twp	7701	47,580	351,060	398,640
East Jordan, City of	1504	90,156	161,712	251,868
East Lansing, City of	3301	2,163,768	6,989,232	9,153,000
Eastpointe HC	5011	10,764	44,964	55,728
Eastpointe, City of	5019	587,664	4,805,520	5,393,184
Eaton Co	2302	687,024	6,071,208	6,758,232



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Eaton Co Hlth & Rehab Svcs	2305	530,544	186,780	717,324
Eaton Rapids, City of	2307	76,956	510,936	598,464
Eau Claire, Vlg of	1104	528	28,500	29,028
Ecorse, City of	8206	164,952	1,464,996	2,015,724
Elk Rapids, Vlg of	0506	50,424	88,176	138,600
Elkton, Vlg of	3206	552	(14,496)	5,952
Elsie, Vlg of CLD	1906	0	0	0
Emmet CRC	2401	58,332	1,172,880	1,231,212
Emmett, Chtr Twp	1310	(18,756)	175,716	156,960
Erie, Twp of	5812	13,308	1,548	14,856
Escanaba, City of	2101	64,632	2,553,468	2,618,100
Essexville, City of	0903	33,780	205,788	288,144
Ewart, City of	6705	58,296	102,480	160,776
Farmington Cmnty Lib	6319	11,484	263,640	275,124
Farmington, City of	6343	345,828	730,680	1,154,172
Farwell, Vlg of	1805	12,228	15,948	28,176
Fenton, City of	2505	307,344	414,588	723,360
Ferndale HC	6345	13,824	21,096	34,920
Ferrysburg, City of	7106	14,364	69,000	83,364
Flat Rock, City of	8212	128,148	1,783,176	1,968,852
Flint Pub Lib	2518	120,804	20,280	141,084
Flint, Chtr Twp of	2512	329,592	1,535,964	1,865,556
Flint, City of	2530	1,423,848	57,439,476	58,986,648
Flushing, Chtr Twp of	2515	36,420	278,412	314,832
Flushing, City of	2502	83,196	986,748	1,069,944
Forsyth Twp	5212	103,824	368,484	478,992
Fowler, Vlg of	1904	17,196	16,608	33,804
Fowlerville Dist Lib	4710	408	13,464	13,872
Fowlerville, Vlg of	4705	0	69,672	69,672
Frankenmuth Wickson Dist Lib	7323	0	10,668	10,668
Frankenmuth, City of	7306	143,352	574,728	718,080
Frankfort, City of	1002	53,664	189,468	243,132
Franklin, Vlg of	6323	79,140	348,168	493,680
Fraser, City of	5003	382,128	2,931,972	3,368,604
Fremont Area Dist Lib	6209	39,384	61,896	101,280
Fremont, City of	6203	194,736	570,192	764,928
Gaastra, City of	3617	7,632	20,496	28,128
Garden City, City of	8255	722,220	4,190,520	4,912,740
Gaylord, City of	6903	239,544	719,160	958,704
Genesee Chtr Twp	2510	277,332	1,004,400	1,281,732
Genoa Twp	4713	14,520	16,092	30,612
Gerald R. Ford Intl Arpt Auth	4116	496,524	(675,876)	237,024
Gladstone, City of	2106	22,308	1,354,920	1,377,228
Gladwin City HC	2608	68,448	124,548	192,996
Gladwin Co	2602	381,120	973,068	1,354,188
Gladwin Co Dist Lib	2607	21,708	31,644	53,352
Gladwin CRC	2601	73,644	234,132	307,776
Gladwin, City of	2605	96,660	43,680	144,072
Gogebic-Iron WWTR Auth	2703	36,360	124,644	161,004
Grand Beach, Vlg of	1117	32,496	0	32,496
Grand Blanc Chtr Twp	2511	162,480	993,312	1,155,792
Grand Blanc, City of	2513	136,332	247,680	384,012
Grand Haven BLP	7026	148,980	86,364	235,344
Grand Haven, City of	7010	117,936	2,484,276	2,602,212
Grand Ledge Area Dist. Lib	2316	6,432	156	6,588
Grand Ledge Area ESA	2310	74,100	62,280	136,380
Grand Ledge, City of	2312	47,904	168,564	216,468
Grand Rapids HC	4108	0	65,688	65,688
Grand Traverse Co	2803	284,112	457,452	741,564
Grand Traverse CRC	2802	0	135,456	135,456
Grand Traverse Pavilions	2809	652,932	406,176	1,059,108
Grandville, City of	4102	43,716	1,016,724	1,060,440
Gratiot Co	2905	98,688	476,604	575,292
Gratiot CRC	2903	267,804	428,556	696,360
Grayling, City of	2003	9,120	134,160	148,452
Green Oak Chtr Twp	4708	148,524	340,608	489,132
Greenville, City of	5906	(85,872)	207,348	121,476
Grosse Ile Twp	8207	502,116	1,372,980	1,875,096
Grosse Pointe Park, City of	8201	352,188	2,345,928	2,698,116
Grosse Pointe-Clinton Ref CLD	5004	0	35,088	35,088



# MERS December 31, 2022 Valuation - Results by Municipality

## Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Groveland Twp	6335	52,716	(107,940)	28,284
Hackley Pub Lib	6114	64,608	13,056	77,664
Hamburg Twp	4709	128,196	273,024	401,220
Hamtramck HC	8250	149,460	90,372	239,832
Hamtramck, City of	8205	217,716	5,734,188	5,951,904
Hancock, City of	3107	81,600	191,904	273,504
Harbor Beach, City of	3201	101,832	362,472	464,304
Harbor Springs Area Swg Auth	2406	16,500	32,892	49,392
Harbor Springs, City of	2405	16,860	277,788	294,648
Harper Woods, City of	8260	253,860	3,203,208	3,457,068
Harrison Dist Lib	1807	0	13,596	13,596
Harrison, City of	1803	48,468	165,576	214,044
Hartland Deerfield Fire Auth	4716	40,980	6,996	47,976
Hastings, City of	0801	149,364	848,292	1,001,772
Hazel Park, City of	6336	534,204	4,209,252	4,780,380
Helen Newberry Joy Hosp	4805	12,924	1,258,152	1,271,076
Henika Dist Lib	0310	13,740	3,792	17,532
Herrick Dist Lib	7012	28,092	166,704	194,796
Hesperia, Vlg of	6214	6,720	(3,012)	3,708
Hiawatha Bhvrl Hlth	1707	36,540	918,768	955,308
Hillsdale Co	3005	(20,832)	321,636	300,804
Hillsdale CRC	3004	120,000	321,804	441,804
Hillsdale HC	3007	16,632	6,336	22,968
Hillsdale, City of	3001	215,376	430,464	868,296
Hlth Source of Saginaw	7311	312,024	2,009,364	2,350,200
Holland Area Cmnty Pool Auth	7014	27,852	0	27,852
Holland Cmnty Hosp CLD	7006	0	0	0
Holland, City of	7001	685,080	2,354,988	3,040,068
Holly, Vlg of	6317	136,884	698,016	1,040,880
Homer, Vlg of	1304	44,556	17,916	62,472
Houghton Co	3102	278,028	1,150,452	1,428,480
Houghton CRC	3103	101,148	115,680	216,828
Houghton Lake Pub Lib	7203	23,436	14,448	37,884
Houghton, City of	3109	146,748	157,752	304,500
Howard City, Vlg of	5902	0	(4,068)	0
Howard Twp	1106	10,116	5,628	15,744
Howell Area Fire Auth	4714	87,372	14,244	101,616
Howell, City of	4702	237,132	1,037,604	1,274,736
Howell-Carnegie Dist Lib	4707	57,240	34,248	91,488
Hudsonville, City of	7004	0	67,572	67,572
Huntington Woods, City of	6303	145,776	961,236	1,107,012
Hurley Med Ctr	2521	1,468,080	25,275,300	26,743,380
Huron Bhvrl Hlth	3215	238,080	479,592	717,672
Huron Chtr Twp	8224	303,036	992,124	1,305,720
Huron Co	3204	1,172,472	3,023,052	4,195,524
Huron CRC	3202	143,820	678,348	822,168
Imlay City, City of	4404	93,408	335,388	428,796
Independence Twp	6328	170,424	444,168	614,592
Indianfields Twp CLD	7905	0	0	0
Ingham Co	3303	5,818,740	18,664,536	24,780,768
Interurban Trans Auth	0308	28,284	52,560	80,844
Ionia Cmnty Lib	3412	21,432	29,676	51,108
Ionia Co	3408	162,156	1,581,396	1,743,552
Ionia HC	3406	13,404	25,044	38,448
Ionia, City of	3403	369,612	1,255,668	1,625,280
Iosco Co	3501	281,796	1,418,556	1,700,352
Iosco CRC	3502	36,276	370,452	406,728
Iron Co	3606	367,452	697,296	1,064,748
Iron Co HC	3611	14,484	46,176	60,660
Iron CRC	3602	174,504	771,336	945,840
Iron Mountain, City of	2201	78,420	892,404	970,824
Iron Mountain-Kingsford Swg	2205	13,008	36,492	49,500
Iron River, City of	3601	50,484	461,748	512,232
Ironwood, City of	2706	216,552	881,640	1,098,192
Isabella Co	3703	318,180	2,750,520	3,108,144
Isabella Co Trans Comm	3709	31,668	(1,224)	30,444
Isabella CRC	3702	75,024	442,188	523,464
Ishpeming Area Joint Wwtr Trtm	5207	38,208	(576)	37,632
Ishpeming Twp	5216	34,164	(348)	33,816
Ishpeming, City of	5204	100,008	120,300	220,308





## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Ithaca, City of	2904	13,512	358,548	372,060
Jackson Dist Lib	3802	169,728	133,824	303,552
Jackson Trans Auth	3805	154,584	272,616	427,200
Jordan Valley Dist Lib	1507	5,712	5,016	10,728
Jordan Valley EMS Auth	1509	27,852	21,972	49,824
Kalamazoo Lake Swr & Wtr Auth	0306	62,640	33,420	96,060
Kalamazoo Pub Lib	3903	417,108	87,084	504,192
Kalamazoo, Chtr Twp of	3907	35,472	373,044	408,516
Kalkaska Co	4003	370,632	807,156	1,177,788
Kalkaska CRC	4002	35,220	614,040	661,548
Kalkaska Pub Trans Auth	4004	38,256	91,248	129,504
Kalkaska, Vlg of	4001	83,868	322,488	406,356
Keego Harbor, City of	6322	21,672	274,044	297,792
Kent CRC	4111	0	(8,772)	0
Keweenaw Co	4202	88,716	88,872	177,588
Keweenaw CRC	4201	91,884	365,940	457,824
Kinde, Vlg of	3209	0	(2,400)	0
Kingsford, City of	2202	78,756	391,524	470,280
L.M.A.S. Dist Hlth Dept	4803	104,952	381,924	486,876
Lac Vieux Desert Band	8402	21,480	780	22,260
Laingsburg, City of	7608	22,836	15,648	38,484
Lake Co	4301	204,912	474,984	679,896
Lake CRC	4302	154,044	489,912	643,956
Lake Linden, Vlg of	3105	22,200	64,092	86,856
Lake Odessa, Vlg of	3402	7,944	6,996	14,940
Lake Orion, Vlg of	6318	12,132	276,528	288,660
Lakeland Lib Coop	4106	25,224	1,932	27,156
Lakeshore Coordinating Council CLD	7007	0	55,212	55,212
Lakeview Cemetery	2407	6,648	0	6,648
L'Anse, Vlg of	0705	129,732	351,744	481,476
Lansing Chtr Twp	3320	167,940	135,768	303,708
Lansing HC	3311	25,908	16,992	105,972
Lapeer Co	4403	3,692,736	2,296,080	5,988,816
Lapeer CRC	4402	97,332	87,768	231,540
Lapeer Dist Lib	4410	45,396	189,744	235,140
Lapeer, City of	4401	666,228	1,109,532	1,775,760
Lathrup Vlg, City of	6311	31,356	250,752	338,088
Laurium, Vlg of	3104	20,532	131,124	151,656
Lawrence, Vlg of	8004	0	4,248	8,412
Leelanau Co	4501	661,272	436,776	1,098,048
Leelanau CRC	4503	22,692	0	22,692
Leoni Twp	3804	8,304	290,676	298,980
Leslie Twp	3319	5,616	4,380	9,996
Leslie, City of	3313	49,572	65,760	115,332
Lexington, Vlg of	7708	17,904	165,480	184,356
Lima Twp	8112	10,656	696	11,352
Lincoln Park, City of	8244	192,252	3,003,660	3,195,912
Litchfield, City of	3006	34,752	87,444	122,196
Livingston Co	4703	2,469,084	5,039,892	7,509,672
Livingston Co CMH Auth	4712	287,124	854,172	1,141,296
Livingston CRC	4701	403,980	911,292	1,315,272
Looking Glass Rgnl Fire CLD	2311	0	720	720
Loutit Dist Lib	7013	65,304	101,700	167,004
Lowell, City of	4104	113,508	505,356	618,864
Luce Co	4804	96,852	421,092	517,944
Luce Co Amb Svs	4806	15,432	12,960	28,392
Luce CRC	4801	93,732	678,504	772,236
Ludington, City of	5302	301,644	702,684	1,004,328
Luna Pier, City of	5802	5,712	352,632	358,344
Lyons, Vlg of	3411	0	5,148	5,148
Mackinac Co	4901	55,740	529,140	584,880
Mackinac Co HC	4905	36	10,884	10,920
Mackinac CRC	4903	66,240	272,484	338,724
Mackinac Straits Hlth Sys	4902	1,392,492	940,380	2,337,120
Mackinaw City, Vlg of	1606	22,860	30,948	53,808
Madison Heights, City of	6308	110,100	509,616	619,716
Madison, Chtr Twp of	4605	92,076	53,676	145,752
Manistee Co	5101	701,592	1,677,036	2,610,780
Manistee Co Trans Auth	5109	149,760	15,708	165,468
Manistee CRC	5103	151,548	331,344	593,268



