MUNICIPAL EMPLOYEES' RETIREMENT SYSTEM OF MICHIGAN

SUMMARY REPORT OF THE 74th ANNUAL ACTUARIAL VALUATIONS AS OF DECEMBER 31, 2019 FOR THE 745 DEFINED BENEFIT PLAN AND HYBRID PLAN MUNICIPALITIES

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September 9, 2020

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

Ladies and Gentlemen:

This report presents a summary of the results of the 74th Annual Actuarial Valuations, prepared as of December 31, 2019, for the Municipal Employees' Retirement System (MERS) 745 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 purpose of each municipality's December 31, 2019 annual actuarial valuation is to measure funding progress, to determine the employer contribution rates for the fiscal year beginning in 2021, 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.

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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.

David T. Kausch, Rebecca L. Stouffer, and Mark Buis 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 3 - 14 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.
- The actuarial assumptions and funding methods adopted by the Retirement Board. See pages 15 - 34 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 does not reflect the recent and still developing impact of COVID-19, which is likely to influence demographic and economic experience, at least in the short-term. We will continue to monitor these developments and their impact on the MERS Defined Benefit and Hybrid plans. Actual 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,

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I. Results of the Actuarial Valuation

Overview

Our actuarial valuation of the liabilities and contribution rates for each of the 745 Defined Benefit Plan and Hybrid Plan participating municipalities in the Municipal Employees' Retirement System as of December 31, 2019 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, 2019 (see Section II).
3. The assets attributable to MERS participants of each participating municipality. The total assets (at actuarial value) for all 745 municipalities included in the December 31, 2019 valuation was $10.0 billion. The market value of assets was $9.9 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 July 2015 and February 2019, including funding policy updates through February 27, 2020.

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 2021, 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, 2019. At that date 54 municipalities (7.2% of all Defined Benefit Plan and Hybrid Plan municipalities in MERS) were funded at 100% or higher, down from 76 last year. There were 576 municipalities in MERS that were funded at 60% or higher (77% of all municipalities), down from 604 last year.

Changes in Municipality Funding Percentages in 2019

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 5. Factors that affect the change in a municipality's funded percentage during 2019 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 2019 valuations concludes the phase-of the effect of the 2008 market losses, resulting in reduced funded percentages.
  - The actual market rate of return during 2019 was greater than the assumed rate of return, but the actuarial rate of return during 2019 was lower than assumed resulting in decreased funded percentages. The impact of this greater than assumed rate of return is scheduled for recognition in the 2019 and following four valuations, absent offsetting negative experience in future years.
- Assumption Changes - At the February 28, 2019 board meeting, the MERS Retirement Board adjusted key economic assumptions, effective with the December 31, 2019 valuation. The actual impact of the assumption change varies by the demographics of the individual division; however, the result is generally reduced funded percentages.
  - Investment rate of return assumption - The Board adopted a reduction from 7.75% to 7.35%. This adjustment reflects a change in long term trends, and will continue to be monitored closely.
  - Wage inflation assumption – The Board adopted a reduction from 3.75% to 3.00%. Wage inflation considers large scale economic factors which reflect overall payroll growth over the long term.
- 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 2019 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. Only a portion of each year's investment market losses or gains were recognized in the 2019 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, 2019, the actuarial value of assets is 101% of market value. This means that meeting the actuarial assumption in the next few years will require average annual market returns that exceed the 7.35% assumed long-term investment return assumption.

If the current 1% difference between the actuarial value and market values of assets is not made up by greater than assumed investment returns in the future, employer contribution requirements may rise.

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 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 **Market Rate of Return (Gross)** on their website here. These figures are calculated by MERS external banking custodian and are annually audited. This 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 *Smoothed* (Net of Expenses)	Market Rate of Return (Net of Expenses)	Market Rate of Return (Gross)
2017	6.08%	13.07%	13.40%
2018	3.80%	-4.12%	-3.51%
2019	4.77%	13.41%	14.14%

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,		
	2019	**2018**	**2017**
Number of Participating Municipalities	729	729	727
Number of Closed Municipalities[1]	16	16	16
Total Defined Benefit and Hybrid Municipalities	745	745	743
Number of Valuation Divisions[2]			
Open to new hires	1,098	1,154	1,320
Closed to new hires	1,924	1,796	1,520
Closed municipalities	20	20	20
Total	3,042	2,970	2,860
Total Active Participant Payroll (millions)	$ 1,850	$ 1,813	$ 1,812
Assets at Market Value (millions)	$ 9,917	$ 8,956	$ 9,439
Assets at Actuarial Value (millions)	10,047	9,808	9,545
Actuarial Rate of Return[3]	4.77%	3.80%	6.08%
Actuarial Accrued Liability (millions)	$ 15,276	$ 14,424	$ 14,095
Median AAL Funded Percentage[4,5] (based on actuarial value of assets)	71%	73%	76%
Number of Municipalities[5]:			
Under 60% Funded	169	141	144
60%-80% Funded	328	335	320
80%-100% Funded	194	193	194
100%+ Funded	54	76	69
Median Plan Maturity Risk Measures:			
Ratio of Market Value of Assets over Payroll	4.8	4.4	N/A
Ratio of Actuarial Accrued Liability over Payroll	7.2	6.8	N/A
Ratio of Actives over Retirees and Beneficiaries	0.9	0.9	N/A
Ratio of Market Value of Assets over Benefit Payments	12.2	11.4	N/A
Ratio of Net Cash Flow over Market Value of Assets	-1.9%	-1.8%	N/A

[1] *Closed municipalities have ceased participation in MERS, but MERS retains assets and liabilities for future benefit payments to their retirees and vested former participants.*
[2] *Surplus divisions were recategorized as closed divisions during the 2018 valuation.*
[3] *Refer to discussion on prior page for additional detail.*
[4] *Average AAL Funded Percentage prior to 2018.*
[5] *Prior to 2018, figures shown exclude closed 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.

II. Participant Characteristics as of December 31, 2019

Active Participants

The total number of defined benefit plan active participants decreased from 33,891 on December 31, 2018 to 33,710 on December 31, 2019.

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

Item	December 31, 2019	2018	2017
Number of defined benefit plan active participants	33,710	33,891	34,787
Average age	45.7	45.7	45.8
Average benefit service	10.9	11.1	11.3
Average eligibility service[1]	11.8	11.9	12.0
Average compensation	$ 54,889	$ 53,488	$ 52,102
Aggregate compensation (millions)	$ 1,850.3	$ 1,812.8	$ 1,812.5

[1] *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 8,638 former employees with deferred vested rights as of December 31, 2019. This compares to 8,605 such participants as of the prior valuation.

Item	December 31, 2019	2018	2017
Number of vested former participants[1]	8,638	8,605	8,361
Average age	49.9	50.0	50.0
Average annual deferred benefit	$ 11,057	$ 10,838	$ 10,506

[1] *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 42,486 retirees and beneficiaries receiving payments as of December 31, 2019. The table below presents age and benefit information as of the current valuation and for the past two years.

Item	December 31, 2019	2018	2017
Number of pensioners	42,486	41,350	40,148
Average age	69.8	69.6	69.4
Average annual benefit	$ 22,339	$ 21,982	$ 21,588

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
1980	334	29,528	$ 399,413,360	$ 13,527		432	
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	2.6 %	6,126	$ 43,894,457
2006	668	36,846	1,545,886,480	41,955	4.6	6,235	46,110,745
2007	683	36,518	1,581,597,937	43,310	3.2	6,438	50,135,311
2008	692	36,092	1,624,855,145	45,020	3.9	6,662	54,141,539
2009	699	35,598	1,636,501,282	45,972	2.1	6,726	55,557,591
2010	715	35,816	1,683,983,258	47,018	2.3	6,961	60,836,793
2011	721	35,111	1,669,676,476	47,554	1.1	7,160	63,257,208
2012	726	34,187	1,640,390,877	47,983	0.9	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

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.

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
1980	6,423	6.9 %	$ 15,234,503	13.3 %
1985	8,343	5.6	27,747,190	13.9
1990	10,317	4.6	51,738,242	13.4
1995	13,032	4.3	102,010,673	11.8
2000	16,275	6.2	173,549,622	13.6
2005	20,155	4.6	288,061,637	9.9
2006	21,464	6.5	322,522,645	12.0
2007	22,600	5.3	353,541,830	9.6
2008	23,832	5.5	391,959,046	10.9
2009	24,930	4.6	423,577,691	8.1
2010	26,930	8.0	481,476,493	13.7
2011	28,202	4.7	520,998,787	8.2
2012	29,739	5.4	565,478,715	8.5
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

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

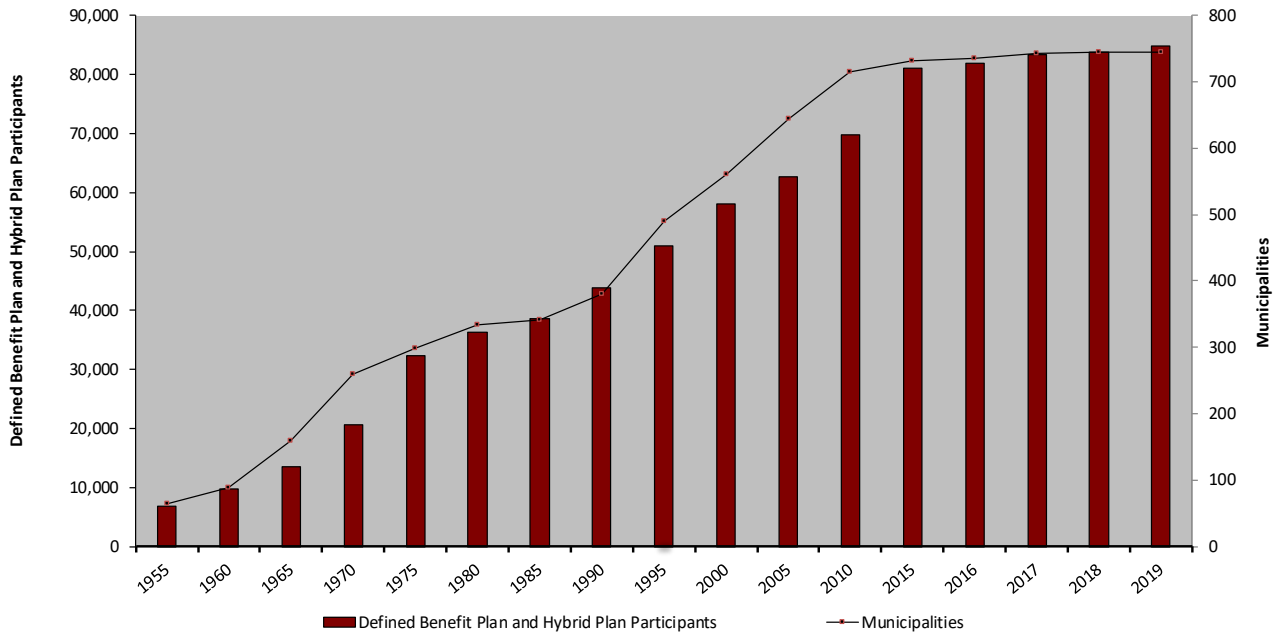


Chart 1 presents a comparison of the growth in MERS Defined Benefit Plan and Hybrid Plan municipalities to the growth in plan participants (active participants, vested former participants, and retirees and beneficiaries).

Chart 2: Active and Retired Participants

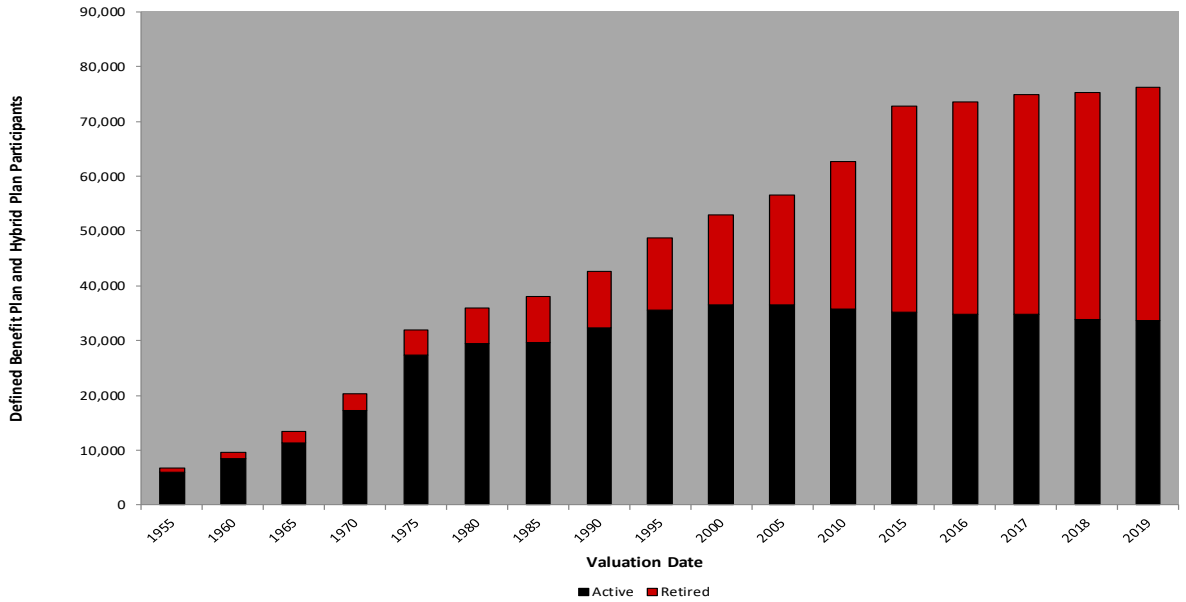


Chart 2 illustrates graphically the historical growth in the number of active participants and retirees and beneficiaries.

Chart 3: Active Participants Per Pension Recipient

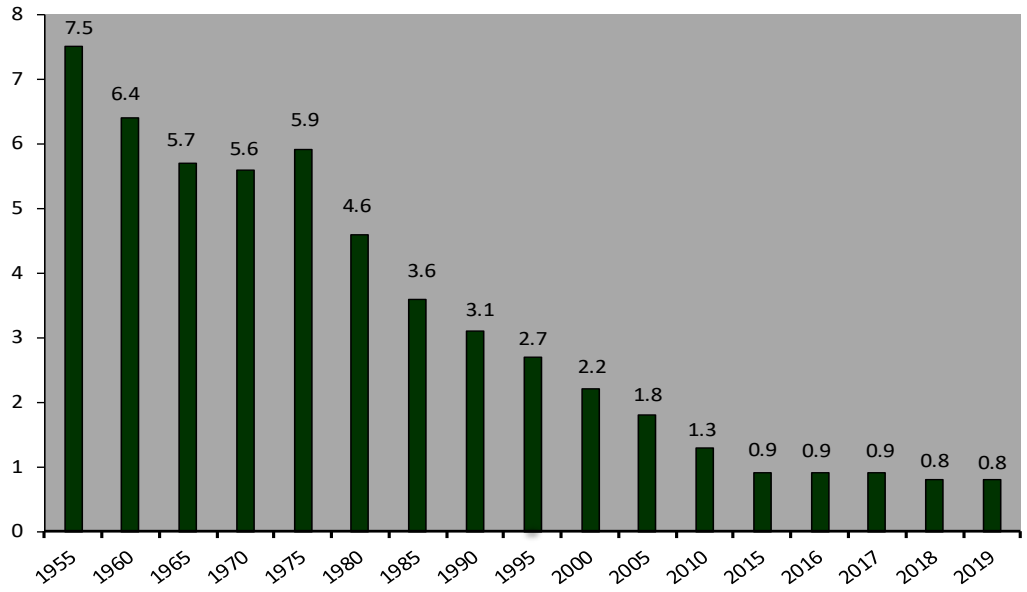
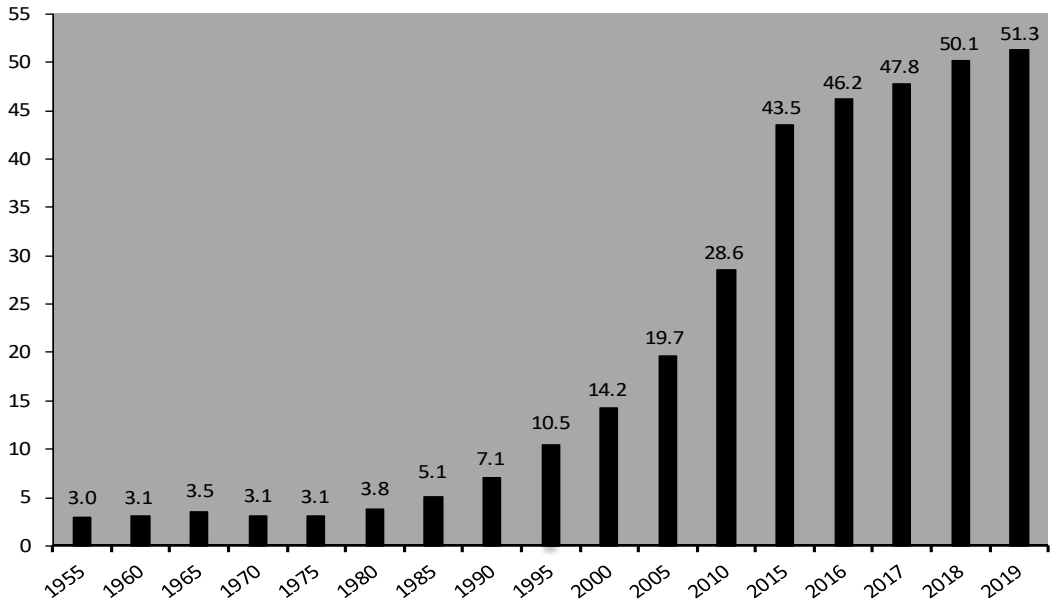


Chart 4: Retiree Benefits as a Percent of Active Pay



Charts 3 and 4 illustrate how MERS has matured over the years. Over time the number of active participants per retiree has declined from over 7 to just 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 51%.

Active Detail as of December 31, 2019

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

		Years of Benefit Service						
Age	Total	0-4	5-9	10-14	15-19	20-24	25-29	30 & Over
Total	33,710	12,406	6,179	4,142	4,386	3,786	1,681	1,130
	$54,889	$ 45,536	$ 55,909	$ 59,339	$ 62,024	$ 63,939	$ 64,867	$ 62,826
Under 20	84	84						
	$24,012	$ 24,012						
20-24	1,165	1,154	11					
	$38,118	$ 38,101	$ 39,894					
25-29	2,834	2,399	423	12				
	$47,472	$ 46,522	$ 52,740	$ 51,791				
30-34	3,232	1,923	1,040	261	8			
	$52,117	$ 47,691	$ 58,914	$ 57,237	$ 65,509			
35-39	3,755	1,554	958	834	388	21		
	$56,270	$ 47,315	$ 59,414	$ 65,789	$ 63,545	$ 63,153		
40-44	4,188	1,318	792	709	974	388	7	
	$58,678	$ 47,327	$ 57,756	$ 64,043	$ 67,156	$ 68,135	$ 52,808	
45-49	5,178	1,283	823	651	935	1,187	295	4
	$59,957	$ 46,062	$ 57,217	$ 59,385	$ 65,649	$ 70,101	$ 70,261	$ 72,910
50-54	5,089	1,129	769	600	783	977	594	237
	$57,485	$ 45,604	$ 53,753	$ 57,923	$ 60,281	$ 63,837	$ 67,247	$ 65,189
55-59	4,487	864	689	550	691	743	494	456
	$55,825	$ 46,439	$ 53,689	$ 54,354	$ 57,745	$ 58,676	$ 62,690	$ 63,617
60-64	2,679	487	476	364	453	372	221	306
	$52,173	$ 43,342	$ 49,891	$ 51,397	$ 55,054	$ 53,855	$ 57,077	$ 60,850
65 & Over	1,019	211	198	161	154	98	70	127
	$49,662	$ 37,422	$ 48,561	$ 49,259	$ 52,103	$ 52,050	$ 63,083	$ 60,023

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, 2019

Table 5: Tabulated by Attained Ages

Age	Number
Under 50	549
50 - 54	1,149
55 - 59	3,252
60 - 64	8,206
65 - 69	10,041
70 - 74	7,898
75 - 79	4,979
80 - 84	3,206
85 - 89	1,942
90 - 94	901
95 - 99	249
100 & Over	27
Certain Only[1]	87
Total	42,486

[1] *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[2,3]

Year of Retirement	Number	Average Annual Pension
Before 1970	13	$3,504
1970 - 1979	200	8,463
1980 - 1989	1,588	11,751
1990 - 1999	5,942	18,640
2000 - 2009	13,321	23,872
2010 - 2019	21,208	23,343
2020	214	22,860
Total	42,486	22,339

[2] *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.*

[3] *Reflects January 1 retirements for those that left employment on or before the valuation date.*

Retiree and Beneficiary Detail as of December 31, 2019

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	34,884	82.1 %	$ 69,725,542
Non-Duty Disability	1,166	2.7	1,640,904
Duty Disability	588	1.4	1,104,051
Beneficiaries[1]	4,960	11.7	5,592,850
Non-Duty Death	838	2.0	975,965
Duty Death	50	0.1	53,363
Totals	42,486	100.0 %	$ 79,092,675

[1] *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	13,400	31.5 %	$ 26,191,431
Beneficiary draws 67% of retiree's benefit	3	0.0	12,816
Beneficiary draws 75% of retiree's benefit	2,925	6.9	7,350,033
Beneficiary draws 60% of retiree's benefit	409	1.0	1,485,170
Beneficiary draws 50% of retiree's benefit	6,063	14.3	13,223,845
Equated Option (changing at Social Security age)	356	0.8	341,752
5 year certain and life	323	0.8	538,593
10 year certain and life	814	1.9	1,595,062
15 year certain and life	253	0.6	431,877
20 year certain and life	545	1.3	817,957
Straight life allowance	17,395	40.9	27,104,139
Totals	42,486	100.0 %	$ 79,092,675

Provision Detail as of December 31, 2019

Table 9: Valuation Divisions Tabulated by Valuation Year and Benefit Formula
(Prior to 2018: Excludes Select Divisions)

Benefit Formula	Number of Divisions with Benefit on December 31, 2019	2018	2017
Flat Multiplier (Max varies)			
Less than 1.50%	40	39	37
1.50% to less than 1.75%	234	230	219
1.75% to less than 2.00%	6	6	3
2.00% to less than 2.25%	413	410	391
2.25% to less than 2.50%	541	550	549
2.50% to less than 2.75%	875	881	898
2.75% and above	67	74	74
Tiered Multiplier (Max varies)			
By Service	35	35	33
By Age	46	46	47
By FAC	21	21	21
Other			
Frozen Benefits (Incl. Optional Freeze)	18	13	11
Old Plan Benefits	44	44	24
Other	0	0	0
Surplus Division	252	194	0
Bridged Benefit (Frozen FAC; Grouped on Pre-Bridge Multiplier)			
Less than 1.50%	0	0	0
1.50% to less than 1.75%	6	6	6
1.75% to less than 2.00%	0	0	0
2.00% to less than 2.25%	17	16	16
2.25% to less than 2.50%	25	22	20
2.50% to less than 2.75%	109	102	75
2.75% and above	22	13	10
Tiered Multiplier	18	18	14
Frozen Benefits	19	19	19
Bridged Benefit (Termination FAC; Grouped on Pre-Bridge Multiplier)			
Less than 1.50%	1	1	1
1.50% to less than 1.75%	2	2	1
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%	7	7	6
2.50% to less than 2.75%	11	9	9
2.75% and above	9	9	9
Tiered Multiplier	3	3	4
Hybrid Plan			
1.00% Multiplier	56	56	53
1.25% Multiplier	57	57	54
1.50% Multiplier	77	77	69
1.75% Multiplier	4	4	4
2.0% Multiplier	2	2	2
Frozen Benefits	3	2	0

Benefit Formula	Number of Divisions with Benefit on December 31, 2019	2018	2017
Subtotals			
Flat Multiplier (Max varies)	2,176	2,190	2,171
Tiered Multiplier (Max varies)	102	102	101
Other	314	251	35
Bridged Benefit (Frozen FAC; Grouped on Pre-Bridge Multiplier)	216	196	160
Bridged Benefit (Termination FAC; Grouped on Pre-Bridge Multiplier)	35	33	32
Hybrid Plan	199	198	182
Total Divisions	3,042	2,970	2,681

Table 9 shows the distribution of benefit provisions in effect for the 2019 and past two valuations. MERS is a multiple-employer plan, where each municipality decides its benefit structure.

Provision Detail as of December 31, 2019

Table 10: Additional Benefit Programs

Benefit Program (Required)	No. of Divisions	Benefit Program (Optional)	No. of Divisions	Benefit Program (Optional)	No. of Divisions
Normal Retirement		**Unreduced Retirement**		**COLA for Existing Retirees**	
50	5	**(Age and Service)**		0.50% (Non-Compound)	1
52	3	49/20	1	1.40% (Non-Compound) payable for 10 years	1
55	47	50/20	3	2.00% (Non-Compound)	1
58	7	50/25	482	2.50% (Non-Compound)	288
59	2	50/28	1	2.00% (Compound)	25
60	2,675	50/30	6	2.00% (Compound) payable Years 6-10	1
62	6	52/25	1	2.00% (Compound) payable Years 6-15	1
65	1	53/25	6	2.00% (Compound; CPI Limit)	1
Old Plan Benefits	44	55/10	10	3.00% (Compound)	5
Surplus	252	55/15	346	CPI (Compound; 3% Limit) to Age 65	2
		55/20	257	CPI (Compound; 4% Limit)	1
Early (Reduced)		55/25	749	$300 Annual Flat Dollar	1
Retirement		55/30	72	Varies	3
0/25 or 55/10	1	57/25	2	**COLA for Future Retirees**	
50/25 or 55/10	7	60/10	7	0.50% (Non-Compound)	1
50/25 or 55/15	1,594			1.00% (Non-Compound)	9
52/25 or 57/15	6	**Unreduced Retirement**		1.40% (Non-Compound) payable for 10 years	1
55/25 or 60/15	1	**(Service)**		1.50% (Non-Compound)	1
50/25	255	6 & out	1	2.00% (Non-Compound)	4
55/10	6	20 & out	24	2.50% (Non-Compound)	687
55/15	520	21 & out	1	2.50% (Non-Compound) commencing at age 54	2
None	356	22 & out	4	1.00% (Compound)	1
Old Plan Benefits	44	23 & out	5	2.00% (Compound)	24
Surplus	252	25 & out	157	Bridged COLA	
		30 & out	13	2.50% (Non-Compound) before, 0.00% after	21
Vesting					
3 years	1	**Unreduced Retirement**		**D2 Provisions**	
5 years	35	**(Points)**		D2 (25%)	81
6 years	639	Rule of 65	2	D2 (50%)	4
7 years	3	Rule of 80	3	D2 (55%)	1
8 years	222	Rule of 85	6	D2 (67%)	17
10 years	1,830			D2 (70%)	11
15 years	16	**Survivor Provisions**		D2 (50% Dth; 67% Dsb)	1
Old Plan Benefits	44	RS 50%	155	D2 (67% Dth; 50% Dsb)	17
Surplus	252	RS 60%	23	D2 No Svc Proj	18
		RS 100%	1		
FAC Period		RS 75%	2	**Disability and Death Provisions**	
2 years	13	Sub.75%	15	DD 50% FAC Min	2
3 years	1,284			DD 80% FAC Min	1
4 years	3	**Other Provisions**		Dty Dsb 65% FAC Min	1
5 years	1,424	PRO	1	Non Dty Dsb 25% FAC Min	6
2 out of 10	1	SLIF	56	Non Dty Dsb 55% FAC Min	1
3 out of 10	4	AWD TBill	31	NDD15% FAC Min	17
5 out of 10	6	AWD (Valuation Interest Rate)	5	NDD25% FAC Min	6
3 out of 5	11	DROP+ (4%)	2	NDD55% FAC Min	1
Old Plan Benefits	44	DROP: Traditional	3	NDD/Dsb Elg: 1 year	6
Surplus	252	Max $ FAC	3	Non Dty Dsb Elg: 5 years	2
		Late Retirement	6	Non Dty Dsb Elg: 10 years	10
		Deferred GrowNRD	11	Dty Dsb: Alt Svc Proj	5
		Deferred Other	1	Non Dty Dsb: Svc Proj	2

Table 10 shows the distribution of Additional Benefit Programs in effect (by division) for the 2019 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 (7.75% beginning with calendar year 2016, changing to 7.35% beginning with calendar year 2020), and includes an adjustment to reflect market value. This procedure was instituted for the December 31, 2005 valuation and further modified with the 2015 experience study, and is applied as follows:

(i) Preliminary value is determined by taking the sum of the actuarial value at the beginning of the year and the excess of income over expenses during the year, assuming that the fund earns the assumed rate 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.

The cumulative difference between the market value and valuation assets as of December 31, 2015 has been fully recognized as of December 31, 2019.

For the December 31, 2019 valuation, this procedure produced an actuarial asset value that is equal to 101.32% of market value. The table below shows a brief historical comparison of this ratio.

Valuation Year	Actuarial Asset Value as a % of Market Value
2019	101.32%
2018	109.53%
2017	101.13%
2016	107.71%
2015	113.54%

On page 34 of Appendix E (on the MERS website at: Appendix) we have illustrated the development of the actuarial value of assets for the December 31, 2016 through December 31, 2019 actuarial valuations. The market value of assets reported to the actuary includes most accounts receivables.

IV. Employer Contributions and Funded Status as of December 31, 2019

Table 11: Computed Employer Contribution Rates (Includes Open Divisions with Active Members)

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. %
Flat Multiplier (Max varies)							
Less than 1.50%	17	4.96%	0.32%	13	6.69%	30	0.71%
1.50% to less than 1.75%	129	4.53%	4.97%	36	8.49%	165	5.41%
1.75% to less than 2.00%	3	6.79%	2.66%	2	7.50%	5	4.13%
2.00% to less than 2.25%	145	4.90%	9.73%	53	15.51%	198	11.31%
2.25% to less than 2.50%	121	5.47%	19.93%	43	17.40%	164	19.06%
2.50% to less than 2.75%	172	7.59%	21.89%	51	37.41%	223	24.07%
2.75% and above	15	7.70%	30.37%	2	29.09%	17	30.33%
Tiered Multiplier (Max varies)							
By Service	14	8.77%	24.79%	0	0.00%	14	24.79%
By Age	11	5.07%	13.51%	4	17.08%	15	13.83%
By FAC	4	1.31%	6.54%	3	9.62%	7	6.74%
Bridged Benefit (Frozen FAC; Grouped on Pre-Bridge Multiplier)							
Less than 1.50%	0	0.00%	0.00%	0	0.00%	0	0.00%
1.50% to less than 1.75%	5	5.00%	4.56%	1	0.00%	6	4.45%
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%	8	2.71%	9.47%	1	17.97%	9	9.57%
2.25% to less than 2.50%	5	6.29%	38.84%	0	0.00%	5	38.84%
2.50% to less than 2.75%	23	7.30%	18.91%	1	20.76%	24	18.99%
2.75% and above	10	11.13%	64.14%	0	0.00%	10	64.14%
Tiered Multiplier	2	1.00%	15.85%	0	0.00%	2	15.85%
Bridged Benefit (Termination FAC; Grouped on Pre-Bridge Multiplier)							
Less than 1.50%	1	7.00%	10.09%	0	0.00%	1	10.09%
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	6.00%	8.37%	0	0.00%	1	8.37%
2.25% to less than 2.50%	2	6.00%	25.43%	0	0.00%	2	25.43%
2.50% to less than 2.75%	4	4.86%	16.16%	0	0.00%	4	16.16%
2.75% and above	1	17.00%	34.17%	0	0.00%	1	34.17%
Tiered Multiplier	0	0.00%	0.00%	1	0.00%	1	0.00%
Hybrid Plan							
1.00% Multiplier	0	0.00%	0.00%	50	4.47%	50	4.47%
1.25% Multiplier	0	0.00%	0.00%	46	4.66%	46	4.66%
1.50% Multiplier	1	1.87%	5.00%	66	7.59%	67	7.59%
1.75% Multiplier	0	0.00%	0.00%	4	7.22%	4	7.22%
2.00% Multiplier	0	0.00%	0.00%	2	8.70%	2	8.70%
Total	695	5.94%	14.69%	379	11.74%	1,074	13.75%

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 5: Distribution of Funded Percentage of Actuarial Accrued Liability

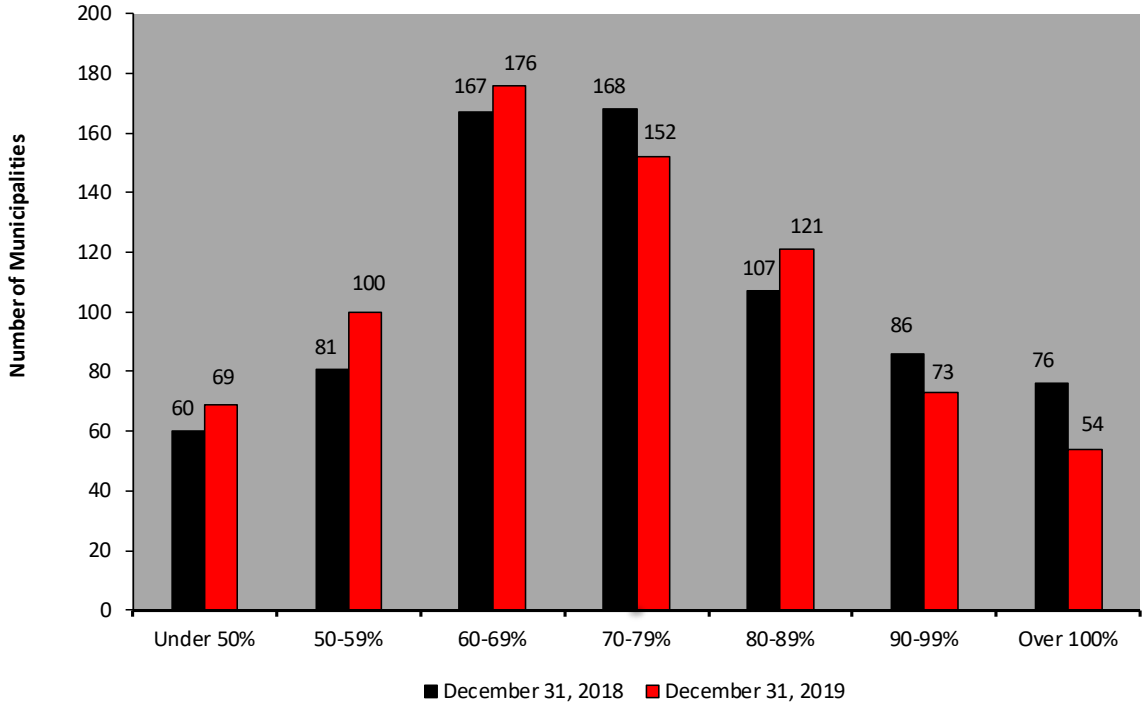


Chart 5 provides a distribution of the municipalities by funded percentage of the entire municipality, comparing the 2019 and 2018 valuation years. As of December 31, 2019:

- 576 municipalities are funded at 60% or higher. This represents 77% of all municipalities.
- 54 municipalities are funded at 100% or more. This represents 7.2% of all municipalities.
- The median funded percentage is 71% in 2019 and 73% in 2018.

This distribution includes municipalities, 745 as of December 31, 2019 and 745 as of December 31, 2018.

Chart 6: Distribution of Divisions by Employer Contribution Rate

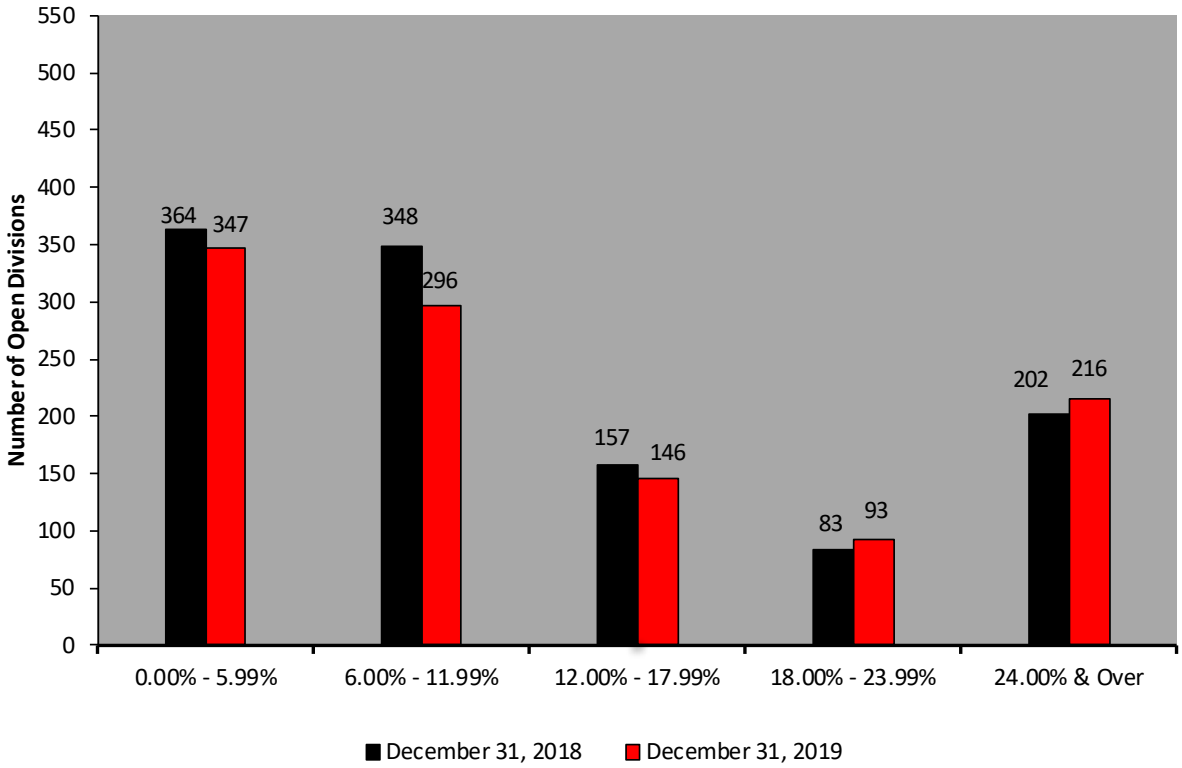


Chart 6 provides a distribution of divisions by employer contribution rate (as a percentage of payroll) for divisions that are open to new hires, comparing 2019 and 2018. Note that:

- The median employer contribution rate, for all open divisions, is 9.37% in the 2019 valuations, compared to 9.16% in the 2018 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, 2019

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, 2019 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

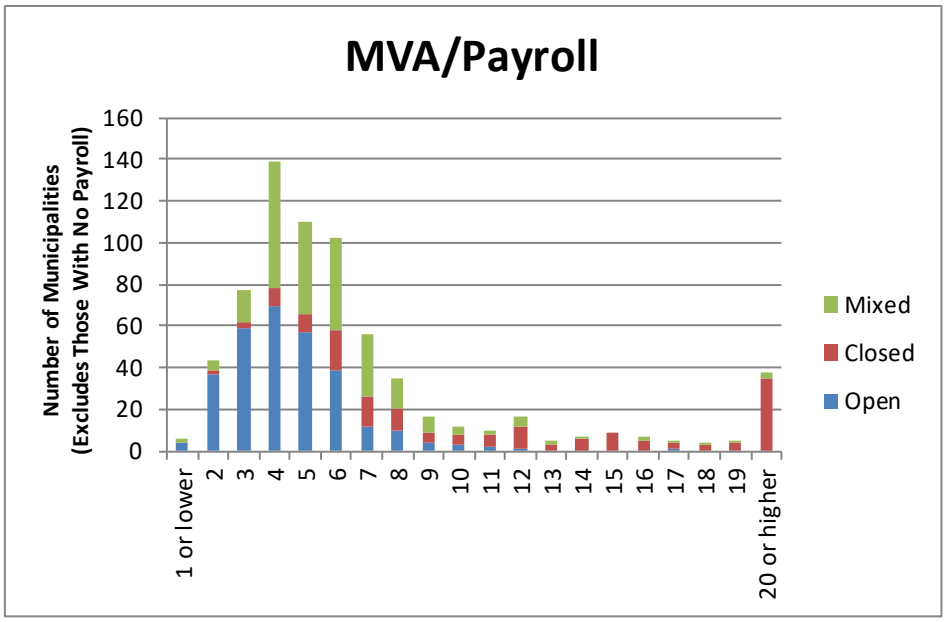
The ratio of the market value of assets (MVA) over active payroll provides an indication of the size of the plan relative to the size of the employer. As a plan matures and assets accumulate, this ratio generally increases. For plans that have a large portion of retirees or a declining payroll (e.g., 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, 2019, there were 702 employers with non-zero payroll. The median ratio of the market value of assets to payroll was 4.8. 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 3.7 for plans with all open divisions and 10.7 for plans with all divisions closed, over twice as high.

