



**MUNICIPAL EMPLOYEES' RETIREMENT SYSTEM OF MICHIGAN**  
SUMMARY REPORT OF THE 72<sup>ND</sup> ANNUAL ACTUARIAL VALUATIONS  
AS OF DECEMBER 31, 2017  
FOR THE 743 DEFINED BENEFIT PLAN AND HYBRID PLAN  
MUNICIPALITIES



September 18, 2018

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

Ladies and Gentlemen:

This report presents a summary of the results of the 72<sup>nd</sup> Annual Actuarial Valuations, prepared as of December 31, 2017, for the Municipal Employees' Retirement System (MERS) 743 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.

MERS is an independent, professional retirement services organization that has partnered with Michigan local units of government for over 70 years. Each local unit of government 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, 2017 annual actuarial valuation is to measure funding progress, to determine the employer contribution rates for the fiscal year beginning in 2019, and to determine the actuarial information for the Governmental Accounting Standards Board (GASB) Statement Nos. 67 and 68.

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 should be provided by the Retirement System to other interested parties only in its entirety. CBIZ Retirement Plan Services is not responsible for the consequences of unauthorized use.



## CBIZ Retirement Plan Services

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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.

All of the undersigned actuaries 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 otherwise audited. CBIZ Retirement Plan Services 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 – 12 of Appendix D 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 13 – 31 of Appendix D 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.

Respectfully Submitted,

Handwritten signature of Cathy Nagy in black ink.

Cathy Nagy, MAAA, FSA

Handwritten signature of Jim Koss in black ink.

Jim Koss, MAAA, ASA

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Curtis Powell, MAAA, EA

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*This publication contains a summary description of MERS benefits, policies or procedures. MERS has made every effort to ensure that the information provided is accurate and up to date. Where the publication conflicts with the relevant Plan Document, the Plan Document controls.*

## I. Results of the Actuarial Valuation

Our actuarial valuation of the liabilities and contribution rates for each of the 743 Defined Benefit Plan and Hybrid Plan participating municipalities in the Municipal Employees' Retirement System as of December 31, 2017 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 D which is on the MERS website at: [Appendix](#)).
2. The characteristics of active and inactive MERS members as of December 31, 2017 (see Section II).
3. The assets attributable to MERS members of each participating municipality. The total assets (at actuarial value) for all 743 municipalities included in the December 31, 2017 valuation was \$9.5 billion. The market value of assets was \$9.4 billion.
4. The actuarial assumptions and funding method (see Appendix D which is on the MERS website at: [Appendix](#)). The results in this report reflect the new assumptions and funding policy adopted by the Retirement Board in July 2015.

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 member, the level percentage of payroll contribution (from entry age to retirement) required to accumulate sufficient assets at the member's retirement to pay for his or her projected benefit. The employer normal cost is the total normal cost reduced by the member contribution rate. Closed municipalities (no longer actively participating in MERS) are covered by special 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 2019, and is then amortized as noted in the [Appendix](#) .

Each of these components of the employer contribution (i.e., normal cost and amortization payment) are 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.

## **Municipality Funded Status**

One measure of a municipality's funding progress is the ratio of its actuarial value of assets to actuarial accrued liabilities. The most recent MERS actuarial valuation is as of December 31, 2017. At that date 69 municipalities (9.5% of all Defined Benefit Plan and Hybrid Plan municipalities in MERS) were funded at 100% or higher. There were 583 municipalities in MERS that were funded at 60% or higher (80% of all municipalities). Please note the above funded ratios were calculated based on the Valuation Assets. There were 579 municipalities in MERS with a funded ratio of 60% or higher based on the Market Value of Assets.

## **Changes in Municipality Funding Percentages in 2017**

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 2017 include:

- **Funding Policy** – The MERS funding policy results in a gradual change in the funded percentage towards 100% funding. Assuming no adverse experience, most plans are anticipated to reach 100% funding in 21 years or less (depending on the length of the amortization period).
- **Investment Experience** – The 2017 valuations continue to smooth the effect of the 2008 market losses, resulting in reduced funded percentages.
- **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 2017 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.