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### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Manistee HC	5107	12,888	0	12,888
Manistee, City of	5105	275,904	595,152	871,056
Manistique HC	7508	0	39,372	39,372
Manistique, City of	7504	290,904	901,188	1,192,092
Manlius Twp	0311	4,344	21,588	25,932
Manton, City of	8304	22,128	218,148	240,276
Marenisco Twp	2704	9,456	20,652	30,108
Marion, Vlg of	6704	8,508	17,448	27,396
Marlette, City of	7405	39,144	81,024	120,168
Marquette Brd of Light & Power	5209	90,180	1,768,764	1,867,188
Marquette Chtr Twp	5215	109,284	82,092	191,376
Marquette Co	5202	983,268	3,357,372	4,340,664
Marquette Co Solid Waste Mgmt	5213	77,124	59,760	136,884
Marquette Co Trans Auth	5206	109,884	73,908	183,792
Marquette CRC	5211	171,336	1,631,964	1,803,300
Marquette, City of	5201	669,348	3,663,660	4,333,008
Marshall Area Firefighters Amb	1313	31,008	58,176	89,184
Marshall Dist Lib	1309	0	40,188	40,188
Marshall, City of	1306	246,024	1,747,848	1,993,872
Mason Co	5301	1,136,160	1,684,968	2,821,128
Mason Co Dist Lib	5303	52,860	63,180	116,040
Mason CRC	5305	257,244	337,848	595,092
Mason, City of	3304	85,764	461,016	591,648
Mason-Oceana 911	6403	72,828	44,316	117,144
MBS Intl Arpt	0902	134,100	516,288	657,816
Meceola Central Disp	5405	20,640	73,536	94,176
Mecosta Co	5403	121,440	3,300	137,772
Mecosta Co General Hosp CLD	5404	0	109,740	109,740
Mecosta CRC	5401	68,400	136,776	205,176
Melvindale HC	8220	21,372	31,452	52,824
Melvindale, City of	8215	52,512	3,911,196	3,963,708
Menominee Co	5502	285,168	1,315,908	1,624,824
Menominee CRC	5503	3,624	323,544	327,168
Menominee, City of	5501	146,040	355,188	501,228
Meridian Chtr Twp	3315	602,364	2,846,856	3,449,220
MERS	2308	1,628,844	889,464	2,518,308
Metamora Twp	4409	46,992	21,456	68,448
Metro Police Auth of Genesee Co	2532	212,796	153,696	366,492
Mich Muni Risk Mgmt Auth	8237	45,384	(73,464)	0
Mich S Central Power Agcy	3002	0	(20,532)	0
Middleville, Vlg of	0803	33,264	45,960	79,224
Midland Co Central Disp Auth	5604	85,104	139,860	224,964
Midland CRC	5602	131,760	1,268,484	1,400,244
Midland, City of	5601	832,560	6,644,244	7,481,556
Mid-Mich Dist Hlth Dept	5901	306,852	337,596	644,448
Mid-Mich Lib League	8306	10,908	15,396	26,304
Milan Lib	5806	12,348	12,804	25,152
Milan, City of	5801	53,112	1,073,616	1,134,540
Milford, Vlg of	6313	212,700	405,168	633,708
Millington, Vlg of	7904	10,404	12,852	23,256
Missaukee Co	5702	138,624	187,836	326,460
MOA Solid Waste Mgmt Auth	6002	31,248	17,688	48,936
Monroe HC	5808	89,976	140,256	230,232
Montague, City of	6112	106,008	91,500	197,508
Montcalm Care Network	5909	0	(946,884)	0
Montcalm Co	5907	288,372	609,012	897,384
Montcalm CRC	5905	178,176	915,036	1,093,212
Montmorency Co	6001	197,832	441,432	639,264
Montrose, City of	2509	4,488	8,544	13,032
Mt. Morris Chtr Twp	2503	262,260	1,875,408	2,137,668
Mt. Pleasant, City of	3701	457,584	1,134,864	1,592,448
Muir, Vlg of	3405	0	3,972	3,972
Mundy, Chtr Twp of	2517	26,184	41,916	68,100
Munising, City of	0202	109,032	445,920	554,952
Muskegon Area Dist Lib	6117	128,280	13,296	141,576
Muskegon Chtr Twp	6108	85,524	278,568	364,092
Muskegon Co	6103	1,173,180	7,061,820	8,235,000
Muskegon CRC	6101	308,232	878,412	1,195,212
Muskegon Ctrl Dispatch 911	6109	151,548	238,152	389,700
Muskegon HC	6113	23,892	31,968	55,860



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Muskegon Heights HC	6115	16,164	110,052	126,216
Muskegon Heights, City of	6102	268,932	1,550,976	1,819,908
Muskegon, City of	6116	363,828	4,686,672	5,050,500
N Houghton Co Wtr&Swg Auth	3106	11,388	25,104	36,492
N Muskegon, City of	6104	27,744	266,124	293,868
Nashville, Vlg of	0807	16,224	6,252	22,476
Negaunee Twp	5217	8,688	0	8,688
Negaunee, City of	5203	171,576	615,144	786,720
Network180	4109	202,080	967,944	1,170,024
New Baltimore, City of	5016	220,020	348,804	580,968
New Buffalo Twp	1121	40,512	0	40,512
New Buffalo, City of	1113	70,980	0	70,980
Newaygo CMH	6207	0	6,312	6,312
Newaygo Co	6201	31,152	646,764	677,916
Newaygo CRC	6212	128,844	240,576	369,420
Newaygo MCF	6204	64,152	118,068	185,868
Newaygo Soil & Wtr Cnsvrn Dist	6205	7,536	2,712	10,248
Newberry, Vlg of	4802	61,680	172,476	234,156
Niles Dist Lib	1105	8,376	33,072	41,448
Niles, City of	1115	425,976	909,948	1,335,924
Northern Lakes CMH Auth	2808	240	475,236	475,476
Northfield Twp	8117	23,820	57,180	81,000
Northpointe Bhvrl Hlth Sys	2207	143,148	388,368	546,144
Northville Chtr Twp	8230	1,535,280	571,020	2,106,300
Northville Dist Lib	8229	160,452	0	160,452
Northville, City of	8208	29,304	1,504,584	1,533,888
Norton Shores, City of	6106	499,812	2,330,016	2,868,276
Norway, City of	2204	76,560	1,326,048	1,402,608
Nottawaseppi Huron Band	8403	168,324	33,252	201,576
Novi, City of	6320	850,848	4,768,836	5,619,684
NW Mich Cmnty Hlth Agcy	1502	12,684	196,056	208,740
NW Rgnl Arprt Auth	2805	79,944	4,992	84,936
Oceana Co	6402	367,416	1,775,760	2,269,500
Oceola Twp	4717	30,792	0	30,792
Ogemaw Co	6502	130,584	1,736,496	1,867,080
Ogemaw Co Emerg Disp Auth	6510	17,856	132,348	150,204
Ogemaw Co EMS Auth	6508	227,088	126,480	353,568
Ogemaw CRC	6503	115,092	314,892	429,984
Olive Twp	7009	3,600	15,456	19,056
Onaway, City of	7105	3,024	16,524	19,548
Ontonagon Co	6602	171,420	375,960	547,380
Ontonagon Co Economic Dev Corp	6605	0	3,612	3,612
Ontonagon CRC	6604	321,780	1,532,280	1,854,060
Ontonagon, Vlg of	6603	25,560	577,452	603,012
Orchard Lake, City of	6312	16,068	74,136	103,176
Oronoko Chtr Twp	1114	41,508	108,636	150,144
Osceola Co	6701	517,080	278,604	795,684
Osceola CRC	6703	77,184	335,460	412,644
Oscoda Chtr Twp	3503	100,668	194,544	295,212
Oscoda Co	6801	304,788	349,224	654,012
Oscoda Co Dist Lib	6803	36	(13,584)	0
Oscoda Wurtsmith Arprt Auth	6802	21,180	10,572	31,752
Otisville, Vlg of	2506	27,672	29,448	57,120
Otsego Co	6902	237,264	820,440	1,078,284
Otsego CRC	6901	86,964	521,448	608,412
Ottawa Co	7003	2,333,328	11,278,932	13,612,260
Ottawa Co Central Disp Auth	7008	0	15,360	16,164
Ottawa CRC	7002	209,700	2,038,200	2,251,392
Otter Lake, Vlg of	4408	0	6,540	6,540
Owosso, City of	7607	315,660	470,616	786,276
Oxford Fire Department	6327	223,896	298,356	522,252
Oxford, Vlg of	6326	35,868	102,816	138,684
Parchment, City of	3901	11,520	106,656	118,176
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	21,780	4,290,708	4,312,488
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	13,872	79,248	93,120
Paw Paw, Vlg of	8002	123,648	307,572	431,220
Pellston, Vlg of	2404	4,452	7,452	11,904
Pennfield Chtr Twp	1312	34,644	103,368	138,012
Pentwater, Vlg of	6401	46,668	52,140	98,808
Perrinton, Vlg of	2909	5,712	8,040	13,752



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Petersburg, City of	5807	21,912	9,588	31,500
Petoskey, City of	2402	367,392	283,956	651,348
Pewamo, Vlg of	3407	7,080	2,748	9,828
Pigeon, Vlg of	3203	16,608	2,460	19,068
Pinckney, Vlg of	4706	86,832	82,680	169,512
Pinconning, City of	0904	4,020	94,332	98,352
Pittsfield Chtr Twp	8110	944,424	1,690,068	2,705,424
Pleasant Ridge, City of	6301	84,948	258,384	343,332
Plymouth Dist Lib	8221	106,404	197,244	303,648
Plymouth, Chtr Twp of	8238	241,032	1,575,228	1,816,260
Plymouth, City of	8202	0	1,256,112	1,343,004
Pokagon Band of Potawatomi	8401	2,811,672	189,072	3,000,744
Port Austin Area Swr&Wtr Auth	3210	0	(14,448)	0
Port Austin, Vlg of	3208	4,488	24,492	28,980
Port Huron Chtr Twp	7711	45,408	111,396	156,804
Port Huron HC	7712	136,740	154,824	293,748
Port Huron, City of	7702	827,652	1,735,248	2,562,900
Port Sanilac, Vlg of	7403	6,384	54,060	60,444
Port Sheldon Twp	7018	31,380	16,884	48,264
Portland, City of	3401	174,792	572,196	746,988
Pottersville, City of	2313	21,912	26,340	48,252
Presque Isle Co	7104	238,548	468,036	706,584
Presque Isle CRC	7101	106,284	385,224	492,576
PRIDE Youth Programs CLD	6210	0	104,580	104,580
Ravenna, Vlg of	6111	3,504	13,968	17,472
Reading, City of	3003	15,696	12,648	28,344
Redford Twp Dist Lib	8228	37,932	0	37,932
Redford, Chtr Twp of	8209	431,664	2,314,776	2,746,440
Reed City, City of	6702	121,284	303,852	425,136
Richfield Twp (Genesee Co)	2514	53,400	281,016	334,416
Richfield Twp (Roscommon Co)	7202	47,148	111,408	158,556
Richland Twp	7310	28,296	268,848	297,144
Richmond, City of	5012	(55,644)	118,500	62,856
River Rouge, City of	8268	53,580	17,880	71,460
Rochester, City of	6307	210,216	1,044,108	1,254,324
Rockford, City of	4103	211,944	353,280	565,224
Rockwood, City of	5810	86,448	45,624	132,072
Rogers City, City of	7102	51,036	106,692	157,728
Romeo Dist Lib	5006	7,200	60,060	67,260
Romeo, Vlg of	5005	153,144	404,076	557,220
Romulus, City of	8225	308,220	3,259,308	3,659,076
Roosevelt Park, City of	6107	41,772	164,436	206,208
Roscommon Co	7201	336,180	1,189,656	1,525,836
Roscommon Co Trans Auth	7205	44,640	12,408	57,048
Rose City, City of	6504	20,916	14,376	35,292
Rose Twp	6506	7,116	(38,496)	0
Royal Oak, Chtr Twp of	6306	15,504	(341,364)	0
Saginaw Chtr Twp	7314	152,232	84,972	287,064
Saginaw Co	7303	27,876	6,347,712	6,375,588
Saginaw Co 911 Com Ctr	7316	0	396,612	396,612
Saginaw Co CMH	7318	13,224	2,304,048	2,381,016
Saginaw CRC	7304	268,464	1,143,648	1,412,112
Saginaw HC	7321	16,260	236,040	252,300
Saginaw Trans Sys Auth	7319	213,420	15,060	228,480
Saginaw, City of	7301	1,572,876	11,823,252	13,396,320
Saginaw, Pub Lib of	7317	72,240	(134,436)	0
Saginaw-Midland Muni Wtr Corp	7305	5,796	187,368	193,164
Saline, City of	8105	302,220	1,776,384	2,078,604
Sandusky Dist Lib	7404	0	4,308	4,308
Sandusky, City of	7402	102,336	216,672	319,008
Sanilac HC	7410	87,444	169,752	257,196
Saranac HC	3413	7,116	8,532	15,648
Saugatuck Twp	0305	20,904	35,904	56,808
Saugatuck Twp Fire Dist	0313	62,856	936	63,792
Saugatuck, City of	0307	56,664	0	56,664
Sault Ste. Marie HC	4906	41,400	0	41,400
Sault Ste. Marie Tribe of Chippewa Indians	8404	258,576	14,568	273,144
Sault Ste. Marie, City of	1701	179,988	1,079,868	1,259,856
SCCMUA	1905	27,756	112,500	140,256
Schoolcraft Co	7503	405,444	1,457,160	1,917,180