Chart 7: Distribution of Market Value of Assets over Payroll



MVA/Payroll

	Count	Median
Closed Employer[1]	16	N/A
Open Employer, All Divisions Open	298	3.7
Open Employer, All Divisions Closed	161	10.7
Open Employer, Mix of Open and Closed Divisions	243	4.9
Subtotal	718	4.8
No Payroll[1]	27	N/A
Total	745	4.8

[1] *Employers with no payroll were excluded from the chart.*

Actuarial Accrued Liability over Payroll

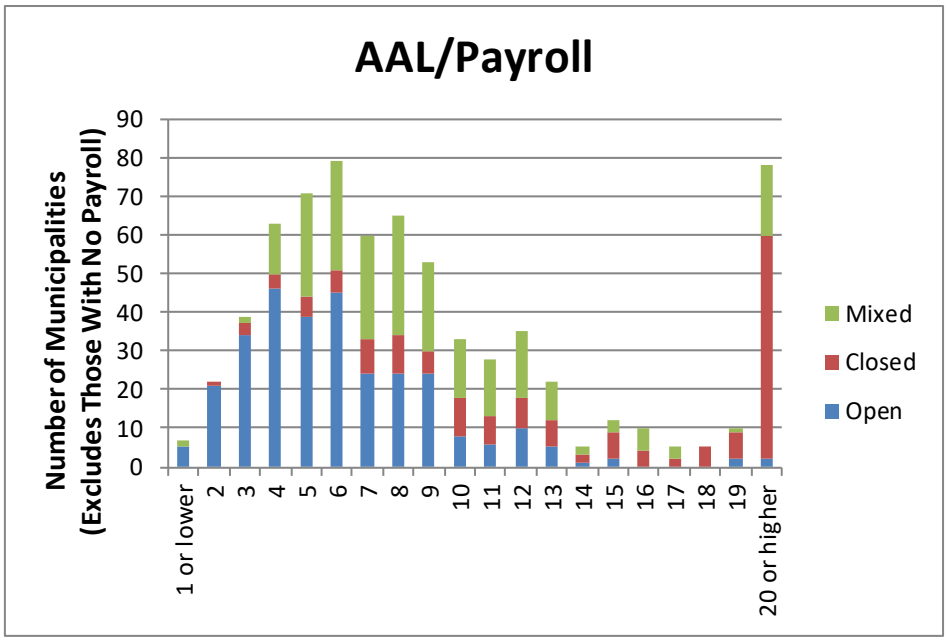
The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll 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, 2019, there were 702 employers with non-zero payroll. The median ratio of the actuarial accrued liability to payroll was 7.2. 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 5.1 for plans with all open divisions and 14.5 for plans with all divisions closed, over twice as high.

Chart 8: Distribution of Actuarial Accrued Liability over Payroll



AAL/Payroll

	Count	Median
Closed Employer[1]	16	N/A
Open Employer, All Divisions Open	298	5.1
Open Employer, All Divisions Closed	161	14.5
Open Employer, Mix of Open and Closed Divisions	243	7.8
Subtotal	718	7.2
No Payroll[1]	27	N/A
Total	745	7.2

[1] *Employers with no payroll were excluded from the chart.*

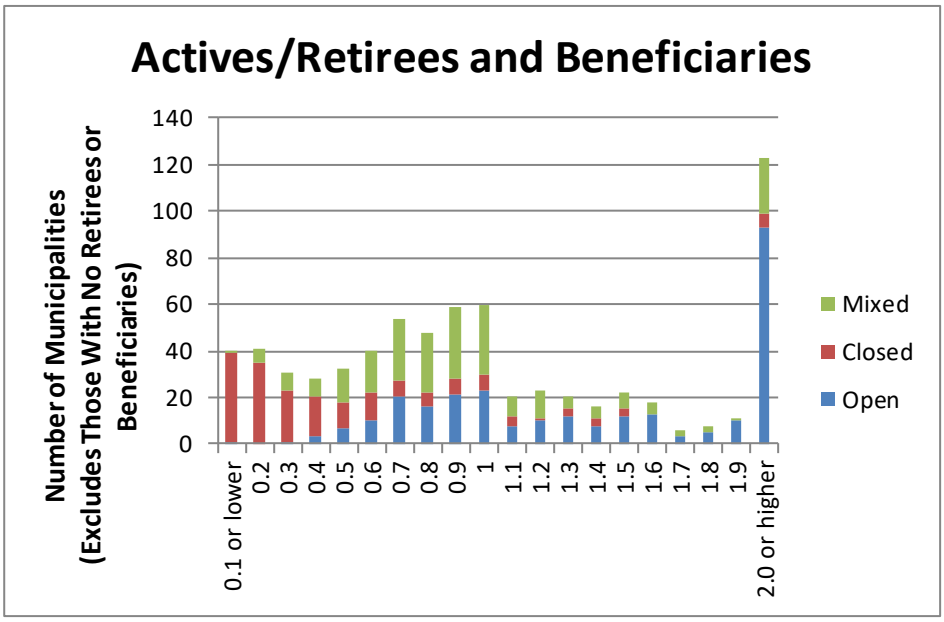
Actives over Retirees and Beneficiaries

A young plan with many active participants and few retirees will have a high ratio of active 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, 2019, there were 716 employers with a non-zero retiree and beneficiary count. The median ratio of actives to retirees and beneficiaries was 0.9. 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 1.4 for plans with all open divisions and 0.3 for plans with all divisions closed, a third as high.

Chart 9: Distribution of Actives over Retirees and Beneficiaries



Actives/Retirees and Beneficiaries

	Count	Median
Closed Employer	16	0.0
Open Employer, All Divisions Open	276	1.4
Open Employer, All Divisions Closed	182	0.3
Open Employer, Mix of Open and Closed Divisions	242	0.8
Subtotal	716	0.9
No Retirees and Beneficiaries[1]	29	N/A
Total	745	0.9

[1] *Employers with no retirees or beneficiaries were excluded from the chart.*

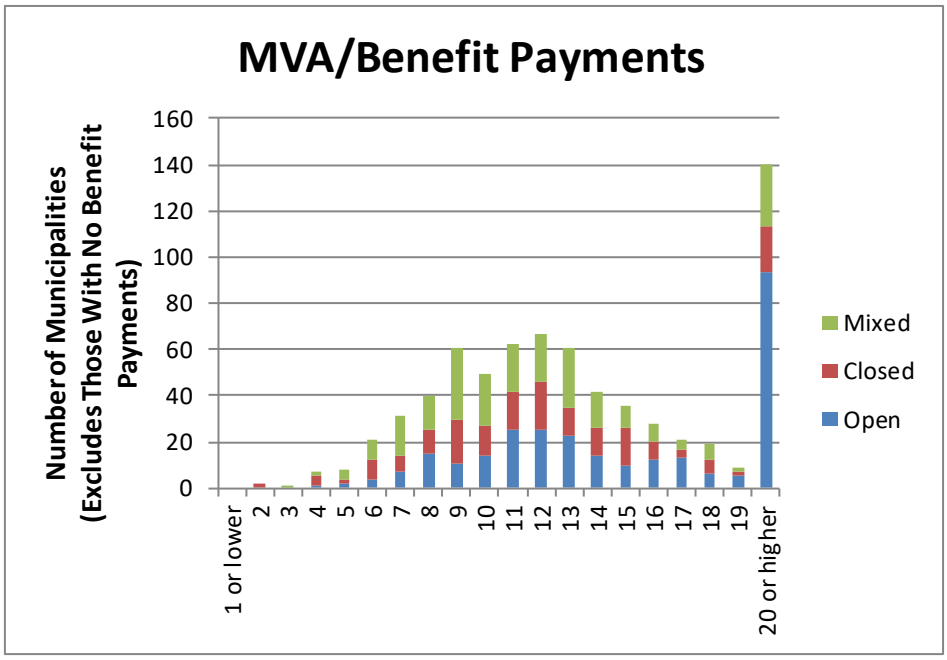
Market Value of Assets over Benefit Payments

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 11.0. 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 7.35% rate 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, 2019, there were 721 employers with non-zero benefit payments. The median ratio of MVA to benefit payments was 12.2. 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 14.0 for plans with all open divisions and 11.4 for plans with all closed divisions.

Chart 10: Distribution of Market Value of Assets to Benefit Payments



MVA/Benefit Payments

	Count	Median
Closed Employer	16	13.4
Open Employer, All Divisions Open	280	14.0
Open Employer, All Divisions Closed	183	11.4
Open Employer, Mix of Open and Closed Divisions	242	11.0
Subtotal	721	12.2
No Benefit Payments[1]	24	N/A
Total	745	12.2

[1] *Employers with no benefit payments were excluded from the chart.*

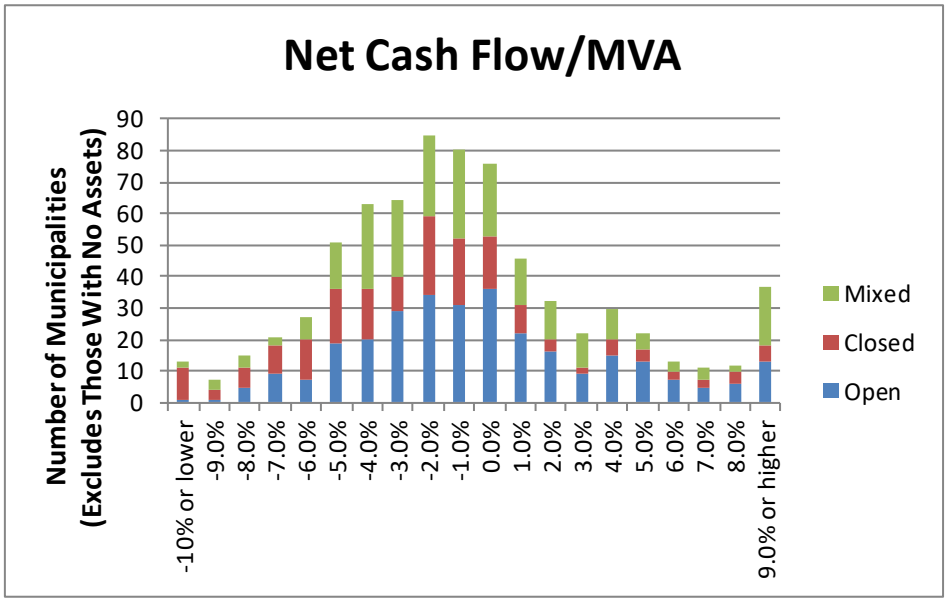
Net Cash Flow as a Percent of Market Value of Assets

The ratio of the net cash flow as a percent of the market value of assets (MVA) gives a rough indication of the draw down 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 7.35% rate of return for the year would experience a decline in assets of 2.65% (7.35% - 10.00%).

As of December 31, 2019, the median ratio of net cash flow to MVA was -1.9%. 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 -1.2% for plans with all open divisions, -2.6% for plans with all divisions closed, and -7.2% for all closed municipalities.

Chart 11: Distribution of Net Cash Flow as a Percent of Market Value of Assets



Net Cash Flow/MVA

	Count	Median
Closed Employer	16	-7.2%
Open Employer, All Divisions Open	298	-1.2%
Open Employer, All Divisions Closed	186	-2.6%
Open Employer, Mix of Open and Closed Divisions	243	-1.6%
Subtotal	743	-1.9%
No beginning of year assets[1]	2	N/A
Total	745	-1.9%

[1] Employers with no beginning of year assets in MERS (such as new plans) were excluded from the chart.

APPENDICES

MUNICIPAL EMPLOYEES' RETIREMENT SYSTEM OF MICHIGAN

DECEMBER 31, 2019 VALUATION RESULTS
BY MUNICIPALITY

Appendix A: Participant Information

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix A: Participant Information

				Participant Information					
Municipality Name	Number	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	7/1/2021	9	423,435	7	185,184	1	3,954
23rd Jud Dist Ct	8223	1	7/1/2021	7	353,413	9	231,018	3	42,042
26th Jud Cir Ct	0403	1	1/1/2021	16	613,846	26	279,294	17	71,072
34th Dist Ct	8235	1	7/1/2021	32	1,578,865	15	540,748	7	111,240
35th Dist Ct	8234	2	1/1/2021	15	762,183	16	458,695	1	13,700
41 B Dist Ct	5014	3	1/1/2021	35	1,531,792	41	722,426	6	76,657
Addison Fire Dept	4607	1	4/1/2021	1	107,366	0	0	1	15,481
Adrian, City of	4601	11	7/1/2021	105	5,899,164	161	4,620,141	25	369,201
Aitkin Memorial Dist Lib	7407	1	7/1/2021	0	0	0	0	1	22,644
Albion, City of	1301	6	1/1/2021	16	855,488	101	1,205,601	11	70,534
Alcona Co	0101	8	1/1/2021	44	1,751,484	68	1,017,030	10	52,918
Alger Co	0203	18	1/1/2021	33	1,734,540	41	866,985	2	20,011
Alger CRC	0201	2	1/1/2021	26	1,572,663	36	732,744	3	60,335
Algonac, City of	7707	4	7/1/2021	4	230,686	26	473,022	13	178,547
Allegan Co	0302	15	1/1/2021	46	3,726,380	276	4,749,019	48	431,347
Allegan CRC	0301	5	1/1/2021	56	2,910,068	81	1,954,981	1	16,355
Allegan, City of	0309	5	7/1/2021	8	615,581	9	325,738	4	29,869
Alma, City of	2901	7	7/1/2021	78	3,234,684	88	1,680,022	7	93,040
Almont, Vlg of	4407	6	7/1/2021	13	756,956	7	146,830	4	54,377
Alpena Co	0401	8	1/1/2021	90	4,043,688	132	1,592,197	29	211,817
Alpena CRC	0402	1	1/1/2021	12	671,649	42	929,737	1	7,490
Alpena HC	0406	1	1/1/2021	6	356,906	3	79,531	0	0
Alpena Sr Citizens Ctr	0404	1	10/1/2021	0	0	6	77,315	0	0
Alpha, Vlg of	3614	1	4/1/2021	1	8,983	0	0	2	2,641
Antrim Co	0502	7	1/1/2021	262	12,408,193	213	2,304,840	73	533,549
Antrim CRC	0501	4	1/1/2021	34	1,561,249	43	874,453	4	97,125
Arenac Co	0603	10	1/1/2021	28	1,232,081	72	728,732	20	135,701
Arenac CRC	0604	5	1/1/2021	17	905,130	34	536,219	1	8,158
Armada Twp	5022	1	4/1/2021	8	418,178	0	0	0	0
Ash Twp	5804	1	4/1/2021	5	223,314	2	48,393	2	7,708
Au Gres, City of	0602	2	4/1/2021	1	49,869	9	215,844	0	0
Auburn, City of	0905	3	7/1/2021	1	2,529	7	162,173	2	14,680
Bad Axe Area Dist Lib	3214	1	7/1/2021	1	49,705	0	0	0	0
Bad Axe, City of	3211	1	7/1/2021	20	1,087,267	22	572,793	1	14,941
Bancroft, Vlg of	7610	1	3/1/2021	0	0	1	7,884	1	6,352
Bangor, City of	8003	1	7/1/2021	8	184,644	15	128,280	18	37,899
Baraga Co	0702	2	1/1/2021	29	1,387,027	31	409,511	8	44,934
Baraga Co Memorial Hosp	0703	2	10/1/2021	40	1,978,021	136	1,542,381	28	241,843
Baraga CRC	0701	9	10/1/2021	20	939,543	35	550,994	1	17,107
Baraga, Vlg of	0704	4	3/1/2021	10	496,261	12	295,662	3	36,279
Baroda Lake Twp Police Dept	1109	1	4/1/2021	5	366,681	1	12,131	1	683
Barry Co	0802	16	1/1/2021	438	19,097,383	253	3,910,081	85	853,810
Barry Co CMH Auth	0804	1	10/1/2021	67	3,027,337	11	381,267	18	221,081
Barry Eaton Dist Hlth Dept	2303	2	1/1/2021	46	2,230,330	98	1,364,596	33	325,769
Barton Hills, Vlg of	8107	1	4/1/2021	1	69,447	1	29,421	1	28,952
Bates Twp	3616	1	4/1/2021	0	0	1	27,441	0	0
Bath Chtr Twp	1909	1	1/1/2021	24	1,532,861	12	356,162	4	41,473
Battle Creek, City of	1302	15	7/1/2021	342	19,515,143	423	10,907,856	48	699,972
Bay Area Trans Auth	2810	2	10/1/2021	109	4,346,759	55	340,593	12	80,897
Bay City HC	0906	2	10/1/2021	3	165,780	25	713,043	0	0
Bay City, City of	0901	7	7/1/2021	26	1,523,585	288	6,411,597	14	165,936
Bay Metro Trans Auth	0907	7	10/1/2021	80	3,595,274	69	965,479	11	53,676
Beecher Metro Dist Swg&Wtr	2501	2	7/1/2021	5	328,289	14	413,301	1	15,164
Belding, City of	3410	3	7/1/2021	7	355,258	7	196,675	4	9,770
Belleville, City of	8213	5	7/1/2021	13	665,360	21	466,812	9	48,138
Benton Harbor, City of	1120	4	7/1/2021	50	1,916,737	82	2,157,065	8	119,057
Benzie Co	1003	10	10/1/2021	91	4,151,050	92	1,145,502	34	278,193
Benzie Co Comm on Aging CLD	1006	1	10/1/2021	0	0	8	85,584	5	28,238
Benzie Co MCF (The Maples)	1004	3	1/1/2021	128	4,905,583	67	643,688	23	123,025
Benzie CRC	1001	5	1/1/2021	32	1,312,909	49	683,396	9	85,584
Benzie Shores Dist Lib	1005	1	7/1/2021	0	0	1	32,768	0	0
Benzie Trans Auth	1007	1	10/1/2021	8	307,874	6	20,202	2	8,399
Benzie/Leelanau Dist Hlth Dept	4504	1	10/1/2021	2	125,197	3	63,175	0	0
Berkley, City of	6304	5	7/1/2021	41	2,101,331	76	1,756,661	12	143,422
Berrien Springs, Vlg of	1102	2	7/1/2021	10	501,591	11	117,035	4	28,259
Bessemer, City of	2702	1	7/1/2021	12	612,262	10	125,546	1	2,549
Beverly Hills, Vlg of	6321	4	7/1/2021	17	1,465,257	56	1,697,271	11	205,274
Big Rapids HC	5406	1	4/1/2021	2	193,144	5	118,669	2	16,212
Big Rapids, City of	5402	2	7/1/2021	9	516,808	54	1,232,019	3	12,760
Bingham Farms, Vlg of	6332	1	7/1/2021	2	185,304	1	21,426	0	0
Birch Run, Vlg of	7315	3	7/1/2021	14	641,813	4	72,126	5	21,850
Bishop Intl Arpt Auth	2507	1	1/1/2021	24	1,590,859	19	374,267	2	71,764
Blackman Chtr Twp	3806	1	1/1/2021	40	2,995,374	15	529,209	1	48,835
Blissfield, Vlg of	4606	1	7/1/2021	22	1,200,276	10	215,102	9	55,032
Bloomfield Hills, City of	6302	8	7/1/2021	21	1,830,511	46	2,479,560	3	75,365
Blue Water Area Trans Comm	7709	2	10/1/2021	63	2,983,176	27	357,548	5	38,616
Boyne City HC	1508	2	10/1/2021	4	172,213	5	85,899	2	19,120
Boyne City, City of	1506	3	5/1/2021	8	566,616	39	609,514	4	40,218
Branch Co	1205	22	1/1/2021	271	12,795,757	166	2,814,467	191	2,365,087
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	2	1/1/2021	32	1,439,800	66	952,092	20	196,248
Brandon Chtr Twp of	6333	2	1/1/2021	30	1,628,985	19	395,475	2	29,988

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
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Municipality Name	Number	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
Breckenridge,Vlg of	2906	3	3/1/2021	9	364,755	10	197,019	5	21,377
Bridgeport Chtr Twp	7307	6	1/1/2021	35	1,695,747	43	607,533	23	226,375
Bridgman, City of	1110	2	7/1/2021	18	974,598	9	121,621	4	31,319
Brighton Area Fire Auth	4715	1	7/1/2021	0	0	2	48,639	0	0
Brighton, Chtr Twp of	4711	8	4/1/2021	11	600,806	11	112,202	5	42,671
Brighton, City of	4704	8	7/1/2021	41	3,238,963	46	1,360,279	14	165,742
Britton, Vlg of	4604	1	3/1/2021	2	75,350	0	0	1	5,001
Bronson, City of	1204	3	7/1/2021	12	680,835	7	102,444	3	33,683
Brooklyn, Vlg of	3801	1	7/1/2021	9	398,715	4	86,744	1	3,996
Brownstown, Chtr Twp of	8247	3	1/1/2021	65	4,599,022	20	1,021,366	6	83,355
Buchanan Dist Lib	1108	1	7/1/2021	5	176,694	1	3,673	2	8,029
Buchanan, City of	1101	4	7/1/2021	28	1,521,344	34	467,566	8	78,243
Buena Vista Chtr Twp	7312	7	1/1/2021	30	1,554,071	31	841,382	15	165,232
Burton, City of	2508	6	7/1/2021	79	3,984,348	97	3,699,561	23	287,333
Butman Twp CLD	2604	1		0	0	3	7,287	0	0
Cadillac, City of	8301	7	7/1/2021	57	2,746,887	73	979,306	9	148,189
Cadillac/Wexford Trans Auth	8305	2	10/1/2021	16	666,396	15	169,109	0	0
Calhoun Co	1311	8	1/1/2021	567	29,561,464	313	5,812,986	97	1,114,327
Calhoun Co Conso Dispatch Auth	1316	3	1/1/2021	9	571,197	10	331,201	3	46,811
Canton Pub Lib	8232	1	1/1/2021	13	883,416	12	349,339	2	21,265
Canton, Chtr Twp of	8233	18	1/1/2021	370	29,291,901	162	8,107,432	28	357,807
Capac, Vlg of	7705	4	7/1/2021	1	63,519	19	219,695	4	21,763
Capital Area Dist Lib	3317	4	1/1/2021	61	3,493,004	28	420,229	11	90,862
Capital Region Arprt Auth	3305	12	7/1/2021	41	2,361,352	41	1,094,724	23	310,430
Carleton, Vlg of	5805	1	3/1/2021	7	255,941	5	63,070	2	11,092
Carrollton Twp	7320	2	4/1/2021	20	824,267	9	167,363	4	55,708
Cascade Chtr Twp	4110	1	1/1/2021	25	1,570,546	26	515,503	5	51,283
Caseville, City of	3207	2	3/1/2021	11	567,810	8	157,560	1	6,520
Caspian, City of	3608	1	7/1/2021	2	115,133	7	91,787	2	7,953
Cass Co	1402	10	10/1/2021	154	8,166,731	103	1,683,615	27	199,910
Cass Co MCF	1403	2	10/1/2021	87	4,400,772	47	412,915	4	29,064
Cass Dist Lib	1404	1	1/1/2021	11	407,648	7	43,449	4	17,413
Cedar Springs, City of	4105	4	7/1/2021	8	407,144	16	245,482	10	98,928
Center Line, City of	5001	7	7/1/2021	12	550,663	43	717,903	5	41,478
Central Lake, Vlg of	0504	1	3/1/2021	5	192,380	0	0	1	2,407
Central Mich Dist Hlth Dept	3705	5	10/1/2021	27	1,285,440	111	1,653,225	37	320,363
Charlevoix Co	1503	8	1/1/2021	272	12,162,954	234	3,293,409	66	616,965
Charlevoix CRC	1501	3	1/1/2021	36	1,634,492	39	529,890	7	56,027
Charlevoix, City of	1505	4	4/1/2021	52	3,073,827	42	994,639	7	79,884
Charlotte Dist Lib	2309	4	7/1/2021	5	163,404	5	61,950	1	2,057
Charlotte, City of	2301	10	7/1/2021	48	2,772,764	74	1,722,089	11	81,132
Cheboygan Co	1603	6	1/1/2021	140	6,385,340	108	1,723,298	18	239,941
Cheboygan CRC	1601	3	1/1/2021	28	1,323,165	61	1,384,251	5	93,390
Cheboygan, City of	1602	6	7/1/2021	29	1,417,888	37	740,556	6	27,669
Chelsea Area Fire Auth	8118	1	3/1/2021	11	676,755	1	16,621	4	33,832
Chelsea, City of	8103	3	7/1/2021	2	199,692	38	1,074,596	5	86,927
Chesaning, Vlg of	7313	6	3/1/2021	13	596,645	14	256,793	5	24,350
Chesterfield Twp	5009	7	1/1/2021	148	9,197,895	85	2,168,023	17	203,518
Chesterfield Twp Lib	5010	1	1/1/2021	6	347,664	3	75,267	4	46,393
Chikaming Twp	1112	2	4/1/2021	23	1,016,267	9	168,820	0	0
Chippewa Co	1703	14	1/1/2021	159	7,894,697	184	3,124,146	28	153,280
Chippewa Co - Emplmt & Trng CLD	1710	1		0	0	13	144,387	1	17,977
Chippewa CRC	1704	2	1/1/2021	65	3,671,723	91	1,484,148	3	32,027
Chippewa River Dist Lib	3707	4	1/1/2021	14	762,833	8	186,350	6	75,117
Chocolay, Chtr Twp of	5218	1	1/1/2021	13	692,874	8	112,916	4	23,397
Clare Co	1802	6	1/1/2021	143	5,722,680	92	1,299,036	41	408,720
Clare Co Trans Auth	1806	1	10/1/2021	3	168,125	1	8,895	1	1,368
Clare CRC	1801	5	7/1/2021	34	1,740,993	46	941,247	5	42,027
Clare, City of	1804	2	7/1/2021	27	1,356,101	25	525,868	8	101,317
Clawson, City of	6305	3	7/1/2021	8	605,344	61	2,071,510	4	59,513
Clay Twp	7706	9	7/1/2021	36	2,099,978	30	580,237	4	82,272
Clearwater Twp	4005	1	4/1/2021	1	38,289	1	12,217	0	0
Clinton Co	1903	7	1/1/2021	95	5,597,272	184	3,465,400	34	437,325
Clinton CRC	1901	6	1/1/2021	42	2,447,098	55	1,451,433	6	106,992
Clinton Twp	5002	27	4/1/2021	154	9,466,347	205	5,508,456	15	229,477
Clinton, Vlg of	4602	4	4/1/2021	16	1,011,402	17	356,990	1	13,342
Clinton-Eaton-Ingham CMH	3308	8	10/1/2021	833	43,117,027	524	11,353,667	144	1,559,341
Clio, City of	2523	1	7/1/2021	15	591,319	8	106,010	8	32,166
CMH for Central Mich	3708	1	10/1/2021	363	20,285,089	260	4,583,079	115	1,174,718
Coldwater Brd of Pub Util	1203	3	7/1/2021	10	771,223	36	988,083	5	43,780
Coldwater, City of	1201	6	7/1/2021	11	796,279	57	1,295,697	6	49,192
Coleman, City of	5603	2	7/1/2021	6	323,484	8	228,219	0	0
Coloma Chtr Twp	1107	4	4/1/2021	14	797,965	4	128,416	2	60,310
Coloma, City of	1118	1	4/1/2021	6	261,631	2	34,924	0	0
Columbiaville, Vlg of	4406	1	3/1/2021	4	193,169	4	26,838	0	0
Constantine, Vlg of	7806	1	4/1/2021	2	117,461	0	0	2	14,166
Coopersville Area Dist Lib	7011	3	7/1/2021	1	47,594	3	30,746	1	2,501
Coopersville, City of	7005	1	7/1/2021	17	897,069	18	232,507	4	51,428
Corunna City of	7604	6	7/1/2021	12	658,062	16	380,499	3	15,206
Corwith Twp	6904	1	4/1/2021	7	91,250	0	0	3	4,336
Covert Twp	8010	1	7/1/2021	14	801,685	2	64,118	6	66,816

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Appendix A: Participant Information

				Participant Information					
Municipality Name	Number	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
Crawford Co	2001	7	10/1/2021	31	1,534,875	93	1,475,921	17	135,458
Crawford Co Trans Auth	2004	1	10/1/2021	14	625,515	18	339,353	2	31,823
Crawford CRC	2002	3	10/1/2021	29	1,526,994	34	672,882	0	0
Croswell, City of	7401	3	7/1/2021	26	1,629,295	23	609,486	6	80,056
Crystal Falls Cmnty Hosp CLD	3618	2		0	0	79	330,724	27	30,803
Crystal Falls, City of	3603	4	1/1/2021	15	904,219	25	615,784	8	40,086
Ctrl Dispatch of Muskegon Co	6109	4	10/1/2021	31	1,817,583	23	493,817	5	69,567
Ctrl Wayne Co Sanitation Auth	8214	2	7/1/2021	0	0	17	256,792	2	17,232
Davison Richfield Sr CCA	2525	2	7/1/2021	1	47,731	1	28,339	0	0
Davison Twp	2519	2	7/1/2021	41	2,426,040	16	626,039	4	45,068
Davison,City of	2516	7	7/1/2021	17	953,213	21	832,608	4	46,228
Dearborn, City of	8251	3	7/1/2021	197	15,861,963	0	0	0	0
Deerfield, Vlg of	4603	1	3/1/2021	4	188,755	5	135,385	1	19,877
Delta Area Transit Auth	2107	1	10/1/2021	1	61,472	0	0	0	0
Delta Chtr Twp	2306	1	1/1/2021	42	2,723,977	20	819,223	7	115,919
Delta Co	2102	9	10/1/2021	36	1,818,374	118	2,517,649	18	243,488
Delta CRC	2105	6	1/1/2021	37	1,793,272	48	936,692	5	97,228
Delta-Menominee Dist Hlth Dept	2103	4	1/1/2021	36	1,418,717	41	595,219	29	214,207
Detour, Vlg of	1706	1	4/1/2021	8	209,622	5	29,217	1	7,641
Detroit HC	8241	6	7/1/2021	92	5,160,041	43	707,080	50	527,916
DeWitt Chtr Twp	1910	4	1/1/2021	14	1,029,970	9	348,693	3	41,055
DeWitt, City of	1908	6	7/1/2021	16	959,439	18	333,456	14	94,895
Dexter Area Fire Dept	8219	1	1/1/2021	8	605,453	3	48,136	0	0
Dexter Twp	8111	2	4/1/2021	9	222,036	9	55,777	1	876
Dexter, City of	8217	2	7/1/2021	8	584,131	10	196,019	2	18,578
Dickinson Co	2206	10	1/1/2021	68	3,326,198	97	2,183,176	20	263,513
Dickinson CRC	2203	3	1/1/2021	16	925,041	44	772,671	8	71,687
Dickinson-Iron Dist Hlth Dept	3605	4	1/1/2021	17	925,573	55	691,044	9	88,541
Dimondale,Vlg of	2304	2	3/1/2021	1	40,941	6	88,192	1	15,341
Dist Hlth Dept # 2	6501	2	1/1/2021	8	353,101	41	636,448	7	64,963
Dist Hlth Dept # 4	7103	2	1/1/2021	38	1,602,263	64	1,488,969	12	76,315
Dist Hlth Dept #10	5104	2	10/1/2021	141	6,480,535	124	2,401,231	19	103,937
Douglas, City of Vlg of	0303	3	3/1/2021	14	813,602	17	173,937	14	125,018
Dowagiac Dist Lib	1406	2	10/1/2021	3	122,930	2	9,535	0	0
Dowagiac HC	1405	2	10/1/2021	5	221,023	2	19,891	2	4,712
Dowagiac, City of	1401	7	10/1/2021	38	2,138,133	72	1,494,956	18	289,082
Drummond Island Twp	1708	1	4/1/2021	2	71,379	1	2,276	0	0
Dryden, Vlg of	4405	1	4/1/2021	1	41,936	3	35,295	1	18,604
Dundee, Vlg of	5803	2	3/1/2021	8	466,129	14	316,548	3	63,336
Durand, City of	7603	3	7/1/2021	20	914,118	23	433,613	5	65,046
E UP Reg Planning & Dev Comm	1709	1	10/1/2021	5	228,674	0	0	0	0
E UP Trans Auth	1705	3	10/1/2021	21	1,140,365	31	831,500	3	23,182
East China Chtr Twp	7701	1	4/1/2021	15	921,366	19	673,202	3	65,977
East Grand Rapids,City of	4101	5	7/1/2021	4	330,318	46	1,767,481	6	41,047
East Jordan, City of	1504	4	7/1/2021	20	934,361	24	342,612	3	30,639
East Lansing, City of	3301	21	7/1/2021	276	16,564,244	381	13,622,658	96	944,857
Eastpointe HC	5011	1	7/1/2021	6	379,943	2	20,559	0	0
Eastpointe, City of	5019	13	1/1/2021	106	8,232,325	212	6,748,863	15	244,751
Eaton Co	2302	10	10/1/2021	345	17,346,961	319	9,652,442	83	1,259,274
Eaton Co Hlth & Rehab Svcs	2305	4	1/1/2021	188	8,401,022	51	514,830	22	120,206
Eaton Rapids, City of	2307	9	7/1/2021	34	1,904,311	37	1,076,729	17	180,882
Eau Claire, Vlg of	1104	2	3/1/2021	1	50,745	2	38,836	0	0
Ecorse, City of	8206	9	7/1/2021	25	1,584,076	128	3,816,203	12	181,172
Elk Rapids, Vlg of	0506	1	3/1/2021	21	1,107,656	6	145,322	1	3,456
Elkton, Vlg of	3206	2	3/1/2021	1	44,531	7	60,307	1	1,275
Elsie, Vlg of CLD	1906	1		0	0	3	12,278	0	0
Emmet CRC	2401	4	1/1/2021	8	556,837	40	1,049,329	1	1,753
Emmett, Chtr Twp	1310	2	4/1/2021	23	1,372,746	15	222,045	8	109,297
Erie, Twp of	5812	1	7/1/2021	3	160,594	0	0	0	0
Escanaba, City of	2101	12	7/1/2021	29	1,495,551	121	2,747,765	15	149,947
Essexville, City of	0903	6	7/1/2021	12	677,977	23	548,319	8	123,308
Evart Local Dev Finance Auth	6706	2	7/1/2021	1	34,705	2	39,157	0	0
Evart, City of	6705	2	7/1/2021	10	521,296	11	162,684	8	51,869
Farmington Cmnty Lib	6319	2	7/1/2021	5	272,121	30	762,492	3	13,651
Farmington, City of	6343	7	7/1/2021	42	3,024,228	59	1,761,614	9	99,791
Farwell, Vlg of	1805	1	3/1/2021	5	190,560	2	38,274	1	13,832
Fenton, City of	2505	12	7/1/2021	48	3,205,054	47	1,066,870	7	116,921
Ferndale HC	6345	1	1/1/2021	5	278,195	1	17,269	1	49,481
Ferrysburg, City of	7106	1	7/1/2021	6	375,257	11	130,239	1	3,689
Flat Rock, City of	8212	12	7/1/2021	55	3,421,870	64	1,995,153	12	277,730
Flint Pub Lib	2518	1	7/1/2021	20	919,892	4	33,242	8	44,090
Flint, Chtr Twp of	2512	7	1/1/2021	72	4,351,249	51	2,102,757	8	66,947
Flint, City of	2530	19	7/1/2021	443	22,736,587	1,768	50,444,637	108	1,693,441
Flushing, Chtr Twp of	2515	3	4/1/2021	8	445,001	14	430,049	4	15,005
Flushing, City of	2502	7	7/1/2021	13	938,716	40	1,291,842	5	103,952
Forsyth Twp	5212	7	4/1/2021	20	1,059,156	20	525,406	9	74,210
Fowler, Vlg of	1904	2	1/1/2021	3	164,555	1	9,627	1	4,786
Fowlerville Dist Lib	4710	1	7/1/2021	6	255,087	2	51,901	0	0
Fowlerville, Vlg of	4705	2	2/1/2021	2	123,855	12	199,708	3	21,256
Frankenmuth Wickson Dist Lib	7323	2	7/1/2021	0	0	1	20,465	0	0
Frankenmuth, City of	7306	4	7/1/2021	28	1,943,226	25	966,459	1	20,843

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Municipality Name	Number	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
Frankfort, City of	1002	4	7/1/2021	14	809,987	17	223,531	4	27,624
Franklin, Vlg of	6323	4	7/1/2021	11	797,665	13	503,353	2	21,641
Fraser, City of	5003	10	7/1/2021	56	4,347,825	109	3,993,516	27	421,267
Fremont Area Dist Lib	6209	1	7/1/2021	5	192,294	6	70,466	2	25,221
Fremont, City of	6203	4	7/1/2021	27	1,712,443	30	807,603	5	108,354
Gaastra, City of	3617	1	7/1/2021	2	125,388	1	17,159	0	0
Garden City, City of	8255	8	7/1/2021	106	6,371,545	182	6,052,391	6	70,128
Gaylord, City of	6903	7	7/1/2021	32	1,805,397	34	1,016,989	2	12,518
Genesee Chtr Twp	2510	3	1/1/2021	33	1,655,849	48	1,181,688	10	141,642
Genoa Twp	4713	2	4/1/2021	2	234,022	0	0	0	0
Gerald R Ford Intl Arpt Auth	4116	2	1/1/2021	100	7,044,221	15	359,790	9	192,310
Gladstone, City of	2106	5	4/1/2021	7	447,960	41	1,035,639	3	12,417
Gladwin City HC	2608	1	7/1/2021	16	617,599	16	317,680	4	34,121
Gladwin Co	2602	9	1/1/2021	92	4,020,224	97	1,415,149	31	232,311
Gladwin Co Dist Lib	2607	1	1/1/2021	7	206,943	6	70,402	0	0
Gladwin CRC	2601	3	1/1/2021	30	1,448,132	41	1,144,652	4	80,779
Gladwin, City of	2605	2	7/1/2021	8	396,879	4	103,306	1	5,212
Gogebic-Iron WWTR Auth	2703	1	7/1/2021	6	362,662	7	199,482	0	0
Grand Beach, Vlg of	1117	1	11/1/2021	7	357,352	1	8,289	1	7,575
Grand Blanc Chtr Twp	2511	3	1/1/2021	48	3,409,788	22	953,380	2	29,598
Grand Blanc, City of	2513	4	6/1/2021	22	1,702,766	23	992,929	3	40,065
Grand Haven, City of	7010	7	7/1/2021	163	10,471,556	220	7,058,082	53	599,883
Grand Ledge Area Dist. Library	2316	2	7/1/2021	1	77,654	0	0	0	0
Grand Ledge Area ESA	2310	1	7/1/2021	10	640,818	4	47,775	5	26,675
Grand Ledge, City of	2312	3	7/1/2021	11	579,004	8	269,003	5	35,340
Grand Rapids HC	4108	1	7/1/2021	1	113,665	5	144,366	0	0
Grand Traverse Co	2803	23	1/1/2021	48	2,710,124	301	7,337,308	34	395,009
Grand Traverse CRC	2802	3	1/1/2021	2	98,395	53	900,261	2	16,577
Grand Traverse Pavilions	2809	5	1/1/2021	326	15,398,581	212	1,948,295	136	776,246
Grandville, City of	4102	7	7/1/2021	10	767,625	65	1,649,883	4	31,352
Gratiot Co	2905	4	10/1/2021	29	1,651,753	107	1,916,419	9	127,738
Gratiot CRC	2903	2	1/1/2021	32	1,839,869	53	1,234,154	2	22,205
Grayling, City of	2003	5	7/1/2021	3	182,009	23	359,719	3	39,729
Green Oak Chtr Twp	4708	3	4/1/2021	40	2,515,897	13	320,898	1	20,010
Greenville, City of	5906	1	7/1/2021	17	1,190,184	12	361,867	6	96,344
Grosse Ile Twp	8207	8	4/1/2021	47	3,301,042	49	1,914,860	5	60,434
Grosse Pointe Park, City of	8201	9	7/1/2021	66	4,719,411	95	3,402,608	10	216,245
Grosse Pointe-Clinton Ref CLD	5004	2		0	0	15	209,148	0	0
Groveland Twp	6335	3	4/1/2021	11	483,778	9	135,415	2	21,556
Hackley Pub Lib	6114	1	7/1/2021	10	430,612	0	0	1	12,434
Hamburg Twp	4709	2	7/1/2021	16	1,405,208	7	240,054	6	115,479
Hamtramck HC	8250	2	1/1/2021	10	836,392	4	71,716	1	5,367
Hamtramck, City of	8205	18	7/1/2021	87	4,753,306	223	8,253,779	25	324,663
Hancock, City of	3107	2	7/1/2021	15	784,244	9	279,220	1	4,256
Harbor Beach, City of	3201	5	4/1/2021	20	1,128,815	20	501,507	2	16,382
Harbor Springs Area Swg Auth	2406	1	1/1/2021	7	369,535	4	65,271	0	0
Harbor Springs, City of	2405	1	1/1/2021	26	1,597,923	15	399,900	1	15,540
Harper Woods, City of	8260	11	1/1/2021	60	3,530,179	120	4,260,625	12	290,561
Harrison Dist Lib	1807	1	1/1/2021	0	0	2	23,545	0	0
Harrison, City of	1803	1	1/1/2021	8	378,979	12	243,906	2	27,027
Hartland Deerfield Fire Auth	4716	1	4/1/2021	3	202,709	0	0	1	19,182
Hastings, City of	0801	11	7/1/2021	55	2,288,966	78	1,365,831	26	194,457
Hazel Park, City of	6336	21	7/1/2021	101	6,020,699	173	5,408,523	15	172,971
Helen Newberry Joy Hosp	4805	1	1/1/2021	10	473,827	91	1,547,793	11	126,363
Henika Dist Lib	0310	1	1/1/2021	3	105,823	2	38,122	0	0
Herrick Dist Lib	7012	3	7/1/2021	21	1,175,192	50	606,580	6	36,803
Hesperia, Vlg of	6214	1	4/1/2021	3	132,123	0	0	2	7,293
Hiawatha Bhvrl Hlth	1707	6	10/1/2021	10	584,096	85	1,286,171	27	269,502
Hillsdale Co	3005	1	1/1/2021	35	1,736,794	22	491,356	8	121,747
Hillsdale CRC	3004	2	1/1/2021	44	2,210,911	43	760,924	4	58,683
Hillsdale HC	3007	1	7/1/2021	3	126,337	3	18,780	0	0
Hillsdale, City of	3001	8	7/1/2021	58	3,500,819	75	1,607,748	10	160,011
Hlth Source of Saginaw	7311	8	1/1/2021	87	5,009,084	300	3,154,526	96	538,005
Holland Area Cmnty Pool Auth	7014	2	7/1/2021	7	420,895	8	50,562	1	5,917
Holland Cmnty Hosp CLD	7006	1		0	0	47	171,017	1	2,295
Holland, City of	7001	7	7/1/2021	146	11,549,838	353	9,227,661	52	806,274
Holly, Vlg of	6317	6	7/1/2021	23	1,406,517	35	987,852	8	74,970
Homer, Vlg of	1304	1	1/1/2021	7	297,254	11	102,795	13	43,924
Houghton Co	3102	10	1/1/2021	67	3,401,959	115	2,054,167	12	242,955
Houghton CRC	3103	1	1/1/2021	7	467,456	8	300,363	1	42,154
Houghton Lake Pub Lib	7203	2	7/1/2021	7	260,101	3	52,871	0	0
Houghton, City of	3109	1	7/1/2021	28	1,704,076	6	166,239	2	38,860
Howard City, Vlg of	5902	2	3/1/2021	1	37,069	4	43,157	5	27,714
Howard Twp	1106	1	4/1/2021	2	62,110	1	4,992	1	2,885
Howell Area Fire Auth	4714	2	7/1/2021	7	434,956	2	70,239	0	0
Howell, City of	4702	8	7/1/2021	53	3,554,523	71	1,664,801	18	269,966
Howell-Carnegie Dist Lib	4707	1	7/1/2021	12	582,971	5	86,637	1	5,426
Hudsonville, City of	7004	4	7/1/2021	0	0	12	201,582	8	68,015
Huntington Woods, City of	6303	6	7/1/2021	19	1,713,551	53	1,971,160	2	31,589
Hurley Med Ctr	2521	14	7/1/2021	2,066	122,409,888	2,017	44,095,974	247	4,306,026
Huron Behavioral Health	3215	2	10/1/2021	63	3,339,167	45	947,380	22	309,698