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Schoolcraft Co Trans Auth	7506	31,140	73,620	104,760
Schoolcraft CRC	7501	128,628	669,372	798,000
Schoolcraft Memorial Hosp	7505	32,388	640,512	672,900
Scio Twp	8116	92,292	156,468	248,760
Scottville, City of	5308	34,644	9,924	44,568
SE Oakland Co Rsrc Rec Auth	6310	65,040	116,304	181,344
SE Oakland Co Wtr Auth	6309	92,124	9,660	101,784
Sebewaing, Vlg of	3205	52,356	(212,808)	51,984
SEMCOG	8210	581,004	781,800	1,362,804
Shepherd, Vlg of	3704	17,916	24,168	42,084
Shiawassee Co	7602	860,748	845,388	1,706,136
Shiawassee Council on Aging	7605	9,828	10,308	20,136
Shiawassee CRC	7601	83,340	289,392	373,440
Shiawassee Dist Lib	7606	24,780	1,320	26,100
Shiawassee Hlth & Wellness	7609	697,056	771,096	1,468,152
Sims Whitney Util Auth	0606	16,188	15,456	31,644
SMART	8216	2,791,884	7,953,528	10,745,412
South Haven Area ESA	8005	109,704	380,832	490,536
South Haven, City of	8001	549,144	594,732	1,235,988
South Lyon, City of	6315	214,320	578,064	792,384
Southgate, City of	8262	53,532	1,216,200	1,269,732
Sparta, Vlg of	4107	43,308	104,832	148,140
Spring Lake Dist Lib	7016	18,324	62,916	81,240
Spring Lake, Vlg of	7015	4,596	113,208	135,324
Springfield, City of	1303	47,760	343,116	395,076
St Charles, Vlg of	7308	48,300	195,252	243,552
St Clair HC	7715	0	62,820	62,820
St Clair Shores HC	5007	44,580	95,436	140,016
St Clair, City of	7703	74,184	1,016,904	1,099,344
St Ignace, City of	4904	136,656	617,448	754,104
St Johns, City of	1902	76,368	968,808	1,045,176
St Joseph Co	7803	586,992	764,424	1,352,916
St Joseph Twp	1122	83,268	0	83,268
St Louis HC	2908	10,476	(1,848)	8,628
St Louis, City of	2902	14,844	41,796	56,640
Stambaugh Twp	3615	0	9,588	9,588
Standish, City of	0601	0	62,760	62,760
Stanton, City of	5903	0	(11,112)	0
Stephenson, City of	5504	3,324	32,088	35,412
Sterling, Vlg of	0605	6,144	(13,032)	0
Stockbridge, Vlg of	3316	16,536	30,744	47,280
Sturgis HC	7805	0	0	0
Summit Twp	3803	224,892	679,932	904,824
Sumpter Twp	8226	233,004	172,620	405,624
Superior Chtr Twp	8109	241,860	313,044	554,904
Superior Dist Lib	1702	25,896	(57,648)	0
Superiorland Lib Coop	5208	0	45,516	45,516
Suttons Bay Bingham Fire Auth	4506	57,000	91,836	148,836
SW Mich Comm Amb Svcs	1119	25,764	19,956	45,720
SW Shiawassee ESA	7611	150,972	1,884	152,856
Swan Creek Twp	7309	11,280	24,912	36,192
Swartz Creek, City of	2504	804	105,336	106,140
Sylvan Lake, City of	6314	15,984	3,540	19,524
Tawas Police Auth	3504	0	48,336	48,336
Taylor HC	8231	10,332	16,632	26,964
The Lib Network	8218	56,064	137,376	193,440
Three Rivers, City of	7801	309,348	605,484	914,832
Tittabawassee Twp	7322	98,712	63,444	162,156
Traverse Area Dist Lib	2807	684	67,848	68,532
Traverse City Light & Power	2811	352,212	1,215,492	1,567,704
Traverse City, City of	2801	604,212	1,595,208	2,199,420
Trenton, City of	8203	6,504	1,603,524	1,610,028
Tri-County Aging Consortium	3307	530,676	237,156	767,832
Trio Council on Aging Inc CLD	6507	0	20,544	20,544
Tuscarora Twp	1604	92,580	67,380	159,960
Tuscola Co	7902	325,656	744,180	1,069,836
Tuscola Co CMH	7907	417,216	66,684	483,900
Tuscola Co Hlth Dpt	7901	56,964	236,316	293,280
Tuscola Co MCF	7906	244,896	264,912	509,808
Tuscola CRC	7908	74,652	44,100	118,752



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment <sup>1,2</sup>	Total Employer Contribution <sup>2</sup>
Twin City Pub Safety Auth CLD	3610	0	3,048	3,048
Ubly, Vlg of	3212	0	34,284	34,284
Utica, City of	5008	49,728	79,488	129,216
Van Buren Co	8006	871,320	1,347,852	2,219,172
Van Buren Dist Lib	8007	16,632	0	16,632
Van Buren Twp	8236	310,512	742,128	1,052,640
Vassar, City of	7903	10,032	106,764	116,796
Vevay Twp	3318	3,528	35,820	39,348
Vicksburg Dist Lib	3904	0	10,416	10,416
Vicksburg, Vlg of	3902	40,068	96,588	136,656
Vienna, Chtr Twp of	2522	6,276	48,960	55,236
W Iron Co Swr Auth	3612	14,556	57,588	72,144
W Mich CMH Sys	5304	0	270,504	270,504
W Mich Shoreline Rgnl Dev Comm	6110	34,104	7,368	41,472
W UP Dist Hlth Dept	3101	53,220	495,828	549,048
Wakefield, City of	2701	43,308	181,860	225,168
Walker, City of	4112	142,296	390,888	533,184
Walled Lake, City of	6324	102,192	1,063,068	1,165,260
Washtenaw Co	8113	2,707,800	4,497,180	7,224,156
Washtenaw CRC	8102	419,292	3,228,780	3,648,072
Wayland, City of	0304	207,408	258,564	465,972
Wayne HC	8252	23,280	33,552	56,832
Wayne, City of	8242	561,252	5,616,036	6,308,520
Webberville, Vlg of	3314	12,024	0	12,024
West Branch Dist Lib	6509	9,528	1,392	10,920
West Branch, City of	6505	48,192	268,344	316,536
Westland, City of	8211	357,276	1,110,300	1,467,576
Westphalia, Vlg of	1907	5,220	22,284	27,504
Wexford Co	8302	546,024	1,167,984	1,715,760
Wexford CRC	8303	131,052	(12,348)	118,704
White Cloud Cmnty Lib	6208	6,684	15,372	22,056
White Cloud, City of	6206	38,592	48,600	87,192
White Cloud/Sherman Util	6211	13,836	18,240	32,076
White Lake Chtr Twp	6325	603,864	1,146,060	1,749,924
White Pigeon, Vlg of	7804	24,204	1,320	25,524
White Pine Dist Lib	5904	768	21,948	22,716
Whitehall, City of	6105	100,008	86,592	186,600
Willard Pub Lib	1308	167,724	101,076	268,800
Williamston, City of	3310	66,588	154,800	221,388
Wixom, City of	6316	168,372	313,872	482,244
Wolverine Lake, Vlg of	6329	7,620	110,352	117,972
WUPPDR	3108	12,744	0	12,744
Ypsilanti Cmnty Util Auth	8106	346,152	1,698,696	2,044,848
Ypsilanti HC	8115	14,868	7,092	21,960
Ypsilanti, City of	8101	164,364	(629,928)	93,276
Ypsilanti, Twp of	8104	259,968	718,488	978,456
<b>Totals - Active Groups</b>	<b>733</b>	<b>144,537,108</b>	<b>525,080,928</b>	<b>676,628,508</b>
<b>Totals - Closed Groups</b>	<b>13</b>	<b>0</b>	<b>455,124</b>	<b>455,124</b>
<b>Totals- MERS</b>	<b>746</b>	<b>144,537,108</b>	<b>525,536,052</b>	<b>677,083,632</b>

<sup>1</sup> Contribution requirements for Open Employers are determined at the division level. For purposes of this display individual division results are summed to the employer level. Individual divisions may have an amortization credit that is larger than the division's normal cost, which results in a total contribution requirement of zero for the division. An additional outcome is that the displayed normal cost and amortization payment may not add across.

<sup>2</sup> Closed Employers follow a separate funding policy, determined at the employer level. Amortization Payments and Total Employer Contributions are only shown for Closed Employers with a non-zero requirement.



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix D: Plan Maturity Measures