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Huron Chtr Twp	8224	7	1/1/2021	46	2,976,647	30	1,183,612	19	294,196
Huron Co	3204	5	1/1/2021	296	13,181,598	285	5,444,067	37	337,983
Huron CRC	3202	4	1/1/2021	58	3,132,953	57	1,671,042	4	78,898
Imlay City, City of	4404	8	7/1/2021	22	1,368,613	29	540,328	6	27,909
Independence Twp	6328	1	1/1/2021	30	2,532,044	17	723,735	5	97,834
Indianfields Twp CLD	7905	1		0	0	11	19,177	6	6,561
Ingham Co	3303	64	1/1/2021	1,283	73,854,527	1,450	31,280,748	296	3,422,317
Interurban Trans Auth	0308	1	10/1/2021	6	276,246	4	104,615	0	0
Ionia Cmnty Lib	3412	1	7/1/2021	5	217,155	4	48,470	1	14,357
Ionia Co	3408	8	1/1/2021	88	4,589,933	77	1,781,129	22	258,913
Ionia HC	3406	1	10/1/2021	4	179,867	2	68,070	0	0
Ionia, City of	3403	11	7/1/2021	45	3,160,260	53	1,245,434	9	78,479
Iosco Co	3501	9	1/1/2021	109	4,468,796	166	1,831,478	44	260,650
Iosco CRC	3502	2	1/1/2021	15	859,474	38	850,000	2	37,167
Iron Co	3606	12	1/1/2021	268	10,821,969	211	2,391,714	49	374,831
Iron Co HC	3611	1	10/1/2021	4	262,457	3	7,364	3	6,740
Iron CRC	3602	5	1/1/2021	22	1,248,520	44	970,022	2	39,313
Iron Mountain, City of	2201	6	7/1/2021	20	1,077,707	47	1,040,189	4	36,927
Iron Mountain-Kingsford Swg	2205	2	7/1/2021	5	286,361	1	28,102	1	8,881
Iron River, City of	3601	3	7/1/2021	12	562,555	36	706,536	4	75,389
Ironwood, City of	2706	11	7/1/2021	39	2,080,062	79	1,412,273	4	47,398
Isabella Co	3703	9	10/1/2021	83	4,130,145	233	3,981,197	61	708,972
Isabella Co Trans Comm	3709	1	10/1/2021	14	678,190	6	149,913	0	0
Isabella CRC	3702	3	10/1/2021	34	1,781,067	43	817,620	9	84,347
Ishpeming Area Joint Wwtr Trtm	5207	2	1/1/2021	6	353,046	5	98,991	0	0
Ishpeming Twp	5216	1	4/1/2021	11	322,054	9	110,407	1	4,504
Ishpeming, City of	5204	4	1/1/2021	28	1,492,241	42	1,154,427	4	44,465
Ithaca, City of	2904	6	7/1/2021	2	117,518	17	401,505	5	41,907
Jackson Dist Lib	3802	2	1/1/2021	50	2,422,862	43	473,105	6	45,929
Jackson Trans Auth	3805	2	10/1/2021	43	1,909,150	27	445,575	9	139,923
Jordan Valley Dist Lib	1507	1	7/1/2021	1	76,145	1	6,951	0	0
Jordan Valley EMS Auth	1509	2	4/1/2021	3	192,342	1	8,758	1	4,746
Kalamazoo Lake Swr & Wtr Auth	0306	2	3/1/2021	8	426,450	7	111,320	7	45,466
Kalamazoo Pub Lib	3903	2	7/1/2021	70	3,989,912	15	265,518	14	118,719
Kalamazoo, Chtr Twp of	3907	1	1/1/2021	30	1,972,451	19	818,235	2	41,484
Kalkaska Co	4003	6	1/1/2021	97	3,521,872	87	1,428,594	34	228,188
Kalkaska CRC	4002	4	1/1/2021	5	288,681	45	824,155	14	163,129
Kalkaska Pub Trans Auth	4004	1	10/1/2021	9	333,603	11	148,422	3	7,047
Kalkaska, Vlg of	4001	6	3/1/2021	11	505,570	17	436,536	6	34,235
Keego Harbor, City of	6322	3	7/1/2021	5	311,043	19	341,785	1	7,205
Kent CRC	4111	1	10/1/2021	0	0	3	28,722	0	0
Keweenaw Co	4202	4	1/1/2021	18	893,072	11	177,113	5	33,604
Keweenaw CRC	4201	3	1/1/2021	15	789,859	21	484,208	1	10,560
Kinde, Vlg of	3209	1	2/1/2021	1	41,142	1	17,907	0	0
Kingsford, City of	2202	5	7/1/2021	19	1,010,354	23	540,520	1	725
L.M.A.S. Dist Hlth Dept	4803	2	10/1/2021	27	1,356,006	138	700,453	89	339,697
Lac Vieux Desert Band	8402	1	1/1/2021	3	168,441	2	21,398	6	42,700
Laingsburg, City of	7608	1	7/1/2021	4	170,803	2	24,490	1	8,022
Lake Co	4301	6	1/1/2021	87	4,362,944	83	1,099,072	42	336,153
Lake CRC	4302	2	1/1/2021	31	1,456,663	44	856,338	5	84,141
Lake Linden, Vlg of	3105	2	3/1/2021	4	177,317	8	99,115	5	20,544
Lake Odessa, Vlg of	3402	1	3/1/2021	2	133,761	2	32,232	0	0
Lake Orion, Vlg of	6318	4	7/1/2021	3	182,199	15	349,483	4	19,644
Lakeland Lib Coop	4106	2	10/1/2021	9	432,447	4	52,113	2	12,124
Lakeshore Coordinating Council CLD	7007	1		0	0	9	93,163	11	43,162
Lakeview Cemetery	2407	1	1/1/2021	2	75,847	0	0	0	0
L'Anse, Vlg of	0705	2	7/1/2021	19	1,003,608	22	496,813	2	12,384
Lansing Chtr Twp	3320	4	1/1/2021	45	2,616,297	14	450,908	9	85,228
Lansing HC	3311	3	7/1/2021	24	1,104,246	43	758,168	12	125,975
Lapeer Co	4403	10	1/1/2021	737	31,661,130	409	6,325,514	151	1,462,264
Lapeer CRC	4402	9	10/1/2021	48	2,746,527	54	1,143,015	5	38,118
Lapeer Dist Lib	4410	1	1/1/2021	21	701,705	21	362,902	2	29,380
Lapeer, City of	4401	7	7/1/2021	70	4,459,282	67	1,587,985	21	174,183
Lathrup Vlg, City of	6311	5	7/1/2021	5	457,801	21	623,052	1	5,791
Laurium, Vlg of	3104	4	3/1/2021	12	444,520	14	154,935	2	6,309
Lawrence, Vlg of	8004	2	3/1/2021	0	0	6	13,086	3	1,663
Leelanau Co	4501	5	1/1/2021	117	6,006,353	90	1,579,660	18	200,125
Leelanau CRC	4503	1	1/1/2021	13	641,803	35	553,821	8	71,736
Leoni Twp	3804	4	7/1/2021	6	245,720	26	414,111	22	328,014
Leslie Twp	3319	2	7/1/2021	3	107,625	2	6,301	0	0
Leslie, City of	3313	4	7/1/2021	11	542,247	7	125,527	5	40,642
Lexington, Vlg of	7708	2	7/1/2021	5	239,178	9	171,324	2	34,138
Lima Twp	8112	1	4/1/2021	6	111,831	4	30,650	0	0
Lincoln Park, City of	8244	3	7/1/2021	63	2,969,964	138	3,426,146	9	170,630
Litchfield, City of	3006	2	7/1/2021	9	426,032	6	112,517	2	19,067
Livingston Co	4703	15	1/1/2021	516	29,917,156	412	7,942,490	143	1,468,794
Livingston Co CMH Auth	4712	1	10/1/2021	66	3,900,243	71	1,237,821	47	544,206
Livingston CRC	4701	4	1/1/2021	65	4,102,062	64	1,519,260	7	69,057
Looking Glass Rgnl Fire CLD	2311	1		0	0	1	8,061	2	8,055
Loutit Dist Lib	7013	1	7/1/2021	15	609,622	10	154,494	1	5,424
Lowell, City of	4104	4	7/1/2021	33	2,380,001	38	957,440	8	162,718

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Municipality Name	Number	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
Luce Co	4804	8	1/1/2021	24	913,256	44	516,357	11	60,446
Luce Co Amb Svs	4806	1	1/1/2021	5	232,573	0	0	1	7,260
Luce CRC	4801	8	1/1/2021	19	911,082	33	842,153	3	58,110
Ludington, City of	5302	2	1/1/2021	49	2,242,349	69	1,411,296	6	65,526
Luna Pier, City of	5802	3	7/1/2021	2	97,245	13	395,956	5	30,905
Lyons, Vlg of	3411	1	3/1/2021	0	0	2	18,824	0	0
Mackinac Co	4901	4	1/1/2021	18	848,221	67	1,206,088	10	112,880
Mackinac Co HC	4905	1	7/1/2021	1	25,150	2	31,829	0	0
Mackinac CRC	4903	3	1/1/2021	9	461,325	32	650,946	0	0
Mackinac Straits Hlth Sys	4902	2	7/1/2021	260	14,592,325	118	1,657,310	40	359,894
Mackinaw City, Vlg of	1606	1	3/1/2021	7	411,110	1	27,778	1	15,066
Madison Heights, City of	6308	6	7/1/2021	32	1,956,330	139	3,113,661	21	329,022
Madison, Chtr Twp of	4605	1	1/1/2021	17	1,036,742	6	82,563	0	0
Manistee Co	5101	12	10/1/2021	209	9,250,671	235	3,564,156	72	490,206
Manistee CRC	5103	6	10/1/2021	31	1,356,123	44	908,116	4	82,648
Manistee HC	5107	1	1/1/2021	7	283,515	4	29,267	1	13,036
Manistee, City of	5105	10	7/1/2021	52	3,112,115	57	1,320,956	6	114,922
Manistique, City of	7504	3	7/1/2021	25	1,509,566	35	984,663	2	16,700
Manlius Twp	0311	1	4/1/2021	4	73,810	3	41,313	0	0
Manton, City of	8304	2	12/1/2021	5	191,524	11	174,399	3	22,254
Marenisco Twp	2704	2	4/1/2021	3	153,669	2	26,435	0	0
Marine City, City of CLD	7704	2		0	0	2	2,705	0	0
Marion, Vlg of	6704	2	3/1/2021	4	158,921	5	32,710	1	607
Marlette, City of	7405	2	7/1/2021	10	490,064	4	120,427	2	15,658
Marquette Brd of Light & Power	5209	7	10/1/2021	27	2,453,014	102	3,215,573	1	19,591
Marquette Chtr Twp	5215	2	1/1/2021	22	1,301,048	7	115,507	1	11,900
Marquette Co	5202	15	1/1/2021	284	11,059,191	349	7,528,738	45	431,061
Marquette Co Solid Waste Mgmt	5213	4	7/1/2021	18	1,105,533	6	105,883	2	61,876
Marquette Co Trans Auth	5206	2	10/1/2021	26	1,066,113	24	275,856	2	17,808
Marquette CRC	5211	8	1/1/2021	54	3,161,983	78	1,987,922	17	150,209
Marquette, City of	5201	15	10/1/2021	122	6,606,437	145	4,058,338	16	216,544
Marshall Area Firefighters Amb	1313	1	7/1/2021	11	696,081	0	0	3	20,240
Marshall Dist Lib	1309	1	7/1/2021	0	0	1	43,318	0	0
Marshall, City of	1306	5	7/1/2021	45	2,978,869	99	2,555,269	15	236,955
Mason Co	5301	6	1/1/2021	115	5,691,053	216	3,752,685	35	366,192
Mason Co Dist Lib	5303	1	1/1/2021	9	288,046	13	160,344	1	4,721
Mason CRC	5305	4	1/1/2021	37	1,808,066	32	545,787	3	18,574
Mason, City of	3304	8	7/1/2021	44	2,335,931	38	1,140,824	19	261,270
Mason-Oceana 911	6403	2	1/1/2021	14	717,948	6	89,437	3	64,713
MBS Intl Arpt	0902	6	1/1/2021	25	1,342,007	22	739,352	4	61,314
Meceola Central Dispatch	5405	1	1/1/2021	15	723,216	12	167,725	7	82,445
Mecosta Co	5403	8	1/1/2021	34	1,811,946	125	2,314,496	31	279,051
Mecosta Co General Hosp CLD	5404	2		0	0	120	646,817	50	164,889
Mecosta CRC	5401	3	1/1/2021	36	1,704,126	61	823,271	6	60,551
Melvindale HC	8220	3	1/1/2021	7	329,133	6	108,664	3	26,991
Melvindale, City of	8215	6	1/1/2021	10	772,598	98	3,471,600	4	143,207
Menominee Co	5502	10	10/1/2021	56	3,167,039	103	1,594,923	12	102,276
Menominee CRC	5503	4	1/1/2021	4	278,617	14	364,161	1	30,001
Menominee, City of	5501	4	9/1/2021	32	1,478,728	58	698,907	9	130,317
Meridian Chtr Twp	3315	11	1/1/2021	112	6,445,381	101	3,759,433	29	429,501
MERS	2308	2	1/1/2021	130	11,669,868	48	1,067,916	41	669,947
Metamora Twp	4409	1	4/1/2021	5	286,133	4	55,540	1	17,642
Metro Police Auth of Genesee Co	2532	3	1/1/2021	24	1,705,160	16	452,945	3	35,077
Mich Muni Risk Mgmt Auth	8237	1	7/1/2021	1	273,122	0	0	0	0
Mich S Central Power Agcy	3002	3	7/1/2021	0	0	40	1,035,560	25	620,515
Middleville, Vlg of	0803	6	1/1/2021	9	460,072	11	149,819	3	12,265
Midland Co Central Disp Auth	5604	3	1/1/2021	18	1,051,759	7	122,989	3	86,591
Midland CRC	5602	5	1/1/2021	40	2,203,481	61	1,531,848	0	0
Midland, City of	5601	8	7/1/2021	147	9,059,349	349	11,542,406	20	380,254
Mid-Mich Dist Hlth Dept	5901	5	10/1/2021	70	3,176,405	61	613,969	36	304,311
Mid-Mich Lib League	8306	1	10/1/2021	1	71,888	4	63,416	2	15,222
Mid-Peninsula Lib Coop CLD	3609	1		0	0	3	22,516	0	0
Milan Lib	5806	2	7/1/2021	2	100,166	2	31,059	1	707
Milan, City of	5801	8	7/1/2021	5	387,404	45	1,068,537	9	187,637
Milford, Vlg of	6313	7	7/1/2021	21	1,740,023	25	867,298	9	82,358
Millington, Vlg of	7904	2	3/1/2021	6	266,686	7	121,872	0	0
Missaukee Co	5702	4	10/1/2021	30	1,588,528	19	439,158	9	107,249
MOA Solid Waste Mgmt Auth	6002	1	1/1/2021	6	233,370	2	47,162	1	12,755
Monroe HC	5808	1	10/1/2021	11	550,826	6	176,938	2	16,160
Montague, City of	6112	5	7/1/2021	15	1,064,922	18	419,350	2	15,466
Montcalm Care Network	5909	1	10/1/2021	79	0	24	294,388	16	226,575
Montcalm Co	5907	7	10/1/2021	66	3,803,381	104	1,887,825	14	193,673
Montcalm CRC	5905	5	10/1/2021	50	2,669,814	52	1,235,007	4	61,874
Montmorency Co	6001	5	1/1/2021	49	2,011,905	74	855,707	16	97,588
Montrose, City of	2509	2	7/1/2021	4	174,506	7	74,823	6	19,217
Mt. Morris Chtr Twp	2503	7	4/1/2021	43	2,313,316	69	2,594,232	6	45,643
Mt. Pleasant, City of	3701	5	1/1/2021	88	4,445,917	104	2,147,058	13	123,274
Muir, Vlg of	3405	1	7/1/2021	0	0	2	23,099	2	16,227
Mundy, Chtr Twp of	2517	1	1/1/2021	11	507,678	6	121,374	3	39,766
Munising, City of	0202	3	7/1/2021	19	951,644	31	565,593	3	18,383
Muskegon Area Dist Lib	6117	2	1/1/2021	24	1,207,751	8	123,303	0	0

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Muskegon Chtr Twp	6108	4	1/1/2021	23	1,414,699	49	1,448,422	4	66,376
Muskegon Co	6103	17	10/1/2021	389	23,217,125	1,141	20,107,162	176	2,488,819
Muskegon CRC	6101	11	1/1/2021	76	3,809,505	96	1,757,553	16	136,834
Muskegon HC	6113	1	10/1/2021	6	268,029	3	52,730	1	14,690
Muskegon Heights HC	6115	1	4/1/2021	7	375,552	5	54,246	1	673
Muskegon Heights, City of	6102	7	7/1/2021	57	3,108,860	105	2,624,563	16	161,874
Muskegon, City of	6116	9	7/1/2021	85	6,110,950	326	8,549,851	35	666,473
N Houghton Co Wtr&Swg Auth	3106	2	1/1/2021	4	206,934	1	24,933	1	4,337
N Muskegon, City of	6104	4	12/1/2021	6	390,873	22	474,718	4	29,100
Nashville, Vlg of	0807	1	3/1/2021	7	285,633	2	17,259	1	1,242
Negaunee Twp	5217	1	4/1/2021	7	331,642	3	38,038	1	732
Negaunee, City of	5203	2	1/1/2021	25	1,279,995	44	1,003,358	7	95,549
Network180	4109	1	10/1/2021	41	3,018,578	72	2,181,104	37	592,858
New Baltimore, City of	5016	8	7/1/2021	57	3,428,589	46	970,984	10	112,558
New Buffalo Twp	1121	1	7/1/2021	11	512,160	1	5,620	0	0
New Buffalo, City of	1113	1	7/1/2021	22	1,108,120	7	111,167	9	30,386
Newaygo CMH	6207	1	10/1/2021	0	0	8	303,972	1	4,601
Newaygo Co	6201	8	10/1/2021	12	616,318	118	2,255,012	15	206,745
Newaygo CRC	6212	8	10/1/2021	43	2,137,919	49	727,128	2	18,246
Newaygo MCF	6204	4	1/1/2021	54	2,471,140	93	918,212	18	130,620
Newaygo Soil & Wtr Cnsrvn Dist	6205	1	9/1/2021	4	173,009	3	14,986	0	0
Newberry, Vlg of	4802	7	1/1/2021	14	632,544	32	415,195	4	16,098
Niles Dist Lib	1105	2	10/1/2021	12	394,292	8	76,131	2	17,322
Niles, City of	1115	4	10/1/2021	104	5,848,874	139	2,846,054	5	67,237
Northern Lakes CMH Auth	2808	3	1/1/2021	10	551,795	120	2,350,497	6	73,680
Northfield Twp	8117	1	7/1/2021	11	695,506	0	0	5	80,020
Northpointe Bhvrl Hlth Sys	2207	4	10/1/2021	33	1,785,496	59	938,348	40	347,136
Northville Chtr Twp	8230	5	1/1/2021	104	8,921,421	43	2,251,556	8	159,356
Northville Dist Lib	8229	1	12/1/2021	13	765,722	15	283,189	2	20,082
Northville, City of	8208	9	7/1/2021	5	446,148	65	1,757,520	9	88,480
Norton Shores, City of	6106	12	7/1/2021	76	5,622,405	117	3,094,551	9	161,673
Norway, City of	2204	4	7/1/2021	19	1,271,246	42	1,361,706	0	0
Nottawaseppi Huron Band	8403	2	1/1/2021	20	1,138,633	2	9,737	1	1,993
Novi, City of	6320	10	7/1/2021	133	10,574,181	209	6,625,253	46	733,345
NW Mich Cmnty Hlth Agcy	1502	1	1/1/2021	4	286,845	40	545,536	2	8,146
NW Rgnl Arpt Comm	2805	1	1/1/2021	11	886,367	19	463,812	5	44,485
Oceana Co	6402	7	1/1/2021	120	6,082,753	184	2,595,788	38	417,869
Oceola Twp	4717	1	7/1/2021	12	441,973	5	53,329	1	8,615
Ogemaw Co	6502	4	1/1/2021	33	1,583,115	113	1,920,224	11	62,914
Ogemaw Co Emerg Disp Auth	6510	1	10/1/2021	5	229,176	0	0	1	17,732
Ogemaw Co EMS Auth	6508	2	10/1/2021	24	1,325,185	9	157,180	2	34,086
Ogemaw CRC	6503	3	10/1/2021	29	1,361,217	36	858,916	2	5,217
Olive Twp	7009	1	4/1/2021	2	51,996	4	27,873	0	0
Onaway, City of	7105	2	4/1/2021	3	133,068	3	42,525	5	37,784
Ontonagon Co	6602	7	1/1/2021	46	1,767,698	46	587,080	12	89,396
Ontonagon Co Economic Dev Corp	6605	1	1/1/2021	0	0	1	10,371	0	0
Ontonagon CRC	6604	2	1/1/2021	38	2,087,680	58	1,716,853	1	15,632
Ontonagon, Vlg of	6603	2	4/1/2021	9	409,082	121	1,288,815	28	203,574
Orchard Lake, City of	6312	5	7/1/2021	2	197,692	15	484,930	1	8,110
Oronoko Chtr Twp	1114	2	1/1/2021	9	541,738	6	131,540	6	27,253
Osceola Co	6701	9	1/1/2021	116	5,084,947	88	966,851	53	456,795
Osceola CRC	6703	3	1/1/2021	26	1,168,949	42	644,369	0	0
Oscoda Chtr Twp	3503	2	1/1/2021	10	605,653	12	283,416	7	40,750
Oscoda Co	6801	6	1/1/2021	64	2,474,591	65	735,871	15	99,238
Oscoda Co Lib	6803	1	1/1/2021	1	42,589	0	0	0	0
Oscoda Wurtsmith Arpt Auth	6802	1	10/1/2021	6	255,199	3	29,948	0	0
Otisville, Vlg of	2506	2	7/1/2021	2	117,242	5	82,828	1	1,545
Otsego Co	6902	20	1/1/2021	108	5,065,928	110	1,393,738	47	455,856
Otsego CRC	6901	4	1/1/2021	31	1,705,930	49	889,758	8	133,386
Ottawa Co	7003	17	10/1/2021	461	30,438,340	635	15,496,859	183	2,469,087
Ottawa Co Central Disp Auth	7008	2	1/1/2021	2	107,560	12	172,776	2	34,804
Ottawa CRC	7002	5	10/1/2021	71	4,799,521	141	4,226,315	13	188,515
Otter Lake, Vlg of	4408	1	3/1/2021	0	0	1	15,560	0	0
Owosso, City of	7607	6	7/1/2021	19	1,347,302	26	751,600	1	15,138
Oxford Fire Department	6327	3	1/1/2021	17	1,426,715	17	323,956	2	29,980
Oxford, Vlg of	6326	3	7/1/2021	8	471,235	6	157,489	6	74,814
Parchment, City of	3901	2	1/1/2021	5	220,380	16	226,201	3	48,908
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	7	10/1/2021	22	1,232,207	265	4,468,986	42	372,751
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	1	4/1/2021	3	219,584	2	89,451	0	0
Paw Paw, Vlg of	8002	5	3/1/2021	27	1,653,278	25	630,420	7	65,165
Pellston, Vlg of	2404	1	1/1/2021	3	98,493	1	17,452	0	0
Pennfield Chtr Twp	1312	1	4/1/2021	11	539,565	9	135,311	2	38,004
Pentwater, Vlg of	6401	2	4/1/2021	9	484,043	15	168,853	3	24,566
Perrinton, Vlg of	2909	1	3/1/2021	1	47,525	0	0	1	5,874
Petersburg, City of	5807	1	7/1/2021	7	272,317	0	0	2	23,134
Petoskey, City of	2402	5	1/1/2021	62	4,253,401	81	1,766,601	8	126,403
Pewamo, Vlg of	3407	1	4/1/2021	2	98,202	0	0	0	0
Pigeon, Vlg of	3203	2	3/1/2021	5	280,574	4	59,613	3	24,254
Pinckney, Vlg of	4706	2	3/1/2021	13	611,505	5	144,857	10	30,251
Pinconning, City of	0904	4	7/1/2021	5	188,654	16	186,368	0	0
Pittsfield Chtr Twp	8110	16	1/1/2021	131	9,117,281	64	1,507,710	33	361,609

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				Participant Information					
Municipality Name	Number	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
Pleasant Ridge, City of	6301	7	7/1/2021	10	651,713	18	420,361	7	74,392
Plymouth Dist Lib	8221	2	1/1/2021	14	934,547	12	346,897	1	3,365
Plymouth, Chtr Twp of	8238	5	1/1/2021	37	3,493,825	37	1,914,214	6	159,449
Plymouth, City of	8202	8	7/1/2021	0	0	55	1,545,580	4	19,955
Pokagon Band of Potawatomi	8401	1	1/1/2021	325	19,269,343	36	419,903	44	483,694
Port Austin Area Swr&Wtr Auth	3210	1	3/1/2021	0	0	2	8,739	0	0
Port Austin, Vlg of	3208	2	3/1/2021	4	151,706	6	51,413	1	840
Port Huron Chtr Twp	7711	1	1/1/2021	16	755,266	10	178,478	5	63,683
Port Huron HC	7712	4	7/1/2021	26	1,119,744	24	594,510	2	18,352
Port Huron, City of	7702	11	7/1/2021	241	14,233,983	388	12,220,017	38	439,632
Port Sanilac, Vlg of	7403	2	7/1/2021	2	80,373	5	91,271	1	7,368
Port Sheldon Twp	7018	1	4/1/2021	7	194,162	3	68,384	0	0
Portland, City of	3401	6	7/1/2021	30	2,090,582	38	871,289	15	156,241
Potterville, City of	2313	1	7/1/2021	10	452,338	3	64,092	5	27,450
Presque Isle Co	7104	6	7/1/2021	67	2,560,129	67	932,841	14	111,297
Presque Isle CRC	7101	4	1/1/2021	28	1,251,261	43	791,401	0	0
PRIDE Youth Programs CLD	6210	1		0	0	2	45,930	0	0
Ravenna, Vlg of	6111	1	1/1/2021	1	64,658	2	55,400	1	5,749
Reading, City of	3003	1	7/1/2021	5	214,154	5	20,449	3	1,507
Redford Twp Dist Lib	8228	1	4/1/2021	6	363,659	9	182,933	3	15,539
Redford, Chtr Twp of	8209	10	4/1/2021	94	4,551,042	179	3,982,812	30	283,770
Reed City, City of	6702	3	7/1/2021	18	871,045	28	421,097	8	48,705
Richfield Twp (Genesee Co)	2514	3	7/1/2021	14	781,898	9	297,177	5	46,709
Richfield Twp (Roscommon Co)	7202	4	4/1/2021	12	453,679	13	178,136	3	32,558
Richland Twp	7310	6	4/1/2021	14	465,109	10	369,625	3	3,865
Richmond, City of	5012	1	7/1/2021	10	544,939	4	115,524	0	0
Rochester, City of	6307	6	7/1/2021	34	2,717,358	55	1,521,347	5	113,387
Rockford, City of	4103	6	7/1/2021	29	1,817,591	32	533,272	13	156,646
Rockwood, City of	5810	3	7/1/2021	12	709,581	8	114,514	5	56,170
Rogers City, City of	7102	3	7/1/2021	19	991,131	27	799,925	8	74,163
Romeo Dist Lib	5006	2	7/1/2021	3	193,369	21	257,532	5	52,738
Romeo, Vlg of	5005	5	7/1/2021	21	1,160,579	24	522,556	3	23,859
Romulus, City of	8225	7	7/1/2021	62	4,327,708	67	3,573,059	12	295,293
Roosevelt Park, City of	6107	3	12/1/2021	5	452,164	20	365,550	9	105,126
Roscommon Co	7201	6	1/1/2021	68	3,473,950	115	1,714,470	37	379,897
Roscommon Co Trans Auth	7205	1	10/1/2021	14	509,760	16	235,022	0	0
Rose City, City of	6504	1	7/1/2021	4	142,565	4	45,393	2	6,228
Rose Twp	6506	1	4/1/2021	5	45,090	3	6,265	0	0
Royal Oak, Chtr Twp of	6306	5	1/1/2021	2	64,324	14	201,627	1	469
Saginaw Chtr Twp	7314	2	4/1/2021	42	2,914,090	31	1,330,446	8	102,823
Saginaw Co	7303	21	10/1/2021	10	513,152	574	13,485,238	37	287,481
Saginaw Co 911 Com Ctr	7316	4	10/1/2021	0	0	34	1,116,014	3	91,218
Saginaw Co CMH	7318	5	10/1/2021	5	264,058	102	1,593,237	16	92,467
Saginaw CRC	7304	8	1/1/2021	70	3,923,276	104	2,366,701	9	131,083
Saginaw HC	7321	4	7/1/2021	9	364,809	14	356,392	4	50,003
Saginaw Trans Sys Auth	7319	1	10/1/2021	26	1,199,254	14	127,373	10	83,172
Saginaw, City of	7301	12	7/1/2021	236	13,463,854	837	29,490,998	19	299,063
Saginaw, Pub Lib of	7317	1	7/1/2021	11	654,657	6	58,023	8	74,200
Saginaw-Midland Muni Wtr Corp	7305	2	7/1/2021	3	184,242	16	434,994	2	91,354
Saline, City of	8105	5	7/1/2021	40	2,893,579	74	1,846,136	10	79,733
Sandusky Dist Lib	7404	1	1/1/2021	1	52,000	1	4,656	0	0
Sandusky, City of	7402	3	3/1/2021	21	1,021,042	16	335,771	3	39,261
Sanilac CRC	7410	1	1/1/2021	51	2,681,738	18	432,724	0	0
Saranac HC	3413	1	4/1/2021	4	171,512	2	36,063	0	0
Saugatuck Twp	0305	2	7/1/2021	3	162,826	5	66,618	2	22,963
Saugatuck Twp Fire Dist	0313	1	7/1/2021	6	303,073	1	31,803	1	8,602
Saugatuck, City of	0307	2	7/1/2021	9	514,779	14	172,565	0	0
Sault Ste. Marie HC	4906	1	4/1/2021	9	442,957	7	177,669	0	0
Sault Ste. Marie Tribe of Chippewa Indians	8404	1	1/1/2021	24	1,197,551	2	4,603	1	1,595
Sault Ste. Marie, City of	1701	8	7/1/2021	79	4,099,468	93	2,181,999	8	74,612
SCCMUA	1905	2	1/1/2021	10	561,984	15	272,374	5	58,907
Schoolcraft Co	7503	17	10/1/2021	130	4,752,298	135	2,384,945	41	241,887
Schoolcraft Co Trans Auth	7506	2	10/1/2021	8	292,749	4	83,718	0	0
Schoolcraft CRC	7501	2	10/1/2021	20	1,088,766	42	1,208,249	4	77,554
Schoolcraft Memorial Hosp	7505	5	1/1/2021	18	939,167	72	1,504,353	21	381,462
Scio Twp	8116	2	4/1/2021	19	1,401,630	5	54,621	1	25,458
Scottville, City of	5308	1	7/1/2021	6	260,692	3	42,444	4	45,589
SE Oakland Co Rsrc Rec Auth	6310	3	7/1/2021	20	1,205,364	30	441,907	4	48,830
SE Oakland Co Wtr Auth	6309	4	7/1/2021	17	1,073,571	25	760,692	1	548
Sebewaing, Vlg of	3205	5	4/1/2021	13	929,984	22	587,087	4	57,403
SEMCOG	8210	2	7/1/2021	61	4,417,295	65	1,951,666	26	288,602
Shepherd, Vlg of	3704	1	3/1/2021	6	291,999	2	13,069	1	7,931
Shiawassee Co	7602	30	1/1/2021	414	17,875,356	393	7,919,494	133	1,213,584
Shiawassee Council on Aging	7605	1	1/1/2021	7	222,311	8	70,848	1	1,344
Shiawassee CRC	7601	6	1/1/2021	38	1,995,503	49	1,437,415	8	215,087
Shiawassee Dist Lib	7606	2	12/1/2021	7	405,815	3	88,266	1	9,313
Shiawassee Hlth & Wellness	7609	4	10/1/2021	129	6,221,025	69	790,120	61	487,139
Sims Whitney Util Auth	0606	2	7/1/2021	2	126,878	3	29,705	0	0
SMART	8216	10	7/1/2021	835	44,836,035	902	16,490,820	152	1,678,042
South Haven Area ESA	8005	4	1/1/2021	15	1,086,064	7	317,430	0	0
South Haven, City of	8001	7	7/1/2021	87	5,572,687	83	1,752,095	17	205,433

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Municipality Name	Number	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
South Lyon, City of	6315	5	7/1/2021	32	2,321,141	31	839,391	9	158,337
Southgate, City of	8262	1	7/1/2021	39	2,245,264	82	2,161,395	4	66,957
Sparta, Vlg of	4107	5	1/1/2021	13	790,111	12	233,393	3	24,685
Spring Lake Dist Lib	7016	3	1/1/2021	8	411,164	3	133,089	1	5,620
Spring Lake, Vlg of	7015	3	7/1/2021	7	312,803	8	295,818	9	144,215
Springfield, City of	1303	4	7/1/2021	14	683,868	44	891,654	16	257,295
St Charles, Vlg of	7308	4	4/1/2021	9	426,100	13	300,425	3	22,321
St Clair HC	7715	1	1/1/2021	0	0	4	79,274	0	0
St Clair Shores HC	5007	1	1/1/2021	8	420,831	12	215,844	0	0
St Clair, City of	7703	9	10/1/2021	20	1,309,847	52	1,621,382	6	70,313
St Ignace, City of	4904	7	1/1/2021	28	1,266,291	36	887,394	5	13,698
St Johns, City of	1902	9	7/1/2021	12	734,094	55	1,378,606	3	27,872
St Joseph Co	7803	5	1/1/2021	171	8,891,603	152	2,817,833	52	433,737
St Joseph Twp	1122	1	1/1/2021	13	749,439	1	69,417	0	0
St Louis HC	2908	1	7/1/2021	3	155,551	1	21,858	0	0
St Louis, City of	2902	4	7/1/2021	4	278,289	29	613,449	4	24,205
Stambaugh Twp	3615	1	4/1/2021	1	47,927	1	5,302	0	0
Standish, City of	0601	1	7/1/2021	1	35,689	11	222,396	1	10,081
Stanton, City of CLD	5903	1		0	0	2	5,670	0	0
Stephenson, City of	5504	2	7/1/2021	3	159,333	2	17,643	0	0
Sterling, Vlg of	0605	1	4/1/2021	2	82,973	1	4,976	0	0
Stockbridge, Vlg of	3316	1	3/1/2021	3	150,002	4	52,155	3	43,922
Sturgis HC	7805	1	10/1/2021	1	35,712	0	0	2	13,236
Summit Twp	3803	4	4/1/2021	37	2,246,257	29	777,578	5	90,589
Sumpter Twp	8226	3	4/1/2021	29	2,029,976	13	382,857	2	57,683
Superior Chtr Twp	8109	2	1/1/2021	29	2,080,582	15	499,841	1	11,112
Superior Dist Lib	1702	1	7/1/2021	13	392,965	7	72,820	0	0
Superiorland Lib Coop	5208	2	10/1/2021	0	0	4	86,330	1	4,390
Suttons Bay Bingham Fire Auth	4506	1	4/1/2021	10	789,306	1	25,734	1	12,356
SW Mich Comm Amb Svcs	1119	1	7/1/2021	19	1,006,323	3	99,860	3	75,517
SW Shiawassee ESA	7611	1	1/1/2021	10	566,315	2	15,826	3	23,627
Swan Creek Twp	7309	1	4/1/2021	6	153,334	9	75,090	0	0
Swartz Creek, City of	2504	2	7/1/2021	2	107,380	15	536,595	0	0
Sylvan Lake, City of	6314	2	7/1/2021	4	269,661	7	197,732	1	7,728
Tawas Police Auth	3504	1	7/1/2021	1	57,717	4	73,734	3	41,686
Taylor HC	8231	1	4/1/2021	3	187,537	3	40,599	0	0
The Lib Network	8218	3	10/1/2021	30	1,325,218	30	399,435	4	37,953
Three Rivers, City of	7801	10	7/1/2021	59	3,174,414	54	1,128,147	27	310,472
Tittabawassee Twp	7322	2	4/1/2021	16	946,431	5	135,295	0	0
Traverse Area Dist Lib	2807	1	1/1/2021	27	1,236,453	34	473,571	4	22,372
Traverse City Light & Power	2811	5	7/1/2021	29	2,412,833	61	2,207,719	7	96,383
Traverse City, City of	2801	5	7/1/2021	97	6,368,689	123	2,707,479	24	226,658
Trenton, City of	8203	2	7/1/2021	10	759,266	122	3,568,876	1	7,652
Tri-County Aging Consortium	3307	3	10/1/2021	99	3,709,456	64	544,160	21	154,978
Trio Council on Aging Inc CLD	6507	1		0	0	3	23,809	1	3,287
Tuscarora Twp	1604	1	7/1/2021	9	562,258	4	88,688	1	18,941
Tuscola Co	7902	17	1/1/2021	113	5,559,777	133	2,126,738	27	367,662
Tuscola Co CMH	7907	1	10/1/2021	113	6,011,636	70	821,638	21	144,618
Tuscola Co Hlth Dpt	7901	2	1/1/2021	19	913,812	39	746,512	0	0
Tuscola Co MCF	7906	2	1/1/2021	315	11,713,225	97	832,917	45	180,193
Tuscola CRC	7908	3	1/1/2021	20	953,429	28	476,150	3	38,864
Twin City Pub Safety Auth CLD	3610	1		0	0	2	6,414	1	2,929
Ubly, Vlg of	3212	1	3/1/2021	2	97,281	2	51,564	2	25,154
Utica, City of	5008	4	7/1/2021	17	1,024,272	14	349,057	0	0
Van Buren Co	8006	10	10/1/2021	263	13,098,151	118	2,253,761	31	385,943
Van Buren Dist Lib	8007	2	1/1/2021	10	413,227	7	118,846	4	19,719
Van Buren Twp	8236	2	1/1/2021	47	3,980,846	14	714,992	8	208,352
Vassar, City of	7903	3	7/1/2021	4	246,335	30	588,330	8	67,256
Vevay Twp	3318	2	4/1/2021	4	142,398	6	56,077	0	0
Vicksburg Dist Lib	3904	1	3/1/2021	0	0	3	14,465	1	716
Vicksburg, Vlg of	3902	2	7/1/2021	7	354,600	11	167,237	14	120,107
Vienna, Chtr Twp of	2522	1	1/1/2021	4	204,373	8	141,078	1	10,093
W Iron Co Swr Auth	3612	3	7/1/2021	3	157,290	3	69,915	1	3,902
W Mich CMH Sys	5304	1	10/1/2021	1	71,172	21	450,798	2	11,842
W Mich Shoreline Rgnl Dev Comm	6110	1	10/1/2021	11	615,443	9	284,501	3	12,557
W UP Dist Hlth Dept	3101	2	1/1/2021	20	788,883	101	1,126,162	37	293,957
Wakefield, City of	2701	1	7/1/2021	14	693,385	20	376,680	2	25,159
Walker, City of	4112	4	7/1/2021	20	1,519,009	62	1,718,388	3	63,672
Walled Lake, City of	6324	7	7/1/2021	22	1,579,697	34	945,328	15	274,150
Washtenaw Co	8113	4	1/1/2021	308	23,610,405	114	5,017,423	36	744,234
Washtenaw CRC	8102	4	10/1/2021	125	7,884,924	140	4,374,702	18	329,545
Wayland, City of	0304	3	7/1/2021	19	1,079,580	26	507,779	9	67,669
Wayne HC	8252	1	1/1/2021	3	152,626	2	58,324	0	0
Wayne, City of	8242	22	7/1/2021	71	4,468,368	205	7,923,784	24	517,681
Webberville, Vlg of	3314	1	4/1/2021	6	305,346	3	28,816	4	24,714
West Branch Dist Lib	6509	1	7/1/2021	3	112,178	1	20,662	0	0
West Branch, City of	6505	6	7/1/2021	17	857,665	21	404,590	1	14,760
Westland,City of	8211	16	7/1/2021	72	4,635,244	309	9,891,588	45	717,341
Westphalia, Vlg of	1907	1	3/1/2021	1	75,693	3	59,109	0	0
Wexford Co	8302	10	1/1/2021	130	5,858,775	113	1,953,798	37	458,781
Wexford CRC	8303	4	1/1/2021	29	1,475,350	52	930,013	10	91,185

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Municipality Name	Number	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
White Cloud Cmnty Lib	6208	2	7/1/2021	4	150,116	1	11,946	1	1,781
White Cloud, City of	6206	2	7/1/2021	8	363,359	9	74,992	2	14,498
White Cloud/Sherman Util	6211	1	7/1/2021	3	150,641	2	24,546	0	0
White Lake Chtr Twp	6325	8	1/1/2021	83	5,554,756	52	1,747,352	12	211,759
White Pigeon, Vlg of	7804	1	4/1/2021	4	206,547	2	14,295	1	5,570
White Pine Dist Lib	5904	2	7/1/2021	1	27,107	5	25,691	0	0
Whitehall, City of	6105	6	7/1/2021	20	1,410,406	24	390,134	3	23,252
Willard Pub Lib	1308	2	7/1/2021	35	1,902,192	8	134,705	5	80,026
Williamston, City of	3310	6	7/1/2021	15	786,614	22	344,218	3	33,614
Wixom, City of	6316	6	7/1/2021	19	1,489,420	62	2,312,881	12	147,476
Wolverine Lake, Vlg of	6329	3	7/1/2021	11	700,360	11	193,370	2	59,686
WUPPDR	3108	2	10/1/2021	6	209,952	4	122,225	1	15,851
Ypsilanti Cmnty Util Auth	8106	6	9/1/2021	112	7,371,527	132	3,772,835	16	255,089
Ypsilanti HC	8115	2	7/1/2021	2	163,961	4	71,418	2	19,509
Ypsilanti, City of	8101	7	7/1/2021	39	2,037,810	52	1,029,953	19	167,332
Ypsilanti, Twp of	8104	3	1/1/2021	77	4,215,276	65	1,309,776	9	139,929
Totals - Active Groups	729	3,022		33,710	1,850,299,634	42,171	947,363,002	8,538	95,234,579
Totals - Closed Groups	16	20		0	0	315	1,749,102	100	279,957
Totals- MERS	745	3,042		33,710	1,850,299,634	42,486	949,112,105	8,638	95,514,536

Appendix B: Accrued Liabilities and Assets

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		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
21st Dist Ct	8243	563,999	49,222	2,681,726	0	3,294,947	1,971,119	59.8%
23rd Jud Dist Ct	8223	1,528,365	481,944	2,407,678	198	4,418,185	2,976,377	67.4%
26th Jud Cir Ct	0403	1,160,885	448,301	2,766,621	0	4,375,807	3,427,132	78.3%
34th Dist Ct	8235	4,671,423	766,086	5,975,150	9,500	11,422,159	6,523,739	57.1%
35th Dist Ct	8234	480,553	42,652	4,693,656	37,602	5,254,463	3,536,294	67.3%
41 B Dist Ct	5014	3,201,882	462,798	7,327,515	24,120	11,016,315	7,572,152	68.7%
Addison Fire Dept	4607	388,022	71,197	0	0	459,219	385,596	84.0%
Adrian, City of	4601	16,167,587	2,221,417	47,044,048	250,148	65,683,200	41,124,330	62.6%
Aitkin Memorial Dist Lib	7407	0	111,919	0	0	111,919	166,729	149.0%
Albion, City of	1301	3,288,599	486,196	11,109,603	2,406	14,886,804	12,850,321	86.3%
Alcona Co	0101	5,373,225	264,263	11,017,847	1,684	16,657,019	10,533,967	63.2%
Alger Co	0203	4,641,059	88,594	10,720,003	4,608	15,454,264	10,027,048	64.9%
Alger CRC	0201	3,384,746	433,946	6,980,401	6,617	10,805,710	6,751,807	62.5%
Algonac, City of	7707	359,669	1,295,705	5,103,360	11,738	6,770,472	5,235,095	77.3%
Allegan Co	0302	15,610,114	3,218,850	51,489,778	97,538	70,416,280	65,416,648	92.9%
Allegan CRC	0301	5,556,396	116,622	19,617,350	79,213	25,369,581	18,247,600	71.9%
Allegan, City of	0309	2,083,689	320,605	4,387,689	0	6,791,983	4,624,625	68.1%
Alma, City of	2901	8,265,253	670,474	16,153,448	83,035	25,172,210	18,709,586	74.3%
Almont, Vlg of	4407	1,239,212	260,423	1,596,873	755	3,097,263	2,305,091	74.4%
Alpena Co	0401	7,835,782	1,434,993	15,608,981	43,346	24,923,102	14,747,424	59.2%
Alpena CRC	0402	3,332,957	69,904	9,933,564	0	13,336,425	9,981,480	74.8%
Alpena HC	0406	1,792,894	0	1,010,566	80	2,803,540	2,656,685	94.8%
Alpena Sr Citizens Ctr	0404	0	0	716,757	0	716,757	89,054	12.4%
Alpha, Vlg of	3614	24,914	14,971	0	0	39,885	76,340	191.4%
Antrim Co	0502	27,457,887	3,807,363	21,579,310	118,197	52,962,757	38,514,408	72.7%
Antrim CRC	0501	6,240,601	1,019,872	8,170,822	0	15,431,295	8,174,890	53.0%
Arenac Co	0603	5,732,585	1,076,263	7,060,569	8,590	13,878,007	10,052,509	72.4%
Arenac CRC	0604	2,117,913	30,245	4,934,224	3,076	7,085,458	2,891,579	40.8%
Armada Twp	5022	87,621	0	0	5,907	93,528	105,886	113.2%
Ash Twp	5804	548,601	61,812	421,447	0	1,031,860	599,034	58.1%
Au Gres, City of	0602	268,311	0	2,015,913	0	2,284,224	1,545,433	67.7%
Auburn, City of	0905	68	134,421	1,729,138	1,764	1,865,391	878,727	47.1%
Bad Axe Area Dist Lib	3214	183,306	0	0	0	183,306	183,773	100.3%
Bad Axe, City of	3211	3,186,537	59,513	5,774,702	1,595	9,022,347	5,306,984	58.8%
Bancroft, Vlg of	7610	0	31,394	66,081	0	97,475	27,133	27.8%
Bangor, City of	8003	48,333	167,609	1,374,429	1,207	1,591,578	2,057,060	129.2%
Baraga Co	0702	4,083,352	261,932	3,454,887	0	7,800,171	5,336,924	68.4%
Baraga Co Memorial Hosp	0703	6,124,598	1,683,390	15,231,721	2,166	23,041,875	17,974,829	78.0%
Baraga CRC	0701	2,475,538	152,607	5,013,294	0	7,641,439	4,402,512	57.6%
Baraga, Vlg of	0704	708,837	306,853	3,267,090	0	4,282,780	1,664,426	38.9%
Baroda Lake Twp Police Dept	1109	545,928	4,521	117,581	0	668,030	473,543	70.9%
Barry Co	0802	39,922,878	6,336,526	39,591,977	238,948	86,090,329	66,959,581	77.8%
Barry Co CMH Auth	0804	5,737,860	983,063	4,542,494	119,094	11,382,511	9,419,014	82.7%
Barry Eaton Dist Hlth Dept	2303	6,303,639	2,599,845	13,149,331	213,585	22,266,400	15,757,248	70.8%
Barton Hills, Vlg of	8107	424,433	300,419	278,996	0	1,003,848	760,799	75.8%
Bates Twp	3616	0	0	298,247	0	298,247	111,081	37.2%
Bath Chtr Twp	1909	4,702,630	253,233	4,361,083	102,060	9,419,006	7,074,642	75.1%
Battle Creek, City of	1302	45,326,932	5,010,734	106,814,212	241,995	157,393,873	87,010,419	55.3%
Bay Area Trans Auth	2810	4,211,680	676,232	3,448,985	108,396	8,445,293	7,913,403	93.7%
Bay City HC	0906	1,160,226	0	8,203,229	0	9,363,455	8,274,667	88.4%
Bay City, City of	0901	9,911,354	1,234,749	64,495,327	3,713	75,645,143	59,933,930	79.2%
Bay Metro Trans Auth	0907	9,605,079	404,583	9,870,356	134	19,880,152	12,360,345	62.2%
Beecher Metro Dist Swg&Wtr	2501	2,289,253	191,207	4,963,123	0	7,443,583	5,094,757	68.4%
Belding, City of	3410	444,495	41,714	2,183,089	0	2,669,298	1,281,970	48.0%
Belleville, City of	8213	2,205,952	330,576	5,992,148	31,641	8,560,317	4,625,214	54.0%
Benton Harbor, City of	1120	2,469,510	786,249	24,128,912	83,710	27,468,381	9,968,036	36.3%
Benzie Co	1003	7,774,085	1,626,778	11,801,034	68,881	21,270,778	13,755,665	64.7%
Benzie Co Comm on Aging CLD	1006	0	317,424	1,010,070	0	1,327,494	699,595	52.7%
Benzie Co MCF (The Maples)	1004	2,959,045	1,055,389	6,154,657	115,591	10,284,682	8,068,629	78.5%
Benzie CRC	1001	1,148,944	515,176	6,322,123	0	7,986,243	3,672,752	46.0%
Benzie Shores Dist Lib	1005	0	0	354,893	0	354,893	339,291	95.6%
Benzie Trans Auth	1007	502,447	79,791	259,696	21,962	863,896	1,050,946	121.7%
Benzie/Leelanau Dist Hlth Dept	4504	590,999	0	702,866	0	1,293,865	910,683	70.4%
Berkley, City of	6304	4,416,764	1,035,658	16,584,707	99,570	22,136,699	11,528,921	52.1%
Berrien Springs, Vlg of	1102	707,792	185,809	1,055,871	0	1,949,472	1,563,048	80.2%
Bessemer, City of	2702	1,753,978	18,177	1,061,898	3,101	2,837,154	1,929,108	68.0%
Beverly Hills, Vlg of	6321	7,227,525	1,513,708	18,522,975	188	27,264,396	21,712,846	79.6%
Big Rapids HC	5406	1,588,841	203,548	1,102,963	0	2,895,352	2,165,321	74.8%
Big Rapids, City of	5402	2,869,472	123,763	12,804,225	0	15,797,460	9,741,056	61.7%
Bingham Farms, Vlg of	6332	209,597	0	224,271	0	433,868	353,232	81.4%
Birch Run, Vlg of	7315	1,190,724	90,639	834,613	4,683	2,120,659	1,883,610	88.8%
Bishop Intl Arpt Auth	2507	7,599,127	1,012,647	4,520,144	22,251	13,154,169	10,098,230	76.8%
Blackman Chtr Twp	3806	9,001,539	294,874	5,997,050	2,965	15,296,428	9,311,194	60.9%
Blissfield, Vlg of	4606	2,108,301	324,056	2,291,927	0	4,724,284	4,079,561	86.4%
Bloomfield Hills, City of	6302	9,398,769	671,163	29,531,524	19,385	39,620,841	30,664,878	77.4%
Blue Water Area Trans Comm	7709	8,239,614	269,076	3,917,129	0	12,425,819	9,512,040	76.6%
Boyne City HC	1508	238,388	169,892	898,963	1,556	1,308,799	942,605	72.0%
Boyne City, City of	1506	2,448,856	245,082	6,411,340	9,854	9,115,132	7,487,800	82.1%
Branch Co	1205	20,956,262	17,979,753	29,771,691	692,263	69,399,969	66,892,557	96.4%
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	4,743,507	1,713,952	9,733,239	48,195	16,238,893	13,493,085	83.1%
Brandon Chtr Twp of	6333	3,856,622	269,285	4,045,688	2,376	8,173,971	6,001,417	73.4%
Breckenridge,Vlg of	2906	500,126	133,879	1,914,445	33,132	2,581,582	952,209	36.9%

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Bridgeport Chtr Twp	7307	3,271,020	1,395,168	5,442,472	16,155	10,124,815	6,528,888	64.5%
Bridgman, City of	1110	859,032	241,885	1,231,063	7,221	2,339,201	1,608,829	68.8%
Brighton Area Fire Auth	4715	0	0	582,713	0	582,713	497,215	85.3%
Brighton, Chtr Twp of	4711	1,040,838	426,956	969,203	6,532	2,443,529	2,407,595	98.5%
Brighton, City of	4704	8,137,282	916,221	16,557,189	18,884	25,629,576	15,817,385	61.7%
Britton, Vlg of	4604	315,850	16,933	0	1,814	334,597	574,395	171.7%
Bronson, City of	1204	1,293,265	265,863	1,065,566	52,959	2,677,653	1,902,634	71.1%
Brooklyn, Vlg of	3801	426,237	11,951	829,989	29,220	1,297,397	828,875	63.9%
Brownstown, Chtr Twp of	8247	21,825,127	514,454	14,088,903	75,189	36,503,673	25,676,436	70.3%
Buchanan Dist Lib	1108	277,187	68,160	32,390	0	377,737	429,188	113.6%
Buchanan, City of	1101	3,443,369	505,636	4,263,770	72,673	8,285,448	8,447,313	102.0%
Buena Vista Chtr Twp	7312	3,705,337	747,085	8,999,722	44,875	13,497,019	8,623,734	63.9%
Burton, City of	2508	7,458,923	1,619,666	46,905,743	128,645	56,112,977	26,820,349	47.8%
Butman Twp CLD	2604	0	0	80,690	0	80,690	100,960	125.1%
Cadillac, City of	8301	6,282,525	1,065,119	9,559,251	0	16,906,895	12,502,677	74.0%
Cadillac/Wexford Trans Auth	8305	998,718	0	1,810,787	0	2,809,505	2,063,785	73.5%
Calhoun Co	1311	55,498,049	6,789,941	58,678,228	969,755	121,935,973	93,236,028	76.5%
Calhoun Co Conso Dispatch Auth	1316	3,190,506	296,662	3,973,596	24,956	7,485,720	6,567,515	87.7%
Canton Pub Lib	8232	1,658,869	82,381	3,316,276	35,421	5,092,947	4,760,138	93.5%
Canton, Chtr Twp of	8233	53,987,263	1,951,263	91,838,881	96,736	147,874,143	99,576,181	67.3%
Capac, Vlg of	7705	82,232	110,645	2,427,986	11,206	2,632,069	832,153	31.6%
Capital Area Dist Lib	3317	7,680,509	477,569	4,606,044	99,810	12,863,932	10,432,789	81.1%
Capital Region Arprt Auth	3305	5,410,723	2,290,257	11,055,708	5,777	18,762,465	15,782,209	84.1%
Carleton, Vlg of	5805	829,636	28,097	660,266	0	1,517,999	1,079,983	71.1%
Carrollton Twp	7320	2,820,262	336,251	1,658,621	0	4,815,134	3,653,384	75.9%
Cascade Chtr Twp	4110	4,691,154	431,377	6,522,160	3,351	11,648,042	8,823,810	75.8%
Caseville, City of	3207	1,515,911	33,906	2,016,878	949	3,567,644	2,463,344	69.0%
Caspian, City of	3608	283,165	68,533	947,497	0	1,299,195	658,712	50.7%
Cass Co	1402	18,355,569	969,385	17,343,075	157,739	36,825,768	26,114,332	70.9%
Cass Co MCF	1403	2,762,801	238,668	3,964,069	258,947	7,224,485	6,310,508	87.3%
Cass Dist Lib	1404	654,013	75,502	351,989	6,555	1,088,059	1,056,810	97.1%
Cedar Springs, City of	4105	498,794	514,265	2,398,234	15,517	3,426,810	2,705,866	79.0%
Center Line, City of	5001	1,259,483	277,560	6,978,480	66,097	8,581,620	3,849,435	44.9%
Central Lake, Vlg of	0504	303,162	5,410	0	0	308,572	292,174	94.7%
Central Mich Dist Hlth Dept	3705	5,867,560	2,151,969	15,852,017	55,647	23,927,193	15,799,974	66.0%
Charlevoix Co	1503	27,283,890	4,167,349	32,520,070	24,022	63,995,331	46,247,318	72.3%
Charlevoix CRC	1501	3,844,278	352,871	4,920,228	0	9,117,377	7,367,836	80.8%
Charlevoix, City of	1505	3,850,547	576,221	10,211,727	17,485	14,655,980	9,476,712	64.7%
Charlotte Dist Lib	2309	372,791	6,153	444,583	0	823,527	500,850	60.8%
Charlotte, City of	2301	5,412,627	446,362	18,157,756	8,582	24,025,327	12,746,492	53.1%
Cheboygan Co	1603	14,722,334	1,631,177	17,259,041	86,760	33,699,312	23,081,799	68.5%
Cheboygan CRC	1601	6,680,317	914,790	15,278,247	4,242	22,877,596	10,497,263	45.9%
Cheboygan, City of	1602	4,218,886	97,717	7,497,577	7,751	11,821,931	6,903,879	58.4%
Chelsea Area Fire Auth	8118	861,322	79,956	237,559	0	1,178,837	1,111,666	94.3%
Chelsea, City of	8103	1,297,424	480,604	11,521,160	0	13,299,188	10,603,731	79.7%
Chesaning, Vlg of	7313	767,427	155,848	2,784,612	0	3,707,887	997,605	26.9%
Chesterfield Twp	5009	22,000,392	1,032,049	24,050,992	85,719	47,169,152	33,422,849	70.9%
Chesterfield Twp Lib	5010	494,293	370,498	752,092	7,540	1,624,423	1,658,268	102.1%
Chikaming Twp	1112	929,316	0	1,754,463	15,131	2,698,910	1,831,090	67.8%
Chippewa Co	1703	17,278,526	929,867	32,229,624	121,230	50,559,247	32,768,660	64.8%
Chippewa Co - Emplmt & Trng CLD	1710	0	199,188	1,471,240	5,430	1,675,858	1,989,996	118.7%
Chippewa CRC	1704	7,028,782	93,509	14,886,273	2,650	22,011,214	10,377,754	47.1%
Chippewa River Dist Lib	3707	1,536,871	500,777	1,822,021	20,121	3,879,790	3,068,364	79.1%
Chocolay, Chtr Twp of	5218	681,989	163,740	1,157,272	25,017	2,028,018	1,939,752	95.6%
Clare Co	1802	11,805,491	2,596,063	12,033,583	182,498	26,617,635	18,486,330	69.5%
Clare Co Trans Auth	1806	261,321	13,162	86,217	0	360,700	254,378	70.5%
Clare CRC	1801	3,838,802	276,148	9,253,297	15,752	13,383,999	9,328,357	69.7%
Clare, City of	1804	3,617,066	607,731	5,565,761	10,730	9,801,288	5,787,398	59.0%
Clawson, City of	6305	3,869,596	406,679	21,602,717	7,436	25,886,428	24,363,118	94.1%
Clay Twp	7706	4,874,761	633,725	6,095,839	54,492	11,658,817	7,061,818	60.6%
Clearwater Twp	4005	51,716	0	104,878	0	156,594	102,465	65.4%
Clinton Co	1903	23,761,979	3,787,414	35,915,820	4,035	63,469,248	63,009,808	99.3%
Clinton CRC	1901	8,210,725	764,946	15,494,760	23,158	24,493,589	16,972,099	69.3%
Clinton Twp	5002	26,012,807	1,483,168	54,216,104	198,882	81,910,961	50,956,163	62.2%
Clinton, Vlg of	4602	2,645,350	149,417	3,633,857	0	6,428,624	6,133,865	95.4%
Clinton-Eaton-Ingham CMH	3308	83,515,106	10,337,732	114,867,675	1,361,200	210,081,713	149,046,879	70.9%
Clio, City of	2523	870,269	213,262	1,085,824	14,045	2,183,400	1,566,830	71.8%
CMH for Central Mich	3708	36,136,136	7,143,259	45,417,051	26,103	88,722,549	74,936,353	84.5%
Coldwater Brd of Pub Util	1203	3,744,061	303,674	9,759,222	0	13,806,957	8,097,082	58.6%
Coldwater, City of	1201	4,765,042	354,530	12,089,366	37	17,208,975	12,366,474	71.9%
Coleman, City of	5603	710,097	0	2,546,219	9,925	3,266,241	1,995,644	61.1%
Coloma Chtr Twp	1107	1,303,115	180,375	1,392,629	6,637	2,882,756	2,348,519	81.5%
Coloma, City of	1118	818,474	0	401,767	0	1,220,241	1,038,515	85.1%
Columbiaville, Vlg of	4406	410,340	0	257,133	897	668,370	460,064	68.8%
Constantine, Vlg of	7806	43,655	41,048	0	12,246	96,949	147,519	152.2%
Coopersville Area Dist Lib	7011	194,404	7,698	309,289	0	511,391	375,805	73.5%
Coopersville, City of	7005	884,015	351,668	2,282,650	274	3,518,607	2,430,551	69.1%
Corunna City of	7604	1,949,397	126,898	4,133,200	615	6,210,110	4,740,672	76.3%
Corwith Twp	6904	147,161	41,971	0	0	189,132	174,693	92.4%
Covert Twp	8010	960,971	478,720	736,050	24,407	2,200,148	1,618,538	73.6%
Crawford Co	2001	6,824,832	979,305	15,025,520	3,886	22,833,543	21,853,666	95.7%
Crawford Co Trans Auth	2004	2,534,592	237,068	3,866,033	7,327	6,645,020	4,951,394	74.5%

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Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Crawford CRC	2002	3,825,752	0	7,209,820	0	11,035,572	4,630,242	42.0%
Croswell, City of	7401	4,995,300	468,972	6,275,690	5,311	11,745,273	6,673,059	56.8%
Crystal Falls Cmnty Hosp CLD	3618	0	328,510	3,109,164	0	3,437,674	3,799,951	110.5%
Crystal Falls, City of	3603	2,773,829	420,183	6,849,853	0	10,043,865	5,762,295	57.4%
Ctrl Dispatch of Muskegon Co	6109	2,374,410	365,843	4,937,013	134,836	7,812,102	5,880,212	75.3%
Ctrl Wayne Co Sanitation Auth	8214	0	155,830	1,873,729	0	2,029,559	1,734,255	85.4%
Davison Richfield Sr CCA	2525	87,028	0	229,525	0	316,553	178,208	56.3%
Davison Twp	2519	9,571,784	299,639	8,181,610	17,546	18,070,579	13,536,380	74.9%
Davison,City of	2516	2,813,317	279,096	11,435,163	21,546	14,549,122	6,983,092	48.0%
Dearborn, City of	8251	23,065,320	0	0	98,635	23,163,955	22,054,174	95.2%
Deerfield, Vlg of	4603	271,332	59,448	1,313,929	0	1,644,709	1,035,882	63.0%
Delta Area Transit Auth	2107	106,080	0	0	0	106,080	81,914	77.2%
Delta Chtr Twp	2306	6,260,619	1,002,362	10,745,970	71,327	18,080,278	13,049,344	72.2%
Delta Co	2102	11,259,836	2,592,064	28,506,323	1,841	42,360,064	28,950,211	68.3%
Delta CRC	2105	2,840,658	990,696	9,885,512	3,407	13,720,273	7,512,760	54.8%
Delta-Menominee Dist Hlth Dept	2103	3,692,604	1,634,303	7,040,110	17,628	12,384,645	10,551,865	85.2%
Detour, Vlg of	1706	284,737	79,291	240,073	0	604,101	247,553	41.0%
Detroit HC	8241	10,998,948	3,062,018	7,470,277	113,385	21,644,628	20,644,514	95.4%
DeWitt Chtr Twp	1910	2,524,946	220,321	4,747,063	9,888	7,502,218	4,895,134	65.2%
DeWitt, City of	1908	2,198,536	535,657	3,199,950	1,401	5,935,544	3,400,384	57.3%
Dexter Area Fire Dept	8219	1,481,800	0	464,362	0	1,946,162	1,389,650	71.4%
Dexter Twp	8111	536,647	4,654	465,920	58,730	1,065,951	1,083,807	101.7%
Dexter, City of	8217	2,417,384	70,695	2,098,274	0	4,586,353	3,921,276	85.5%
Dickinson Co	2206	12,500,214	1,964,240	25,108,704	144,110	39,717,268	22,539,815	56.8%
Dickinson CRC	2203	3,157,164	434,833	7,611,987	0	11,203,984	5,362,068	47.9%
Dickinson-Iron Dist Hlth Dept	3605	3,216,935	763,299	6,554,777	7,905	10,542,916	6,840,010	64.9%
Dimondale,Vlg of	2304	132,546	45,882	889,278	0	1,067,706	761,576	71.3%
Dist Hlth Dept # 2	6501	1,459,317	582,125	5,925,080	13,673	7,980,195	6,437,136	80.7%
Dist Hlth Dept # 4	7103	4,337,214	721,766	17,282,664	2,990	22,344,634	12,435,673	55.7%
Dist Hlth Dept #10	5104	4,381,056	860,918	25,232,238	3,371	30,477,583	18,587,013	61.0%
Douglas, City of Vlg of	0303	1,768,787	665,027	1,748,757	1,150	4,183,721	3,780,969	90.4%
Dowagiac Dist Lib	1406	60,590	0	96,989	1,870	159,449	140,050	87.8%
Dowagiac HC	1405	120,898	27,765	164,966	0	313,629	279,589	89.1%
Dowagiac, City of	1401	4,828,596	1,925,885	16,370,003	84,281	23,208,765	11,307,795	48.7%
Drummond Island Twp	1708	246,631	0	28,295	0	274,926	233,303	84.9%
Dryden, Vlg of	4405	59,322	142,895	267,685	0	469,902	258,132	54.9%
Dundee, Vlg of	5803	840,768	502,337	3,030,705	31,034	4,404,844	2,556,811	58.0%
Durand, City of	7603	1,746,707	536,333	4,730,689	0	7,013,729	4,324,128	61.7%
E UP Reg Planning & Dev Comm	1709	354,812	0	0	0	354,812	488,161	137.6%
E UP Trans Auth	1705	3,248,986	175,408	9,637,818	0	13,062,212	5,499,078	42.1%
East China Chtr Twp	7701	1,173,480	620,847	7,748,443	10,972	9,553,742	5,366,312	56.2%
East Grand Rapids,City of	4101	2,568,394	300,163	16,513,504	3,135	19,385,196	9,411,790	48.6%
East Jordan, City of	1504	2,154,654	170,032	3,333,006	9,897	5,667,589	3,550,303	62.6%
East Lansing, City of	3301	47,157,693	5,954,142	151,149,684	37,985	204,299,504	106,608,820	52.2%
Eastpointe HC	5011	1,222,766	0	182,280	5,518	1,410,564	1,157,129	82.0%
Eastpointe, City of	5019	22,376,103	1,482,619	68,589,485	0	92,448,207	46,192,733	50.0%
Eaton Co	2302	41,811,254	9,469,115	112,927,468	572,482	164,780,319	99,451,852	60.4%
Eaton Co Hlth & Rehab Svcs	2305	7,839,338	698,570	4,621,817	667,059	13,826,784	12,504,146	90.4%
Eaton Rapids, City of	2307	3,918,326	1,294,074	11,593,852	12,835	16,819,087	9,176,985	54.6%
Eau Claire, Vlg of	1104	159,325	0	366,413	1,978	527,716	189,257	35.9%
Ecorse, City of	8206	5,348,647	1,474,180	35,717,776	160	42,540,763	18,033,864	42.4%
Elk Rapids, Vlg of	0506	1,354,312	8,789	1,772,323	55,477	3,190,901	2,332,359	73.1%
Elkton, Vlg of	3206	175,318	9,793	475,453	0	660,564	662,056	100.2%
Elsie, Vlg of CLD	1906	0	0	130,708	1,265	131,973	198,857	150.7%
Emmet CRC	2401	3,869,295	9,799	12,018,077	0	15,897,171	10,667,767	67.1%
Emmett, Chtr Twp	1310	3,586,438	530,534	2,369,703	2,085	6,488,760	4,850,528	74.8%
Erie, Twp of	5812	168,999	0	0	22,159	191,158	182,156	95.3%
Escanaba, City of	2101	8,426,298	760,870	29,497,206	0	38,684,374	23,954,149	61.9%
Essexville, City of	0903	1,274,383	775,559	5,272,125	37,002	7,359,069	4,772,924	64.9%
Evart Local Dev Finance Auth	6706	103,174	0	453,579	0	556,753	256,462	46.1%
Evart, City of	6705	535,290	293,112	1,747,195	2,060	2,577,657	1,743,250	67.6%
Farmington Cmnty Lib	6319	2,049,051	120,838	7,563,429	1,602	9,734,920	8,565,153	88.0%
Farmington, City of	6343	9,514,627	559,897	18,149,297	436	28,224,257	20,682,448	73.3%
Farwell, Vlg of	1805	48,419	143,528	379,921	15,004	586,872	387,344	66.0%
Fenton, City of	2505	6,493,451	1,038,248	12,174,043	9,025	19,714,767	12,783,505	64.8%
Ferndale HC	6345	561,234	475,964	161,479	9,249	1,207,926	762,957	63.2%
Ferrysburg, City of	7106	1,274,354	34,870	1,325,534	0	2,634,758	1,799,203	68.3%
Flat Rock, City of	8212	6,762,952	2,186,585	20,464,867	78,501	29,492,905	12,707,379	43.1%
Flint Pub Lib	2518	1,442,388	210,674	367,916	0	2,020,978	2,088,661	103.3%
Flint, Chtr Twp of	2512	9,671,406	404,659	27,925,043	36,739	38,037,847	22,070,302	58.0%
Flint, City of	2530	54,553,293	13,488,923	489,367,125	204,801	557,614,142	159,890,125	28.7%
Flushing, Chtr Twp of	2515	2,037,338	101,448	4,638,978	0	6,777,764	3,928,723	58.0%
Flushing, City of	2502	5,816,172	710,081	15,492,245	18,784	22,037,282	11,219,191	50.9%
Forsyth Twp	5212	2,198,282	525,252	5,595,887	0	8,319,421	4,622,678	55.6%
Fowler, Vlg of	1904	400,312	39,612	105,572	0	545,496	404,516	74.2%
Fowlerville Dist Lib	4710	178,025	0	584,589	4,440	767,054	544,798	71.0%
Fowlerville, Vlg of	4705	871,419	163,490	2,659,317	7,535	3,701,761	3,242,613	87.6%
Frankenmuth Wickson Dist Lib	7323	0	0	281,943	0	281,943	207,278	73.5%
Frankenmuth, City of	7306	6,334,596	93,895	10,758,776	1,241	17,188,508	11,054,387	64.3%
Frankfort, City of	1002	1,750,097	135,841	2,165,528	4,991	4,056,457	2,043,504	50.4%
Franklin, Vlg of	6323	1,486,340	135,115	6,894,975	27,961	8,544,391	4,423,491	51.8%
Fraser, City of	5003	18,010,542	3,183,593	42,547,170	73,328	63,814,633	33,871,005	53.1%

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Fremont Area Dist Lib	6209	635,884	183,301	568,625	0	1,387,810	943,948	68.0%
Fremont, City of	6203	5,225,525	1,134,916	8,513,377	0	14,873,818	8,808,043	59.2%
Gaastra, City of	3617	281,495	0	147,309	0	428,804	221,786	51.7%
Garden City, City of	8255	23,113,561	458,923	77,522,727	229,068	101,324,279	58,202,812	57.4%
Gaylord, City of	6903	4,964,841	94,934	11,107,196	2,653	16,169,624	9,549,439	59.1%
Genesee Chtr Twp	2510	5,299,271	1,226,830	14,114,854	202	20,641,157	9,771,713	47.3%
Genoa Twp	4713	545,909	0	0	0	545,909	448,727	82.2%
Gerald R Ford Intl Arpt Auth	4116	15,982,117	1,017,093	4,463,502	14,024	21,476,736	27,241,589	126.8%
Gladstone, City of	2106	3,118,883	124,860	10,689,467	0	13,933,210	7,256,321	52.1%
Gladwin City HC	2608	845,670	258,238	3,135,377	11,388	4,250,673	2,966,443	69.8%
Gladwin Co	2602	9,702,018	1,521,407	15,802,061	130,428	27,155,914	17,144,329	63.1%
Gladwin Co Dist Lib	2607	509,214	0	837,665	2,636	1,349,515	977,352	72.4%
Gladwin CRC	2601	4,011,140	819,261	11,766,215	3,703	16,600,319	10,881,038	65.5%
Gladwin, City of	2605	763,303	40,035	1,506,510	7,528	2,317,376	1,811,970	78.2%
Gogebic-Iron WWTR Auth	2703	1,581,556	0	2,305,353	0	3,886,909	2,451,338	63.1%
Grand Beach, Vlg of	1117	417,799	34,838	90,418	0	543,055	510,463	94.0%
Grand Blanc Chtr Twp	2511	14,555,504	165,057	12,655,853	13,021	27,389,435	17,881,387	65.3%
Grand Blanc, City of	2513	5,160,016	193,024	11,028,606	12,103	16,393,749	14,687,005	89.6%
Grand Haven, City of	7010	35,185,053	4,989,348	82,541,170	365,291	123,080,862	88,829,728	72.2%
Grand Ledge Area Dist. Library	2316	40,840	0	0	0	40,840	39,616	97.0%
Grand Ledge Area ESA	2310	1,600,903	108,983	508,618	112	2,218,616	1,740,416	78.4%
Grand Ledge, City of	2312	567,581	127,168	3,017,342	0	3,712,091	2,289,475	61.7%
Grand Rapids HC	4108	831,993	0	1,583,275	0	2,415,268	1,879,479	77.8%
Grand Traverse Co	2803	14,986,893	3,196,266	81,605,694	1,628	99,790,481	53,981,655	54.1%
Grand Traverse CRC	2802	537,159	117,594	8,381,360	0	9,036,113	8,189,911	90.6%
Grand Traverse Pavilions	2809	21,371,606	4,364,660	19,829,172	366,667	45,932,105	34,923,608	76.0%
Grandville, City of	4102	4,186,667	311,965	16,136,347	0	20,634,979	11,541,945	55.9%
Gratiot Co	2905	10,710,541	1,204,165	21,562,591	0	33,477,297	31,241,346	93.3%
Gratiot CRC	2903	6,529,980	65,243	13,923,453	0	20,518,676	13,113,145	63.9%
Grayling, City of	2003	387,050	199,969	3,723,114	0	4,310,133	2,599,712	60.3%
Green Oak Chtr Twp	4708	6,301,665	207,630	3,808,507	36,661	10,354,463	6,761,202	65.3%
Greenville, City of	5906	3,030,070	470,035	3,861,529	35,705	7,397,339	5,071,776	68.6%
Grosse Ile Twp	8207	15,006,943	538,436	22,882,045	684	38,428,108	22,277,371	58.0%
Grosse Pointe Park, City of	8201	13,544,836	1,365,692	35,807,553	55,242	50,773,323	26,724,013	52.6%
Grosse Pointe-Clinton Ref CLD	5004	0	0	1,937,913	43,337	1,981,250	2,554,758	128.9%
Groveland Twp	6335	694,049	192,875	1,389,597	0	2,276,521	2,720,544	119.5%
Hackley Pub Lib	6114	352,031	76,487	0	0	428,518	382,705	89.3%
Hamburg Twp	4709	3,362,137	464,792	2,952,342	9,357	6,788,628	4,630,365	68.2%
Hamtramck HC	8250	2,731,318	67,410	845,147	3,645	3,647,520	2,759,502	75.7%
Hamtramck, City of	8205	10,528,927	2,274,992	90,025,123	437,895	103,266,937	41,651,052	40.3%
Hancock, City of	3107	1,164,688	12,728	3,692,585	171	4,870,172	2,882,358	59.2%
Harbor Beach, City of	3201	3,737,779	109,667	5,689,111	8,530	9,545,087	6,405,232	67.1%
Harbor Springs Area Swg Auth	2406	580,584	0	748,276	0	1,328,860	1,078,317	81.1%
Harbor Springs, City of	2405	3,026,229	82,559	4,240,073	23,778	7,372,639	4,557,738	61.8%
Harper Woods, City of	8260	9,473,789	1,942,399	43,514,234	26,964	54,957,386	22,206,611	40.4%
Harrison Dist Lib	1807	0	0	257,981	0	257,981	157,744	61.1%
Harrison, City of	1803	1,030,185	136,631	2,886,767	317	4,053,900	2,462,255	60.7%
Hartland Deerfield Fire Auth	4716	831,227	86,412	0	0	917,639	923,687	100.7%
Hastings, City of	0801	3,239,361	1,206,894	13,096,997	4,389	17,547,641	7,986,958	45.5%
Hazel Park, City of	6336	18,665,976	885,086	55,275,195	138,960	74,965,217	31,792,018	42.4%
Helen Newberry Joy Hosp	4805	2,646,163	789,071	14,879,619	43,381	18,358,234	12,297,735	67.0%
Henika Dist Lib	0310	13,844	0	512,916	0	526,760	447,051	84.9%
Herrick Dist Lib	7012	3,570,360	230,505	5,272,094	276	9,073,235	6,880,992	75.8%
Hesperia, Vlg of	6214	22,321	53,968	0	2,986	79,275	93,845	118.4%
Hiawatha Bhvrl Hlth	1707	3,287,222	2,677,107	14,745,882	39,549	20,749,760	15,260,816	73.5%
Hillsdale Co	3005	3,263,883	576,569	5,409,511	13,131	9,263,094	5,699,164	61.5%
Hillsdale CRC	3004	4,591,189	435,238	7,778,442	915	12,805,784	8,479,296	66.2%
Hillsdale HC	3007	45,050	0	202,636	0	247,686	225,959	91.2%
Hillsdale, City of	3001	8,833,856	1,282,567	15,618,740	147,486	25,882,649	19,994,847	77.3%
Hlth Source of Saginaw	7311	15,746,287	3,979,199	28,933,632	20,802	48,679,920	40,176,550	82.5%
Holland Area Cmnty Pool Auth	7014	776,273	33,066	677,246	39,354	1,525,939	1,357,200	88.9%
Holland Cmnty Hosp CLD	7006	0	23,166	1,244,730	0	1,267,896	1,597,278	126.0%
Holland, City of	7001	51,352,162	5,469,023	90,683,875	11,800	147,516,860	130,501,113	88.5%
Holly, Vlg of	6317	4,341,198	358,592	11,134,146	3,634	15,837,570	7,401,990	46.7%
Homer, Vlg of	1304	429,050	228,575	1,095,826	0	1,753,451	1,460,355	83.3%
Houghton Co	3102	9,549,967	1,984,824	20,500,148	50,115	32,085,054	21,134,456	65.9%
Houghton CRC	3103	1,495,435	641,639	3,096,625	0	5,233,699	3,409,785	65.2%
Houghton Lake Pub Lib	7203	294,262	0	574,211	0	868,473	822,552	94.7%
Houghton, City of	3109	3,758,036	256,519	1,994,207	0	6,008,762	4,855,604	80.8%
Howard City, Vlg of	5902	108,117	187,792	478,408	0	774,317	721,000	93.1%
Howard Twp	1106	127,234	17,330	47,092	0	191,656	145,745	76.0%
Howell Area Fire Auth	4714	965,420	0	797,797	0	1,763,217	1,503,782	85.3%
Howell, City of	4702	8,776,187	1,913,105	17,689,681	68,401	28,447,374	16,579,703	58.3%
Howell-Carnegie Dist Lib	4707	1,216,089	14,471	854,399	0	2,084,959	1,680,836	80.6%
Hudsonville, City of	7004	0	438,414	2,146,044	1,615	2,586,073	1,819,794	70.4%
Huntington Woods, City of	6303	6,796,434	121,373	19,627,790	20,247	26,565,844	16,260,202	61.2%
Hurley Med Ctr	2521	182,945,413	33,554,529	422,939,615	3,237,440	642,676,997	438,174,313	68.2%
Huron Behavioral Health	3215	7,521,137	3,191,368	11,406,850	269,901	22,389,256	18,608,335	83.1%
Huron Chtr Twp	8224	11,128,285	1,439,009	14,640,203	36,640	27,244,137	18,059,971	66.3%
Huron Co	3204	36,175,913	2,574,994	59,622,505	519,817	98,893,229	65,933,467	66.7%
Huron CRC	3202	13,595,766	746,531	16,435,699	10,338	30,788,334	23,937,190	77.7%
Imlay City, City of	4404	3,109,314	162,555	5,733,635	9,408	9,014,912	5,873,815	65.2%