Municipality Name	Number	Ratio of				
		Market Value of Assets to Total Payroll	Actuarial Accrued Liability to Total Payroll	Actives to Retirees and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
21st Dist Ct	8243	5.7	9.9	1.0	11.3	-0.3%
23rd Jud Dist Ct	8223	18.1	30.2	0.2	9.5	-6.6%
26th Jud Cir Ct	0403	6.2	9.3	0.4	10.8	-4.2%
34th Dist Ct	8235	4.8	9.9	1.2	9.8	-2.0%
35th Dist Ct	8234	4.2	6.9	0.9	7.6	-4.4%
41 B Dist Ct	5014	5.8	9.9	0.6	9.4	-3.4%
Addison Fire and EMS	4607	N/A	N/A	0.0	9.1	-6.0%
Adrian, City of	4601	6.7	11.9	0.5	8.1	-4.7%
Aitkin Memorial Dist Lib	7407	N/A	N/A	N/A	N/A	0.0%
Albion, City of	1301	19.4	25.2	0.1	9.5	-6.6%
Alcona Co	0101	6.3	10.9	0.5	9.7	-1.3%
Alger Co	0203	7.3	12.2	0.7	11.3	-1.8%
Alger CRC	0201	4.2	7.1	0.7	9.6	-1.9%
Algonac, City of	7707	28.6	39.0	0.1	9.8	-4.0%
Allegan Co	0302	24.0	27.4	0.1	13.3	4.3%
Allegan CRC	0301	5.6	6.8	0.9	12.0	4.3%
Allegan, City of	0309	8.1	13.7	0.7	14.3	-0.7%
Alma, City of	2901	5.1	7.8	0.9	10.2	-3.6%
Almont, Vlg of	4407	2.7	4.0	1.7	12.8	-2.2%
Alpena Co	0401	4.7	8.6	0.5	7.6	-5.0%
Alpena CRC	0402	19.3	26.8	0.2	10.6	-2.4%
Alpena HC	0406	7.4	8.6	1.5	20.7	-2.1%
Alpena Sr Citizens Ctr	0404	N/A	N/A	0.0	3.3	28.6%
Alpha, Vlg of	3614	N/A	N/A	0.0	105.7	-0.8%
Antrim Co	0502	4.0	5.9	0.7	14.7	-0.6%
Antrim CRC	0501	6.7	12.4	0.6	9.1	-1.3%
Arenac Co	0603	12.3	18.3	0.2	11.2	-2.1%
Arenac CRC	0604	3.4	7.3	0.6	6.8	2.6%
Armada Twp	5022	0.5	0.6	N/A	N/A	28.6%
Ash Twp	5804	3.6	7.0	1.3	11.7	0.9%
Au Gres, City of	0602	N/A	N/A	0.0	7.0	-3.6%
Auburn, City of	0905	N/A	N/A	0.0	7.5	-0.1%
Bad Axe Area Dist Lib	3214	4.2	5.7	1.0	9.3	-5.9%
Bad Axe, City of	3211	6.6	8.9	0.8	13.4	-2.3%
Bancroft, Vlg of	7610	N/A	N/A	0.0	3.2	-3.0%
Bangor, City of	8003	3.3	3.0	0.7	15.0	-5.6%
Baraga Co	0702	4.8	7.7	0.6	10.5	-2.4%
Baraga Co Memorial Hosp	0703	11.5	16.7	0.2	10.3	-2.5%
Baraga CRC	0701	5.1	7.9	0.7	10.3	2.8%
Baraga, Vlg of	0704	3.5	7.9	0.8	7.6	5.2%
Baroda Lake Twp Police Dept	1109	1.3	1.9	4.0	49.3	17.7%
Barry Co	0802	3.7	5.1	1.3	16.0	0.2%
Barry Co CMH Auth	0804	2.6	3.7	4.1	21.0	2.6%
Barry Eaton Dist Hlth Dept	2303	9.2	13.9	0.3	9.0	-2.1%
Barton Hills, Vlg of	8107	15.0	18.1	0.5	15.0	-3.6%
Bates Twp	3616	N/A	N/A	0.0	3.8	-3.1%
Bath Chtr Twp	1909	4.3	6.7	1.9	16.8	1.6%
Battle Creek, City of	1302	4.3	8.7	0.7	7.3	-3.7%
Bay Area Trans Auth	2810	2.4	2.7	1.2	20.7	2.3%
Bay City HC	0906	86.7	105.0	0.1	11.3	-5.9%
Bay City, City of	0901	65.9	78.9	0.1	9.7	-4.8%
Bay Metro Trans Auth	0907	3.6	5.8	0.9	11.7	1.0%
Beecher Metro Dist Swg&Wtr	2501	24.8	34.6	0.2	12.8	1.1%
Belding, City of	3410	4.2	9.7	0.7	6.7	-2.0%
Belleville, City of	8213	5.8	11.7	0.6	9.3	-1.9%
Benton Harbor, City of	1120	4.1	13.4	0.6	4.1	-6.0%
Benzie Co	1003	4.8	8.1	0.6	11.4	0.3%
Benzie Co Comm on Aging CLD	1006	N/A	N/A	0.0	8.4	-4.6%
Benzie Co MCF (The Maples)	1004	2.6	3.3	0.9	12.8	-1.8%
Benzie CRC	1001	4.0	5.9	0.6	8.0	8.6%
Benzie Shores Dist Lib	1005	N/A	N/A	0.0	8.8	-8.3%
Benzie Trans Auth	1007	4.1	4.2	0.8	46.3	1.2%
Benzie/Leelanau Dist Hlth Dept	4504	8.0	10.9	1.0	19.8	2.7%
Berkley, City of	6304	5.0	10.4	0.5	7.0	-1.6%
Berrien Springs, Vlg of	1102	3.2	4.0	1.0	13.4	-1.8%
Bessemer, City of	2702	3.6	5.8	0.7	11.9	0.4%
Beverly Hills, Vlg of	6321	24.3	35.1	0.1	10.5	-4.9%
Big Rapids HC	5406	N/A	N/A	0.0	18.8	1.5%
Big Rapids, City of	5402	25.9	41.9	0.1	8.3	-2.3%



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix D: Plan Maturity Measures

Municipality Name	Number	Ratio of				
		Market Value of Assets to Total Payroll	Actuarial Accrued Liability to Total Payroll	Actives to Retirees and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
Bingham Farms, Vlg of	6332	3.9	5.7	0.5	8.1	-5.9%
Birch Run, Vlg of	7315	2.8	3.4	3.2	28.2	1.8%
Bishop Intl Arprt Auth	2507	18.5	26.0	0.3	13.5	-2.0%
Blackman Chtr Twp	3806	3.7	5.7	2.8	23.9	10.1%
Blissfield, Vlg of	4606	3.1	4.1	2.0	14.2	-1.9%
Bloomfield Hills, City of	6302	18.7	28.8	0.3	11.5	-3.2%
Blue Water Area Trans Comm	7709	3.6	5.3	1.9	16.6	2.9%
Boyer City HC	1508	4.6	5.2	1.0	14.0	2.3%
Boyer City, City of	1506	17.3	21.7	0.2	11.4	-1.7%
Branch Co	1205	5.0	5.8	1.2	19.1	-1.6%
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	14.0	17.2	0.3	14.7	-1.3%
Brandon Chtr Twp of	6333	3.2	4.8	1.3	12.7	-0.1%
Breckenridge,Vlg of	2906	2.6	7.3	0.8	5.7	0.7%
Bridgeport Chtr Twp	7307	3.6	5.9	0.8	10.4	-0.2%
Bridgman, City of	1110	1.9	2.9	1.4	12.5	-0.9%
Briggs Dist Lib	1915	N/A	N/A	0.0	20.5	N/A
Brighton Area Fire Auth	4715	N/A	N/A	0.0	9.6	-6.5%
Brighton, Chtr Twp of	4711	4.7	4.1	1.1	34.4	11.4%
Brighton, City of	4704	5.3	9.1	0.8	11.7	-1.7%
Britton, Vlg of	4604	7.5	4.0	N/A	N/A	1.2%
Bronson, City of	1204	3.4	4.7	1.4	19.6	3.8%
Brooklyn, Vlg of	3801	2.2	3.5	2.0	10.5	1.5%
Brownstown, Chtr Twp of	8247	6.0	9.6	2.5	22.3	1.3%
Buchanan Dist Lib	1108	5.7	6.4	0.5	13.1	-4.9%
Buchanan, City of	1101	4.5	5.0	0.8	13.7	-3.9%
Buena Vista Chtr Twp	7312	7.0	11.9	0.6	9.3	-4.1%
Burton, City of	2508	6.0	13.0	0.8	7.1	-2.8%
Butman Twp CLD	2604	N/A	N/A	0.0	12.8	-6.5%
Cadillac, City of	8301	4.2	6.6	0.7	11.1	-3.4%
Cadillac/Wexford Trans Auth	8305	3.7	5.0	0.8	13.5	5.2%
Calhoun Co	1311	4.8	6.0	1.1	16.1	-2.5%
Calhoun Co Conso Disp Auth	1316	15.2	20.9	0.5	14.2	-3.1%
Canton Pub Lib	8232	7.6	8.4	0.6	11.4	-2.2%
Canton, Chtr Twp of	8233	3.6	5.6	1.8	12.3	3.1%
Capac, Vlg of	7705	N/A	N/A	0.0	3.4	-3.1%
Capital Area Dist Lib	3317	3.6	4.9	1.6	22.8	2.5%
Capital Region Arprt Auth	3305	7.2	9.0	0.8	13.4	1.1%
Carleton, Vlg of	5805	4.3	6.8	0.9	11.4	-2.6%
Carrllton Twp	7320	4.8	6.6	1.7	18.5	0.0%
Cascade Chtr Twp	4110	9.5	15.6	0.4	11.1	-4.4%
Caseville, City of	3207	4.8	7.4	1.1	16.6	1.6%
Caspian, City of	3608	5.8	11.0	0.3	8.4	-0.6%
Cass Co	1402	3.8	5.4	1.0	12.5	-2.1%
Cass Co MCF	1403	1.1	1.3	2.1	13.8	6.3%
Cass Dist Lib	1404	2.8	3.5	1.3	19.2	-1.5%
Cedar Springs, City of	4105	4.8	6.7	0.7	12.2	-3.5%
Center Line, City of	5001	7.2	18.5	0.2	4.6	-6.3%
Central Lake, Vlg of	0504	1.4	1.7	6.0	57.3	5.1%
Central Mich Dist Hlth Dept	3705	17.6	25.8	0.1	9.9	2.7%
Charlevoix Co	1503	4.2	6.5	0.9	13.4	-0.3%
Charlevoix CRC	1501	5.2	6.2	0.9	14.9	3.8%
Charlevoix, City of	1505	3.2	5.4	0.9	8.7	-3.7%
Charlotte Comm Lib	2309	3.0	4.8	0.7	6.8	-0.3%
Charlotte, City of	2301	4.2	8.7	0.6	7.2	-2.7%
Cheboygan Co	1603	3.7	5.9	1.2	13.1	-1.0%
Cheboygan CRC	1601	10.5	23.1	0.3	7.2	-1.0%
Cheboygan, City of	1602	3.9	7.9	0.7	7.4	-4.4%
Chelsea Area Fire Auth	8118	1.7	2.3	6.5	46.6	7.6%
Chelsea, City of	8103	48.3	62.7	0.1	9.9	-7.0%
Chesaning, Vlg of	7313	1.6	5.1	1.0	5.1	6.9%
Chesterfield Twp	5009	3.6	5.8	1.5	13.3	-0.8%
Chesterfield Twp Lib	5010	3.6	4.1	2.3	22.3	2.2%
Chikaming Twp	1112	2.3	3.7	1.6	11.0	-0.5%
Chippewa Co	1703	4.1	7.0	0.8	9.9	-1.4%
Chippewa Co - Emplmt & Trng CLD	1710	N/A	N/A	0.0	11.9	-6.9%
Chippewa CRC	1704	2.9	6.6	0.7	7.4	-1.0%
Chippewa River Dist Lib	3707	4.4	5.5	1.8	18.6	-0.7%
Chocolay, Chtr Twp of	5218	2.9	3.4	1.3	16.5	-1.2%
Clare Co	1802	3.5	5.6	1.2	12.6	-0.6%





## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix D: Plan Maturity Measures