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		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Independence Twp	6328	7,155,306	442,422	8,385,891	11,200	15,994,819	10,181,174	63.7%
Indianfields Twp CLD	7905	0	54,731	181,230	0	235,961	321,297	136.2%
Ingham Co	3303	164,223,064	21,990,649	325,814,670	1,696,224	513,724,607	312,390,717	60.8%
Interurban Trans Auth	0308	510,414	0	1,086,110	0	1,596,524	1,171,056	73.4%
Ionia Cmnty Lib	3412	165,311	82,064	513,697	0	761,072	467,700	61.5%
Ionia Co	3408	11,051,609	1,503,505	19,723,424	73,925	32,352,463	17,804,676	55.0%
Ionia HC	3406	569,406	0	752,795	0	1,322,201	1,051,540	79.5%
Ionia, City of	3403	10,949,379	507,703	13,604,665	8,521	25,070,268	13,435,243	53.6%
Iosco Co	3501	11,894,989	1,840,304	17,463,029	27,837	31,226,159	22,253,327	71.3%
Iosco CRC	3502	3,443,160	212,463	9,121,044	0	12,776,667	9,269,893	72.6%
Iron Co	3606	20,472,373	2,781,435	24,369,967	367,230	47,991,005	42,378,396	88.3%
Iron Co HC	3611	1,055,411	35,899	64,884	0	1,156,194	852,092	73.7%
Iron CRC	3602	3,379,157	360,990	9,965,701	0	13,705,848	6,291,124	45.9%
Iron Mountain, City of	2201	2,685,164	256,746	10,581,986	2,685	13,526,581	4,520,898	33.4%
Iron Mountain-Kingsford Swg	2205	1,293,984	43,896	325,980	505	1,664,365	1,129,094	67.8%
Iron River, City of	3601	1,150,007	660,546	8,788,169	0	10,598,722	5,554,449	52.4%
Ironwood, City of	2706	7,168,526	340,559	13,579,252	20,226	21,108,563	10,954,135	51.9%
Isabella Co	3703	21,736,789	5,095,367	40,420,413	51,932	67,304,501	50,768,788	75.4%
Isabella Co Trans Comm	3709	1,530,822	0	1,492,316	3,020	3,026,158	2,558,778	84.6%
Isabella CRC	3702	6,274,655	706,866	8,837,027	27,483	15,846,031	11,543,746	72.8%
Ishpeming Area Joint Wwtr Trtm	5207	1,066,674	0	1,071,801	0	2,138,475	2,130,500	99.6%
Ishpeming Twp	5216	719,520	27,705	1,176,248	3,685	1,927,158	1,657,705	86.0%
Ishpeming, City of	5204	4,077,918	428,799	13,998,081	77,149	18,581,947	8,577,906	46.2%
Ithaca, City of	2904	443,901	297,263	3,968,478	0	4,709,642	2,913,680	61.9%
Jackson Dist Lib	3802	3,504,003	366,662	5,171,724	26,012	9,068,401	8,165,262	90.0%
Jackson Trans Auth	3805	4,003,419	1,240,669	4,531,043	13,377	9,788,508	7,189,126	73.4%
Jordan Valley Dist Lib	1507	268,149	0	73,992	0	342,141	316,765	92.6%
Jordan Valley EMS Auth	1509	418,275	36,450	86,670	8,612	550,007	367,546	66.8%
Kalamazoo Lake Swr & Wtr Auth	0306	214,951	223,639	959,053	0	1,397,643	1,006,704	72.0%
Kalamazoo Pub Lib	3903	6,131,868	772,729	3,365,073	0	10,269,670	9,016,331	87.8%
Kalamazoo, Chtr Twp of	3907	5,579,845	260,152	10,067,060	6,422	15,913,479	11,782,329	74.0%
Kalkaska Co	4003	6,399,717	1,448,270	15,803,675	43,923	23,695,585	15,829,951	66.8%
Kalkaska CRC	4002	1,212,093	1,490,010	7,863,147	2,889	10,568,139	3,461,752	32.8%
Kalkaska Pub Trans Auth	4004	1,016,124	67,197	1,468,068	8,187	2,559,576	2,075,757	81.1%
Kalkaska, Vlg of	4001	369,084	248,971	5,619,209	4,389	6,241,653	2,666,043	42.7%
Keego Harbor, City of	6322	821,717	62,429	3,991,319	7,381	4,882,846	2,202,708	45.1%
Kent CRC	4111	0	0	100,135	0	100,135	157,253	157.0%
Keweenaw Co	4202	1,952,716	225,836	1,798,387	2,451	3,979,390	3,008,417	75.6%
Keweenaw CRC	4201	2,231,370	31,584	4,752,630	0	7,015,584	3,434,595	49.0%
Kinde, Vlg of	3209	83,904	0	185,539	0	269,443	283,264	105.1%
Kingsford, City of	2202	3,364,711	5,960	6,329,847	28,226	9,728,744	5,831,436	59.9%
L.M.A.S. Dist Hlth Dept	4803	1,953,451	2,440,226	6,501,028	752	10,895,457	7,641,653	70.1%
Lac Vieux Desert Band	8402	224,874	180,308	222,596	9,859	637,637	652,513	102.3%
Laingsburg, City of	7608	394,603	25,770	246,690	12,842	679,905	592,113	87.1%
Lake Co	4301	9,183,270	1,443,279	11,538,403	25,174	22,190,126	16,037,417	72.3%
Lake CRC	4302	2,631,856	300,818	8,528,246	0	11,460,920	5,704,927	49.8%
Lake Linden, Vlg of	3105	251,619	101,651	1,032,699	0	1,385,969	664,175	47.9%
Lake Odessa, Vlg of	3402	85,115	0	448,984	0	534,099	437,851	82.0%
Lake Orion, Vlg of	6318	834,075	169,936	3,229,323	27,678	4,261,012	2,835,394	66.5%
Lakeland Lib Coop	4106	920,745	32,957	472,220	10,511	1,436,433	1,329,877	92.6%
Lakeshore Coordinating Council CLD	7007	0	157,271	769,675	0	926,946	1,054,025	113.7%
Lakeview Cemetery	2407	158,572	0	0	0	158,572	146,099	92.1%
L'Anse, Vlg of	0705	2,311,686	83,138	5,241,393	0	7,636,217	3,509,192	46.0%
Lansing Chtr Twp	3320	5,794,306	270,246	4,675,963	20,219	10,760,734	8,928,906	83.0%
Lansing HC	3311	1,101,138	792,546	7,767,247	34,982	9,695,913	8,254,331	85.1%
Lapeer Co	4403	64,752,730	9,061,578	62,044,231	279,803	136,138,342	112,493,545	82.6%
Lapeer CRC	4402	7,836,268	256,002	12,106,446	47,373	20,246,089	13,943,410	68.9%
Lapeer Dist Lib	4410	1,378,295	214,454	3,593,878	34,155	5,220,782	3,230,696	61.9%
Lapeer, City of	4401	14,807,873	1,030,603	16,427,161	0	32,265,637	22,832,160	70.8%
Lathrup Vlg, City of	6311	2,072,651	47,924	6,304,019	75,917	8,500,511	6,363,790	74.9%
Laurium, Vlg of	3104	1,351,557	69,651	1,541,384	0	2,962,592	1,747,056	59.0%
Lawrence, Vlg of	8004	0	9,697	104,850	0	114,547	107,089	93.5%
Leelanau Co	4501	14,723,640	1,301,475	15,787,053	38,534	31,850,702	26,732,587	83.9%
Leelanau CRC	4503	1,991,078	563,248	5,702,189	15,837	8,272,352	7,261,042	87.8%
Leoni Twp	3804	440,209	2,143,475	3,928,770	50,509	6,562,963	4,603,704	70.1%
Leslie Twp	3319	503,526	0	63,357	0	566,883	492,014	86.8%
Leslie, City of	3313	793,917	232,348	1,245,093	927	2,272,285	1,467,189	64.6%
Lexington, Vlg of	7708	947,561	351,826	1,792,309	12,809	3,104,505	1,772,034	57.1%
Lima Twp	8112	285,004	0	194,381	0	479,385	491,775	102.6%
Lincoln Park, City of	8244	4,294,115	970,439	36,320,926	0	41,585,480	8,721,728	21.0%
Litchfield, City of	3006	883,037	81,263	1,235,681	7,496	2,207,477	1,462,579	66.3%
Livingston Co	4703	68,801,897	10,750,436	87,314,884	79,855	166,947,072	125,354,338	75.1%
Livingston Co CMH Auth	4712	10,072,435	3,725,383	12,047,018	0	25,844,836	21,005,233	81.3%
Livingston CRC	4701	11,270,918	402,603	14,740,321	0	26,413,842	19,836,116	75.1%
Looking Glass Rgnl Fire CLD	2311	0	72,627	81,367	0	153,994	187,601	121.8%
Loutit Dist Lib	7013	1,459,695	15,911	1,656,802	21,524	3,153,932	2,451,461	77.7%
Lowell, City of	4104	6,401,786	931,488	9,308,882	71,494	16,713,650	9,978,938	59.7%
Luce Co	4804	2,920,260	504,635	5,982,131	4,276	9,411,302	5,107,294	54.3%
Luce Co Amb Svs	4806	581,962	64,091	0	0	646,053	545,450	84.4%
Luce CRC	4801	1,495,809	599,726	9,332,972	0	11,428,507	4,511,986	39.5%
Ludington, City of	5302	5,621,680	429,741	15,472,581	1,376	21,525,378	13,656,147	63.4%
Luna Pier, City of	5802	202,456	180,005	4,808,234	304	5,190,999	2,184,575	42.1%

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Lyons, Vlg of	3411	0	0	191,905	0	191,905	165,900	86.4%
Mackinac Co	4901	5,035,541	814,193	14,025,917	0	19,875,651	13,794,355	69.4%
Mackinac Co HC	4905	11,277	0	460,758	0	472,035	360,855	76.4%
Mackinac CRC	4903	2,458,648	0	7,397,455	0	9,856,103	5,536,577	56.2%
Mackinac Straits Hlth Sys	4902	15,274,798	2,964,958	18,765,824	221,393	37,226,973	28,093,919	75.5%
Mackinaw City, Vlg of	1606	1,215,372	50,976	337,687	1,095	1,605,130	1,271,640	79.2%
Madison Heights, City of	6308	8,839,213	2,216,018	31,908,589	24,349	42,988,169	40,797,077	94.9%
Madison, Chtr Twp of	4605	1,176,001	0	801,274	20,194	1,997,469	1,455,011	72.8%
Manistee Co	5101	20,029,555	3,266,474	36,039,286	146,161	59,481,476	40,821,627	68.6%
Manistee CRC	5103	3,824,154	691,481	8,906,715	0	13,422,350	8,686,080	64.7%
Manistee HC	5107	292,959	92,955	273,505	8,541	667,960	606,357	90.8%
Manistee, City of	5105	8,789,706	859,587	12,608,024	37,184	22,294,501	16,422,922	73.7%
Manistique, City of	7504	4,897,886	92,602	11,879,214	0	16,869,702	7,428,039	44.0%
Manlius Twp	0311	284,123	0	451,920	1,418	737,461	522,638	70.9%
Manton, City of	8304	249,744	132,334	1,598,197	0	1,980,275	658,713	33.3%
Marenisco Twp	2704	340,704	0	247,883	0	588,587	398,125	67.6%
Marine City, City of CLD	7704	0	0	12,411	0	12,411	34,942	281.5%
Marion, Vlg of	6704	380,575	2,598	219,444	0	602,617	519,220	86.2%
Marlette, City of	7405	1,018,087	67,714	1,325,773	0	2,411,574	1,571,212	65.2%
Marquette Brd of Light & Power	5209	8,310,438	83,842	35,184,042	14,009	43,592,331	32,552,881	74.7%
Marquette Chtr Twp	5215	2,566,616	114,468	1,214,904	5,354	3,901,342	2,990,421	76.7%
Marquette Co	5202	25,783,645	3,738,267	86,836,369	330,148	116,688,429	78,564,592	67.3%
Marquette Co Solid Waste Mgmt	5213	1,778,825	755,231	1,044,581	9,200	3,587,837	3,280,973	91.4%
Marquette Co Trans Auth	5206	1,029,709	62,186	2,926,890	32,073	4,050,858	3,300,433	81.5%
Marquette CRC	5211	10,024,571	1,415,640	21,135,197	21,034	32,596,442	15,685,521	48.1%
Marquette, City of	5201	23,910,743	1,932,805	47,884,389	81,990	73,809,927	44,504,641	60.3%
Marshall Area Firefighters Amb	1313	1,181,320	121,189	0	0	1,302,509	1,277,795	98.1%
Marshall Dist Lib	1309	0	0	195,769	0	195,769	69,913	35.7%
Marshall, City of	1306	10,423,504	1,411,009	26,162,469	38,340	38,035,322	22,520,704	59.2%
Mason Co	5301	21,768,888	3,411,038	40,768,883	0	65,948,809	46,748,154	70.9%
Mason Co Dist Lib	5303	984,763	19,798	1,670,184	0	2,674,745	1,896,701	70.9%
Mason CRC	5305	3,150,746	122,413	5,828,804	4,481	9,106,444	6,065,080	66.6%
Mason, City of	3304	5,095,212	2,349,072	13,437,822	126,570	21,008,676	13,534,525	64.4%
Mason-Oceana 911	6403	1,903,984	514,975	952,299	496	3,371,754	2,694,198	79.9%
MBS Intl Arpt	0902	4,366,928	434,200	8,184,978	0	12,986,106	7,162,154	55.2%
Meceola Central Dispatch	5405	1,471,672	624,861	1,767,414	7,212	3,871,159	2,988,103	77.2%
Mecosta Co	5403	12,459,600	2,704,731	24,479,802	8,615	39,652,748	37,554,701	94.7%
Mecosta Co General Hosp CLD	5404	0	1,562,106	5,547,384	1,265	7,110,755	8,840,321	124.3%
Mecosta CRC	5401	3,478,285	391,913	7,635,918	36,870	11,542,986	9,585,813	83.0%
Melvindale HC	8220	138,592	192,251	1,172,329	8,072	1,511,244	1,364,667	90.3%
Melvindale, City of	8215	4,952,226	1,504,589	37,841,463	1,737	44,300,015	15,770,404	35.6%
Menominee Co	5502	12,638,011	757,796	17,388,169	5,799	30,789,775	20,078,740	65.2%
Menominee CRC	5503	1,782,474	325,207	3,639,497	0	5,747,178	3,803,485	66.2%
Menominee, City of	5501	4,596,463	1,359,233	6,506,804	0	12,462,500	8,501,483	68.2%
Meridian Chtr Twp	3315	23,222,814	2,679,763	47,963,317	149,072	74,014,966	46,002,599	62.2%
MERS	2308	22,504,918	3,914,613	12,531,377	132,784	39,083,692	41,059,714	105.1%
Metamora Twp	4409	658,510	60,883	645,570	0	1,364,963	1,193,668	87.5%
Metro Police Auth of Genesee Co	2532	4,959,110	160,803	4,784,833	40,028	9,944,774	8,794,179	88.4%
Mich Muni Risk Mgmt Auth	8237	1,544,498	0	0	0	1,544,498	1,603,320	103.8%
Mich S Central Power Agcy	3002	0	3,856,271	11,036,717	0	14,892,988	14,991,071	100.7%
Middleville, Vlg of	0803	499,320	97,652	1,750,889	5,026	2,352,887	1,688,512	71.8%
Midland Co Central Disp Auth	5604	2,950,356	749,999	1,352,600	23,809	5,076,764	3,555,589	70.0%
Midland CRC	5602	5,278,813	0	14,860,507	3,771	20,143,091	14,708,703	73.0%
Midland, City of	5601	21,676,352	2,933,600	129,087,274	86,197	153,783,423	83,225,661	54.1%
Mid-Mich Dist Hlth Dept	5901	5,494,129	1,812,239	5,722,782	79,019	13,108,169	10,542,404	80.4%
Mid-Mich Lib League	8306	45,394	136,433	652,329	0	834,156	684,094	82.0%
Mid-Peninsula Lib Coop CLD	3609	0	0	205,416	2,195	207,611	21,556	10.4%
Milan Lib	5806	197,290	5,433	248,664	0	451,387	270,194	59.9%
Milan, City of	5801	130,359	1,331,408	12,354,801	0	13,816,568	6,768,535	49.0%
Milford, Vlg of	6313	6,455,098	373,170	9,553,627	15,833	16,397,728	12,267,953	74.8%
Millington, Vlg of	7904	166,656	0	1,370,010	0	1,536,666	1,455,557	94.7%
Missaukee Co	5702	2,934,280	731,844	4,431,641	21,776	8,119,541	5,705,231	70.3%
MOA Solid Waste Mgmt Auth	6002	380,537	138,263	619,978	0	1,138,778	937,478	82.3%
Monroe HC	5808	762,776	203,760	1,935,273	0	2,901,809	1,355,185	46.7%
Montague, City of	6112	2,529,591	58,579	4,554,086	0	7,142,256	5,619,496	78.7%
Montcalm Care Network	5909	3,473,534	1,502,831	2,674,908	41,511	7,692,784	12,026,706	156.3%
Montcalm Co	5907	14,219,327	1,407,340	18,687,887	43,259	34,357,813	26,354,457	76.7%
Montcalm CRC	5905	6,951,919	463,323	13,340,781	69	20,756,092	10,797,027	52.0%
Montmorency Co	6001	3,936,994	672,211	9,052,697	13,855	13,675,757	7,058,419	51.6%
Montrose, City of	2509	190,454	65,514	738,023	0	993,991	635,788	64.0%
Mt. Morris Chtr Twp	2503	7,539,772	430,057	34,151,854	17,737	42,139,420	21,032,729	49.9%
Mt. Pleasant, City of	3701	13,415,414	747,332	21,340,416	74,169	35,577,331	22,512,753	63.3%
Muir, Vlg of	3405	0	148,133	220,418	0	368,551	301,175	81.7%
Mundy, Chtr Twp of	2517	1,243,861	259,880	1,295,318	3,443	2,802,502	2,480,618	88.5%
Munising, City of	0202	3,850,749	149,904	6,305,931	0	10,306,584	5,994,137	58.2%
Muskegon Area Dist Lib	6117	1,963,260	0	1,216,527	16,522	3,196,309	2,779,252	87.0%
Muskegon Chtr Twp	6108	7,645,877	862,706	18,246,742	7,156	26,762,481	17,060,302	63.7%
Muskegon Co	6103	68,778,989	15,652,548	196,315,230	743,497	281,490,264	228,139,416	81.0%
Muskegon CRC	6101	9,169,764	892,528	15,979,500	0	26,041,792	21,312,586	81.8%
Muskegon HC	6113	439,685	33,018	529,943	0	1,002,646	729,970	72.8%
Muskegon Heights HC	6115	1,146,137	6,196	570,017	1,352	1,723,702	1,066,008	61.8%
Muskegon Heights, City of	6102	9,100,874	1,211,466	27,389,401	195,282	37,897,023	21,336,823	56.3%

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
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Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Muskegon, City of	6116	29,798,777	4,717,991	88,060,151	67,137	122,644,056	90,167,568	73.5%
N Houghton Co Wtr&Swg Auth	3106	450,835	38,686	299,599	0	789,120	571,072	72.4%
N Muskegon, City of	6104	1,576,077	259,978	5,690,181	0	7,526,236	5,310,677	70.6%
Nashville, Vlg of	0807	420,609	2,902	187,832	18,296	629,639	552,022	87.7%
Negaunee Twp	5217	393,085	2,715	429,076	942	825,818	770,001	93.2%
Negaunee, City of	5203	3,472,251	829,073	10,137,789	0	14,439,113	7,098,692	49.2%
Network180	4109	11,305,637	4,613,081	25,526,848	155,019	41,600,585	35,909,365	86.3%
New Baltimore, City of	5016	8,699,709	736,470	10,553,594	35,114	20,024,887	15,273,039	76.3%
New Buffalo Twp	1121	494,012	0	54,471	0	548,483	533,559	97.3%
New Buffalo, City of	1113	1,273,721	140,509	1,318,146	56,064	2,788,440	2,480,867	89.0%
Newaygo CMH	6207	0	41,046	3,256,943	0	3,297,989	3,435,149	104.2%
Newaygo Co	6201	3,401,608	1,892,162	22,413,299	0	27,707,069	21,859,272	78.9%
Newaygo CRC	6212	4,932,555	176,914	7,028,472	1,133	12,139,074	9,556,597	78.7%
Newaygo MCF	6204	5,098,501	1,004,852	8,565,019	388,020	15,056,392	14,401,625	95.7%
Newaygo Soil & Wtr Cnsrvn Dist	6205	53,623	0	156,374	3,301	213,298	194,900	91.4%
Newberry, Vlg of	4802	658,947	130,605	4,291,347	0	5,080,899	2,871,720	56.5%
Niles Dist Lib	1105	472,535	64,370	707,821	18,764	1,263,490	1,011,600	80.1%
Niles, City of	1115	15,463,790	271,625	26,571,913	37,484	42,344,812	31,633,132	74.7%
Northern Lakes CMH Auth	2808	2,263,852	501,056	22,785,629	0	25,550,537	20,603,495	80.6%
Northfield Twp	8117	2,441,327	437,337	0	0	2,878,664	2,542,731	88.3%
Northpointe Bhvrl Hlth Sys	2207	3,281,066	2,003,421	9,418,833	25,756	14,729,076	12,252,624	83.2%
Northville Chtr Twp	8230	22,752,393	938,731	29,270,897	2,771	52,964,792	48,573,643	91.7%
Northville Dist Lib	8229	1,374,743	121,844	2,572,250	0	4,068,837	3,017,800	74.2%
Northville, City of	8208	3,085,206	425,323	18,011,201	0	21,521,730	14,778,122	68.7%
Norton Shores, City of	6106	18,711,002	997,817	31,658,443	51,161	51,418,423	25,374,533	49.3%
Norway, City of	2204	8,119,160	0	14,920,610	6,205	23,045,975	9,248,571	40.1%
Nottawaseppi Huron Band	8403	905,848	3,066	115,912	1,208	1,026,034	876,778	85.5%
Novi, City of	6320	37,982,082	3,634,427	69,044,128	117,249	110,777,886	69,272,261	62.5%
NW Mich Cmnty Hlth Agcy	1502	1,596,845	83,357	5,369,169	0	7,049,371	5,552,528	78.8%
NW Rgnl Arpt Comm	2805	2,894,921	189,631	4,877,433	0	7,961,985	6,713,757	84.3%
Oceana Co	6402	19,276,502	2,050,939	25,321,805	97,211	46,746,457	34,292,322	73.4%
Oceola Twp	4717	1,039,216	52,996	528,314	6,112	1,626,638	1,542,029	94.8%
Ogemaw Co	6502	9,065,578	548,531	21,891,608	60,943	31,566,660	22,322,516	70.7%
Ogemaw Co Emerg Disp Auth	6510	1,292,073	249,778	0	0	1,541,851	1,056,105	68.5%
Ogemaw Co EMS Auth	6508	2,476,177	402,057	1,985,544	29,363	4,893,141	3,823,850	78.1%
Ogemaw CRC	6503	3,511,795	30,365	8,516,130	0	12,058,290	6,908,228	57.3%
Olive Twp	7009	233,008	0	232,172	0	465,180	291,935	62.8%
Onaway, City of	7105	266,200	251,003	487,920	0	1,005,123	829,275	82.5%
Ontonagon Co	6602	5,219,967	814,667	5,726,082	6,978	11,767,694	7,815,086	66.4%
Ontonagon Co Economic Dev Corp	6605	0	0	98,347	0	98,347	48,562	49.4%
Ontonagon CRC	6604	7,359,515	154,968	20,099,221	0	27,613,704	13,369,213	48.4%
Ontonagon, Vlg of	6603	1,017,224	1,451,803	11,841,289	148,628	14,458,944	7,032,897	48.6%
Orchard Lake, City of	6312	921,431	78,012	5,373,193	209	6,372,845	4,944,802	77.6%
Oronoko Chtr Twp	1114	935,078	177,157	1,485,987	16,383	2,614,605	1,842,368	70.5%
Osceola Co	6701	10,778,480	3,290,349	9,433,132	32,097	23,534,058	18,811,492	79.9%
Osceola CRC	6703	2,663,138	0	6,045,533	84	8,708,755	4,676,191	53.7%
Oscoda Chtr Twp	3503	1,143,837	275,353	3,455,372	12,024	4,886,586	2,841,415	58.1%
Oscoda Co	6801	3,761,156	527,384	7,564,207	55,186	11,907,933	7,898,420	66.3%
Oscoda Co Lib	6803	134,872	0	0	0	134,872	164,254	121.8%
Oscoda Wurtsmith Arpt Auth	6802	251,271	0	296,677	0	547,948	376,855	68.8%
Otisville, Vlg of	2506	382,323	4,006	982,364	0	1,368,693	915,115	66.9%
Otsego Co	6902	9,237,416	2,922,129	12,982,215	6,637	25,148,397	16,212,635	64.5%
Otsego CRC	6901	4,126,449	930,387	8,586,502	254	13,643,592	8,634,150	63.3%
Ottawa Co	7003	133,515,204	17,385,880	174,645,111	808,200	326,354,395	251,139,600	77.0%
Ottawa Co Central Disp Auth	7008	467,240	376,812	1,667,153	9,611	2,520,816	2,175,788	86.3%
Ottawa CRC	7002	17,322,795	1,146,645	41,081,793	33,518	59,584,751	34,406,758	57.7%
Otter Lake, Vlg of	4408	0	0	176,911	0	176,911	115,519	65.3%
Owosso, City of	7607	3,572,961	44,963	7,445,710	0	11,063,634	9,070,320	82.0%
Oxford Fire Department	6327	3,200,612	178,299	3,374,546	859	6,754,316	4,936,718	73.1%
Oxford, Vlg of	6326	1,938,050	525,713	1,523,760	1,618	3,989,141	2,430,384	60.9%
Parchment, City of	3901	661,660	475,439	2,258,959	0	3,396,058	2,281,647	67.2%
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	5,808,140	3,174,824	45,446,775	43,159	54,472,898	25,663,172	47.1%
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	1,331,175	0	1,058,274	0	2,389,449	1,804,380	75.5%
Paw Paw, Vlg of	8002	4,619,386	212,608	6,004,532	41,665	10,878,191	7,717,757	70.9%
Pellston, Vlg of	2404	394,496	0	263,928	0	658,424	509,104	77.3%
Pennfield Chtr Twp	1312	1,725,228	300,383	1,435,905	0	3,461,516	2,396,806	69.2%
Pentwater, Vlg of	6401	372,978	189,564	1,820,774	8,824	2,392,140	1,666,626	69.7%
Perrinton, Vlg of	2909	109,229	40,803	0	3,422	153,454	135,409	88.2%
Petersburg, City of	5807	633,426	146,739	0	0	780,165	733,910	94.1%
Petoskey, City of	2402	12,243,286	633,381	17,749,785	7,438	30,633,890	24,499,791	80.0%
Pewamo, Vlg of	3407	436,939	0	0	0	436,939	347,537	79.5%
Pigeon, Vlg of	3203	489,479	256,819	570,773	0	1,317,071	885,338	67.2%
Pinckney, Vlg of	4706	1,721,942	192,419	1,758,255	12,499	3,685,115	2,957,111	80.2%
Pinconning, City of	0904	461,801	0	1,789,925	0	2,251,726	1,197,151	53.2%
Pittsfield Chtr Twp	8110	25,407,753	1,949,327	18,211,795	214,891	45,783,766	31,811,464	69.5%
Pleasant Ridge, City of	6301	1,554,255	496,922	4,419,310	10,977	6,481,464	3,428,306	52.9%
Plymouth Dist Lib	8221	1,737,377	17,500	3,513,415	0	5,268,292	3,726,821	70.7%
Plymouth, Chtr Twp of	8238	14,007,961	757,530	22,319,664	52,505	37,137,660	25,035,168	67.4%
Plymouth, City of	8202	0	158,355	15,929,396	0	16,087,751	8,894,420	55.3%
Pokagon Band of Potawatomi	8401	26,893,493	3,389,034	4,837,376	358,895	35,478,798	35,239,840	99.3%
Port Austin Area Swr&Wtr Auth	3210	0	0	87,673	7,732	95,405	169,481	177.6%
Port Austin, Vlg of	3208	274,953	5,560	468,161	18,089	766,763	531,910	69.4%

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Port Huron Chtr Twp	7711	2,144,896	348,562	1,641,813	5,737	4,141,008	2,844,503	68.7%
Port Huron HC	7712	2,930,091	165,792	6,628,081	2,987	9,726,951	6,758,994	69.5%
Port Huron, City of	7702	32,191,911	3,105,922	124,659,486	65,037	160,022,356	81,099,265	50.7%
Port Sanilac, Vlg of	7403	405,098	65,724	1,090,828	10,109	1,571,759	906,069	57.6%
Port Sheldon Twp	7018	518,414	0	515,693	0	1,034,107	1,017,519	98.4%
Portland, City of	3401	5,484,359	901,004	8,834,856	276	15,220,495	9,313,870	61.2%
Potterville, City of	2313	181,583	228,280	710,525	2,159	1,122,547	783,211	69.8%
Presque Isle Co	7104	5,177,239	643,534	9,265,107	50,818	15,136,698	9,370,837	61.9%
Presque Isle CRC	7101	3,227,455	0	7,437,226	222	10,664,903	5,410,410	50.7%
PRIDE Youth Programs CLD	6210	0	0	536,674	0	536,674	313,383	58.4%
Ravenna, Vlg of	6111	93,121	51,283	591,913	0	736,317	628,826	85.4%
Reading, City of	3003	294,470	5,329	218,057	0	517,856	426,408	82.3%
Redford Twp Dist Lib	8228	1,560,421	92,581	1,742,038	0	3,395,040	2,731,452	80.5%
Redford, Chtr Twp of	8209	12,176,737	2,116,761	39,997,407	37,079	54,327,984	29,388,439	54.1%
Reed City, City of	6702	2,651,045	409,868	4,839,776	872	7,901,561	4,746,263	60.1%
Richfield Twp (Genesee Co)	2514	2,011,202	286,000	3,711,819	28,546	6,037,567	3,343,326	55.4%
Richfield Twp (Roscommon Co)	7202	1,115,629	255,706	2,080,166	19,916	3,471,417	2,213,774	63.8%
Richland Twp	7310	857,301	18,687	4,779,623	1,844	5,657,455	2,795,056	49.4%
Richmond, City of	5012	1,924,282	0	1,370,858	0	3,295,140	2,293,121	69.6%
Rochester, City of	6307	8,523,791	689,165	15,438,800	80,562	24,732,318	15,797,824	63.9%
Rockford, City of	4103	3,621,850	1,072,692	5,794,197	0	10,488,739	6,731,103	64.2%
Rockwood, City of	5810	1,390,083	307,215	1,309,508	0	3,006,806	2,663,873	88.6%
Rogers City, City of	7102	2,934,206	465,227	8,864,200	7,690	12,271,323	11,294,652	92.0%
Romeo Dist Lib	5006	821,156	379,807	2,439,903	4,159	3,645,025	3,246,952	89.1%
Romeo, Vlg of	5005	3,381,050	54,311	6,224,211	0	9,659,572	5,497,457	56.9%
Romulus, City of	8225	10,845,258	1,577,243	43,304,089	112,003	55,838,593	23,152,354	41.5%
Roosevelt Park, City of	6107	2,491,333	680,728	3,810,905	0	6,982,966	3,643,505	52.2%
Roscommon Co	7201	11,220,319	2,295,534	17,206,397	28,286	30,750,536	21,856,530	71.1%
Roscommon Co Trans Auth	7205	967,907	0	2,299,192	0	3,267,099	2,721,786	83.3%
Rose City, City of	6504	291,451	18,409	437,384	2,073	749,317	596,172	79.6%
Rose Twp	6506	113,891	0	55,054	0	168,945	408,643	241.9%
Royal Oak, Chtr Twp of	6306	279,752	1,155	2,024,197	41,747	2,346,851	4,058,731	172.9%
Saginaw Chtr Twp	7314	5,987,718	592,189	16,116,298	35,518	22,731,723	20,973,088	92.3%
Saginaw Co	7303	3,435,721	2,499,403	143,684,435	9,382	149,628,941	113,744,801	76.0%
Saginaw Co 911 Com Ctr	7316	0	973,658	13,209,658	0	14,183,316	9,712,727	68.5%
Saginaw Co CMH	7318	1,765,932	823,755	15,503,254	156	18,093,097	10,382,669	57.4%
Saginaw CRC	7304	11,583,811	805,549	24,510,924	35,306	36,935,590	23,559,866	63.8%
Saginaw HC	7321	345,803	387,491	3,925,507	22,571	4,681,372	2,352,643	50.3%
Saginaw Trans Sys Auth	7319	941,403	522,332	1,348,817	0	2,812,552	2,801,938	99.6%
Saginaw, City of	7301	42,162,548	2,100,255	310,073,870	106,886	354,443,559	167,754,899	47.3%
Saginaw, Pub Lib of	7317	989,760	576,266	661,975	26,527	2,254,528	3,045,136	135.1%
Saginaw-Midland Muni Wtr Corp	7305	834,054	536,624	4,162,687	0	5,533,365	3,646,642	65.9%
Saline, City of	8105	10,799,702	544,227	18,863,247	0	30,207,176	18,941,020	62.7%
Sandusky Dist Lib	7404	244,332	0	44,154	0	288,486	283,807	98.4%
Sandusky, City of	7402	1,718,190	177,119	3,624,473	23,727	5,543,509	2,987,984	53.9%
Sanilac CRC	7410	4,977,215	0	4,623,751	158	9,601,124	7,821,776	81.5%
Saranac HC	3413	676,126	0	280,124	0	956,250	690,625	72.2%
Saugatuck Twp	0305	169,668	71,020	594,323	0	835,011	395,594	47.4%
Saugatuck Twp Fire Dist	0313	252,493	34,261	261,250	0	548,004	415,890	75.9%
Saugatuck, City of	0307	367,274	0	1,696,779	0	2,064,053	1,805,516	87.5%
Sault Ste. Marie HC	4906	576,215	0	1,885,780	17,491	2,479,486	2,252,959	90.9%
Sault Ste. Marie Tribe of Chippewa Indians	8404	648,670	9,580	68,699	7,519	734,468	720,744	98.1%
Sault Ste. Marie, City of	1701	11,033,078	401,232	21,825,892	56,945	33,317,147	20,932,490	62.8%
SCCMUA	1905	1,402,901	354,597	3,052,659	35,596	4,845,753	3,856,980	79.6%
Schoolcraft Co	7503	9,089,259	1,671,622	26,949,517	208,390	37,918,788	22,593,689	59.6%
Schoolcraft Co Trans Auth	7506	618,300	0	1,076,434	2,658	1,697,392	884,132	52.1%
Schoolcraft CRC	7501	2,296,743	762,172	13,143,009	0	16,201,924	7,779,660	48.0%
Schoolcraft Memorial Hosp	7505	5,106,407	3,623,798	16,330,930	15,984	25,077,119	20,482,820	81.7%
Scio Twp	8116	3,582,253	256,972	570,148	20,937	4,430,310	3,580,756	80.8%
Scottville, City of	5308	163,652	204,162	443,019	0	810,833	726,719	89.6%
SE Oakland Co Rsrc Rec Auth	6310	2,264,115	217,306	3,855,120	0	6,336,541	4,020,314	63.4%
SE Oakland Co Wtr Auth	6309	3,982,788	1,639	6,355,531	0	10,339,958	9,984,823	96.6%
Sebewaing, Vlg of	3205	2,285,421	354,347	5,753,674	53,927	8,447,369	8,656,022	102.5%
SEMCOG	8210	14,931,184	1,931,118	18,638,939	0	35,501,241	28,844,715	81.2%
Shepherd, Vlg of	3704	655,123	42,131	130,322	751	828,327	757,934	91.5%
Shiawassee Co	7602	34,323,007	9,294,101	84,081,126	173,206	127,871,440	83,137,114	65.0%
Shiawassee Council on Aging	7605	110,526	8,902	671,350	535	791,313	523,090	66.1%
Shiawassee CRC	7601	5,927,548	1,705,774	14,696,935	6,622	22,336,879	18,019,418	80.7%
Shiawassee Dist Lib	7606	1,372,350	53,233	771,955	11,284	2,208,822	2,162,229	97.9%
Shiawassee Hlth & Wellness	7609	8,065,587	3,483,219	7,017,396	0	18,566,202	14,695,732	79.2%
Sims Whitney Util Auth	0606	126,060	0	305,800	0	431,860	346,569	80.3%
SMART	8216	94,111,664	12,313,095	167,731,573	372,692	274,529,024	205,791,037	75.0%
South Haven Area ESA	8005	5,207,973	0	3,989,432	67,469	9,264,874	6,158,597	66.5%
South Haven, City of	8001	12,786,988	1,356,159	18,872,319	155,280	33,170,746	25,747,572	77.6%
South Lyon, City of	6315	8,717,994	1,107,393	8,755,412	18,607	18,599,406	12,243,784	65.8%
Southgate, City of	8262	10,108,941	308,310	21,338,350	0	31,755,601	19,531,700	61.5%
Sparta, Vlg of	4107	3,018,482	95,640	2,435,399	20,362	5,569,883	4,041,306	72.6%
Spring Lake Dist Lib	7016	957,686	11,538	1,561,869	3,025	2,534,118	2,265,645	89.4%
Spring Lake, Vlg of	7015	709,903	663,442	3,474,004	5,033	4,852,382	3,422,472	70.5%
Springfield, City of	1303	852,051	1,404,115	8,944,379	7,011	11,207,556	7,068,501	63.1%
St Charles, Vlg of	7308	1,025,699	91,884	3,625,348	0	4,742,931	2,923,452	61.6%
St Clair HC	7715	0	0	777,055	0	777,055	289,859	37.3%

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Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
St Clair Shores HC	5007	788,672	0	2,019,384	4,837	2,812,893	1,399,251	49.7%
St Clair, City of	7703	3,153,800	519,283	21,339,892	0	25,012,975	13,103,668	52.4%
St Ignace, City of	4904	3,689,424	64,303	10,207,076	604	13,961,407	7,473,420	53.5%
St Johns, City of	1902	3,859,333	76,442	14,362,520	101	18,298,396	9,930,895	54.3%
St Joseph Co	7803	17,317,006	2,972,315	31,277,929	56,728	51,623,978	43,905,154	85.0%
St Joseph Twp	1122	1,823,554	0	760,413	0	2,583,967	2,508,485	97.1%
St Louis HC	2908	986,473	0	251,568	0	1,238,041	1,077,412	87.0%
St Louis, City of	2902	1,667,533	191,798	6,011,855	529	7,871,715	6,452,441	82.0%
Stambaugh Twp	3615	156,629	0	40,243	0	196,872	119,821	60.9%
Standish, City of	0601	157,558	89,927	2,509,467	0	2,756,952	2,014,635	73.1%
Stanton, City of CLD	5903	0	0	53,504	0	53,504	104,953	196.2%
Stephenson, City of	5504	736,594	0	155,591	0	892,185	531,814	59.6%
Sterling, Vlg of	0605	232,425	0	37,799	0	270,224	372,085	137.7%
Stockbridge, Vlg of	3316	319,900	332,635	559,423	16,449	1,228,407	778,635	63.4%
Sturgis HC	7805	60,854	134,556	0	0	195,410	190,790	97.6%
Summit Twp	3803	7,694,635	649,821	8,882,427	0	17,226,883	10,345,253	60.1%
Sumpter Twp	8226	5,750,055	582,324	4,310,497	18,156	10,661,032	8,750,463	82.1%
Superior Chtr Twp	8109	3,539,475	26,972	5,493,439	27,305	9,087,191	5,884,873	64.8%
Superior Dist Lib	1702	394,064	0	617,113	3,322	1,014,499	1,373,163	135.4%
Superiorland Lib Coop	5208	0	25,094	1,027,600	0	1,052,694	800,430	76.0%
Suttons Bay Bingham Fire Auth	4506	1,665,923	35,732	265,373	189	1,967,217	1,175,328	59.7%
SW Mich Comm Amb Svcs	1119	1,904,235	451,066	1,082,741	37,587	3,475,629	3,083,912	88.7%
SW Shiawassee ESA	7611	1,346,659	64,235	185,620	3,429	1,599,943	1,390,389	86.9%
Swan Creek Twp	7309	161,127	0	685,342	471	846,940	604,925	71.4%
Swartz Creek, City of	2504	830,095	0	6,121,161	0	6,951,256	6,318,845	90.9%
Sylvan Lake, City of	6314	1,154,822	28,652	2,091,676	18,433	3,293,583	2,848,183	86.5%
Tawas Police Auth	3504	133,814	283,595	821,493	8,217	1,247,119	624,897	50.1%
Taylor HC	8231	369,443	0	442,750	12,939	825,132	757,879	91.8%
The Lib Network	8218	4,823,387	271,750	3,562,387	67,524	8,725,048	6,596,327	75.6%
Three Rivers, City of	7801	7,332,341	1,985,600	11,362,480	28,187	20,708,608	13,664,549	66.0%
Tittabawassee Twp	7322	2,441,832	0	1,522,408	2,496	3,966,736	3,842,404	96.9%
Traverse Area Dist Lib	2807	3,095,120	133,510	4,182,932	14,613	7,426,175	6,208,857	83.6%
Traverse City Light & Power	2811	6,884,928	514,907	25,818,599	0	33,218,434	21,605,519	65.0%
Traverse City, City of	2801	11,514,003	1,270,683	28,435,696	0	41,220,382	24,123,754	58.5%
Trenton, City of	8203	5,923,828	71,417	41,637,487	1,599	47,634,331	29,080,268	61.0%
Tri-County Aging Consortium	3307	4,724,921	1,197,467	5,218,419	0	11,140,807	9,524,874	85.5%
Trio Council on Aging Inc CLD	6507	0	30,679	272,324	0	303,003	306,114	101.0%
Tuscarora Twp	1604	1,656,617	135,063	1,126,417	4,279	2,922,376	1,947,150	66.6%
Tuscola Co	7902	16,723,544	2,404,030	20,015,510	199,982	39,343,066	35,524,140	90.3%
Tuscola Co CMH	7907	11,093,867	919,434	8,447,744	375,744	20,836,789	17,838,438	85.6%
Tuscola Co Hlth Dpt	7901	4,241,462	0	8,714,806	48,653	13,004,921	11,005,115	84.6%
Tuscola Co MCF	7906	10,926,593	925,039	7,521,629	467,790	19,841,051	17,885,955	90.1%
Tuscola CRC	7908	1,816,421	324,779	4,843,149	0	6,984,349	5,210,037	74.6%
Twin City Pub Safety Auth CLD	3610	0	26,125	72,147	0	98,272	115,803	117.8%
Ubly, Vlg of	3212	356,096	102,511	654,184	3,584	1,116,375	745,547	66.8%
Utica, City of	5008	2,452,021	0	3,591,056	17,074	6,060,151	3,869,693	63.9%
Van Buren Co	8006	18,751,566	2,388,165	22,885,723	395,579	44,421,033	29,196,912	65.7%
Van Buren Dist Lib	8007	965,039	149,788	1,200,363	17,602	2,332,792	2,091,727	89.7%
Van Buren Twp	8236	13,061,334	1,848,375	9,308,515	27,667	24,245,891	17,223,918	71.0%
Vassar, City of	7903	896,667	582,071	6,423,303	87	7,902,128	4,391,971	55.6%
Vevay Twp	3318	209,263	0	483,158	1,631	694,052	391,714	56.4%
Vicksburg Dist Lib	3904	0	1,395	152,152	0	153,547	84,157	54.8%
Vicksburg, Vlg of	3902	663,986	640,619	1,739,971	148	3,044,724	2,067,180	67.9%
Vienna, Chtr Twp of	2522	571,922	26,166	1,490,031	0	2,088,119	1,208,162	57.9%
W Iron Co Swr Auth	3612	340,826	25,190	715,746	0	1,081,762	587,535	54.3%
W Mich CMH Sys	5304	595,606	142,128	4,895,107	24,577	5,657,418	4,403,267	77.8%
W Mich Shoreline Rgnl Dev Comm	6110	1,348,811	138,358	2,984,887	0	4,472,056	4,612,669	103.1%
W UP Dist Hlth Dept	3101	1,671,737	2,289,676	11,416,526	6,159	15,384,098	9,587,734	62.3%
Wakefield, City of	2701	1,418,331	110,802	3,556,133	14,369	5,099,635	2,763,956	54.2%
Walker, City of	4112	8,638,683	517,281	17,234,883	0	26,390,847	18,370,260	69.6%
Walled Lake, City of	6324	4,689,715	1,863,943	10,406,497	59,543	17,019,698	5,228,554	30.7%
Washtenaw Co	8113	80,625,916	4,436,088	59,664,303	561,934	145,288,241	102,993,423	70.9%
Washtenaw CRC	8102	20,101,345	2,354,882	52,330,365	240,091	75,026,683	39,854,776	53.1%
Wayland, City of	0304	2,551,519	556,052	6,255,263	0	9,362,834	5,998,755	64.1%
Wayne HC	8252	275,852	0	693,504	0	969,356	659,053	68.0%
Wayne, City of	8242	17,377,830	4,737,104	100,178,968	113,258	122,407,160	68,631,655	56.1%
Webberville, Vlg of	3314	206,134	174,908	247,607	353	629,002	601,690	95.7%
West Branch Dist Lib	6509	276,328	0	194,435	14,915	485,678	463,827	95.5%
West Branch, City of	6505	1,462,349	217,638	4,941,628	29,351	6,650,966	3,997,998	60.1%
Westland,City of	8211	24,833,453	6,687,624	114,679,572	43,188	146,243,837	58,770,551	40.2%
Westphalia, Vlg of	1907	136,660	0	590,480	0	727,140	488,251	67.1%
Wexford Co	8302	10,997,899	2,852,372	19,000,981	66,615	32,917,867	21,235,684	64.5%
Wexford CRC	8303	6,139,811	615,289	10,079,789	11,375	16,846,264	15,837,089	94.0%
White Cloud Cmnty Lib	6208	446,646	4,298	99,708	0	550,652	479,415	87.1%
White Cloud, City of	6206	380,155	85,112	721,937	0	1,187,204	723,977	61.0%
White Cloud/Sherman Util	6211	262,495	0	298,769	0	561,264	324,663	57.8%
White Lake Chtr Twp	6325	15,812,705	1,340,020	19,094,054	110,740	36,357,519	25,131,859	69.1%
White Pigeon, Vlg of	7804	131,767	42,785	151,784	2,277	328,613	281,657	85.7%
White Pine Dist Lib	5904	71,382	0	197,063	0	268,445	144,258	53.7%
Whitehall, City of	6105	2,718,704	120,506	4,029,121	0	6,868,331	5,065,254	73.7%
Willard Pub Lib	1308	2,905,133	532,053	1,586,777	13,147	5,037,110	4,269,352	84.8%
Williamston, City of	3310	1,087,547	140,199	3,691,807	11,079	4,930,632	3,483,720	70.7%

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix B: Accrued Liabilities and Assets

		Actuarial Accrued Liability						
Municipality Name	Number	Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability	Actuarial Value of Assets[1]	Percent Funded
Wixom, City of	6316	9,564,673	1,416,142	29,288,871	16,500	40,286,186	38,420,425	95.4%
Wolverine Lake, Vlg of	6329	1,572,172	411,778	1,878,558	40,814	3,903,322	2,504,386	64.2%
WUPPDR	3108	162,692	67,839	1,251,735	0	1,482,266	1,439,242	97.1%
Ypsilanti Cmnty Util Auth	8106	19,784,428	1,895,256	38,930,630	29,047	60,639,361	35,821,084	59.1%
Ypsilanti HC	8115	133,371	156,064	708,909	11,384	1,009,728	966,712	95.7%
Ypsilanti, City of	8101	4,978,585	938,630	10,140,852	124,134	16,182,201	19,740,552	122.0%
Ypsilanti, Twp of	8104	11,035,121	1,107,836	12,503,396	113,874	24,760,227	17,496,904	70.7%
Totals - Active Groups	729	4,575,131,203	664,955,478	9,985,972,245	31,980,843	15,258,039,769	10,025,574,603	
Totals - Closed Groups	16	0	2,454,403	15,706,577	53,492	18,214,472	21,541,795	
Totals- MERS	745	4,575,131,203	667,409,881	10,001,678,822	32,034,335	15,276,254,241	10,047,116,398	

[1] *For Closed Employers the Actuarial Value of Assets is equal to the Market Value of Assets.*

Appendix C: Annual Employer Contribution Requirements

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment[1,2]	Total Employer Contribution[2]
21st Dist Ct	8243	48,336	103,896	152,232
23rd Jud Dist Ct	8223	20,400	113,208	133,608
26th Jud Cir Ct	0403	53,664	74,568	128,232
34th Dist Ct	8235	177,324	384,252	561,576
35th Dist Ct	8234	(19,812)	207,156	187,344
41 B Dist Ct	5014	105,984	268,464	374,448
Addison Fire Dept	4607	12,276	5,952	18,228
Adrian, City of	4601	321,276	1,913,364	2,255,352
Aitkin Memorial Dist Lib	7407	0	(7,416)	0
Albion, City of	1301	74,112	181,728	276,528
Alcona Co	0101	229,488	661,248	890,736
Alger Co	0203	178,860	450,636	631,632
Alger CRC	0201	122,124	337,284	459,408
Algonac, City of	7707	14,556	139,692	155,016
Allegan Co	0302	203,064	625,176	828,240
Allegan CRC	0301	158,640	977,172	1,135,812
Allegan, City of	0309	75,024	179,064	254,088
Alma, City of	2901	182,280	623,532	974,916
Almont, Vlg of	4407	39,180	62,208	101,388
Alpena Co	0401	310,476	803,412	1,113,888
Alpena CRC	0402	63,132	432,780	495,912
Alpena HC	0406	44,340	14,916	59,256
Alpena Sr Citizens Ctr	0404	0	127,968	127,968
Alpha, Vlg of	3614	600	(4,260)	0
Antrim Co	0502	803,160	1,248,888	2,052,048
Antrim CRC	0501	139,164	611,928	751,092
Arenac Co	0603	88,068	464,376	552,444
Arenac CRC	0604	23,556	383,472	407,532
Armada Twp	5022	26,196	(1,440)	24,756
Ash Twp	5804	23,916	33,396	57,312
Au Gres, City of	0602	5,796	95,160	100,956
Auburn, City of	0905	0	89,436	92,892
Bad Axe Area Dist Lib	3214	4,656	0	4,656
Bad Axe, City of	3211	54,912	287,940	342,852
Bancroft, Vlg of	7610	0	6,660	6,660
Bangor, City of	8003	13,860	(58,104)	0
Baraga Co	0702	141,324	191,196	332,520
Baraga Co Memorial Hosp	0703	104,388	877,824	982,212
Baraga CRC	0701	57,492	322,740	380,232
Baraga, Vlg of	0704	60,648	210,264	270,912
Baroda Lake Twp Police Dept	1109	30,840	15,492	46,332
Barry Co	0802	1,440,264	2,159,568	3,599,832
Barry Co CMH Auth	0804	304,092	237,600	541,692
Barry Eaton Dist Hlth Dept	2303	(28,188)	506,640	478,452
Barton Hills, Vlg of	8107	0	30,192	30,192
Bates Twp	3616	0	22,524	22,524
Bath Chtr Twp	1909	(20,004)	182,652	162,648
Battle Creek, City of	1302	1,441,656	5,541,312	6,998,232
Bay Area Trans Auth	2810	395,016	55,752	450,768
Bay City HC	0906	14,244	140,532	154,776
Bay City, City of	0901	100,404	980,568	1,086,696
Bay Metro Trans Auth	0907	238,788	606,312	845,100
Beecher Metro Dist Swg&Wtr	2501	35,208	447,468	482,676
Belding, City of	3410	24,936	107,172	132,252
Belleville, City of	8213	50,400	299,736	350,136
Benton Harbor, City of	1120	73,656	1,357,500	1,431,156
Benzie Co	1003	248,364	591,372	839,736
Benzie Co Comm on Aging CLD	1006	0	52,524	52,524
Benzie Co MCF (The Maples)	1004	290,580	181,728	472,308
Benzie CRC	1001	80,832	373,896	454,728
Benzie Shores Dist Lib	1005	0	2,316	2,316
Benzie Trans Auth	1007	16,908	(23,616)	0
Benzie/Leelanau Dist Hlth Dept	4504	12,960	72,876	85,836
Berkley, City of	6304	194,640	814,080	1,024,884
Berrien Springs, Vlg of	1102	35,268	33,504	68,772
Bessemer, City of	2702	59,868	70,488	130,356
Beverly Hills, Vlg of	6321	209,760	636,156	845,916
Big Rapids HC	5406	11,136	158,352	169,488
Big Rapids, City of	5402	25,620	882,720	908,340
Bingham Farms, Vlg of	6332	13,212	6,444	19,656
Birch Run, Vlg of	7315	16,152	25,188	41,340

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
Results by Municipality
Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment[1,2]	Total Employer Contribution[2]
Bishop Intl Arpt Auth	2507	143,160	238,176	381,336
Blackman Chtr Twp	3806	(67,368)	464,724	397,356
Blissfield, Vlg of	4606	128,472	52,020	180,492
Bloomfield Hills, City of	6302	234,936	1,056,456	1,291,392
Blue Water Area Trans Comm	7709	371,004	231,276	602,280
Boyne City HC	1508	17,220	49,632	66,852
Boyne City, City of	1506	35,172	459,072	494,244
Branch Co	1205	359,124	1,323,828	1,742,136
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	121,464	297,732	419,196
Brandon Chtr Twp of	6333	114,732	169,692	284,916
Breckenridge,Vlg of	2906	12,084	132,552	144,636
Bridgeport Chtr Twp	7307	113,736	278,988	392,724
Bridgman, City of	1110	53,856	57,120	110,976
Brighton Area Fire Auth	4715	0	12,048	12,048
Brighton, Chtr Twp of	4711	28,692	35,556	64,248
Brighton, City of	4704	177,360	744,432	921,792
Britton, Vlg of	4604	1,128	(29,148)	0
Bronson, City of	1204	(26,640)	79,020	52,380
Brooklyn, Vlg of	3801	28,512	36,648	65,160
Brownstown, Chtr Twp of	8247	360,732	846,984	1,207,716
Buchanan Dist Lib	1108	7,824	(5,340)	2,484
Buchanan, City of	1101	97,872	5,724	103,596
Buena Vista Chtr Twp	7312	173,184	377,688	550,872
Burton, City of	2508	(48,264)	2,573,448	2,550,744
Butman Twp CLD	2604	0	0	0
Cadillac, City of	8301	257,412	356,328	613,740
Cadillac/Wexford Trans Auth	8305	71,280	57,420	128,700
Calhoun Co	1311	1,306,716	2,279,892	3,586,608
Calhoun Co Conso Dispatch Auth	1316	46,872	120,348	167,220
Canton Pub Lib	8232	47,172	43,596	90,768
Canton, Chtr Twp of	8233	2,173,188	4,092,300	6,265,488
Capac, Vlg of	7705	4,740	160,656	165,396
Capital Area Dist Lib	3317	207,480	206,292	413,772
Capital Region Arprt Auth	3305	231,288	442,824	674,112
Carleton, Vlg of	5805	12,576	34,116	46,692
Carrollton Twp	7320	86,460	89,556	176,016
Cascade Chtr Twp	4110	41,676	221,220	262,896
Caseville, City of	3207	44,376	96,180	140,556
Caspian, City of	3608	11,616	60,564	72,180
Cass Co	1402	489,576	860,592	1,350,168
Cass Co MCF	1403	152,436	73,608	226,044
Cass Dist Lib	1404	22,788	1,980	24,768
Cedar Springs, City of	4105	24,564	72,144	96,708
Center Line, City of	5001	13,512	414,948	437,688
Central Lake, Vlg of	0504	18,684	1,164	19,848
Central Mich Dist Hlth Dept	3705	77,880	1,759,872	1,837,752
Charlevoix Co	1503	1,184,208	1,440,960	2,625,168
Charlevoix CRC	1501	182,364	247,296	429,660
Charlevoix, City of	1505	179,124	464,268	643,392
Charlotte Dist Lib	2309	14,772	25,332	40,104
Charlotte, City of	2301	192,804	858,528	1,055,640
Cheboygan Co	1603	574,380	826,764	1,401,144
Cheboygan CRC	1601	134,112	982,884	1,126,704
Cheboygan, City of	1602	97,248	383,832	481,080
Chelsea Area Fire Auth	8118	53,832	6,540	60,372
Chelsea, City of	8103	12,132	186,420	198,552
Chesaning, Vlg of	7313	(3,012)	230,868	232,812
Chesterfield Twp	5009	689,856	1,072,068	1,761,924
Chesterfield Twp Lib	5010	37,068	(7,776)	29,292
Chikaming Twp	1112	47,292	67,728	115,020
Chippewa Co	1703	586,896	1,361,760	1,976,220
Chippewa Co - Emplmt & Trng CLD	1710	0	0	0
Chippewa CRC	1704	335,868	901,536	1,237,404
Chippewa River Dist Lib	3707	58,116	74,388	132,504
Chocolay, Chtr Twp of	5218	31,092	8,712	39,804
Clare Co	1802	350,256	630,816	981,072
Clare Co Trans Auth	1806	17,124	8,352	25,476
Clare CRC	1801	108,096	459,564	567,660
Clare, City of	1804	101,676	312,756	414,432
Clawson, City of	6305	55,896	213,900	269,796
Clay Twp	7706	117,108	360,144	477,252

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Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment[1,2]	Total Employer Contribution[2]
Clearwater Twp	4005	5,904	4,248	10,152
Clinton Co	1903	533,160	447,636	980,796
Clinton CRC	1901	196,164	878,256	1,074,420
Clinton Twp	5002	668,004	2,730,948	3,442,704
Clinton, Vlg of	4602	33,804	23,244	57,048
Clinton-Eaton-Ingham CMH	3308	3,492,288	4,984,284	8,483,172
Clio, City of	2523	14,772	48,888	63,660
CMH for Central Mich	3708	2,317,092	1,068,024	3,385,116
Coldwater Brd of Pub Util	1203	65,148	861,516	926,664
Coldwater, City of	1201	36,516	690,132	726,648
Coleman, City of	5603	18,288	100,236	118,524
Coloma Chtr Twp	1107	29,304	81,348	110,652
Coloma, City of	1118	2,268	14,520	16,788
Columbiaville, Vlg of	4406	4,884	16,248	21,132
Constantine, Vlg of	7806	10,440	(5,172)	5,268
Coopersville Area Dist Lib	7011	1,488	13,980	16,548
Coopersville, City of	7005	60,372	87,084	147,456
Corunna City of	7604	53,472	156,924	210,396
Corwith Twp	6904	672	1,176	1,848
Covert Twp	8010	33,060	44,664	77,724
Crawford Co	2001	119,904	178,272	298,176
Crawford Co Trans Auth	2004	55,368	132,156	187,524
Crawford CRC	2002	128,688	526,740	655,428
Croswell, City of	7401	98,292	392,328	490,620
Crystal Falls Cmnty Hosp CLD	3618	0	153,372	153,372
Crystal Falls, City of	3603	65,640	411,408	477,048
Ctrl Dispatch of Muskegon Co	6109	105,432	158,172	263,604
Ctrl Wayne Co Sanitation Auth	8214	0	16,248	16,248
Davison Richfield Sr CCA	2525	3,048	12,264	15,312
Davison Twp	2519	23,844	355,008	378,852
Davison,City of	2516	124,572	624,492	749,064
Dearborn, City of	8251	2,061,660	109,080	2,170,740
Deerfield, Vlg of	4603	16,116	47,652	63,768
Delta Area Transit Auth	2107	11,964	1,956	13,920
Delta Chtr Twp	2306	28,320	394,632	422,952
Delta Co	2102	239,484	1,921,608	2,161,092
Delta CRC	2105	158,808	572,520	731,328
Delta-Menominee Dist Hlth Dept	2103	146,784	159,108	305,892
Detour, Vlg of	1706	23,508	27,648	51,156
Detroit HC	8241	302,712	125,640	443,112
DeWitt Chtr Twp	1910	73,176	207,708	280,884
DeWitt, City of	1908	53,652	195,192	248,844
Dexter Area Fire Dept	8219	33,648	46,260	79,908
Dexter Twp	8111	3,792	23,520	27,312
Dexter, City of	8217	23,796	138,204	162,000
Dickinson Co	2206	293,760	1,390,236	1,683,996
Dickinson CRC	2203	81,768	677,832	759,600
Dickinson-Iron Dist Hlth Dept	3605	75,144	663,492	738,636
Dimondale,Vlg of	2304	2,376	26,712	29,088
Dist Hlth Dept # 2	6501	20,928	139,872	160,800
Dist Hlth Dept # 4	7103	89,784	767,916	857,700
Dist Hlth Dept #10	5104	447,624	919,584	1,367,208
Douglas, City of Vlg of	0303	98,052	33,876	131,928
Dowagiac Dist Lib	1406	7,188	1,956	9,144
Dowagiac HC	1405	19,212	3,936	23,148
Dowagiac, City of	1401	143,592	954,504	1,098,096
Drummond Island Twp	1708	9,264	3,348	12,612
Dryden, Vlg of	4405	3,900	16,596	20,496
Dundee, Vlg of	5803	11,628	166,980	178,608
Durand, City of	7603	82,284	210,240	292,524
E UP Reg Planning & Dev Comm	1709	15,900	(14,172)	1,728
E UP Trans Auth	1705	145,284	589,812	735,096
East China Chtr Twp	7701	82,332	327,672	410,004
East Grand Rapids,City of	4101	27,816	1,789,608	1,817,424
East Jordan, City of	1504	76,536	165,840	242,376
East Lansing, City of	3301	1,848,120	7,996,116	9,844,236
Eastpointe HC	5011	16,992	19,668	36,660
Eastpointe, City of	5019	642,276	4,200,168	4,842,444
Eaton Co	2302	425,988	5,117,160	5,543,148
Eaton Co Hlth & Rehab Svcs	2305	394,548	102,168	496,716
Eaton Rapids, City of	2307	115,620	601,104	716,724

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Municipality Name	Number	Normal Cost	Amortization Payment[1,2]	Total Employer Contribution[2]
Eau Claire, Vlg of	1104	36	26,928	26,964
Ecorse, City of	8206	119,640	2,080,380	2,313,192
Elk Rapids, Vlg of	0506	51,492	66,648	118,140
Elkton, Vlg of	3206	540	(8,112)	5,664
Elsie, Vlg of CLD	1906	0	0	0
Emmet CRC	2401	66,324	994,752	1,061,076
Emmett, Chtr Twp	1310	(144)	127,968	127,824
Erie, Twp of	5812	10,860	1,188	12,048
Escanaba, City of	2101	128,280	2,198,412	2,326,692
Essexville, City of	0903	47,280	213,528	292,356
Evart Local Dev Finance Auth	6706	5,196	23,808	29,004
Evart, City of	6705	35,232	66,636	101,868
Farmington Cmnty Lib	6319	14,460	161,556	176,016
Farmington, City of	6343	380,088	634,308	1,064,592
Farwell, Vlg of	1805	9,492	15,564	25,056
Fenton, City of	2505	274,512	591,372	865,884
Ferndale HC	6345	8,556	34,476	43,032
Ferrysburg, City of	7106	17,160	79,776	96,936
Flat Rock, City of	8212	127,140	1,258,416	1,424,088
Flint Pub Lib	2518	77,460	(8,532)	68,928
Flint, Chtr Twp of	2512	192,120	1,251,948	1,444,068
Flint, City of	2530	1,141,188	31,933,824	33,148,584
Flushing, Chtr Twp of	2515	29,544	224,244	253,788
Flushing, City of	2502	73,548	866,340	939,888
Forsyth Twp	5212	99,948	331,020	435,924
Fowler, Vlg of	1904	13,248	11,904	25,152
Fowlerville Dist Lib	4710	15,576	18,000	33,576
Fowlerville, Vlg of	4705	9,876	48,864	58,740
Frankenmuth Wickson Dist Lib	7323	0	8,820	8,820
Frankenmuth, City of	7306	108,096	483,024	591,120
Frankfort, City of	1002	47,472	157,200	204,672
Franklin, Vlg of	6323	54,060	314,196	394,524
Fraser, City of	5003	462,912	2,486,340	2,985,588
Fremont Area Dist Lib	6209	21,996	34,728	56,724
Fremont, City of	6203	184,080	469,800	653,880
Gaastra, City of	3617	8,856	16,344	25,200
Garden City, City of	8255	517,548	3,554,448	4,071,996
Gaylord, City of	6903	168,696	561,972	730,668
Genesee Chtr Twp	2510	201,696	858,300	1,059,996
Genoa Twp	4713	22,728	7,704	30,432
Gerald R Ford Intl Arpt Auth	4116	642,324	(767,988)	322,812
Gladstone, City of	2106	33,096	1,217,088	1,250,184
Gladwin City HC	2608	39,840	100,872	140,712
Gladwin Co	2602	260,448	782,016	1,042,464
Gladwin Co Dist Lib	2607	21,276	28,956	50,232
Gladwin CRC	2601	71,760	439,836	511,596
Gladwin, City of	2605	50,760	38,808	90,360
Gogebic-Iron WWTR Auth	2703	34,992	113,628	148,620
Grand Beach, Vlg of	1117	23,280	2,844	26,124
Grand Blanc Chtr Twp	2511	152,292	1,116,792	1,269,084
Grand Blanc, City of	2513	113,028	205,212	318,240
Grand Haven, City of	7010	395,496	2,779,656	3,175,152
Grand Ledge Area Dist. Library	2316	5,424	192	5,616
Grand Ledge Area ESA	2310	51,480	38,196	89,676
Grand Ledge, City of	2312	29,148	141,048	170,196
Grand Rapids HC	4108	8,364	36,900	45,264
Grand Traverse Co	2803	240,012	5,262,600	5,569,524
Grand Traverse CRC	2802	7,020	114,144	121,164
Grand Traverse Pavilions	2809	836,748	858,696	1,695,444
Grandville, City of	4102	55,464	1,381,680	1,437,144
Gratiot Co	2905	138,420	244,680	383,100
Gratiot CRC	2903	213,924	570,360	784,284
Grayling, City of	2003	20,748	348,216	368,964
Green Oak Chtr Twp	4708	104,112	279,900	384,012
Greenville, City of	5906	(105,096)	182,028	76,932
Grosse Ile Twp	8207	431,724	1,262,016	1,693,740
Grosse Pointe Park, City of	8201	280,272	1,940,136	2,220,408
Grosse Pointe-Clinton Ref CLD	5004	0	0	0
Groveland Twp	6335	40,248	(51,012)	36,492
Hackley Pub Lib	6114	39,780	3,816	43,596
Hamburg Twp	4709	83,376	211,908	295,284

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Hamtramck HC	8250	113,172	69,336	182,508
Hamtramck, City of	8205	113,580	5,529,936	5,644,584
Hancock, City of	3107	75,156	156,552	231,708
Harbor Beach, City of	3201	72,540	275,484	348,024
Harbor Springs Area Swg Auth	2406	17,568	19,680	37,248
Harbor Springs, City of	2405	24,576	218,676	243,252
Harper Woods, City of	8260	216,792	2,905,164	3,121,956
Harrison Dist Lib	1807	0	9,528	9,528
Harrison, City of	1803	38,844	126,228	165,072
Hartland Deerfield Fire Auth	4716	26,568	360	26,928
Hastings, City of	0801	142,608	748,752	893,772
Hazel Park, City of	6336	373,920	3,360,972	3,748,284
Helen Newberry Joy Hosp	4805	24,480	1,050,024	1,074,504
Henika Dist Lib	0310	12,780	7,632	20,412
Herrick Dist Lib	7012	71,700	183,000	254,700
Hesperia, Vlg of	6214	11,832	(2,532)	9,300
Hiawatha Bhvrl Hlth	1707	45,048	846,672	891,720
Hillsdale Co	3005	(91,212)	275,532	184,320
Hillsdale CRC	3004	100,200	336,612	436,812
Hillsdale HC	3007	12,708	2,292	15,000
Hillsdale, City of	3001	199,968	403,344	726,840
Hlth Source of Saginaw	7311	328,860	1,451,568	1,794,624
Holland Area Cmnty Pool Auth	7014	30,336	22,044	52,380
Holland Cmnty Hosp CLD	7006	0	0	0
Holland, City of	7001	808,404	2,402,088	3,210,492
Holly, Vlg of	6317	188,328	625,572	913,140
Homer, Vlg of	1304	32,100	22,956	55,056
Houghton Co	3102	249,732	945,828	1,195,560
Houghton CRC	3103	77,904	141,204	219,108
Houghton Lake Pub Lib	7203	17,784	(240)	17,544
Houghton, City of	3109	157,068	119,208	276,276
Howard City, Vlg of	5902	2,472	25,908	31,416
Howard Twp	1106	6,012	3,552	9,564
Howell Area Fire Auth	4714	56,208	24,096	80,304
Howell, City of	4702	227,892	926,184	1,154,076
Howell-Carnegie Dist Lib	4707	46,764	32,412	79,176
Hudsonville, City of	7004	0	96,240	96,240
Huntington Woods, City of	6303	124,320	843,576	967,896
Hurley Med Ctr	2521	1,061,628	21,091,644	22,153,272
Huron Behavioral Health	3215	273,504	326,508	600,012
Huron Chtr Twp	8224	152,052	734,220	912,348
Huron Co	3204	1,259,880	2,566,908	3,826,788
Huron CRC	3202	170,700	755,256	925,956
Imlay City, City of	4404	92,016	274,680	366,696
Independence Twp	6328	83,544	456,000	539,544
Indianfields Twp CLD	7905	0	0	0
Ingham Co	3303	4,860,792	15,482,412	20,490,720
Interurban Trans Auth	0308	22,440	34,068	56,508
Ionia Cmnty Lib	3412	18,888	23,124	42,012
Ionia Co	3408	176,724	1,542,096	1,718,820
Ionia HC	3406	15,744	20,208	35,952
Ionia, City of	3403	322,284	1,028,700	1,350,984
Iosco Co	3501	340,656	1,163,880	1,504,536
Iosco CRC	3502	33,720	455,100	488,820
Iron Co	3606	481,176	899,496	1,380,672
Iron Co HC	3611	18,216	23,328	41,544
Iron CRC	3602	129,396	678,996	808,392
Iron Mountain, City of	2201	60,804	690,444	751,248
Iron Mountain-Kingsford Swg	2205	10,920	41,724	52,644
Iron River, City of	3601	54,204	395,220	449,424
Ironwood, City of	2706	174,384	788,172	962,556
Isabella Co	3703	289,884	1,958,484	2,274,720
Isabella Co Trans Comm	3709	23,472	36,516	59,988
Isabella CRC	3702	78,288	336,888	422,556
Ishpeming Area Joint Wwtr Trtm	5207	24,480	1,320	25,800
Ishpeming Twp	5216	24,780	21,312	46,092
Ishpeming, City of	5204	158,868	779,436	938,304
Ithaca, City of	2904	13,296	287,568	300,864
Jackson Dist Lib	3802	135,300	71,904	207,204
Jackson Trans Auth	3805	110,076	205,764	315,840
Jordan Valley Dist Lib	1507	4,548	2,004	6,552

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Jordan Valley EMS Auth	1509	15,456	14,496	29,952
Kalamazoo Lake Swr & Wtr Auth	0306	36,468	30,324	66,792
Kalamazoo Pub Lib	3903	394,668	99,240	493,908
Kalamazoo, Chtr Twp of	3907	43,740	322,404	366,144
Kalkaska Co	4003	337,740	610,812	948,552
Kalkaska CRC	4002	27,276	542,220	577,308
Kalkaska Pub Trans Auth	4004	43,860	45,384	89,244
Kalkaska, Vlg of	4001	41,556	278,220	319,776
Keego Harbor, City of	6322	19,740	218,688	240,384
Kent CRC	4111	0	(9,912)	0
Keweenaw Co	4202	80,028	83,964	163,992
Keweenaw CRC	4201	84,888	296,364	381,252
Kinde, Vlg of	3209	1,500	(1,572)	0
Kingsford, City of	2202	67,416	312,588	380,004
L.M.A.S. Dist Hlth Dept	4803	84,384	273,888	358,272
Lac Vieux Desert Band	8402	8,760	0	8,760
Laingsburg, City of	7608	13,560	8,736	22,296
Lake Co	4301	281,028	489,504	770,532
Lake CRC	4302	125,760	444,300	570,060
Lake Linden, Vlg of	3105	17,484	56,028	74,472
Lake Odessa, Vlg of	3402	11,256	9,420	20,676
Lake Orion, Vlg of	6318	10,248	232,128	242,376
Lakeland Lib Coop	4106	22,812	9,096	31,908
Lakeshore Coordinating Council CLD	7007	0	11,964	11,964
Lakeview Cemetery	2407	5,976	984	6,960
L'Anse, Vlg of	0705	117,900	326,148	444,048
Lansing Chtr Twp	3320	149,148	143,556	292,704
Lansing HC	3311	22,908	97,272	164,832
Lapeer Co	4403	2,688,000	1,845,576	4,533,576
Lapeer CRC	4402	119,568	500,136	620,076
Lapeer Dist Lib	4410	25,164	154,620	179,784
Lapeer, City of	4401	531,096	932,904	1,464,000
Lathrup Vlg, City of	6311	29,112	223,188	292,164
Laurium, Vlg of	3104	19,776	100,728	120,504
Lawrence, Vlg of	8004	0	2,460	5,292
Leelanau Co	4501	554,268	401,328	955,596
Leelanau CRC	4503	30,072	106,416	136,488
Leoni Twp	3804	8,952	244,368	253,320
Leslie Twp	3319	4,908	6,672	11,580
Leslie, City of	3313	34,848	63,300	98,148
Lexington, Vlg of	7708	15,816	119,712	138,732
Lima Twp	8112	14,928	(2,184)	12,744
Lincoln Park, City of	8244	173,724	2,971,908	3,145,632
Litchfield, City of	3006	27,708	70,356	98,064
Livingston Co	4703	2,108,376	3,707,748	5,816,124
Livingston Co CMH Auth	4712	247,476	452,940	700,416
Livingston CRC	4701	361,032	908,112	1,269,144
Looking Glass Rgnl Fire CLD	2311	0	0	0
Loutit Dist Lib	7013	58,356	56,148	114,504
Lowell, City of	4104	161,796	530,640	692,436
Luce Co	4804	92,520	334,296	427,572
Luce Co Amb Svs	4806	30,564	13,296	43,860
Luce CRC	4801	84,360	552,240	636,600
Ludington, City of	5302	215,832	610,104	825,936
Luna Pier, City of	5802	4,392	294,924	299,316
Lyons, Vlg of	3411	0	3,516	3,516
Mackinac Co	4901	110,892	1,075,608	1,186,500
Mackinac Co HC	4905	24	8,856	8,880
Mackinac CRC	4903	63,108	769,548	832,656
Mackinac Straits Hlth Sys	4902	1,041,792	714,192	1,758,096
Mackinaw City, Vlg of	1606	17,712	26,124	43,836
Madison Heights, City of	6308	136,548	371,208	507,756
Madison, Chtr Twp of	4605	46,860	41,796	88,656
Manistee Co	5101	597,780	1,506,096	2,254,920
Manistee CRC	5103	110,700	347,688	475,080
Manistee HC	5107	7,488	5,976	13,464
Manistee, City of	5105	239,676	478,836	718,512
Manistique, City of	7504	245,688	734,856	980,544
Manlius Twp	0311	3,216	17,148	20,364
Manton, City of	8304	11,748	102,552	114,300
Marenisco Twp	2704	15,600	14,952	30,552

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Marine City, City of CLD	7704	0	0	0
Marion, Vlg of	6704	5,664	5,352	12,240
Marlette, City of	7405	49,188	68,076	117,264
Marquette Brd of Light & Power	5209	114,588	1,581,312	1,696,824
Marquette Chtr Twp	5215	100,776	70,932	171,708
Marquette Co	5202	776,892	4,404,804	5,181,696
Marquette Co Solid Waste Mgmt	5213	83,436	27,612	111,048
Marquette Co Trans Auth	5206	75,888	64,956	140,844
Marquette CRC	5211	168,504	1,524,300	1,692,804
Marquette, City of	5201	660,804	3,098,376	3,759,180
Marshall Area Firefighters Amb	1313	27,180	5,700	32,880
Marshall Dist Lib	1309	0	12,252	12,252
Marshall, City of	1306	187,248	1,459,560	1,646,808
Mason Co	5301	872,016	2,162,136	3,034,152
Mason Co Dist Lib	5303	39,060	60,804	99,864
Mason CRC	5305	181,668	255,372	437,040
Mason, City of	3304	120,660	573,624	727,680
Mason-Oceana 911	6403	68,016	51,816	119,832
MBS Intl Arpt	0902	165,792	455,184	637,476
Meceola Central Dispatch	5405	14,808	69,588	84,396
Mecosta Co	5403	170,724	299,604	479,256
Mecosta Co General Hosp CLD	5404	0	0	0
Mecosta CRC	5401	75,528	160,116	235,644
Melvindale HC	8220	24,408	37,788	62,196
Melvindale, City of	8215	63,936	3,128,124	3,192,060
Menominee Co	5502	313,500	1,032,960	1,361,448
Menominee CRC	5503	25,584	269,676	295,260
Menominee, City of	5501	148,248	312,888	461,136
Meridian Chtr Twp	3315	571,728	2,431,872	3,003,600
MERS	2308	1,295,004	505,272	1,800,276
Metamora Twp	4409	31,140	13,764	44,904
Metro Police Auth of Genesee Co	2532	125,556	95,376	220,932
Mich Muni Risk Mgmt Auth	8237	36,384	(6,492)	29,892
Mich S Central Power Agcy	3002	0	15,936	23,592
Middleville, Vlg of	0803	19,884	52,500	72,384
Midland Co Central Disp Auth	5604	75,540	122,652	198,192
Midland CRC	5602	113,148	1,144,344	1,257,492
Midland, City of	5601	746,976	5,883,312	6,630,288
Mid-Mich Dist Hlth Dept	5901	214,524	248,388	462,912
Mid-Mich Lib League	8306	12,528	12,096	24,624
Mid-Peninsula Lib Coop CLD	3609	0	45,377	45,377
Milan Lib	5806	10,764	15,876	26,640
Milan, City of	5801	37,668	991,320	1,032,036
Milford, Vlg of	6313	146,976	337,416	484,392
Millington, Vlg of	7904	7,944	8,292	16,236
Missaukee Co	5702	120,360	191,808	312,168
MOA Solid Waste Mgmt Auth	6002	33,888	15,888	49,776
Monroe HC	5808	77,856	120,936	198,792
Montague, City of	6112	94,584	211,896	306,480
Montcalm Care Network	5909	0	(607,956)	0
Montcalm Co	5907	274,620	610,464	885,084
Montcalm CRC	5905	158,160	819,000	977,160
Montmorency Co	6001	199,704	488,568	699,408
Montrose, City of	2509	2,184	26,940	29,124
Mt. Morris Chtr Twp	2503	202,956	1,645,980	1,848,936
Mt. Pleasant, City of	3701	394,236	1,018,464	1,412,700
Muir, Vlg of	3405	0	6,468	6,468
Mundy, Chtr Twp of	2517	33,180	30,804	63,984
Munising, City of	0202	107,844	342,840	450,684
Muskegon Area Dist Lib	6117	111,216	31,260	142,476
Muskegon Chtr Twp	6108	96,252	792,072	888,324
Muskegon Co	6103	1,236,252	4,888,152	6,124,404
Muskegon CRC	6101	375,504	819,936	1,200,864
Muskegon HC	6113	28,380	21,372	49,752
Muskegon Heights HC	6115	33,840	51,684	85,524
Muskegon Heights, City of	6102	267,048	1,350,744	1,617,792
Muskegon, City of	6116	433,908	3,740,820	4,174,728
N Houghton Co Wtr&Swg Auth	3106	14,124	17,136	31,260
N Muskegon, City of	6104	31,296	236,868	268,164
Nashville, Vlg of	0807	18,024	7,392	25,416
Negaunee Twp	5217	3,048	4,272	7,320