Municipality Name	Number	Ratio of				
		Market Value of Assets to Total Payroll	Actuarial Accrued Liability to Total Payroll	Actives to Retirees and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
Clare Co Trans Auth	1806	1.8	2.4	3.0	37.8	4.8%
Clare CRC	1801	6.0	8.7	0.6	11.0	-0.2%
Clare, City of	1804	4.1	7.9	0.9	10.0	-1.3%
Clawson, City of	6305	86.8	109.8	0.0	9.8	-7.1%
Clay Twp	7706	6.1	7.2	0.9	18.9	49.9%
Clearwater Twp	4005	N/A	N/A	0.0	9.2	-0.4%
Clinton Co	1903	15.0	16.5	0.3	16.4	-2.1%
Clinton CRC	1901	8.7	11.0	0.7	12.2	2.4%
Clinton Twp	5002	6.4	9.6	0.6	10.1	2.8%
Clinton, Vlg of	4602	5.6	6.1	0.8	16.0	-1.1%
Clinton-Eaton-Ingham CMH	3308	3.2	4.8	1.4	13.1	-0.3%
Clio, City of	2523	2.3	3.8	0.9	10.4	-2.5%
CMH for Central Mich	3708	3.5	4.2	1.4	18.1	-0.6%
Coldwater Brd of Pub Util	1203	15.5	24.9	0.2	9.2	0.2%
Coldwater, City of	1201	29.2	41.7	0.1	9.4	-2.9%
Coleman, City of	5603	6.4	12.2	0.6	7.2	-5.4%
Coloma Chtr Twp	1107	4.5	4.9	2.4	21.7	0.5%
Coloma, City of	1118	4.8	5.8	1.7	13.0	-3.4%
Columbiaville, Vlg of	4406	2.6	3.8	1.0	19.8	0.4%
Constantine, Vlg of	7806	0.8	0.6	N/A	146.5	12.9%
Coopersville Area Dist Lib	7011	N/A	N/A	0.0	9.2	2.3%
Coopersville, City of	7005	2.5	4.1	1.0	10.8	-0.4%
Corunna City of	7604	8.6	9.5	0.7	15.4	3.6%
Corwith Twp	6904	2.2	2.5	7.0	472.7	4.9%
Covert Twp	8010	2.5	3.5	4.7	21.5	0.9%
Crawford Co	2001	19.5	23.4	0.2	12.7	-5.2%
Crawford Co Trans Auth	2004	9.2	12.7	0.7	17.2	0.0%
Crawford CRC	2002	3.6	8.0	0.8	8.2	3.6%
Croswell, City of	7401	4.8	8.8	0.8	9.6	-0.5%
Crystal Falls Cmnty Hosp CLD	3618	N/A	N/A	0.0	11.6	-7.1%
Crystal Falls, City of	3603	7.4	13.5	0.4	9.2	-1.2%
Ctrl Wayne Co Sanitation Auth	8214	N/A	N/A	0.0	5.2	-13.3%
Davison Richfield Sr CCA	2525	3.4	6.3	1.0	6.6	-4.0%
Davison Twp	2519	6.6	9.7	1.6	18.2	-0.9%
Davison, City of	2516	7.1	15.9	0.8	8.4	-1.1%
Dearborn, City of	8251	1.8	2.2	231.0	309.3	9.3%
Deerfield, Vlg of	4603	4.1	7.7	1.0	7.1	-4.7%
Delta Area Transit Auth	2107	1.6	2.9	N/A	N/A	14.4%
Delta Chtr Twp	2306	4.2	6.5	1.6	14.5	-0.2%
Delta Co	2102	19.0	30.6	0.2	10.8	-1.6%
Delta CRC	2105	4.5	7.6	0.7	9.2	0.3%
Delta-Menominee Dist Hlth Dept	2103	7.1	9.5	0.8	16.6	-1.1%
Detour, Vlg of	1706	1.5	4.3	0.7	7.7	5.7%
Detroit HC	8241	7.4	8.6	0.9	19.0	-2.2%
DeWitt Chtr Twp	1910	6.6	9.8	1.2	16.2	-0.8%
DeWitt, City of	1908	3.9	6.2	0.8	12.9	3.5%
Dexter Area Fire Dept	8219	2.7	4.0	2.7	40.1	4.9%
Dexter Twp	8111	N/A	N/A	0.0	10.9	-5.0%
Dexter, City of	8217	9.2	11.7	0.5	17.3	-0.9%
Dickinson Co	2206	8.1	15.7	0.5	9.8	-1.3%
Dickinson CRC	2203	8.1	16.0	0.3	7.0	-0.3%
Dickinson-Iron Dist Hlth Dept	3605	10.1	15.5	0.2	10.2	0.8%
Dimondale,Vlg of	2304	14.9	23.5	0.2	8.5	-3.7%
Dist Hlth Dept # 4	7103	6.0	12.2	0.6	7.1	-4.5%
Dist Hlth Dept #10	5104	2.1	3.7	1.5	8.0	-0.4%
Dist Hlth Dept #2	6501	20.6	28.1	0.1	9.6	-5.6%
Douglas, City of Vlg of	0303	5.0	6.1	0.7	23.8	-0.6%
Dowagiac Dist Lib	1406	1.3	1.7	1.5	18.7	3.4%
Dowagiac HC	1405	1.3	1.7	1.7	13.6	0.2%
Dowagiac, City of	1401	5.2	11.9	0.4	6.4	-3.0%
Drummond Island Twp	1708	4.0	5.0	2.0	123.2	3.2%
Dryden, Vlg of	4405	5.7	8.7	0.5	21.7	0.4%
Dundee, Vlg of	5803	8.0	8.6	0.7	12.4	-5.5%
Durand, City of	7603	4.1	7.6	0.9	9.5	-2.8%
E UP Reg Planning & Dev Comm	1709	2.6	2.2	N/A	N/A	5.8%
E UP Trans Auth	1705	4.6	11.2	0.7	7.4	-0.5%
East China Chtr Twp	7701	6.7	12.4	0.7	7.5	-2.6%
East Jordan, City of	1504	4.1	6.9	0.8	10.8	-1.4%
East Lansing, City of	3301	6.8	12.4	0.7	8.4	1.8%



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Eastpointe HC	5011	9.5	13.7	0.3	9.9	1.6%
Eastpointe, City of	5019	5.7	13.2	0.4	5.9	-8.6%
Eaton Co	2302	5.5	10.2	0.9	9.0	-3.2%
Eaton Co Hlth & Rehab Svcs	2305	1.7	2.2	2.4	21.3	1.6%
Eaton Rapids, City of	2307	6.3	11.6	0.6	8.1	-3.5%
Eau Claire, Vlg of	1104	4.0	11.1	0.5	5.1	-0.8%
Ecorse, City of	8206	12.2	24.5	0.2	5.8	1.8%
Elk Rapids, Vlg of	0506	2.2	3.3	2.9	15.9	2.9%
Elkton, Vlg of	3206	12.3	12.6	0.3	14.5	-4.2%
Elsie, Vlg of CLD	1906	N/A	N/A	0.0	15.5	-5.4%
Emmet CRC	2401	28.4	40.7	0.2	10.6	1.0%
Emmett, Chtr Twp	1310	4.5	6.8	1.1	19.8	1.2%
Erie, Twp of	5812	2.3	2.9	N/A	N/A	6.1%
Escanaba, City of	2101	29.1	48.5	0.1	8.3	-2.5%
Essexville, City of	0903	11.7	19.1	0.3	8.6	-4.1%
Ewart, City of	6705	3.0	5.2	0.8	9.5	-2.9%
Farmington Cmnty Lib	6319	33.7	46.4	0.1	9.8	-6.1%
Farmington, City of	6343	7.1	10.9	0.7	11.5	-2.6%
Farwell, Vlg of	1805	1.9	3.0	1.7	7.7	-4.4%
Fenton, City of	2505	4.9	7.2	0.9	12.8	3.3%
Ferndale HC	6345	3.2	4.5	2.0	22.2	5.7%
Ferrysburg, City of	7106	7.2	10.7	0.3	11.3	-0.7%
Flat Rock, City of	8212	3.6	9.4	0.7	5.4	-2.9%
Flint Pub Lib	2518	2.0	2.5	3.0	56.1	4.5%
Flint, Chtr Twp of	2512	5.4	10.3	1.1	9.5	-1.7%
Flint, City of	2530	5.3	23.1	0.3	2.6	-9.7%
Flushing, Chtr Twp of	2515	8.5	16.4	0.6	9.4	-0.7%
Flushing, City of	2502	11.1	23.1	0.3	9.3	-1.6%
Forsyth Twp	5212	5.4	8.6	0.8	11.3	5.3%
Fowler, Vlg of	1904	2.8	4.2	3.0	55.9	5.9%
Fowlerville Dist Lib	4710	6.7	9.9	1.0	7.4	-7.8%
Fowlerville, Vlg of	4705	N/A	N/A	0.0	12.7	-4.0%
Frankenmuth Wickson Dist Lib	7323	N/A	N/A	0.0	9.8	-0.6%
Frankenmuth, City of	7306	4.7	8.4	1.1	9.6	-4.0%
Frankfort, City of	1002	2.8	5.9	0.8	8.9	1.8%
Franklin, Vlg of	6323	5.9	12.6	0.7	7.6	-2.7%
Fraser, City of	5003	8.3	17.0	0.4	7.6	-3.1%
Fremont Area Dist Lib	6209	3.5	6.5	0.8	11.5	-0.7%
Fremont, City of	6203	5.3	9.5	0.8	11.2	-1.5%
Gaastra, City of	3617	3.1	6.9	0.5	6.0	-7.7%
Garden City, City of	8255	8.3	17.4	0.5	7.1	-4.9%
Gaylord, City of	6903	4.8	8.3	1.0	10.2	0.5%
Genesee Chtr Twp	2510	5.2	11.1	0.7	8.4	3.5%
Genoa Twp	4713	4.8	7.1	1.0	N/A	5.2%
Gerald R. Ford Intl Arpt Auth	4116	5.3	5.4	2.0	25.9	-1.5%
Gladstone, City of	2106	28.6	48.5	0.1	8.1	2.6%
Gladwin City HC	2608	4.1	6.5	0.9	8.6	-1.9%
Gladwin Co	2602	4.1	7.2	0.9	11.8	-0.5%
Gladwin Co Dist Lib	2607	6.1	9.2	0.8	14.7	-0.9%
Gladwin CRC	2601	10.5	14.5	0.5	10.6	6.5%
Gladwin, City of	2605	3.9	5.5	2.3	19.7	2.2%
Gogebic-Iron WWTR Auth	2703	6.5	11.3	1.0	13.2	-0.4%
Grand Beach, Vlg of	1117	1.5	1.6	4.0	49.5	3.3%
Grand Blanc Chtr Twp	2511	6.1	9.7	1.6	18.7	2.4%
Grand Blanc, City of	2513	9.2	11.8	0.8	12.9	-4.1%
Grand Haven BLP	7026	19.2	22.8	0.3	13.6	0.9%
Grand Haven, City of	7010	12.6	21.3	0.3	8.5	-4.5%
Grand Ledge Area Dist. Lib	2316	0.9	0.9	N/A	N/A	11.9%
Grand Ledge Area ESA	2310	2.7	4.0	2.0	30.1	3.5%
Grand Ledge, City of	2312	3.7	6.2	1.4	9.0	-1.9%
Grand Rapids HC	4108	N/A	N/A	0.0	8.5	-7.3%
Grand Traverse Co	2803	36.2	42.4	0.1	12.1	-6.5%
Grand Traverse CRC	2802	N/A	N/A	0.0	7.4	-9.1%
Grand Traverse Pavilions	2809	4.5	5.3	0.7	19.0	11.7%
Grandville, City of	4102	21.5	39.6	0.1	6.6	-3.9%
Gratiot Co	2905	25.2	32.0	0.2	13.4	-5.0%
Gratiot CRC	2903	7.6	11.2	0.7	12.7	2.0%
Grayling, City of	2003	21.8	34.6	0.1	8.2	0.8%
Green Oak Chtr Twp	4708	2.9	4.7	2.0	13.6	1.7%



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix D: Plan Maturity Measures

Municipality Name	Number	Ratio of				
		Market Value of Assets to Total Payroll	Actuarial Accrued Liability to Total Payroll	Actives to Retirees and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
Greenville, City of	5906	4.7	7.6	1.1	12.0	-2.5%
Grosse Ile Twp	8207	7.4	13.7	0.8	10.3	-1.4%
Grosse Pointe Park, City of	8201	5.8	12.3	0.6	7.3	-3.7%
Grosse Pointe-Clinton Ref CLD	5004	N/A	N/A	0.0	10.9	-7.5%
Groveland Twp	6335	5.9	4.9	1.0	21.8	-2.1%
Hackley Pub Lib	6114	0.9	1.3	12.0	57.9	9.6%
Hamburg Twp	4709	3.9	5.7	2.3	26.4	3.2%
Hamtramck HC	8250	3.8	5.6	2.0	44.2	4.8%
Hamtramck, City of	8205	8.1	21.3	0.4	5.0	-4.1%
Hancock, City of	3107	3.8	7.1	1.2	9.7	-0.3%
Harbor Beach, City of	3201	6.5	9.3	0.9	15.4	4.6%
Harbor Springs Area Swg Auth	2406	2.5	3.7	1.0	10.4	-3.0%
Harbor Springs, City of	2405	2.7	4.8	1.6	11.4	1.2%
Harper Woods, City of	8260	5.6	14.6	0.6	5.2	-2.9%
Harrison Dist Lib	1807	N/A	N/A	0.0	5.4	-7.6%
Harrison, City of	1803	6.0	11.7	0.7	8.6	-2.0%
Hartland Deerfield Fire Auth	4716	5.3	6.3	N/A	N/A	2.9%
Hastings, City of	0801	3.3	7.9	0.6	5.7	0.2%
Hazel Park, City of	6336	4.4	12.1	0.6	5.2	-3.2%
Helen Newberry Joy Hosp	4805	52.1	82.0	0.1	7.2	-3.4%
Henika Dist Lib	0310	3.8	4.6	1.5	11.9	-2.6%
Herrick Dist Lib	7012	7.9	10.5	0.3	10.9	-1.0%
Hesperia, Vlg of	6214	2.1	2.1	N/A	N/A	4.8%
Hiawatha Bhvrl Hlth	1707	41.0	58.7	0.1	10.7	-3.3%
Hillsdale Co	3005	4.3	7.3	1.1	11.3	2.7%
Hillsdale CRC	3004	4.3	6.8	0.9	10.9	-0.8%
Hillsdale HC	3007	1.7	2.4	1.0	12.8	-0.5%
Hillsdale, City of	3001	6.8	10.1	0.6	11.2	-3.6%
Hlth Source of Saginaw	7311	10.1	14.0	0.2	11.3	-3.6%
Holland Area Cmnty Pool Auth	7014	5.0	5.7	0.3	22.9	0.6%
Holland Cmnty Hosp CLD	7006	N/A	N/A	0.0	9.7	-8.4%
Holland, City of	7001	12.5	16.1	0.3	12.5	-4.4%
Holly, Vlg of	6317	7.7	17.7	0.4	7.3	-1.1%
Homer, Vlg of	1304	4.1	5.3	0.8	13.4	-2.8%
Houghton Co	3102	7.3	12.6	0.4	8.6	-3.9%
Houghton CRC	3103	7.7	11.7	0.8	11.6	-0.2%
Houghton Lake Pub Lib	7203	2.9	4.0	2.3	14.9	-3.4%
Houghton, City of	3109	3.1	4.4	3.8	25.8	1.5%
Howard City, Vlg of	5902	N/A	N/A	0.0	16.8	-4.5%
Howard Twp	1106	2.6	4.0	1.0	21.3	2.2%
Howell Area Fire Auth	4714	3.4	4.2	3.0	18.8	4.6%
Howell, City of	4702	4.8	8.7	0.7	8.6	-2.8%
Howell-Carnegie Dist Lib	4707	3.8	4.1	2.2	26.0	-0.3%
Hudsonville, City of	7004	N/A	N/A	0.0	10.0	-3.5%
Huntington Woods, City of	6303	12.3	20.1	0.3	8.3	-2.3%
Hurley Med Ctr	2521	3.4	5.6	0.9	8.5	-4.0%
Huron Bhvrl Hlth	3215	8.8	12.4	0.6	16.1	-1.0%
Huron Chtr Twp	8224	5.4	8.9	1.3	12.6	1.6%
Huron Co	3204	6.3	10.5	0.8	11.4	-0.9%
Huron CRC	3202	12.6	15.0	0.6	14.2	2.1%
Imlay City, City of	4404	4.8	7.8	0.6	9.4	-1.8%
Independence Twp	6328	4.4	6.9	1.8	17.1	1.9%
Indianfields Twp CLD	7905	N/A	N/A	0.0	17.9	-4.7%
Ingham Co	3303	4.1	7.5	0.8	9.2	-2.2%
Interurban Trans Auth	0308	3.8	6.4	1.5	11.1	-3.0%
Ionia Cmnty Lib	3412	2.2	4.1	1.3	10.2	-0.9%
Ionia Co	3408	4.6	8.3	0.9	11.0	-0.2%
Ionia HC	3406	7.5	10.7	1.0	10.2	-3.2%
Ionia, City of	3403	5.0	8.7	0.8	11.0	2.8%
Iosco Co	3501	7.6	11.5	0.3	10.6	-2.0%
Iosco CRC	3502	16.2	21.8	0.3	11.5	0.6%
Iron Co	3606	6.4	7.9	0.7	14.2	-1.8%
Iron Co HC	3611	5.7	10.1	0.8	9.6	-6.3%
Iron CRC	3602	5.0	9.3	0.7	8.4	4.1%
Iron Mountain, City of	2201	3.6	11.7	0.4	4.2	-7.6%
Iron Mountain-Kingsford Swg	2205	4.4	6.4	5.0	49.6	2.6%
Iron River, City of	3601	8.6	19.1	0.3	6.5	-5.4%
Ironwood, City of	2706	5.0	10.1	0.5	7.7	-0.7%
Isabella Co	3703	13.3	20.4	0.2	11.3	-2.6%