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Negaunee, City of	5203	158,376	570,036	728,412
Network180	4109	189,048	736,932	925,980
New Baltimore, City of	5016	182,532	444,108	635,076
New Buffalo Twp	1121	15,168	1,896	17,064
New Buffalo, City of	1113	43,908	24,204	68,112
Newaygo CMH	6207	0	(9,984)	0
Newaygo Co	6201	36,084	839,532	875,616
Newaygo CRC	6212	142,764	231,636	374,400
Newaygo MCF	6204	105,300	78,120	185,532
Newaygo Soil & Wtr Cnsrvn Dist	6205	6,408	1,488	7,896
Newberry, Vlg of	4802	48,072	175,212	223,284
Niles Dist Lib	1105	15,660	20,916	36,576
Niles, City of	1115	331,080	777,840	1,108,920
Northern Lakes CMH Auth	2808	372	1,306,212	1,306,584
Northfield Twp	8117	47,328	27,552	74,880
Northpointe Bhvrl Hlth Sys	2207	143,124	261,084	410,136
Northville Chtr Twp	8230	1,056,732	435,456	1,492,188
Northville Dist Lib	8229	110,268	84,432	194,700
Northville, City of	8208	37,536	1,302,756	1,343,736
Norton Shores, City of	6106	495,360	2,061,264	2,556,624
Norway, City of	2204	117,120	1,196,328	1,313,448
Nottawaseppi Huron Band	8403	115,236	13,464	128,700
Novi, City of	6320	776,736	4,247,364	5,029,860
NW Mich Cmnty Hlth Agcy	1502	18,444	144,312	162,756
NW Rgnl Arpt Comm	2805	83,964	109,512	193,476
Oceana Co	6402	352,572	1,580,028	2,013,408
Oceola Twp	4717	27,696	6,492	34,188
Ogemaw Co	6502	154,152	1,526,916	1,681,068
Ogemaw Co Emerg Disp Auth	6510	19,080	79,488	98,568
Ogemaw Co EMS Auth	6508	162,744	88,932	251,676
Ogemaw CRC	6503	91,932	401,016	492,948
Olive Twp	7009	2,340	13,476	15,816
Onaway, City of	7105	(2,016)	13,020	11,004
Ontonagon Co	6602	158,076	306,552	465,072
Ontonagon Co Economic Dev Corp	6605	0	11,820	11,820
Ontonagon CRC	6604	302,328	1,229,172	1,531,500
Ontonagon, Vlg of	6603	41,664	579,420	621,084
Orchard Lake, City of	6312	19,464	141,612	161,076
Oronoko Chtr Twp	1114	22,992	69,516	92,508
Osceola Co	6701	360,468	384,000	744,468
Osceola CRC	6703	92,580	312,660	405,240
Oscoda Chtr Twp	3503	50,628	172,548	223,176
Oscoda Co	6801	240,120	310,536	550,656
Oscoda Co Lib	6803	3,300	(4,692)	0
Oscoda Wurtsmith Arpt Auth	6802	16,632	13,692	30,324
Otisville, Vlg of	2506	11,244	36,504	47,748
Otsego Co	6902	311,160	720,360	1,043,388
Otsego CRC	6901	103,800	512,796	616,596
Ottawa Co	7003	2,590,992	7,927,488	10,518,480
Ottawa Co Central Disp Auth	7008	6,048	34,500	41,280
Ottawa CRC	7002	261,960	1,955,952	2,219,988
Otter Lake, Vlg of	4408	0	5,616	5,616
Owosso, City of	7607	95,928	261,468	357,396
Oxford Fire Department	6327	112,296	229,536	341,832
Oxford, Vlg of	6326	37,812	122,172	159,984
Parchment, City of	3901	9,000	101,304	110,304
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	49,188	4,137,240	4,186,428
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	13,188	49,452	62,640
Paw Paw, Vlg of	8002	92,676	249,708	342,468
Pellston, Vlg of	2404	5,328	11,676	17,004
Pennfield Chtr Twp	1312	37,464	82,632	120,096
Pentwater, Vlg of	6401	37,800	56,988	94,788
Perrinton, Vlg of	2909	5,064	1,764	6,828
Petersburg, City of	5807	20,004	5,136	25,140
Petoskey, City of	2402	357,876	512,772	870,648
Pewamo, Vlg of	3407	6,468	7,044	13,512
Pigeon, Vlg of	3203	17,244	33,312	50,556
Pinckney, Vlg of	4706	73,020	57,180	130,200
Pinconning, City of	0904	6,528	88,944	95,472
Pittsfield Chtr Twp	8110	702,816	1,139,208	1,889,904
Pleasant Ridge, City of	6301	61,248	267,000	328,248

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Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment[1,2]	Total Employer Contribution[2]
Plymouth Dist Lib	8221	115,896	124,104	240,000
Plymouth, Chtr Twp of	8238	179,412	1,290,732	1,470,144
Plymouth, City of	8202	0	1,165,260	1,220,952
Pokagon Band of Potawatomi	8401	2,336,616	18,552	2,355,168
Port Austin Area Swr&Wtr Auth	3210	0	(9,912)	0
Port Austin, Vlg of	3208	4,644	18,792	23,436
Port Huron Chtr Twp	7711	55,128	99,912	155,040
Port Huron HC	7712	115,464	222,744	340,848
Port Huron, City of	7702	1,040,868	6,397,848	7,563,912
Port Sanilac, Vlg of	7403	7,476	52,056	59,532
Port Sheldon Twp	7018	25,380	2,028	27,408
Portland, City of	3401	154,872	460,056	614,928
Potterville, City of	2313	23,676	26,496	50,172
Presque Isle Co	7104	201,060	451,620	652,680
Presque Isle CRC	7101	81,540	406,380	487,920
PRIDE Youth Programs CLD	6210	0	26,832	26,832
Ravenna, Vlg of	6111	2,952	10,908	13,860
Reading, City of	3003	11,628	7,248	18,876
Redford Twp Dist Lib	8228	37,644	61,188	98,832
Redford, Chtr Twp of	8209	458,148	1,980,108	2,438,256
Reed City, City of	6702	100,140	246,852	346,992
Richfield Twp (Genesee Co)	2514	33,528	209,988	243,516
Richfield Twp (Roscommon Co)	7202	39,108	101,244	140,352
Richland Twp	7310	38,748	224,184	262,932
Richmond, City of	5012	(19,656)	78,324	58,668
Rochester, City of	6307	190,668	907,224	1,097,892
Rockford, City of	4103	166,188	314,256	480,444
Rockwood, City of	5810	64,512	24,096	92,640
Rogers City, City of	7102	41,508	85,836	127,344
Romeo Dist Lib	5006	14,208	181,032	195,240
Romeo, Vlg of	5005	115,812	327,372	443,184
Romulus, City of	8225	170,700	2,853,240	3,095,340
Roosevelt Park, City of	6107	56,112	357,636	413,748
Roscommon Co	7201	278,316	994,608	1,272,924
Roscommon Co Trans Auth	7205	49,608	41,172	90,780
Rose City, City of	6504	12,660	12,072	24,732
Rose Twp	6506	6,108	(29,928)	0
Royal Oak, Chtr Twp of	6306	11,820	(222,708)	0
Saginaw Chtr Twp	7314	89,544	168,912	288,996
Saginaw Co	7303	33,468	5,426,316	5,459,784
Saginaw Co 911 Com Ctr	7316	0	1,254,720	1,254,720
Saginaw Co CMH	7318	15,072	730,788	745,860
Saginaw CRC	7304	223,164	1,055,664	1,281,840
Saginaw HC	7321	22,572	200,280	222,852
Saginaw Trans Sys Auth	7319	142,716	408	143,124
Saginaw, City of	7301	1,358,412	17,395,308	18,811,248
Saginaw, Pub Lib of	7317	65,064	(95,772)	0
Saginaw-Midland Muni Wtr Corp	7305	10,644	195,600	206,244
Saline, City of	8105	228,540	1,466,364	1,694,904
Sandusky Dist Lib	7404	2,940	372	3,312
Sandusky, City of	7402	75,696	198,696	274,392
Sanilac CRC	7410	87,348	140,184	227,532
Saranac HC	3413	6,420	20,340	26,760
Saugatuck Twp	0305	10,656	33,828	44,484
Saugatuck Twp Fire Dist	0313	33,840	10,332	44,172
Saugatuck, City of	0307	44,124	19,920	64,044
Sault Ste. Marie HC	4906	34,848	22,236	57,084
Sault Ste. Marie Tribe of Chippewa Indians	8404	152,580	1,452	154,032
Sault Ste. Marie, City of	1701	180,888	971,952	1,152,840
SCCMUA	1905	27,228	111,432	138,660
Schoolcraft Co	7503	380,844	1,195,788	1,600,812
Schoolcraft Co Trans Auth	7506	32,340	63,648	95,988
Schoolcraft CRC	7501	124,860	649,212	774,072
Schoolcraft Memorial Hosp	7505	50,580	1,193,712	1,244,292
Scio Twp	8116	77,808	78,168	155,976
Scottville, City of	5308	20,184	6,264	26,448
SE Oakland Co Rsrc Rec Auth	6310	71,856	181,116	252,972
SE Oakland Co Wtr Auth	6309	77,796	26,628	104,424
Sebewaing, Vlg of	3205	47,544	(70,296)	110,748
SEMCOG	8210	502,776	563,976	1,066,752
Shepherd, Vlg of	3704	14,664	6,912	21,576

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Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment[1,2]	Total Employer Contribution[2]
Shiawassee Co	7602	1,109,748	4,399,140	5,516,916
Shiawassee Council on Aging	7605	4,884	20,796	25,680
Shiawassee CRC	7601	92,688	424,212	517,032
Shiawassee Dist Lib	7606	17,976	5,604	23,580
Shiawassee Hlth & Wellness	7609	586,080	312,384	898,464
Sims Whitney Util Auth	0606	12,996	11,508	24,504
SMART	8216	2,813,628	6,987,636	9,801,264
South Haven Area ESA	8005	56,112	307,032	363,144
South Haven, City of	8001	427,920	594,060	1,051,776
South Lyon, City of	6315	209,004	497,520	706,524
Southgate, City of	8262	60,288	1,116,828	1,177,116
Sparta, Vlg of	4107	45,888	118,296	164,184
Spring Lake Dist Lib	7016	30,204	35,292	65,496
Spring Lake, Vlg of	7015	8,964	138,792	156,864
Springfield, City of	1303	36,540	377,232	416,436
St Charles, Vlg of	7308	46,488	175,260	221,748
St Clair HC	7715	0	54,588	54,588
St Clair Shores HC	5007	31,524	109,608	141,132
St Clair, City of	7703	87,588	950,472	1,038,060
St Ignace, City of	4904	134,124	506,760	640,884
St Johns, City of	1902	84,300	1,116,300	1,200,600
St Joseph Co	7803	503,544	605,172	1,124,016
St Joseph Twp	1122	56,928	7,356	64,284
St Louis HC	2908	11,136	20,040	31,176
St Louis, City of	2902	13,380	328,236	341,616
Stambaugh Twp	3615	1,956	5,988	7,944
Standish, City of	0601	3,468	51,996	55,464
Stanton, City of CLD	5903	0	0	0
Stephenson, City of	5504	12,192	31,776	43,968
Sterling, Vlg of	0605	10,884	(12,708)	0
Stockbridge, Vlg of	3316	10,560	35,196	45,756
Sturgis HC	7805	2,508	684	3,192
Summit Twp	3803	213,204	544,812	758,016
Sumpter Twp	8226	137,952	181,464	321,564
Superior Chtr Twp	8109	146,784	249,744	396,528
Superior Dist Lib	1702	23,268	(46,656)	0
Superiorland Lib Coop	5208	0	34,308	34,308
Suttons Bay Bingham Fire Auth	4506	46,152	62,064	108,216
SW Mich Comm Amb Svcs	1119	13,764	29,892	43,656
SW Shiawassee ESA	7611	51,972	19,992	71,964
Swan Creek Twp	7309	9,192	19,008	28,200
Swartz Creek, City of	2504	2,460	86,328	88,788
Sylvan Lake, City of	6314	13,176	35,772	48,948
Tawas Police Auth	3504	24	56,148	56,172
Taylor HC	8231	10,224	7,548	17,772
The Lib Network	8218	60,372	246,192	306,564
Three Rivers, City of	7801	225,336	553,704	779,040
Tittabawassee Twp	7322	72,324	44,388	116,712
Traverse Area Dist Lib	2807	1,092	101,604	102,696
Traverse City Light & Power	2811	290,244	2,183,532	2,473,776
Traverse City, City of	2801	554,940	1,330,368	1,885,308
Trenton, City of	8203	48,396	4,419,816	4,468,212
Tri-County Aging Consortium	3307	377,652	142,836	520,488
Trio Council on Aging Inc CLD	6507	0	12,036	12,036
Tuscarora Twp	1604	69,744	76,440	146,184
Tuscola Co	7902	301,272	437,328	738,600
Tuscola Co CMH	7907	312,372	660,396	972,768
Tuscola Co Hlth Dpt	7901	71,868	158,604	230,472
Tuscola Co MCF	7906	213,768	153,288	367,056
Tuscola CRC	7908	52,860	139,644	192,504
Twin City Pub Safety Auth CLD	3610	0	2,124	2,124
Ubly, Vlg of	3212	3,168	29,112	32,280
Utica, City of	5008	56,472	167,604	224,076
Van Buren Co	8006	611,664	1,196,268	1,807,932
Van Buren Dist Lib	8007	23,316	44,808	68,124
Van Buren Twp	8236	72,096	549,864	621,960
Vassar, City of	7903	19,356	396,120	415,476
Vevay Twp	3318	4,176	30,180	34,356
Vicksburg Dist Lib	3904	0	8,904	8,904
Vicksburg, Vlg of	3902	27,852	76,356	104,208
Vienna, Chtr Twp of	2522	7,956	68,196	76,152

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Appendix C: Annual Employer Contribution Requirements

Municipality Name	Number	Normal Cost	Amortization Payment[1,2]	Total Employer Contribution[2]
W Iron Co Swr Auth	3612	16,800	37,488	54,288
W Mich CMH Sys	5304	6,420	203,364	209,784
W Mich Shoreline Rgnl Dev Comm	6110	27,576	(51,948)	0
W UP Dist Hlth Dept	3101	43,620	849,444	893,064
Wakefield, City of	2701	40,392	179,964	220,356
Walker, City of	4112	144,060	1,988,424	2,132,484
Walled Lake, City of	6324	91,428	948,840	1,040,268
Washtenaw Co	8113	2,190,084	3,308,124	5,502,528
Washtenaw CRC	8102	314,652	2,798,580	3,113,232
Wayland, City of	0304	175,488	265,920	441,408
Wayne HC	8252	24,972	24,252	49,224
Wayne, City of	8242	469,548	6,691,212	7,234,500
Webberville, Vlg of	3314	11,388	2,688	14,076
West Branch Dist Lib	6509	9,876	2,028	11,904
West Branch, City of	6505	34,116	218,148	252,264
Westland,City of	8211	501,420	7,837,320	8,517,372
Westphalia, Vlg of	1907	4,428	20,100	24,528
Wexford Co	8302	405,336	910,368	1,315,704
Wexford CRC	8303	119,544	77,364	196,908
White Cloud Cmnty Lib	6208	11,760	5,460	17,220
White Cloud, City of	6206	42,888	39,312	82,200
White Cloud/Sherman Util	6211	13,512	18,660	32,172
White Lake Chtr Twp	6325	367,092	876,360	1,243,452
White Pigeon, Vlg of	7804	9,492	3,744	13,236
White Pine Dist Lib	5904	576	16,140	16,716
Whitehall, City of	6105	86,484	141,888	228,372
Willard Pub Lib	1308	117,540	62,040	179,580
Williamston, City of	3310	56,904	143,076	199,980
Wixom, City of	6316	173,616	221,748	395,364
Wolverine Lake, Vlg of	6329	(6,960)	125,976	119,016
WUPPDR	3108	19,836	25,512	45,348
Ypsilanti Cmnty Util Auth	8106	381,828	1,925,472	2,307,300
Ypsilanti HC	8115	12,300	19,836	32,136
Ypsilanti, City of	8101	151,884	(483,180)	77,700
Ypsilanti, Twp of	8104	208,356	580,764	789,120
Totals - Active Groups	729	126,097,752	490,228,752	621,033,720
Totals - Closed Groups	16	0	251,705	251,705
Totals- MERS	745	126,097,752	490,480,457	621,285,425

[1] *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.*

[2] *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.*

Appendix D: Risk Measures

Municipal Employees' Retirement System of Michigan - As of December 31, 2019
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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 Retires and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
21st Dist Ct	8243	4.6	7.8	1.3	10.7	-1.6%
23rd Jud Dist Ct	8223	8.3	12.5	0.8	12.7	-5.1%
26th Jud Cir Ct	0403	5.5	7.1	0.6	12.2	-5.1%
34th Dist Ct	8235	4.1	7.2	2.1	12.8	-0.8%
35th Dist Ct	8234	4.6	6.9	0.9	7.6	27.4%
41 B Dist Ct	5014	4.9	7.2	0.9	11.0	-5.1%
Addison Fire Dept	4607	3.5	4.3	N/A	N/A	3.9%
Adrian, City of	4601	6.9	11.1	0.7	8.9	-5.6%
Aitkin Memorial Dist Lib	7407	N/A	N/A	N/A	N/A	0.0%
Albion, City of	1301	14.8	17.4	0.2	10.5	-8.6%
Alcona Co	0101	5.9	9.5	0.6	10.8	-3.5%
Alger Co	0203	5.7	8.9	0.8	11.9	-2.2%
Alger CRC	0201	4.2	6.9	0.7	9.4	-2.8%
Algonac, City of	7707	22.4	29.3	0.2	12.4	-2.8%
Allegan Co	0302	17.3	18.9	0.2	14.2	-6.1%
Allegan CRC	0301	6.2	8.7	0.7	9.0	7.3%
Allegan, City of	0309	7.4	11.0	0.9	15.5	-1.8%
Alma, City of	2901	5.7	7.8	0.9	11.7	-2.8%
Almont, Vlg of	4407	3.0	4.1	1.9	18.6	-0.7%
Alpena Co	0401	3.6	6.2	0.7	9.2	-3.6%
Alpena CRC	0402	14.7	19.9	0.3	10.6	0.6%
Alpena HC	0406	7.3	7.9	2.0	36.7	-1.3%
Alpena Sr Citizens Ctr	0404	N/A	N/A	0.0	1.2	34.0%
Alpha, Vlg of	3614	8.4	4.4	N/A	N/A	0.0%
Antrim Co	0502	3.1	4.3	1.2	17.2	-0.2%
Antrim CRC	0501	5.2	9.9	0.8	9.5	1.0%
Arenac Co	0603	8.1	11.3	0.4	13.6	-2.3%
Arenac CRC	0604	3.2	7.8	0.5	5.3	2.4%
Armada Twp	5022	0.2	0.2	N/A	53.0	74.8%
Ash Twp	5804	2.6	4.6	2.5	12.5	11.3%
Au Gres, City of	0602	30.6	45.8	0.1	7.1	-6.2%
Auburn, City of	0905	342.9	737.6	0.1	5.3	-8.1%
Bad Axe Area Dist Lib	3214	3.6	3.7	N/A	N/A	4.9%
Bad Axe, City of	3211	4.8	8.3	0.9	9.1	-0.3%
Bancroft, Vlg of	7610	N/A	N/A	0.0	3.4	-12.1%
Bangor, City of	8003	11.0	8.6	0.5	16.0	-6.7%
Baraga Co	0702	3.8	5.6	0.9	13.1	-2.1%
Baraga Co Memorial Hosp	0703	9.0	11.6	0.3	11.7	-2.0%
Baraga CRC	0701	4.6	8.1	0.6	7.5	6.3%
Baraga, Vlg of	0704	3.3	8.6	0.8	5.7	-0.4%
Baroda Lake Twp Police Dept	1109	1.3	1.8	5.0	38.5	8.7%
Barry Co	0802	3.5	4.5	1.7	17.2	-0.1%
Barry Co CMH Auth	0804	3.1	3.8	6.1	25.3	1.5%
Barry Eaton Dist Hlth Dept	2303	7.0	10.0	0.5	11.1	-5.0%
Barton Hills, Vlg of	8107	10.8	14.5	1.0	25.5	-0.9%
Bates Twp	3616	N/A	N/A	0.0	4.0	-12.1%
Bath Chtr Twp	1909	4.6	6.1	2.0	20.0	1.1%
Battle Creek, City of	1302	4.4	8.1	0.8	7.9	-5.4%
Bay Area Trans Auth	2810	1.8	1.9	2.0	21.9	5.1%
Bay City HC	0906	49.3	56.5	0.1	11.8	-8.2%
Bay City, City of	0901	38.8	49.6	0.1	9.3	-0.7%
Bay Metro Trans Auth	0907	3.4	5.5	1.2	13.0	2.8%
Beecher Metro Dist Swg&Wtr	2501	15.3	22.7	0.4	12.4	-2.0%
Belding, City of	3410	3.6	7.5	1.0	6.4	-4.7%
Belleville, City of	8213	6.9	12.9	0.6	9.1	-3.2%
Benton Harbor, City of	1120	5.1	14.3	0.6	4.5	-7.5%
Benzie Co	1003	3.3	5.1	1.0	12.2	-1.1%
Benzie Co Comm on Aging CLD	1006	N/A	N/A	0.0	8.7	-6.6%
Benzie Co MCF (The Maples)	1004	1.6	2.1	1.9	12.3	-1.2%
Benzie CRC	1001	2.8	6.1	0.7	5.3	11.2%
Benzie Shores Dist Lib	1005	N/A	N/A	0.0	10.2	-9.9%
Benzie Trans Auth	1007	3.4	2.8	1.3	52.6	4.5%
Benzie/Leelanau Dist Hlth Dept	4504	7.2	10.3	0.7	14.2	-0.7%
Berkley, City of	6304	5.4	10.5	0.5	6.5	-4.0%
Berrien Springs, Vlg of	1102	3.1	3.9	0.9	12.6	-4.4%
Bessemer, City of	2702	3.1	4.6	1.2	14.9	-1.1%
Beverly Hills, Vlg of	6321	14.6	18.6	0.3	12.7	-5.4%
Big Rapids HC	5406	11.1	15.0	0.4	18.2	4.8%
Big Rapids, City of	5402	18.6	30.6	0.2	7.9	-6.1%
Bingham Farms, Vlg of	6332	1.9	2.3	2.0	16.3	-2.7%
Birch Run, Vlg of	7315	2.9	3.3	3.5	25.8	2.7%
Bishop Intl Arpt Auth	2507	6.3	8.3	1.3	28.3	3.1%

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Municipality Name	Number	Ratio of Market Value of Assets to Total Payroll	Actuarial Accrued Liability to Total Payroll	Actives to Retires and Beneficiaries	Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
Blackman Chtr Twp	3806	3.1	5.1	2.7	17.4	6.6%
Blissfield, Vlg of	4606	3.4	3.9	2.2	18.7	-2.2%
Bloomfield Hills, City of	6302	16.5	21.6	0.5	12.3	-5.9%
Blue Water Area Trans Comm	7709	3.1	4.2	2.3	30.5	2.4%
Boyne City HC	1508	5.4	7.6	0.8	11.2	22.1%
Boyne City, City of	1506	13.0	16.1	0.2	12.6	-1.9%
Branch Co	1205	5.2	5.4	1.6	21.5	-1.6%
Branch-Hillsdale-St Joseph Comm Hlth Agcy	1202	9.2	11.3	0.5	14.5	-1.9%
Brandon Chtr Twp of	6333	3.6	5.0	1.6	15.3	-1.8%
Breckenridge,Vlg of	2906	2.6	7.1	0.9	4.8	-4.8%
Bridgeport Chtr Twp	7307	3.8	6.0	0.8	11.2	-3.4%
Bridgman, City of	1110	1.6	2.4	2.0	13.5	-0.6%
Brighton Area Fire Auth	4715	N/A	N/A	0.0	20.5	-3.7%
Brighton, Chtr Twp of	4711	4.0	4.1	1.0	21.6	10.8%
Brighton, City of	4704	4.8	7.9	0.9	11.1	-2.4%
Britton, Vlg of	4604	7.5	4.4	N/A	N/A	1.8%
Bronson, City of	1204	2.8	3.9	1.7	15.7	0.2%
Brooklyn, Vlg of	3801	2.1	3.3	2.3	8.3	-4.3%
Brownstown, Chtr Twp of	8247	5.5	7.9	3.3	27.3	1.4%
Buchanan Dist Lib	1108	2.4	2.1	5.0	115.3	3.4%
Buchanan, City of	1101	5.5	5.4	0.8	17.7	-3.0%
Buena Vista Chtr Twp	7312	5.5	8.7	1.0	10.4	-4.4%
Burton, City of	2508	6.6	14.1	0.8	7.6	-0.6%
Butman Twp CLD	2604	N/A	N/A	0.0	13.9	-7.6%
Cadillac, City of	8301	4.5	6.2	0.8	12.9	-4.2%
Cadillac/Wexford Trans Auth	8305	3.1	4.2	1.1	12.9	6.7%
Calhoun Co	1311	3.1	4.1	1.8	14.9	-0.2%
Calhoun Co Conso Dispatch Auth	1316	11.3	13.1	0.9	20.2	-3.1%
Canton Pub Lib	8232	5.3	5.8	1.1	13.4	-4.3%
Canton, Chtr Twp of	8233	3.4	5.0	2.3	12.0	9.2%
Capac, Vlg of	7705	12.9	41.4	0.1	3.8	-2.3%
Capital Area Dist Lib	3317	2.9	3.7	2.2	26.4	2.4%
Capital Region Arprt Auth	3305	6.6	7.9	1.0	14.2	7.5%
Carleton, Vlg of	5805	4.2	5.9	1.4	16.9	-2.3%
Carrollton Twp	7320	4.4	5.8	2.2	21.7	0.9%
Cascade Chtr Twp	4110	5.5	7.4	1.0	18.0	-2.5%
Caseville, City of	3207	4.3	6.3	1.4	15.8	0.1%
Caspian, City of	3608	5.6	11.3	0.3	7.1	-3.9%
Cass Co	1402	3.2	4.5	1.5	15.0	-0.5%
Cass Co MCF	1403	1.4	1.6	1.9	12.4	-1.6%
Cass Dist Lib	1404	2.6	2.7	1.6	25.3	-0.8%
Cedar Springs, City of	4105	6.6	8.4	0.5	10.7	-6.8%
Center Line, City of	5001	6.9	15.6	0.3	5.3	-9.2%
Central Lake, Vlg of	0504	1.5	1.6	N/A	N/A	7.1%
Central Mich Dist Hlth Dept	3705	12.1	18.6	0.2	10.0	-2.5%
Charlevoix Co	1503	3.8	5.3	1.2	14.5	0.4%
Charlevoix CRC	1501	4.4	5.6	0.9	13.3	4.5%
Charlevoix, City of	1505	3.0	4.8	1.2	9.3	-0.7%
Charlotte Dist Lib	2309	3.0	5.0	1.0	7.0	1.8%
Charlotte, City of	2301	4.5	8.7	0.6	7.5	-6.8%
Cheboygan Co	1603	3.6	5.3	1.3	13.4	-2.0%
Cheboygan CRC	1601	7.8	17.3	0.5	7.6	-1.2%
Cheboygan, City of	1602	4.8	8.3	0.8	9.2	-5.5%
Chelsea Area Fire Auth	8118	1.6	1.7	11.0	49.0	7.3%
Chelsea, City of	8103	52.4	66.6	0.1	9.8	-2.3%
Chesaning, Vlg of	7313	1.7	6.2	0.9	3.8	12.8%
Chesterfield Twp	5009	3.6	5.1	1.7	16.1	-1.1%
Chesterfield Twp Lib	5010	4.7	4.7	2.0	21.7	-2.5%
Chikaming Twp	1112	1.8	2.7	2.6	12.0	-0.7%
Chippewa Co	1703	4.1	6.4	0.9	11.3	-3.2%
Chippewa Co - Emplmt & Trng CLD	1710	N/A	N/A	0.0	13.8	-7.6%
Chippewa CRC	1704	2.8	6.0	0.7	6.8	-4.2%
Chippewa River Dist Lib	3707	4.0	5.1	1.8	17.1	2.8%
Chocolay, Chtr Twp of	5218	2.8	2.9	1.6	17.0	-1.3%
Clare Co	1802	3.2	4.7	1.6	14.0	-1.4%
Clare Co Trans Auth	1806	1.5	2.1	3.0	28.2	5.8%
Clare CRC	1801	5.3	7.7	0.7	10.0	-1.2%
Clare, City of	1804	4.2	7.2	1.1	11.1	-2.6%
Clawson, City of	6305	39.7	42.8	0.1	12.0	-8.3%
Clay Twp	7706	3.3	5.6	1.2	12.4	-1.1%
Clearwater Twp	4005	2.6	4.1	1.0	8.3	-2.9%
Clinton Co	1903	11.1	11.3	0.5	18.8	-1.4%

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Clinton CRC	1901	6.8	10.0	0.8	11.9	5.1%
Clinton Twp	5002	5.3	8.7	0.8	9.4	1.4%
Clinton, Vlg of	4602	6.0	6.4	0.9	16.2	-1.2%
Clinton-Eaton-Ingham CMH	3308	3.4	4.9	1.6	13.3	-0.1%
Clio, City of	2523	2.6	3.7	1.9	14.7	-0.8%
CMH for Central Mich	3708	3.6	4.4	1.4	16.5	3.4%
Coldwater Brd of Pub Util	1203	10.4	17.9	0.3	8.3	-0.2%
Coldwater, City of	1201	15.3	21.6	0.2	9.3	-5.4%
Coleman, City of	5603	6.1	10.1	0.8	11.7	-2.7%
Coloma Chtr Twp	1107	2.9	3.6	3.5	20.1	25.2%
Coloma, City of	1118	3.9	4.7	3.0	35.9	0.3%
Columbiaville, Vlg of	4406	2.4	3.5	1.0	16.1	-1.6%
Constantine, Vlg of	7806	1.2	0.8	N/A	N/A	7.1%
Coopersville Area Dist Lib	7011	7.8	10.7	0.3	12.1	11.9%
Coopersville, City of	7005	2.7	3.9	0.9	10.3	-4.0%
Corunna City of	7604	7.1	9.4	0.8	12.5	3.9%
Corwith Twp	6904	1.9	2.1	N/A	N/A	6.6%
Covert Twp	8010	2.0	2.7	7.0	25.5	3.1%
Crawford Co	2001	14.1	14.9	0.3	15.5	-5.8%
Crawford Co Trans Auth	2004	7.8	10.6	0.8	13.6	-1.0%
Crawford CRC	2002	3.0	7.2	0.9	7.3	3.9%
Croswell, City of	7401	4.0	7.2	1.1	10.8	1.2%
Crystal Falls Cmnty Hosp CLD	3618	N/A	N/A	0.0	11.9	-7.4%
Crystal Falls, City of	3603	6.3	11.1	0.6	9.5	-4.1%
Ctrl Dispatch of Muskegon Co	6109	3.2	4.3	1.3	12.5	-3.5%
Ctrl Wayne Co Sanitation Auth	8214	N/A	N/A	0.0	6.6	-6.4%
Davison Richfield Sr CCA	2525	3.7	6.6	1.0	6.2	-1.3%
Davison Twp	2519	5.5	7.4	2.6	22.7	4.9%
Davison,City of	2516	7.2	15.3	0.8	8.6	-2.4%
Dearborn, City of	8251	1.4	1.5	N/A	3,033.2	17.8%
Deerfield, Vlg of	4603	5.4	8.7	0.8	7.6	-9.6%
Delta Area Transit Auth	2107	1.3	1.7	N/A	N/A	18.3%
Delta Chtr Twp	2306	4.7	6.6	2.1	16.2	-1.9%
Delta Co	2102	15.7	23.3	0.3	11.7	-4.3%
Delta CRC	2105	4.1	7.7	0.8	8.2	-4.8%
Delta-Menominee Dist Hlth Dept	2103	7.3	8.7	0.9	19.9	-2.0%
Detour, Vlg of	1706	1.2	2.9	1.6	8.4	3.1%
Detroit HC	8241	3.9	4.2	2.1	29.6	1.8%
DeWitt Chtr Twp	1910	4.7	7.3	1.6	14.7	-0.7%
DeWitt, City of	1908	3.5	6.2	0.9	10.1	2.8%
Dexter Area Fire Dept	8219	2.3	3.2	2.7	29.3	8.0%
Dexter Twp	8111	4.8	4.8	1.0	19.1	32.3%
Dexter, City of	8217	6.6	7.9	0.8	19.8	-0.1%
Dickinson Co	2206	6.7	11.9	0.7	10.5	-2.9%
Dickinson CRC	2203	5.7	12.1	0.4	6.9	-1.7%
Dickinson-Iron Dist Hlth Dept	3605	7.3	11.4	0.3	9.7	-1.3%
Dimondale,Vlg of	2304	18.4	26.1	0.2	9.6	-6.1%
Dist Hlth Dept # 2	6501	18.0	22.6	0.2	10.5	-1.3%
Dist Hlth Dept # 4	7103	7.7	13.9	0.6	8.4	-6.7%
Dist Hlth Dept #10	5104	2.8	4.7	1.1	7.8	-3.8%
Douglas, City of Vlg of	0303	4.6	5.1	0.8	22.2	-2.0%
Dowagiac Dist Lib	1406	1.1	1.3	1.5	14.5	4.3%
Dowagiac HC	1405	1.2	1.4	2.5	13.9	-3.9%
Dowagiac, City of	1401	5.2	10.9	0.5	7.8	-4.4%
Drummond Island Twp	1708	3.2	3.9	2.0	103.6	3.8%
Dryden, Vlg of	4405	6.1	11.2	0.3	7.2	-8.9%
Dundee, Vlg of	5803	5.4	9.4	0.6	8.0	-0.6%
Durand, City of	7603	4.7	7.7	0.9	10.4	-4.3%
E UP Reg Planning & Dev Comm	1709	2.1	1.6	N/A	N/A	8.7%
E UP Trans Auth	1705	4.8	11.5	0.7	7.0	-3.9%
East China Chtr Twp	7701	5.7	10.4	0.8	8.0	-6.3%
East Grand Rapids,City of	4101	28.1	58.7	0.1	5.4	-4.3%
East Jordan, City of	1504	3.8	6.1	0.8	10.1	-3.6%
East Lansing, City of	3301	6.4	12.3	0.7	7.9	-1.6%
Eastpointe HC	5011	3.0	3.7	3.0	55.6	3.3%
Eastpointe, City of	5019	5.5	11.2	0.5	6.8	-4.3%
Eaton Co	2302	5.7	9.5	1.1	10.1	-3.9%
Eaton Co Hlth & Rehab Svcs	2305	1.5	1.6	3.7	21.4	1.0%
Eaton Rapids, City of	2307	4.8	8.8	0.9	8.5	-5.5%
Eau Claire, Vlg of	1104	3.7	10.4	0.5	4.8	-5.6%
Ecorse, City of	8206	11.2	26.9	0.2	4.7	-2.0%
Elk Rapids, Vlg of	0506	2.1	2.9	3.5	15.1	2.2%

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Elkton, Vlg of	3206	14.7	14.8	0.1	11.0	-2.5%
Elsie, Vlg of CLD	1906	N/A	N/A	0.0	16.2	-6.6%
Emmet CRC	2401	18.9	28.5	0.2	10.4	-0.5%
Emmett, Chtr Twp	1310	3.5	4.7	1.5	21.1	0.7%
Erie, Twp of	5812	1.1	1.2	N/A	41.1	13.5%
Escanaba, City of	2101	15.8	25.9	0.2	8.8	-4.5%
Essexville, City of	0903	6.9	10.9	0.5	8.5	-5.8%
Evart Local Dev Finance Auth	6706	7.3	16.0	0.5	6.6	-3.4%
Evart, City of	6705	3.3	4.9	0.9	10.9	-4.8%
Farmington Cmnty Lib	6319	31.1	35.8	0.2	11.9	-5.8%
Farmington, City of	6343	6.7	9.3	0.7	11.6	-5.2%
Farwell, Vlg of	1805	2.0	3.1	2.5	10.0	-3.3%
Fenton, City of	2505	3.9	6.2	1.0	12.1	1.6%
Ferndale HC	6345	2.7	4.3	5.0	43.6	3.3%
Ferrysburg, City of	7106	4.7	7.0	0.5	14.3	-0.2%
Flat Rock, City of	8212	3.7	8.6	0.9	6.4	-7.0%
Flint Pub Lib	2518	2.2	2.2	5.0	65.1	0.1%
Flint, Chtr Twp of	2512	5.0	8.7	1.4	10.4	-3.0%
Flint, City of	2530	6.9	24.5	0.3	3.1	-16.3%
Flushing, Chtr Twp of	2515	8.7	15.2	0.6	9.8	-5.3%
Flushing, City of	2502	11.8	23.5	0.3	8.6	-1.6%
Forsyth Twp	5212	4.3	7.9	1.0	8.9	4.3%
Fowler, Vlg of	1904	2.4	3.3	3.0	41.5	6.9%
Fowlerville Dist Lib	4710	2.1	3.0	3.0	10.6	-4.9%
Fowlerville, Vlg of	4705	25.8	29.9	0.2	15.1	-4.6%
Frankenmuth Wickson Dist Lib	7323	N/A	N/A	0.0	10.2	-7.6%
Frankenmuth, City of	7306	5.6	8.8	1.1	11.6	-4.7%
Frankfort, City of	1002	2.5	5.0	0.8	9.0	-2.2%
Franklin, Vlg of	6323	5.5	10.7	0.8	8.8	-3.9%
Fraser, City of	5003	7.7	14.7	0.5	8.4	0.7%
Fremont Area Dist Lib	6209	4.8	7.2	0.8	13.5	-3.0%
Fremont, City of	6203	5.1	8.7	0.9	11.2	4.8%
Gaastra, City of	3617	1.7	3.4	2.0	12.8	0.5%
Garden City, City of	8255	9.0	15.9	0.6	8.5	-6.0%
Gaylord, City of	6903	5.2	9.0	0.9	9.5	0.4%
Genesee Chtr Twp	2510	5.8	12.5	0.7	8.3	-3.1%
Genoa Twp	4713	1.9	2.3	N/A	N/A	6.7%
Gerald R Ford Intl Arpt Auth	4116	3.8	3.0	6.7	81.4	0.8%
Gladstone, City of	2106	16.0	31.1	0.2	6.9	-0.1%
Gladwin City HC	2608	4.7	6.9	1.0	9.5	-3.4%
Gladwin Co	2602	4.2	6.8	0.9	12.3	-2.8%
Gladwin Co Dist Lib	2607	4.7	6.5	1.2	14.0	-3.7%
Gladwin CRC	2601	7.4	11.5	0.7	10.0	2.1%
Gladwin, City of	2605	4.5	5.8	2.0	23.9	0.6%
Gogebic-Iron WWTR Auth	2703	6.7	10.7	0.9	13.4	-3.3%
Grand Beach, Vlg of	1117	1.4	1.5	7.0	60.8	5.3%
Grand Blanc Chtr Twp	2511	5.2	8.0	2.2	18.9	3.0%
Grand Blanc, City of	2513	8.5	9.6	1.0	14.8	-5.6%
Grand Haven, City of	7010	8.4	11.8	0.7	13.1	-3.7%
Grand Ledge Area Dist. Library	2316	0.5	0.5	N/A	N/A	21.6%
Grand Ledge Area ESA	2310	2.7	3.5	2.5	36.0	2.1%
Grand Ledge, City of	2312	3.9	6.4	1.4	8.5	-2.7%
Grand Rapids HC	4108	16.3	21.2	0.2	12.8	3.3%
Grand Traverse Co	2803	19.7	36.8	0.2	7.4	0.6%
Grand Traverse CRC	2802	82.2	91.8	0.0	8.9	-11.3%
Grand Traverse Pavilions	2809	2.2	3.0	1.5	18.2	0.7%
Grandville, City of	4102	14.8	26.9	0.2	7.0	-5.3%
Gratiot Co	2905	18.7	20.3	0.3	16.6	-5.6%
Gratiot CRC	2903	7.0	11.2	0.6	10.5	4.6%
Grayling, City of	2003	14.1	23.7	0.1	7.3	-3.4%
Green Oak Chtr Twp	4708	2.7	4.1	3.1	21.6	4.5%
Greenville, City of	5906	4.2	6.2	1.4	11.1	-2.9%
Grosse Ile Twp	8207	6.7	11.6	1.0	11.9	-2.9%
Grosse Pointe Park, City of	8201	5.6	10.8	0.7	8.1	-4.6%
Grosse Pointe-Clinton Ref CLD	5004	N/A	N/A	0.0	12.2	-6.9%
Groveland Twp	6335	5.6	4.7	1.2	20.0	-3.0%
Hackley Pub Lib	6114	0.9	1.0	N/A	N/A	13.6%
Hamburg Twp	4709	3.3	4.8	2.3	19.0	9.1%
Hamtramck HC	8250	3.3	4.4	2.5	38.9	4.0%
Hamtramck, City of	8205	8.6	21.7	0.4	5.0	-8.0%
Hancock, City of	3107	3.6	6.2	1.7	11.0	-2.1%
Harbor Beach, City of	3201	5.6	8.5	1.0	13.5	-2.8%

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Harbor Springs Area Swg Auth	2406	2.9	3.6	1.8	20.2	-0.4%
Harbor Springs, City of	2405	2.8	4.6	1.7	12.6	0.3%
Harper Woods, City of	8260	6.2	15.6	0.5	5.2	-7.4%
Harrison Dist Lib	1807	N/A	N/A	0.0	6.8	-10.4%
Harrison, City of	1803	6.4	10.7	0.7	10.1	-5.2%
Hartland Deerfield Fire Auth	4716	4.5	4.5	N/A	N/A	4.9%
Hastings, City of	0801	3.4	7.7	0.7	6.1	-8.1%
Hazel Park, City of	6336	5.2	12.5	0.6	5.4	-8.6%
Helen Newberry Joy Hosp	4805	25.6	38.7	0.1	8.4	-5.6%
Henika Dist Lib	0310	4.2	5.0	1.5	11.8	-8.5%
Herrick Dist Lib	7012	5.8	7.7	0.4	11.3	-3.8%
Hesperia, Vlg of	6214	0.7	0.6	N/A	N/A	19.9%
Hiawatha Bhvrl Hlth	1707	25.8	35.5	0.1	11.9	-4.4%
Hillsdale Co	3005	3.2	5.3	1.6	12.4	-0.1%
Hillsdale CRC	3004	3.8	5.8	1.0	11.6	-0.1%
Hillsdale HC	3007	1.8	2.0	1.0	11.9	-4.6%
Hillsdale, City of	3001	5.6	7.4	0.8	12.6	-4.1%
Hlth Source of Saginaw	7311	7.9	9.7	0.3	12.8	-2.0%
Holland Area Cmnty Pool Auth	7014	3.2	3.6	0.9	34.0	6.1%
Holland Cmnty Hosp CLD	7006	N/A	N/A	0.0	9.2	-10.7%
Holland, City of	7001	11.2	12.8	0.4	14.3	-5.4%
Holly, Vlg of	6317	5.2	11.3	0.7	7.5	-3.6%
Homer, Vlg of	1304	4.8	5.9	0.6	14.2	-4.5%
Houghton Co	3102	6.1	9.4	0.6	10.4	-3.6%
Houghton CRC	3103	7.2	11.2	0.9	11.4	0.2%
Houghton Lake Pub Lib	7203	3.1	3.3	2.3	15.7	-5.0%
Houghton, City of	3109	2.8	3.5	4.7	34.5	3.5%
Howard City, Vlg of	5902	19.2	20.9	0.3	15.9	-0.9%
Howard Twp	1106	2.3	3.1	2.0	29.4	1.9%
Howell Area Fire Auth	4714	3.4	4.1	3.5	21.1	-1.0%
Howell, City of	4702	4.6	8.0	0.7	9.9	-2.0%
Howell-Carnegie Dist Lib	4707	2.8	3.6	2.4	19.7	-2.3%
Hudsonville, City of	7004	N/A	N/A	0.0	9.8	-1.2%
Huntington Woods, City of	6303	9.4	15.5	0.4	8.8	-1.0%
Hurley Med Ctr	2521	3.5	5.3	1.0	9.8	-5.5%
Huron Behavioral Health	3215	5.5	6.7	1.4	22.0	-1.6%
Huron Chtr Twp	8224	6.0	9.2	1.5	14.9	2.4%
Huron Co	3204	4.9	7.5	1.0	12.1	-3.0%
Huron CRC	3202	7.5	9.8	1.0	14.8	6.0%
Imlay City, City of	4404	4.2	6.6	0.8	10.7	-0.5%
Independence Twp	6328	4.0	6.3	1.8	14.4	-0.7%
Indianfields Twp CLD	7905	N/A	N/A	0.0	16.8	-6.4%
Ingham Co	3303	4.2	7.0	0.9	10.1	-4.2%
Interurban Trans Auth	0308	4.2	5.8	1.5	11.0	-6.2%
Ionia Cmnty Lib	3412	2.1	3.5	1.3	9.5	-3.3%
Ionia Co	3408	3.8	7.0	1.1	33.4	90.4%
Ionia HC	3406	5.8	7.4	2.0	15.2	-0.1%
Ionia, City of	3403	4.2	7.9	0.8	10.7	9.1%
Iosco Co	3501	4.9	7.0	0.7	12.2	-3.6%
Iosco CRC	3502	10.6	14.9	0.4	11.3	-0.4%
Iron Co	3606	3.9	4.4	1.3	17.4	-0.7%
Iron Co HC	3611	3.2	4.4	1.3	115.6	4.2%
Iron CRC	3602	5.0	11.0	0.5	6.5	3.7%
Iron Mountain, City of	2201	4.1	12.6	0.4	4.2	-7.6%
Iron Mountain-Kingsford Swg	2205	3.9	5.8	5.0	34.6	2.9%
Iron River, City of	3601	9.7	18.8	0.3	7.9	-7.9%
Ironwood, City of	2706	5.2	10.1	0.5	7.7	-0.5%
Isabella Co	3703	12.1	16.3	0.4	13.0	-4.1%
Isabella Co Trans Comm	3709	3.7	4.5	2.3	16.0	0.8%
Isabella CRC	3702	6.4	8.9	0.8	15.3	2.1%
Ishpeming Area Joint Wwtr Trtm	5207	6.0	6.1	1.2	20.9	-0.8%
Ishpeming Twp	5216	5.1	6.0	1.2	14.6	-4.5%
Ishpeming, City of	5204	5.7	12.5	0.7	7.4	-2.8%
Ithaca, City of	2904	24.5	40.1	0.1	7.3	0.3%
Jackson Dist Lib	3802	3.3	3.7	1.2	17.7	-3.6%
Jackson Trans Auth	3805	3.7	5.1	1.6	16.0	-2.5%
Jordan Valley Dist Lib	1507	4.1	4.5	1.0	45.0	-0.5%
Jordan Valley EMS Auth	1509	1.9	2.9	3.0	41.4	7.4%
Kalamazoo Lake Swr & Wtr Auth	0306	2.3	3.3	1.1	8.9	-6.1%
Kalamazoo Pub Lib	3903	2.2	2.6	4.7	37.7	6.4%
Kalamazoo, Chtr Twp of	3907	5.9	8.1	1.6	15.4	-3.1%
Kalkaska Co	4003	4.4	6.7	1.1	11.1	-4.6%

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Kalkaska CRC	4002	11.8	36.6	0.1	4.2	-10.5%
Kalkaska Pub Trans Auth	4004	6.1	7.7	0.8	13.7	-2.3%
Kalkaska, Vlg of	4001	5.2	12.3	0.6	6.1	-7.4%
Keego Harbor, City of	6322	7.0	15.7	0.3	6.2	-7.6%
Kent CRC	4111	N/A	N/A	0.0	5.4	-17.6%
Keweenaw Co	4202	3.3	4.5	1.6	16.5	-0.3%
Keweenaw CRC	4201	4.3	8.9	0.7	6.9	-2.5%
Kinde, Vlg of	3209	6.8	6.5	1.0	15.9	-3.3%
Kingsford, City of	2202	5.7	9.6	0.8	10.9	-4.2%
L.M.A.S. Dist Hlth Dept	4803	5.6	8.0	0.2	11.1	-6.6%
Lac Vieux Desert Band	8402	3.8	3.8	1.5	30.7	-0.2%
Laingsburg, City of	7608	3.4	4.0	2.0	23.9	-0.6%
Lake Co	4301	3.6	5.1	1.0	14.6	-0.1%
Lake CRC	4302	3.9	7.9	0.7	6.7	-2.3%
Lake Linden, Vlg of	3105	3.7	7.8	0.5	6.5	-6.3%
Lake Odessa, Vlg of	3402	3.2	4.0	1.0	13.7	-1.3%
Lake Orion, Vlg of	6318	15.4	23.4	0.2	9.2	-6.0%
Lakeland Lib Coop	4106	3.0	3.3	2.3	25.2	-0.7%
Lakeshore Coordinating Council CLD	7007	N/A	N/A	0.0	11.3	-9.2%
Lakeview Cemetery	2407	1.9	2.1	N/A	N/A	7.5%
L'Anse, Vlg of	0705	3.5	7.6	0.9	7.2	-1.1%
Lansing Chtr Twp	3320	3.4	4.1	3.2	19.5	-1.1%
Lansing HC	3311	7.4	8.8	0.6	10.4	-8.2%
Lapeer Co	4403	3.5	4.3	1.8	17.8	-0.1%
Lapeer CRC	4402	5.0	7.4	0.9	12.0	7.1%
Lapeer Dist Lib	4410	4.5	7.4	1.0	8.5	-5.3%
Lapeer, City of	4401	5.1	7.2	1.0	14.5	0.8%
Lathrup Vlg, City of	6311	13.7	18.6	0.2	10.1	-6.6%
Laurium, Vlg of	3104	3.9	6.7	0.9	11.8	-0.5%
Lawrence, Vlg of	8004	N/A	N/A	0.0	8.1	-7.2%
Leelanau Co	4501	4.4	5.3	1.3	17.0	-1.7%
Leelanau CRC	4503	11.2	12.9	0.4	14.4	2.1%
Leoni Twp	3804	18.5	26.7	0.2	10.2	-2.1%
Leslie Twp	3319	4.5	5.3	1.5	77.1	4.1%
Leslie, City of	3313	2.7	4.2	1.6	11.5	-3.2%
Lexington, Vlg of	7708	7.3	13.0	0.6	10.2	-4.5%
Lima Twp	8112	4.3	4.3	1.5	15.8	-4.1%
Lincoln Park, City of	8244	2.9	14.0	0.5	2.3	-12.5%
Litchfield, City of	3006	3.4	5.2	1.5	12.8	0.4%
Livingston Co	4703	4.1	5.6	1.3	16.2	-1.1%
Livingston Co CMH Auth	4712	5.3	6.6	0.9	17.1	-3.4%
Livingston CRC	4701	4.8	6.4	1.0	13.5	-2.6%
Looking Glass Rgnl Fire CLD	2311	N/A	N/A	0.0	23.3	-4.7%
Loutit Dist Lib	7013	4.0	5.2	1.5	20.3	-0.1%
Lowell, City of	4104	4.1	7.0	0.9	10.6	-3.1%
Luce Co	4804	5.5	10.3	0.5	10.2	-2.2%
Luce Co Amb Svs	4806	2.3	2.8	N/A	N/A	9.3%
Luce CRC	4801	4.9	12.5	0.6	5.3	-1.3%
Ludington, City of	5302	6.0	9.6	0.7	9.8	-4.4%
Luna Pier, City of	5802	22.2	53.4	0.2	5.5	-8.7%
Lyons, Vlg of	3411	N/A	N/A	0.0	8.7	-11.4%
Mackinac Co	4901	16.1	23.4	0.3	11.7	-2.5%
Mackinac Co HC	4905	14.2	18.8	0.5	11.4	-7.3%
Mackinac CRC	4903	11.8	21.4	0.3	8.4	3.8%
Mackinac Straits Hlth Sys	4902	1.9	2.6	2.2	16.3	3.6%
Mackinaw City, Vlg of	1606	3.1	3.9	7.0	46.1	4.7%
Madison Heights, City of	6308	20.6	22.0	0.2	13.0	-7.2%
Madison, Chtr Twp of	4605	1.4	1.9	2.8	10.7	0.2%
Manistee Co	5101	4.4	6.4	0.9	11.9	-3.7%
Manistee CRC	5103	6.3	9.9	0.7	10.0	-3.5%
Manistee HC	5107	2.1	2.4	1.8	19.1	0.0%
Manistee, City of	5105	5.2	7.2	0.9	12.4	-4.6%
Manistique, City of	7504	4.9	11.2	0.7	7.6	-3.0%
Manlius Twp	0311	7.0	10.0	1.3	12.5	-5.9%
Manton, City of	8304	3.4	10.3	0.5	3.8	-8.2%
Marenisco Twp	2704	2.6	3.8	1.5	14.9	-1.2%
Marine City, City of CLD	7704	N/A	N/A	0.0	12.9	-8.1%
Marion, Vlg of	6704	3.2	3.8	0.8	12.5	-4.3%
Marlette, City of	7405	3.2	4.9	2.5	12.9	-0.8%
Marquette Brd of Light & Power	5209	13.1	17.8	0.3	9.9	0.0%
Marquette Chtr Twp	5215	2.3	3.0	3.1	34.9	3.1%
Marquette Co	5202	7.0	10.6	0.8	10.4	-5.0%

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Marquette Co Solid Waste Mgmt	5213	2.9	3.2	3.0	29.0	0.5%
Marquette Co Trans Auth	5206	3.1	3.8	1.1	12.4	-5.2%
Marquette CRC	5211	4.9	10.3	0.7	8.1	3.3%
Marquette, City of	5201	6.6	11.2	0.8	11.4	-0.9%
Marshall Area Firefighters Amb	1313	1.8	1.9	N/A	38.8	3.5%
Marshall Dist Lib	1309	N/A	N/A	0.0	1.6	17.4%
Marshall, City of	1306	7.5	12.8	0.5	8.7	-5.8%
Mason Co	5301	8.1	11.6	0.5	12.7	-1.6%
Mason Co Dist Lib	5303	6.5	9.3	0.7	12.0	-5.2%
Mason CRC	5305	3.3	5.0	1.2	12.9	2.5%
Mason, City of	3304	5.7	9.0	1.2	11.7	-2.7%
Mason-Oceana 911	6403	3.7	4.7	2.3	29.7	1.3%
MBS Intl Arpt	0902	5.3	9.7	1.1	10.1	-2.6%
Meceola Central Dispatch	5405	4.1	5.4	1.3	19.9	-1.0%
Mecosta Co	5403	20.5	21.9	0.3	16.7	-4.4%
Mecosta Co General Hosp CLD	5404	N/A	N/A	0.0	13.9	-6.6%
Mecosta CRC	5401	5.6	6.8	0.6	11.0	-2.7%
Melvindale HC	8220	4.1	4.6	1.2	11.6	26.3%
Melvindale, City of	8215	20.1	57.3	0.1	4.6	-8.8%
Menominee Co	5502	6.3	9.7	0.5	13.6	-2.8%
Menominee CRC	5503	13.5	20.6	0.3	10.9	0.0%
Menominee, City of	5501	5.7	8.4	0.6	12.9	-4.4%
Meridian Chtr Twp	3315	7.0	11.5	1.1	12.7	2.0%
MERS	2308	3.5	3.3	2.7	39.6	5.6%
Metamora Twp	4409	4.1	4.8	1.3	21.2	-2.2%
Metro Police Auth of Genesee Co	2532	5.1	5.8	1.5	22.0	-1.9%
Mich Muni Risk Mgmt Auth	8237	5.8	5.7	N/A	N/A	2.5%
Mich S Central Power Agcy	3002	N/A	N/A	0.0	15.4	-1.7%
Middleville, Vlg of	0803	3.6	5.1	0.8	11.4	-4.3%
Midland Co Central Disp Auth	5604	3.3	4.8	2.6	29.5	3.1%
Midland CRC	5602	6.6	9.1	0.7	10.0	0.7%
Midland, City of	5601	9.1	17.0	0.4	7.3	-6.0%
Mid-Mich Dist Hlth Dept	5901	3.3	4.1	1.1	17.5	3.9%
Mid-Mich Lib League	8306	9.4	11.6	0.3	10.8	-7.9%
Mid-Peninsula Lib Coop CLD	3609	N/A	N/A	0.0	1.0	-56.0%
Milan Lib	5806	2.7	4.5	1.0	8.6	-1.1%
Milan, City of	5801	17.2	35.7	0.1	6.6	-2.9%
Milford, Vlg of	6313	7.0	9.4	0.8	14.1	-2.1%
Millington, Vlg of	7904	5.4	5.8	0.9	11.8	-7.4%
Missaukee Co	5702	3.5	5.1	1.6	12.7	-1.5%
MOA Solid Waste Mgmt Auth	6002	4.0	4.9	3.0	20.0	-1.4%
Monroe HC	5808	2.4	5.3	1.8	7.7	-1.9%
Montague, City of	6112	5.2	6.7	0.8	13.2	9.2%
Montcalm Care Network	5909	N/A	N/A	3.3	63.9	N/A
Montcalm Co	5907	6.8	9.0	0.6	13.6	-2.0%
Montcalm CRC	5905	4.0	7.8	1.0	8.7	0.3%
Montmorency Co	6001	3.5	6.8	0.7	8.2	-4.0%
Montrose, City of	2509	3.6	5.7	0.6	8.4	-1.0%
Mt. Morris Chtr Twp	2503	9.0	18.2	0.6	9.0	-3.3%
Mt. Pleasant, City of	3701	5.0	8.0	0.8	10.6	-3.2%
Muir, Vlg of	3405	N/A	N/A	0.0	13.2	-3.0%
Mundy, Chtr Twp of	2517	4.8	5.5	1.8	20.2	-3.0%
Munising, City of	0202	6.2	10.8	0.6	10.7	-4.2%
Muskegon Area Dist Lib	6117	2.3	2.6	3.0	22.2	4.9%
Muskegon Chtr Twp	6108	11.9	18.9	0.5	12.6	-4.0%
Muskegon Co	6103	9.7	12.1	0.3	11.3	-7.1%
Muskegon CRC	6101	5.5	6.8	0.8	12.0	2.6%
Muskegon HC	6113	2.7	3.7	2.0	13.7	-1.8%
Muskegon Heights HC	6115	2.8	4.6	1.4	21.2	1.6%
Muskegon Heights, City of	6102	6.8	12.2	0.5	8.0	-6.5%
Muskegon, City of	6116	14.6	20.1	0.3	10.8	-6.0%
N Houghton Co Wtr&Swg Auth	3106	2.7	3.8	4.0	22.6	-0.8%
N Muskegon, City of	6104	13.4	19.3	0.3	11.5	-5.9%
Nashville, Vlg of	0807	1.9	2.2	3.5	36.6	3.1%
Negaunee Twp	5217	2.3	2.5	2.3	20.0	7.9%
Negaunee, City of	5203	5.5	11.3	0.6	7.2	-5.7%
Network180	4109	11.7	13.8	0.6	17.0	-4.0%
New Baltimore, City of	5016	4.4	5.8	1.2	16.1	-2.9%
New Buffalo Twp	1121	1.0	1.1	11.0	93.7	13.3%
New Buffalo, City of	1113	2.2	2.5	3.1	21.3	0.8%
Newaygo CMH	6207	N/A	N/A	0.0	11.2	-9.2%
Newaygo Co	6201	35.0	45.0	0.1	9.6	-4.8%

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Newaygo CRC	6212	4.4	5.7	0.9	13.7	-1.6%
Newaygo MCF	6204	5.8	6.1	0.6	15.2	-1.7%
Newaygo Soil & Wtr Cnsrvn Dist	6205	1.1	1.2	1.3	12.8	-3.3%
Newberry, Vlg of	4802	4.5	8.0	0.4	7.2	-7.9%
Niles Dist Lib	1105	2.5	3.2	1.5	15.1	-2.2%
Niles, City of	1115	5.3	7.2	0.7	10.7	-6.0%
Northern Lakes CMH Auth	2808	36.9	46.3	0.1	8.8	-7.0%
Northfield Twp	8117	3.6	4.1	N/A	571.9	4.3%
Northpointe Bhvrl Hlth Sys	2207	6.8	8.2	0.6	14.1	-4.5%
Northville Chtr Twp	8230	5.4	5.9	2.4	24.1	-0.2%
Northville Dist Lib	8229	3.9	5.3	0.9	12.2	0.4%
Northville, City of	8208	32.7	48.2	0.1	8.2	1.7%
Norton Shores, City of	6106	4.5	9.1	0.6	8.4	-1.2%
Norway, City of	2204	7.2	18.1	0.5	7.0	-3.4%
Nottawaseppi Huron Band	8403	0.8	0.9	10.0	64.8	23.8%
Novi, City of	6320	6.5	10.5	0.6	10.7	-2.5%
NW Mich Cmnty Hlth Agcy	1502	19.1	24.6	0.1	10.5	-1.5%
NW Rgnl Arpt Comm	2805	7.5	9.0	0.6	14.8	-4.0%
Oceana Co	6402	5.6	7.7	0.7	13.5	-2.5%
Oceola Twp	4717	3.4	3.7	2.4	29.8	1.1%
Ogemaw Co	6502	13.9	19.9	0.3	11.8	-7.6%
Ogemaw Co Emerg Disp Auth	6510	4.5	6.7	N/A	N/A	N/A
Ogemaw Co EMS Auth	6508	2.8	3.7	2.7	22.8	1.2%
Ogemaw CRC	6503	5.0	8.9	0.8	8.2	1.0%
Olive Twp	7009	5.5	8.9	0.5	10.5	-4.8%
Onaway, City of	7105	6.2	7.6	1.0	19.2	-3.4%
Ontonagon Co	6602	4.4	6.7	1.0	13.1	-2.3%
Ontonagon Co Economic Dev Corp	6605	N/A	N/A	0.0	4.6	-2.3%
Ontonagon CRC	6604	6.3	13.2	0.7	8.1	1.5%
Ontonagon, Vlg of	6603	17.0	35.3	0.1	5.4	-14.5%
Orchard Lake, City of	6312	24.7	32.2	0.1	10.1	-0.7%
Oronoko Chtr Twp	1114	3.4	4.8	1.5	13.4	6.0%
Osceola Co	6701	3.7	4.6	1.3	19.3	-0.7%
Osceola CRC	6703	3.9	7.5	0.6	7.2	-2.7%
Oscoda Chtr Twp	3503	4.6	8.1	0.8	10.0	-2.4%
Oscoda Co	6801	3.2	4.8	1.0	11.2	-2.6%
Oscoda Co Lib	6803	3.8	3.2	N/A	N/A	0.4%
Oscoda Wurtsmith Arpt Auth	6802	1.5	2.1	2.0	12.4	-2.8%
Otisville, Vlg of	2506	7.7	11.7	0.4	11.1	-5.3%
Otsego Co	6902	3.2	5.0	1.0	11.6	-1.9%
Otsego CRC	6901	5.0	8.0	0.6	9.9	5.0%
Ottawa Co	7003	8.1	10.7	0.7	16.8	-1.3%
Ottawa Co Central Disp Auth	7008	20.0	23.4	0.2	12.4	-3.2%
Ottawa CRC	7002	7.1	12.4	0.5	8.2	-4.0%
Otter Lake, Vlg of	4408	N/A	N/A	0.0	7.3	-11.0%
Owosso, City of	7607	6.6	8.2	0.7	15.6	185.2%
Oxford Fire Department	6327	3.4	4.7	1.0	15.0	15.3%
Oxford, Vlg of	6326	5.1	8.5	1.3	15.2	-0.5%
Parchment, City of	3901	10.2	15.4	0.3	9.8	7.1%
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	20.6	44.2	0.1	5.7	-5.4%
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	8.1	10.9	1.5	20.3	-1.9%
Paw Paw, Vlg of	8002	4.6	6.6	1.1	12.0	-3.4%
Pellston, Vlg of	2404	5.1	6.7	3.0	29.5	0.5%
Pennfield Chtr Twp	1312	4.4	6.4	1.2	14.7	-0.4%
Pentwater, Vlg of	6401	3.4	4.9	0.6	9.2	-5.1%
Perrinton, Vlg of	2909	2.8	3.2	N/A	N/A	5.7%
Petersburg, City of	5807	2.7	2.9	N/A	N/A	4.1%
Petoskey, City of	2402	5.7	7.2	0.8	14.0	0.3%
Pewamo, Vlg of	3407	3.5	4.4	N/A	N/A	4.1%
Pigeon, Vlg of	3203	3.1	4.7	1.3	14.7	1.0%
Pinckney, Vlg of	4706	4.8	6.0	2.6	20.5	0.1%
Pinconning, City of	0904	6.3	11.9	0.3	6.0	-9.8%
Pittsfield Chtr Twp	8110	3.4	5.0	2.0	21.1	2.2%
Pleasant Ridge, City of	6301	5.2	9.9	0.6	8.2	-2.2%
Plymouth Dist Lib	8221	3.9	5.6	1.2	10.8	-4.4%
Plymouth, Chtr Twp of	8238	7.1	10.6	1.0	13.0	-1.9%
Plymouth, City of	8202	N/A	N/A	0.0	5.7	-6.5%
Pokagon Band of Potawatomi	8401	1.8	1.8	9.0	67.3	19.3%
Port Austin Area Swr&Wtr Auth	3210	N/A	N/A	0.0	19.1	-5.6%
Port Austin, Vlg of	3208	3.5	5.1	0.7	9.5	-5.4%
Port Huron Chtr Twp	7711	3.7	5.5	1.6	15.7	-1.5%
Port Huron HC	7712	6.0	8.7	1.1	11.2	3.3%

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Municipality Name	Number	Ratio of Market Value of Assets to Total Payroll	Ratio of Actuarial Accrued Liability to Total Payroll	Ratio of Actives to Retires and Beneficiaries	Ratio of Market Value of Assets to Benefit Payments	Net Cash Flow to Market Value of Assets
Port Huron, City of	7702	5.6	11.2	0.6	6.6	-9.5%
Port Sanilac, Vlg of	7403	11.1	19.6	0.4	11.2	-3.1%
Port Sheldon Twp	7018	5.2	5.3	2.3	14.7	-5.9%
Portland, City of	3401	4.4	7.3	0.8	10.3	-3.8%
Potterville, City of	2313	1.7	2.5	3.3	11.5	-1.6%
Presque Isle Co	7104	3.6	5.9	1.0	9.8	-4.2%
Presque Isle CRC	7101	4.3	8.5	0.7	6.8	-1.7%
PRIDE Youth Programs CLD	6210	N/A	N/A	0.0	6.8	-14.4%
Ravenna, Vlg of	6111	9.6	11.4	0.5	13.2	-4.9%
Reading, City of	3003	2.0	2.4	1.0	24.7	-1.0%
Redford Twp Dist Lib	8228	7.4	9.3	0.7	15.9	-3.3%
Redford, Chtr Twp of	8209	6.4	11.9	0.5	7.2	-6.6%
Reed City, City of	6702	5.4	9.1	0.6	11.8	-2.6%
Richfield Twp (Genesee Co)	2514	4.2	7.7	1.6	11.3	-0.9%
Richfield Twp (Roscommon Co)	7202	4.8	7.7	0.9	12.5	-1.7%
Richland Twp	7310	5.9	12.2	1.4	7.6	-6.1%
Richmond, City of	5012	4.2	6.0	2.5	20.0	-0.3%
Rochester, City of	6307	5.7	9.1	0.6	10.5	-2.8%
Rockford, City of	4103	3.7	5.8	0.9	13.3	0.2%
Rockwood, City of	5810	3.7	4.2	1.5	23.0	-1.9%
Rogers City, City of	7102	11.2	12.4	0.7	14.9	109.6%
Romeo Dist Lib	5006	16.6	18.9	0.1	12.5	7.4%
Romeo, Vlg of	5005	4.7	8.3	0.9	10.7	-5.0%
Romulus, City of	8225	5.3	12.9	0.9	6.6	-1.5%
Roosevelt Park, City of	6107	8.0	15.4	0.3	10.0	-2.6%
Roscommon Co	7201	6.2	8.9	0.6	12.7	-1.9%
Roscommon Co Trans Auth	7205	5.3	6.4	0.9	11.2	-1.7%
Rose City, City of	6504	4.1	5.3	1.0	11.3	-5.6%
Rose Twp	6506	8.9	3.7	1.7	60.2	-1.9%
Royal Oak, Chtr Twp of	6306	62.3	36.5	0.1	21.7	-5.0%
Saginaw Chtr Twp	7314	7.1	7.8	1.4	16.0	-2.9%
Saginaw Co	7303	218.8	291.6	0.0	8.5	-9.2%
Saginaw Co 911 Com Ctr	7316	N/A	N/A	0.0	9.0	-2.2%
Saginaw Co CMH	7318	38.8	68.5	0.0	6.6	-10.1%
Saginaw CRC	7304	5.9	9.4	0.7	9.9	-5.5%
Saginaw HC	7321	6.4	12.8	0.6	6.8	-1.4%
Saginaw Trans Sys Auth	7319	2.3	2.3	1.9	22.5	1.0%
Saginaw, City of	7301	12.3	26.3	0.3	5.7	-8.8%
Saginaw, Pub Lib of	7317	4.6	3.4	1.8	53.0	-0.3%
Saginaw-Midland Muni Wtr Corp	7305	19.5	30.0	0.2	8.3	-4.1%
Saline, City of	8105	6.5	10.4	0.5	10.3	-3.0%
Sandusky Dist Lib	7404	5.4	5.5	1.0	60.2	0.1%
Sandusky, City of	7402	2.9	5.4	1.3	9.0	-2.7%
Sanilac CRC	7410	2.9	3.6	2.8	16.9	-1.7%
Saranac HC	3413	4.0	5.6	2.0	18.9	5.8%
Saugatuck Twp	0305	2.4	5.1	0.6	5.9	5.5%
Saugatuck Twp Fire Dist	0313	1.4	1.8	6.0	12.9	1.1%
Saugatuck, City of	0307	3.5	4.0	0.6	10.7	1.2%
Sault Ste. Marie HC	4906	5.0	5.6	1.3	12.8	-2.7%
Sault Ste. Marie Tribe of Chippewa Indians	8404	0.6	0.6	12.0	540.4	54.4%
Sault Ste. Marie, City of	1701	5.0	8.1	0.8	9.6	-5.8%
SCCMUA	1905	6.8	8.6	0.7	14.5	-3.6%
Schoolcraft Co	7503	4.7	8.0	1.0	9.6	-5.0%
Schoolcraft Co Trans Auth	7506	3.0	5.8	2.0	10.3	-3.3%
Schoolcraft CRC	7501	7.1	14.9	0.5	6.5	0.0%
Schoolcraft Memorial Hosp	7505	21.5	26.7	0.3	13.7	-1.8%
Scio Twp	8116	2.5	3.2	3.8	93.6	5.2%
Scottville, City of	5308	2.8	3.1	2.0	22.2	-1.2%
SE Oakland Co Rsrc Rec Auth	6310	3.3	5.3	0.7	8.9	-5.7%
SE Oakland Co Wtr Auth	6309	9.2	9.6	0.7	13.3	-0.6%
Sebewaing, Vlg of	3205	9.2	9.1	0.6	14.9	-2.3%
SEMCOG	8210	6.4	8.0	0.9	15.3	-2.9%
Shepherd, Vlg of	3704	2.6	2.8	3.0	57.2	1.4%
Shiawassee Co	7602	4.6	7.2	1.1	10.7	-2.1%
Shiawassee Council on Aging	7605	2.3	3.6	0.9	7.3	-2.6%
Shiawassee CRC	7601	8.9	11.2	0.8	12.7	1.4%
Shiawassee Dist Lib	7606	5.3	5.4	2.3	24.2	-2.4%
Shiawassee Hlth & Wellness	7609	2.3	3.0	1.9	18.7	-0.8%
Sims Whitney Util Auth	0606	2.7	3.4	0.7	11.5	3.4%
SMART	8216	4.5	6.1	0.9	12.2	-0.7%
South Haven Area ESA	8005	5.6	8.5	2.1	21.5	2.6%
South Haven, City of	8001	4.6	6.0	1.0	13.8	-2.9%

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South Lyon, City of	6315	5.2	8.0	1.0	15.7	-1.3%
Southgate, City of	8262	8.6	14.1	0.5	8.3	-6.6%
Sparta, Vlg of	4107	5.0	7.0	1.1	17.6	-1.0%
Spring Lake Dist Lib	7016	5.4	6.2	2.7	19.2	-3.1%
Spring Lake, Vlg of	7015	10.8	15.5	0.9	11.4	-4.3%
Springfield, City of	1303	10.2	16.4	0.3	8.1	-8.4%
St Charles, Vlg of	7308	6.8	11.1	0.7	9.8	-1.5%
St Clair HC	7715	N/A	N/A	0.0	3.7	-12.3%
St Clair Shores HC	5007	3.3	6.7	0.7	6.0	-7.6%
St Clair, City of	7703	9.9	19.1	0.4	8.5	-3.7%
St Ignace, City of	4904	5.8	11.0	0.8	8.6	-5.1%
St Johns, City of	1902	13.4	24.9	0.2	7.3	2.0%
St Joseph Co	7803	4.9	5.8	1.1	15.7	-4.2%
St Joseph Twp	1122	3.3	3.4	13.0	61.1	3.1%
St Louis HC	2908	6.8	8.0	3.0	48.7	0.4%
St Louis, City of	2902	22.9	28.3	0.1	10.4	-2.6%
Stambaugh Twp	3615	2.5	4.1	1.0	22.3	2.5%
Standish, City of	0601	55.7	77.2	0.1	8.9	1.3%
Stanton, City of CLD	5903	N/A	N/A	0.0	18.5	-5.8%
Stephenson, City of	5504	3.3	5.6	1.5	29.8	5.0%
Sterling, Vlg of	0605	4.4	3.3	2.0	73.8	-0.4%
Stockbridge, Vlg of	3316	5.1	8.2	0.8	14.8	-2.7%
Sturgis HC	7805	5.3	5.5	N/A	N/A	5.4%
Summit Twp	3803	4.5	7.7	1.3	13.4	0.3%
Sumpter Twp	8226	4.3	5.3	2.2	23.0	4.7%
Superior Chtr Twp	8109	2.8	4.4	1.9	12.3	-0.6%
Superior Dist Lib	1702	3.4	2.6	1.9	21.4	-3.6%
Superiorland Lib Coop	5208	N/A	N/A	0.0	9.3	-3.9%
Suttons Bay Bingham Fire Auth	4506	1.5	2.5	10.0	45.1	11.8%
SW Mich Comm Amb Svcs	1119	3.0	3.5	6.3	24.3	3.2%
SW Shiawassee ESA	7611	2.4	2.8	5.0	86.7	6.3%
Swan Creek Twp	7309	3.9	5.5	0.7	8.0	-7.8%
Swartz Creek, City of	2504	58.1	64.7	0.1	11.8	-7.7%
Sylvan Lake, City of	6314	10.4	12.2	0.6	24.3	0.0%
Tawas Police Auth	3504	10.7	21.6	0.3	8.4	-1.6%
Taylor HC	8231	4.0	4.4	1.0	27.9	0.1%
The Lib Network	8218	4.9	6.6	1.0	16.7	-1.2%
Three Rivers, City of	7801	4.2	6.5	1.1	11.9	-3.7%
Tittabawassee Twp	7322	4.0	4.2	3.2	14.9	-2.0%
Traverse Area Dist Lib	2807	5.0	6.0	0.8	13.7	-2.7%
Traverse City Light & Power	2811	8.8	13.8	0.5	10.0	1.5%
Traverse City, City of	2801	3.7	6.5	0.8	8.9	-5.7%
Trenton, City of	8203	37.8	62.7	0.1	8.2	-0.7%
Tri-County Aging Consortium	3307	2.5	3.0	1.5	17.5	-2.0%
Trio Council on Aging Inc CLD	6507	N/A	N/A	0.0	13.1	-5.7%
Tuscarora Twp	1604	3.4	5.2	2.3	22.0	1.6%
Tuscola Co	7902	6.3	7.1	0.8	16.7	-4.1%
Tuscola Co CMH	7907	2.9	3.5	1.6	21.4	0.6%
Tuscola Co Hlth Dpt	7901	11.9	14.2	0.5	15.4	-5.1%
Tuscola Co MCF	7906	1.5	1.7	3.2	17.2	-0.8%
Tuscola CRC	7908	5.4	7.3	0.7	11.0	1.2%
Twin City Pub Safety Auth CLD	3610	N/A	N/A	0.0	18.1	-5.7%
Ubly, Vlg of	3212	7.6	11.5	1.0	14.6	-4.2%
Utica, City of	5008	3.7	5.9	1.2	10.3	-3.4%
Van Buren Co	8006	2.2	3.4	2.2	13.2	-0.2%
Van Buren Dist Lib	8007	5.0	5.6	1.4	17.4	3.0%
Van Buren Twp	8236	4.3	6.1	3.4	25.9	1.9%
Vassar, City of	7903	17.6	32.1	0.1	7.8	-7.3%
Vevay Twp	3318	2.7	4.9	0.7	6.9	1.9%
Vicksburg Dist Lib	3904	N/A	N/A	0.0	5.7	-5.3%
Vicksburg, Vlg of	3902	5.8	8.6	0.6	12.2	-3.6%
Vienna, Chtr Twp of	2522	5.8	10.2	0.5	8.5	-2.2%
W Iron Co Swr Auth	3612	3.7	6.9	1.0	7.3	-3.2%
W Mich CMH Sys	5304	61.1	79.5	0.0	10.4	-7.8%
W Mich Shoreline Rgnl Dev Comm	6110	7.4	7.3	1.2	16.1	-4.8%
W UP Dist Hlth Dept	3101	12.0	19.5	0.2	8.6	-4.5%
Wakefield, City of	2701	3.9	7.4	0.7	7.1	0.2%
Walker, City of	4112	11.9	17.4	0.3	11.1	5.1%
Walled Lake, City of	6324	3.3	10.8	0.6	5.7	-1.8%
Washtenaw Co	8113	4.3	6.2	2.7	21.3	1.6%
Washtenaw CRC	8102	5.0	9.5	0.9	9.3	-2.6%
Wayland, City of	0304	5.5	8.7	0.7	12.4	-2.5%

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Wayne HC	8252	4.3	6.4	1.5	11.4	-1.3%
Wayne, City of	8242	15.2	27.4	0.3	8.5	-4.0%
Webberville, Vlg of	3314	1.9	2.1	2.0	19.9	3.7%
West Branch Dist Lib	6509	4.1	4.3	3.0	22.6	-1.0%
West Branch, City of	6505	4.6	7.8	0.8	9.8	-4.9%
Westland,City of	8211	12.5	31.6	0.2	6.0	-4.8%
Westphalia, Vlg of	1907	6.4	9.6	0.3	8.2	-8.6%
Wexford Co	8302	3.6	5.6	1.2	11.1	-3.1%
Wexford CRC	8303	10.6	11.4	0.6	17.8	5.7%
White Cloud Cmnty Lib	6208	3.2	3.7	4.0	39.6	-0.3%
White Cloud, City of	6206	2.0	3.3	0.9	9.5	-0.7%
White Cloud/Sherman Util	6211	2.1	3.7	1.5	13.1	-0.5%
White Lake Chtr Twp	6325	4.5	6.5	1.6	13.9	-2.0%
White Pigeon, Vlg of	7804	1.3	1.6	2.0	19.4	4.5%
White Pine Dist Lib	5904	5.3	9.9	0.2	5.5	-5.3%
Whitehall, City of	6105	3.5	4.9	0.8	12.7	3.2%
Willard Pub Lib	1308	2.2	2.6	4.4	36.1	2.8%
Williamston, City of	3310	4.4	6.3	0.7	8.2	-6.1%
Wixom, City of	6316	25.5	27.0	0.3	17.4	0.9%
Wolverine Lake, Vlg of	6329	3.5	5.6	1.0	12.8	4.8%
WUPPDR	3108	6.8	7.1	1.5	11.6	17.3%
Ypsilanti Cmnty Util Auth	8106	4.8	8.2	0.8	9.7	1.2%
Ypsilanti HC	8115	5.8	6.2	0.5	13.4	21.3%
Ypsilanti, City of	8101	9.6	7.9	0.8	18.9	-5.0%
Ypsilanti, Twp of	8104	4.1	5.9	1.2	13.3	-1.6%
Totals- MERS		5.4	8.3	0.8	(10.6)	-2.4%

Appendix E: Plan Provisions: Actuarial Assumptions and Methods

Located on the MERS website at: Appendix.