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Isabella Co Trans Comm	3709	4.4	5.1	1.7	19.5	-0.1%
Isabella CRC	3702	5.7	9.0	0.7	12.2	-2.9%
Ishpeming Area Joint Wwtr Trtm	5207	6.0	6.7	0.9	12.5	-3.5%
Ishpeming Twp	5216	5.2	6.1	1.4	16.5	-2.7%
Ishpeming, City of	5204	17.6	21.4	0.4	13.0	-4.9%
Ithaca, City of	2904	24.2	39.7	0.1	7.6	-1.1%
Jackson Dist Lib	3802	3.1	4.1	1.1	15.2	-2.3%
Jackson Trans Auth	3805	3.3	5.3	1.1	10.7	-3.3%
Jordan Valley Dist Lib	1507	4.2	5.5	1.0	51.8	0.3%
Jordan Valley EMS Auth	1509	2.0	3.5	1.3	8.6	-2.3%
Kalamazoo Lake Swr & Wtr Auth	0306	1.5	2.3	1.8	11.6	-0.1%
Kalamazoo Pub Lib	3903	2.6	3.3	3.5	33.5	5.2%
Kalamazoo, Chtr Twp of	3907	5.7	8.6	1.5	14.0	-1.8%
Kalkaska Co	4003	4.6	8.1	0.8	9.8	-2.8%
Kalkaska CRC	4002	12.7	35.5	0.1	5.3	-0.6%
Kalkaska Pub Trans Auth	4004	8.3	12.8	0.5	12.0	-3.3%
Kalkaska, Vlg of	4001	3.3	8.3	0.8	6.2	-0.5%
Keego Harbor, City of	6322	9.8	24.8	0.2	5.9	-3.8%
Kent CRC	4111	N/A	N/A	0.0	3.4	-20.3%
Keweenaw Co	4202	4.0	5.6	1.2	13.4	1.2%
Keweenaw CRC	4201	4.0	8.5	0.7	7.2	-0.2%
Kinde, Vlg of	3209	N/A	N/A	0.0	13.3	-3.7%
Kingsford, City of	2202	5.9	11.3	0.7	8.4	-2.8%
L.M.A.S. Dist Hlth Dept	4803	5.1	8.7	0.2	9.8	-4.2%
Lac Vieux Desert Band	8402	2.4	2.8	2.5	35.7	2.0%
Laingsburg, City of	7608	2.6	3.6	3.0	28.5	2.1%
Lake Co	4301	7.2	10.2	0.5	14.1	-1.2%
Lake CRC	4302	3.7	7.6	0.8	7.3	-0.9%
Lake Linden, Vlg of	3105	3.1	6.8	0.5	7.1	-2.6%
Lake Odessa, Vlg of	3402	6.3	8.1	1.0	14.2	-2.3%
Lake Orion, Vlg of	6318	13.8	23.1	0.2	7.5	-2.9%
Lakeland Lib Coop	4106	3.0	3.1	2.3	23.1	-0.5%
Lakeshore Coordinating Council CLD	7007	N/A	N/A	0.0	9.2	-8.8%
Lakeview Cemetery	2407	2.3	2.7	N/A	N/A	6.1%
L'Anse, Vlg of	0705	3.9	8.5	0.7	6.7	-0.5%
Lansing Chtr Twp	3320	3.5	4.6	2.6	18.7	-0.3%
Lansing HC	3311	10.3	12.6	0.3	10.6	-5.5%
Lapeer Co	4403	3.5	4.9	1.4	15.0	-2.0%
Lapeer CRC	4402	9.3	11.4	0.5	12.5	3.3%
Lapeer Dist Lib	4410	4.4	7.7	0.9	8.8	-0.4%
Lapeer, City of	4401	5.6	8.2	0.8	13.3	0.3%
Lathrup Vlg, City of	6311	16.7	25.1	0.1	9.0	-5.0%
Laurium, Vlg of	3104	4.6	9.0	0.6	8.1	-4.2%
Lawrence, Vlg of	8004	N/A	N/A	0.0	7.4	-6.6%
Leelanau Co	4501	4.4	5.9	1.0	15.3	-1.2%
Leelanau CRC	4503	20.4	23.1	0.2	11.9	-2.4%
Leoni Twp	3804	30.6	44.0	0.1	10.7	-0.6%
Leslie Twp	3319	6.5	7.7	0.7	59.6	0.7%
Leslie, City of	3313	2.3	3.8	1.5	12.7	-0.4%
Lexington, Vlg of	7708	7.6	15.3	0.4	9.0	-2.5%
Lima Twp	8112	6.0	6.9	0.7	13.2	-3.5%
Lincoln Park, City of	8244	2.8	13.3	0.5	2.5	-5.3%
Litchfield, City of	3006	3.5	5.6	1.4	12.9	0.6%
Livingston Co	4703	4.4	6.3	1.1	15.0	-0.9%
Livingston Co CMH Auth	4712	6.0	8.5	0.6	15.4	-2.4%
Livingston CRC	4701	4.8	6.7	0.9	11.9	0.6%
Looking Glass Rgnl Fire CLD	2311	N/A	N/A	0.0	13.4	-6.2%
Loutit Dist Lib	7013	4.3	6.9	0.9	12.7	-1.6%
Lowell, City of	4104	5.7	9.8	0.5	10.5	-1.7%
Luce Co	4804	5.5	11.3	0.4	8.9	-1.2%
Luce Co Amb Svs	4806	6.7	8.5	2.0	69.0	5.2%
Luce CRC	4801	4.9	12.1	0.5	5.5	0.7%
Ludington, City of	5302	5.4	9.3	0.8	9.9	-1.9%
Luna Pier, City of	5802	19.3	51.1	0.2	5.1	-3.7%
Lyons, Vlg of	3411	N/A	N/A	0.0	7.4	-8.3%
Mackinac Co	4901	43.9	66.9	0.1	9.7	-2.1%
Mackinac Co HC	4905	13.3	20.5	0.5	10.1	-5.9%
Mackinac CRC	4903	17.2	25.0	0.2	10.8	4.4%
Mackinac Straits Hlth Sys	4902	1.9	2.8	2.1	17.1	1.5%



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Mackinaw City, Vlg of	1606	3.3	4.6	8.0	58.2	5.4%
Madison Heights, City of	6308	22.8	28.1	0.2	11.5	-6.3%
Madison, Chtr Twp of	4605	1.5	2.2	3.2	23.2	6.0%
Manistee Co	5101	4.7	7.7	0.7	10.0	-3.2%
Manistee Co Trans Auth	5109	1.0	1.2	13.3	49.4	119.8%
Manistee CRC	5103	5.3	8.8	0.7	9.7	-3.4%
Manistee HC	5107	2.1	2.3	2.7	26.0	4.0%
Manistee, City of	5105	5.2	8.3	0.8	10.2	-3.6%
Manistique HC	7508	N/A	N/A	0.0	5.5	-8.6%
Manistique, City of	7504	5.2	13.0	0.6	7.9	0.6%
Manlius Twp	0311	6.8	11.2	1.0	8.6	-5.7%
Manton, City of	8304	1.8	6.7	0.5	2.8	-8.4%
Marenisco Twp	2704	4.1	7.2	0.7	8.8	-3.7%
Marion, Vlg of	6704	2.8	4.5	0.6	7.7	-5.7%
Marlette, City of	7405	3.9	6.6	1.6	11.3	-1.3%
Marquette Brd of Light & Power	5209	17.6	24.8	0.2	9.7	-4.0%
Marquette Chtr Twp	5215	2.7	3.9	2.2	15.2	-0.4%
Marquette Co	5202	7.3	12.0	0.6	9.8	-3.2%
Marquette Co Solid Waste Mgmt	5213	3.5	4.6	1.5	21.0	-0.3%
Marquette Co Trans Auth	5206	3.0	3.4	1.2	12.8	6.4%
Marquette CRC	5211	6.1	10.8	0.6	9.2	7.6%
Marquette, City of	5201	7.9	13.8	0.7	10.1	-0.5%
Marshall Area Firefighters Amb	1313	2.7	3.8	3.5	41.2	2.8%
Marshall Dist Lib	1309	N/A	N/A	0.0	0.9	-24.1%
Marshall, City of	1306	8.4	15.9	0.3	7.6	-3.1%
Mason Co	5301	8.7	13.0	0.5	12.2	0.3%
Mason Co Dist Lib	5303	5.8	8.8	0.8	12.1	-2.3%
Mason CRC	5305	3.2	4.7	1.1	10.8	4.2%
Mason, City of	3304	7.2	10.5	1.0	13.0	-0.2%
Mason-Oceana 911	6403	4.4	5.8	1.6	23.0	0.3%
MBS Intl Arprt	0902	5.7	11.1	0.9	9.3	-1.7%
Mecola Central Disp	5405	4.3	6.1	1.1	17.4	1.4%
Mecosta Co	5403	36.2	39.5	0.1	15.3	-4.0%
Mecosta Co General Hosp CLD	5404	N/A	N/A	0.0	11.9	-6.9%
Mecosta CRC	5401	7.3	9.6	0.4	10.1	-5.7%
Melvindale HC	8220	5.6	6.2	1.0	13.6	-1.9%
Melvindale, City of	8215	24.5	77.1	0.1	4.0	-1.9%
Menominee Co	5502	9.0	15.0	0.4	11.8	-1.4%
Menominee CRC	5503	81.7	118.4	0.1	9.6	0.3%
Menominee, City of	5501	5.9	9.8	0.4	8.6	-5.6%
Meridian Chtr Twp	3315	8.1	12.8	0.9	12.7	2.2%
MERS	2308	4.4	4.6	2.3	40.6	7.8%
Metamora Twp	4409	3.8	5.1	1.0	18.2	-1.1%
Metro Police Auth of Genesee Co	2532	4.5	6.0	1.3	15.3	-1.9%
Mich Muni Risk Mgmt Auth	8237	6.3	5.0	N/A	N/A	1.8%
Mich S Central Power Agcy	3002	N/A	N/A	0.0	13.5	-5.6%
Middleville, Vlg of	0803	2.6	3.7	1.0	10.7	-1.9%
Midland Co Central Disp Auth	5604	3.9	5.9	1.7	22.7	1.8%
Midland CRC	5602	7.1	9.0	0.7	11.2	0.4%
Midland, City of	5601	7.2	14.1	0.5	7.2	-4.5%
Mid-Mich Dist Hlth Dept	5901	3.1	4.3	1.1	17.0	2.1%
Mid-Mich Lib League	8306	7.4	10.7	0.2	9.9	-5.0%
Milan Lib	5806	3.3	4.4	1.0	11.3	2.5%
Milan, City of	5801	15.5	29.3	0.1	7.5	0.9%
Milford, Vlg of	6313	6.6	9.7	0.9	15.7	-1.2%
Millington, Vlg of	7904	4.8	6.0	0.9	11.1	-5.4%
Missaukee Co	5702	3.9	6.0	1.2	12.1	-1.3%
MOA Solid Waste Mgmt Auth	6002	4.3	5.8	3.0	23.4	7.5%
Monroe HC	5808	2.8	6.3	1.4	7.8	-0.5%
Montague, City of	6112	6.4	7.6	0.8	13.9	1.5%
Montcalm Care Network	5909	N/A	N/A	1.5	23.7	-3.6%
Montcalm Co	5907	7.0	10.1	0.6	11.6	-3.2%
Montcalm CRC	5905	3.9	7.2	1.1	9.9	2.7%
Montmorency Co	6001	5.1	9.0	0.5	10.0	-1.1%
Montrose, City of	2509	3.5	4.4	0.7	13.0	-1.9%
Mt. Morris Chtr Twp	2503	8.2	18.0	0.6	7.6	-2.5%
Mt. Pleasant, City of	3701	5.4	8.8	0.7	10.1	1.8%
Muir, Vlg of	3405	N/A	N/A	0.0	8.7	-5.7%
Mundy, Chtr Twp of	2517	4.9	6.4	1.4	19.9	0.0%



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Munising, City of	0202	7.1	13.6	0.5	10.6	-1.8%
Muskegon Area Dist Lib	6117	2.7	3.2	2.2	25.3	3.6%
Muskegon Chtr Twp	6108	22.0	27.7	0.3	14.8	-4.2%
Muskegon Co	6103	10.5	15.5	0.2	9.6	-6.1%
Muskegon CRC	6101	7.7	8.5	0.6	13.4	4.5%
Muskegon Ctrl Dispatch 911	6109	2.7	4.4	1.6	11.6	-0.4%
Muskegon HC	6113	3.8	6.3	0.8	10.1	-4.0%
Muskegon Heights HC	6115	7.0	17.1	0.3	5.9	-9.3%
Muskegon Heights, City of	6102	9.2	18.9	0.4	7.6	-4.0%
Muskegon, City of	6116	20.0	32.1	0.2	8.5	-5.7%
N Houghton Co Wtr&Swg Auth	3106	3.1	4.9	1.3	17.5	-0.5%
N Muskegon, City of	6104	17.4	27.6	0.2	11.4	-3.0%
Nashville, Vlg of	0807	1.8	2.2	4.0	39.3	4.6%
Negaunee Twp	5217	4.9	5.2	0.7	16.6	18.4%
Negaunee, City of	5203	5.5	11.9	0.6	7.0	-2.9%
Network180	4109	12.9	17.4	0.4	14.6	-3.0%
New Baltimore, City of	5016	4.5	6.2	1.1	14.2	-1.7%
New Buffalo Twp	1121	1.5	1.7	13.0	176.0	38.7%
New Buffalo, City of	1113	2.0	2.2	3.9	27.5	1.8%
Newaygo CMH	6207	N/A	N/A	0.0	9.7	-8.3%
Newaygo Co	6201	44.0	59.1	0.1	9.1	-5.8%
Newaygo CRC	6212	4.3	5.9	0.9	12.2	-2.3%
Newaygo MCF	6204	11.1	13.5	0.3	12.5	-4.9%
Newaygo Soil & Wtr Cnsrvn Dist	6205	1.1	1.4	1.3	14.0	-1.2%
Newberry, Vlg of	4802	3.4	6.5	0.5	6.9	-5.0%
Niles Dist Lib	1105	3.2	4.6	1.0	11.3	-0.5%
Niles, City of	1115	4.8	7.4	0.8	10.1	-4.0%
Northern Lakes CMH Auth	2808	49.6	64.3	0.1	8.5	-7.0%
Northfield Twp	8117	4.3	5.9	10.0	264.1	4.2%
Northpointe Bhvrl Hlth Sys	2207	8.2	11.0	0.4	12.5	-3.8%
Northville Chtr Twp	8230	5.4	6.7	2.0	21.0	0.4%
Northville Dist Lib	8229	4.1	4.4	1.1	16.0	5.0%
Northville, City of	8208	67.8	85.1	0.0	9.4	2.0%
Norton Shores, City of	6106	5.6	12.1	0.5	7.8	-1.0%
Norway, City of	2204	10.1	25.9	0.3	6.7	-0.4%
Nottawaseppi Huron Band	8403	1.3	1.7	6.7	174.2	26.1%
Novi, City of	6320	7.1	12.1	0.5	10.3	-1.6%
NW Mich Cmnty Hlth Agcy	1502	28.9	39.7	0.0	9.0	-6.1%
NW Rgnl Arprt Auth	2805	10.4	12.1	0.3	14.7	-3.6%
Oceana Co	6402	6.8	9.9	0.5	13.2	-1.7%
Oceola Twp	4717	3.7	4.2	1.5	20.3	-0.8%
Ogemaw Co	6502	21.1	30.6	0.2	11.6	-0.3%
Ogemaw Co Emerg Disp Auth	6510	7.8	13.3	1.0	22.2	3.5%
Ogemaw Co EMS Auth	6508	2.9	4.2	1.8	20.7	2.9%
Ogemaw CRC	6503	5.6	9.0	0.9	9.2	1.1%
Olive Twp	7009	5.3	9.4	0.5	10.3	-2.7%
Onaway, City of	7105	6.2	8.6	1.0	21.1	-0.6%
Ontonagon Co	6602	4.7	7.8	0.7	11.3	-1.0%
Ontonagon Co Economic Dev Corp	6605	N/A	N/A	0.0	5.7	4.6%
Ontonagon CRC	6604	7.3	15.2	0.6	7.8	0.8%
Ontonagon, Vlg of	6603	22.4	49.6	0.1	5.1	4.6%
Orchard Lake, City of	6312	23.4	28.3	0.1	11.8	-5.1%
Oronoko Chtr Twp	1114	3.3	5.4	1.3	14.4	0.4%
Osceola Co	6701	4.8	6.2	0.8	16.2	3.0%
Osceola CRC	6703	4.2	8.3	0.5	6.7	-2.6%
Oscoda Chtr Twp	3503	3.7	6.7	0.9	10.9	0.8%
Oscoda Co	6801	3.2	5.2	0.9	11.1	-0.6%
Oscoda Co Dist Lib	6803	4.2	2.8	N/A	N/A	0.2%
Oscoda Wurtsmith Arprt Auth	6802	1.3	1.9	2.0	15.7	1.6%
Otisville, Vlg of	2506	4.4	6.6	1.3	15.0	-0.2%
Otsego Co	6902	4.8	7.7	0.6	11.9	-0.3%
Otsego CRC	6901	5.5	8.0	0.7	12.4	0.4%
Ottawa Co	7003	10.9	16.2	0.4	13.8	-2.3%
Ottawa Co Central Disp Auth	7008	N/A	N/A	0.0	9.6	-4.4%
Ottawa CRC	7002	8.5	15.9	0.4	7.6	-4.2%
Otter Lake, Vlg of	4408	N/A	N/A	0.0	6.3	-7.8%
Owosso, City of	7607	12.3	15.3	0.4	11.3	-4.7%
Oxford Fire Department	6327	3.2	4.3	1.3	20.5	4.4%
Oxford, Vlg of	6326	5.3	8.5	1.1	15.5	-0.1%



## MERS December 31, 2022 Valuation - Results by Municipality

### Appendix D: Plan Maturity Measures

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		Market Value of Assets to Total Payroll	Actuarial Accrued Liability to Total Payroll	Actives to Retirees and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
Parchment, City of	3901	8.9	14.4	0.3	9.0	-4.5%
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	49.8	92.8	0.0	6.4	1.5%
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	11.5	18.7	0.7	11.6	-3.6%
Paw Paw, Vlg of	8002	4.9	7.6	0.8	10.3	-2.9%
Pellston, Vlg of	2404	5.5	7.2	3.0	32.0	0.5%
Pennfield Chtr Twp	1312	5.6	9.0	0.7	18.5	0.1%
Pentwater, Vlg of	6401	3.3	5.1	0.6	11.0	-1.5%
Perrinton, Vlg of	2909	3.1	5.0	N/A	N/A	5.4%
Petersburg, City of	5807	3.2	4.1	7.0	31.3	1.3%
Petoskey, City of	2402	7.2	9.1	0.6	15.0	0.3%
Pewamo, Vlg of	3407	4.4	5.4	N/A	N/A	3.3%
Pigeon, Vlg of	3203	4.3	5.0	1.0	21.4	-0.1%
Pinckney, Vlg of	4706	4.5	6.5	1.4	14.2	-1.2%
Pinconning, City of	0904	8.1	16.9	0.2	6.4	-5.1%
Pittsfield Chtr Twp	8110	3.6	5.9	1.6	18.2	1.7%
Pleasant Ridge, City of	6301	4.6	8.1	0.6	10.2	2.4%
Plymouth Dist Lib	8221	4.3	7.5	0.8	8.7	-3.0%
Plymouth, Chtr Twp of	8238	8.5	13.9	0.7	11.3	-1.8%
Plymouth, City of	8202	N/A	N/A	0.0	6.4	0.1%
Pokagon Band of Potawatomi	8401	2.1	2.5	5.7	55.3	5.5%
Port Austin Area Swr&Wtr Auth	3210	N/A	N/A	0.0	18.2	-4.7%
Port Austin, Vlg of	3208	4.1	6.7	0.5	10.7	-2.2%
Port Huron Chtr Twp	7711	3.6	5.8	1.2	13.2	-1.2%
Port Huron HC	7712	7.0	9.7	1.1	13.1	2.3%
Port Huron, City of	7702	9.3	12.4	0.5	10.2	-6.2%
Port Sanilac, Vlg of	7403	10.5	19.5	0.3	9.6	-2.1%
Port Sheldon Twp	7018	4.2	5.6	1.6	8.9	-6.2%
Portland, City of	3401	3.9	7.2	0.8	8.8	-3.1%
Pottersville, City of	2313	2.1	3.2	1.8	9.8	-2.1%
Presque Isle Co	7104	3.6	6.1	1.0	10.7	-0.4%
Presque Isle CRC	7101	4.2	8.0	0.8	7.1	0.2%
PRIDE Youth Programs CLD	6210	N/A	N/A	0.0	4.7	-15.6%
Ravenna, Vlg of	6111	8.2	11.2	0.3	10.8	-5.0%
Reading, City of	3003	2.0	2.9	0.8	13.1	-2.9%
Redford Twp Dist Lib	8228	10.6	12.2	0.5	16.6	-2.8%
Redford, Chtr Twp of	8209	5.5	11.6	0.5	6.6	-4.8%
Reed City, City of	6702	5.2	9.8	0.6	10.4	-2.0%
Richfield Twp (Genesee Co)	2514	4.8	9.8	1.3	11.3	0.6%
Richfield Twp (Roscommon Co)	7202	7.7	13.1	0.3	11.6	-0.9%
Richland Twp	7310	6.9	16.1	0.8	6.0	-4.9%
Richmond, City of	5012	4.3	7.3	1.4	11.7	-2.7%
River Rouge, City of	8268	1.2	1.7	N/A	N/A	N/A
Rochester, City of	6307	6.4	10.7	0.6	11.1	-1.4%
Rockford, City of	4103	3.6	5.7	0.9	14.0	1.5%
Rockwood, City of	5810	3.8	5.0	1.2	21.9	-1.1%
Rogers City, City of	7102	11.9	15.2	0.6	13.1	-5.1%
Romeo Dist Lib	5006	41.0	42.1	0.0	12.8	-2.5%
Romeo, Vlg of	5005	4.3	8.5	0.9	10.0	-1.1%
Romulus, City of	8225	5.4	13.3	0.9	6.3	-1.0%
Roosevelt Park, City of	6107	25.5	34.4	0.1	14.7	-4.6%
Roscommon Co	7201	6.9	10.5	0.5	13.0	-0.9%
Roscommon Co Trans Auth	7205	7.0	8.4	0.5	12.0	-4.6%
Rose City, City of	6504	3.4	4.8	1.3	14.2	-0.3%
Rose Twp	6506	8.7	4.1	0.8	32.8	-2.6%
Royal Oak, Chtr Twp of	6306	49.0	28.5	0.2	16.9	-5.0%
Saginaw Chtr Twp	7314	7.1	8.4	1.3	16.0	-2.3%
Saginaw Co	7303	235.5	351.0	0.0	7.7	-6.2%
Saginaw Co 911 Com Ctr	7316	N/A	N/A	0.0	8.9	-1.3%
Saginaw Co CMH	7318	46.4	73.2	0.0	7.1	2.2%
Saginaw CRC	7304	5.3	9.1	0.7	9.2	-3.4%
Saginaw HC	7321	8.9	20.3	0.4	5.7	-5.9%
Saginaw Trans Sys Auth	7319	2.1	2.5	1.6	17.9	-0.3%
Saginaw, City of	7301	9.5	22.6	0.3	5.0	-6.1%
Saginaw, Pub Lib of	7317	6.2	5.2	1.1	47.6	-0.8%
Saginaw-Midland Muni Wtr Corp	7305	32.6	45.4	0.2	10.4	-2.5%
Saline, City of	8105	6.4	10.5	0.6	10.0	3.2%
Sandusky Dist Lib	7404	N/A	N/A	0.0	7.6	-9.5%
Sandusky, City of	7402	3.3	5.8	1.2	10.5	0.9%
Sanilac CRC	7410	2.7	3.8	1.8	10.4	-3.8%



## MERS December 31, 2022 Valuation - Results by Municipality

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		Market Value of Assets to Total Payroll	Actuarial Accrued Liability to Total Payroll	Actives to Retirees and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
Saranac HC	3413	6.6	8.3	1.5	15.6	-0.5%
Saugatuck Twp	0305	1.7	3.3	1.0	7.7	-3.7%
Saugatuck Twp Fire Dist	0313	1.3	1.5	7.0	35.2	8.7%
Saugatuck, City of	0307	3.3	3.5	0.8	12.6	-0.4%
Sault Ste. Marie HC	4906	5.0	5.3	1.7	13.2	-3.1%
Sault Ste. Marie Tribe of Chippewa Indians	8404	1.0	1.3	14.0	357.3	27.0%
Sault Ste. Marie, City of	1701	5.2	9.4	0.7	8.3	-4.3%
SCCMUA	1905	8.4	11.5	0.5	13.1	-2.3%
Schoolcraft Co	7503	5.5	10.8	0.5	8.6	-3.3%
Schoolcraft Co Trans Auth	7506	5.3	7.8	1.4	13.0	14.4%
Schoolcraft CRC	7501	7.7	15.0	0.5	7.1	0.2%
Schoolcraft Memorial Hosp	7505	30.9	41.6	0.1	13.2	-4.1%
Scio Twp	8116	3.4	5.2	1.6	20.7	0.1%
Scottville, City of	5308	2.1	2.7	2.3	19.4	0.5%
SE Oakland Co Rsrc Rec Auth	6310	4.2	6.1	0.7	12.0	0.9%
SE Oakland Co Wtr Auth	6309	7.9	8.9	0.7	13.5	-5.3%
Sebewaing, Vlg of	3205	9.9	9.9	0.5	17.2	-1.6%
SEMCOG	8210	6.2	8.8	0.8	12.4	-3.1%
Shepherd, Vlg of	3704	3.0	4.3	2.0	27.1	-0.2%
Shiawassee Co	7602	8.9	10.6	0.6	13.9	35.6%
Shiawassee Council on Aging	7605	1.9	2.7	1.3	9.1	4.2%
Shiawassee CRC	7601	13.1	14.0	0.6	14.8	0.9%
Shiawassee Dist Lib	7606	6.6	7.3	1.0	15.3	-4.0%
Shiawassee Hlth & Wellness	7609	2.6	3.7	1.2	16.0	0.8%
Sims Whitney Util Auth	0606	3.1	3.9	0.7	14.7	3.7%
SMART	8216	5.1	7.0	0.7	11.8	-0.8%
South Haven Area ESA	8005	5.5	8.9	1.9	16.0	2.5%
South Haven, City of	8001	4.4	6.3	1.1	14.4	-1.5%
South Lyon, City of	6315	6.0	10.1	0.8	15.8	-0.1%
Southgate, City of	8262	10.8	19.5	0.4	7.5	-4.3%
Sparta, Vlg of	4107	6.7	10.1	0.7	15.3	-2.1%
Spring Lake Dist Lib	7016	5.2	7.0	1.1	10.9	-4.1%
Spring Lake, Vlg of	7015	13.1	18.9	0.5	10.7	-0.7%
Springfield, City of	1303	9.4	15.6	0.3	8.0	0.9%
St Charles, Vlg of	7308	7.2	11.4	0.7	10.5	2.2%
St Clair HC	7715	N/A	N/A	0.0	3.3	-4.1%
St Clair Shores HC	5007	3.7	6.6	0.8	8.1	19.4%
St Clair, City of	7703	14.4	29.9	0.2	7.8	-4.3%
St Ignace, City of	4904	6.0	12.7	0.7	7.3	-3.4%
St Johns, City of	1902	16.5	28.9	0.2	8.0	-1.6%
St Joseph Co	7803	4.7	6.4	1.0	12.6	-3.4%
St Joseph Twp	1122	2.9	3.2	6.0	30.9	1.2%
St Louis HC	2908	7.6	8.8	3.0	58.4	1.6%
St Louis, City of	2902	29.0	34.5	0.1	10.7	-3.4%
Stambaugh Twp	3615	N/A	N/A	0.0	14.6	6.4%
Standish, City of	0601	N/A	N/A	0.0	8.7	-7.0%
Stanton, City of	5903	N/A	N/A	0.0	22.9	-3.7%
Stephenson, City of	5504	10.5	17.0	0.3	20.7	3.3%
Sterling, Vlg of	0605	8.6	7.7	0.5	12.3	-6.3%
Stockbridge, Vlg of	3316	5.0	7.8	0.8	19.4	2.0%
Sturgis HC	7805	N/A	N/A	0.0	34.6	-2.2%
Summit Twp	3803	5.3	9.5	1.1	12.4	0.3%
Sumpster Twp	8226	4.7	6.0	2.1	23.7	4.6%
Superior Chtr Twp	8109	2.5	4.3	2.0	11.5	1.0%
Superior Dist Lib	1702	3.3	2.8	1.8	19.1	-3.3%
Superiorland Lib Coop	5208	N/A	N/A	0.0	9.0	-3.6%
Suttons Bay Bingham Fire Auth	4506	1.9	3.5	5.0	23.2	6.6%
SW Mich Comm Amb Svcs	1119	3.3	4.0	3.4	23.5	1.8%
SW Shiawassee ESA	7611	1.8	2.1	6.3	47.5	8.0%
Swan Creek Twp	7309	3.9	6.4	0.6	8.4	-3.0%
Swartz Creek, City of	2504	102.6	129.3	0.1	10.4	-6.5%
Sylvan Lake, City of	6314	13.0	15.3	0.5	39.2	1.1%
Tawas Police Auth	3504	N/A	N/A	0.0	11.0	0.7%
Taylor HC	8231	4.9	6.5	0.5	15.9	-2.1%
The Lib Network	8218	6.2	8.5	0.8	16.4	-0.8%
Three Rivers, City of	7801	4.0	6.6	1.0	10.7	-2.7%
Tittabawassee Twp	7322	3.8	4.5	2.4	19.9	0.2%
Traverse Area Dist Lib	2807	6.7	8.5	0.5	11.2	-4.4%
Traverse City Light & Power	2811	9.4	14.1	0.5	10.4	0.9%





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Traverse City, City of	2801	3.5	6.8	0.8	7.6	-4.2%
Trenton, City of	8203	246.0	407.2	0.0	7.8	-3.8%
Tri-County Aging Consortium	3307	2.3	3.2	1.3	15.9	-0.6%
Trio Council on Aging Inc CLD	6507	N/A	N/A	0.0	12.5	-4.7%
Tuscarora Twp	1604	4.2	6.3	1.8	21.5	7.1%
Tuscola Co	7902	7.2	9.5	0.6	14.0	-3.6%
Tuscola Co CMH	7907	3.4	4.2	1.3	19.5	1.2%
Tuscola Co Hlth Dpt	7901	17.0	24.0	0.3	12.5	-4.1%
Tuscola Co MCF	7906	2.2	2.9	1.6	17.0	-0.9%
Tuscola CRC	7908	5.2	6.5	0.8	12.3	0.0%
Twin City Pub Safety Auth CLD	3610	N/A	N/A	0.0	18.0	-4.7%
Ubly, Vlg of	3212	N/A	N/A	0.0	8.9	-5.0%
Utica, City of	5008	6.8	8.9	0.9	13.7	5.8%
Van Buren Co	8006	2.3	3.8	1.9	12.2	-0.2%
Van Buren Dist Lib	8007	8.5	9.1	0.7	15.6	-4.8%
Van Buren Twp	8236	4.5	7.1	2.7	21.2	1.4%
Vassar, City of	7903	47.0	59.2	0.1	10.9	-6.7%
Vevay Twp	3318	9.4	15.9	0.1	6.6	4.4%
Vicksburg Dist Lib	3904	N/A	N/A	0.0	5.4	-5.4%
Vicksburg, Vlg of	3902	5.2	8.8	0.6	11.6	-2.7%
Vienna, Chtr Twp of	2522	13.2	21.0	0.3	7.6	-0.1%
W Iron Co Swr Auth	3612	3.7	8.1	0.8	6.6	-4.1%
W Mich CMH Sys	5304	N/A	N/A	0.0	8.0	-5.8%
W Mich Shoreline Rgnl Dev Comm	6110	7.1	8.2	1.0	14.8	-3.9%
W UP Dist Hlth Dept	3101	12.8	21.1	0.2	8.0	-2.4%
Wakefield, City of	2701	4.9	9.1	0.5	7.8	0.0%
Walker, City of	4112	16.1	21.6	0.3	11.6	1.3%
Walled Lake, City of	6324	3.5	10.9	0.7	6.0	1.7%
Washtenaw Co	8113	4.9	7.8	1.6	14.4	-0.2%
Washtenaw CRC	8102	5.0	10.1	0.9	8.8	-1.1%
Wayland, City of	0304	4.9	8.1	0.6	11.5	-1.8%
Wayne HC	8252	4.8	8.3	1.5	12.0	0.1%
Wayne, City of	8242	13.5	26.9	0.4	7.2	-4.2%
Webberville, Vlg of	3314	2.8	3.0	1.0	17.5	-1.7%
West Branch Dist Lib	6509	4.4	5.2	3.0	23.3	-0.5%
West Branch, City of	6505	4.2	7.6	0.8	8.8	-3.0%
Westland, City of	8211	39.9	49.6	0.1	12.1	-5.8%
Westphalia, Vlg of	1907	5.6	9.5	0.3	7.5	-6.2%
Wexford Co	8302	3.5	5.9	1.0	10.4	-1.7%
Wexford CRC	8303	11.0	11.3	0.6	18.1	2.8%
White Cloud Cmnty Lib	6208	4.3	6.8	1.0	6.3	-9.9%
White Cloud, City of	6206	2.4	4.2	0.6	9.3	-0.2%
White Cloud/Sherman Util	6211	2.9	4.6	1.5	17.1	5.3%
White Lake Chtr Twp	6325	4.4	7.2	1.4	12.1	-0.8%
White Pigeon, Vlg of	7804	1.5	1.8	2.0	23.7	5.2%
White Pine Dist Lib	5904	5.2	9.5	0.2	6.6	-0.6%
Whitehall, City of	6105	4.4	5.8	0.7	14.4	1.7%
Willard Pub Lib	1308	2.8	3.6	3.9	30.3	5.2%
Williamston, City of	3310	4.9	7.5	0.6	9.9	-2.9%
Wixom, City of	6316	25.4	31.3	0.3	15.7	-4.2%
Wolverine Lake, Vlg of	6329	4.1	6.1	1.0	16.4	4.0%
WUPPDR	3108	10.0	11.5	0.8	11.8	-5.5%
Ypsilanti Cmnty Util Auth	8106	5.4	9.1	0.8	10.0	-0.4%
Ypsilanti HC	8115	5.5	5.3	0.5	21.0	-1.3%
Ypsilanti, City of	8101	9.2	8.6	0.7	18.2	-3.8%
Ypsilanti, Twp of	8104	4.2	6.7	0.9	10.8	-2.2%
Totals- MERS		5.8	9.3	0.7	(10.3)	-1.6%



## **Appendix E: Plan Provisions: Actuarial Assumptions and Methods**

Located on the MERS website at: [Appendix](#).