Note that the above list is not all inclusive. Further, 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 2017 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, 2017 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 7.75% assumed long-term investment return assumption.

**Table 1**

**Summary of the Valuation Results**

	December 31,		
	2017	2016	2015
Number of Participating Municipalities	727	720	717
Number of Closed Municipalities <sup>1</sup>	16	15	15
Total Defined Benefit and Hybrid Municipalities	743	735	732
Number of Valuation Divisions			
Open to new hires	1,320	1,279	1,324
Closed to new hires	1,520	1,389	1,306
Closed municipalities	20	19	19
Total	2,860	2,687	2,649
Total Active Member Payroll (millions)	\$1,812	\$1,780	\$1,787
Assets at Market Value (millions)	\$9,439	\$8,483	\$7,835
Assets at Actuarial Value (millions)	9,545	9,136	8,893
Actuarial Rate of Return	6.08%	5.14%	5.21%
Actuarial Accrued Liability (millions)	\$14,095	\$13,680	\$13,368
Average AAL Funded Percentage <sup>2</sup> (based on actuarial value of assets)	76%	74%	74%
Number of Municipalities <sup>3</sup> :			
Under 60% Funded	144	153	155
60%-80% Funded	320	324	334
80%-100% Funded	194	177	174
100%+ Funded	69	66	54

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

<sup>2</sup> Average over all municipalities (excluding the closed municipalities).

<sup>3</sup> Excludes the closed municipalities

## II. Membership Characteristics

### Active Members

The total number of defined benefit plan active members decreased from 34,843 on December 31, 2016 to 34,787 on December 31, 2017.

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

Item	December 31,		
	2017	2016	2015
Number of defined benefit plan active members	34,787	34,843	35,274
Average age	45.8	45.9	46.1
Average benefit service	11.3	11.5	11.8
Average vesting service	12.0	12.2	12.4
Average compensation	\$ 52,102	\$ 51,084	\$ 50,656
Aggregate compensation (millions)	\$1,812.5	\$1,779.9	\$1,786.8

### Vested Former Members

A vested former member 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 8,361 former employees with deferred vested rights as of December 31, 2017. This compares to 8,252 such members as of the prior valuation.

Item	December 31,		
	2017	2016	2015
Number of vested former members <sup>1</sup>	8,361	8,252	8,340
Average age	50.0	50.0	50.4
Average annual deferred benefit	\$10,506	\$10,327	\$9,987

<sup>1</sup> Excludes terminated employees who are not vested. However, any member contributions still on deposit for such persons are reflected as an accrued liability for pending refunds.



**Retirees and Beneficiaries**

There were 40,148 retirees and beneficiaries receiving payments as of December 31, 2017. The table below presents age and benefit information as of the current valuation and for the past two years.

Item	December 31,		
	2017	2016	2015
Number of pensioners	40,148	38,774	37,467
Average age	69.4	69.2	69.1
Average annual benefit	\$21,588	\$21,216	\$20,768

**Table 2**  
**Participating Municipalities and Covered Persons Historical Comparison**

Valuation Date Dec. 31,	No. of DB and Hybrid Municipalities	Active Members				Persons on Deferred Status	Annual Deferred Benefits
		Number	Annual Payroll	Average Pay	Percent Increase		
1980	334	29,528	\$ 399,413,360	\$ 13,527	12.0 %	432	
1981	332	29,289	430,542,086	14,700	8.7	439	
1982	333	28,896	461,539,421	15,972	8.7	504	
1983	336	29,095	483,436,531	16,616	4.0	524	
1984	337	28,927	505,865,473	17,488	5.2	549	
1985	342	29,659	544,238,433	18,350	4.9	641	
1986	345	30,036	577,785,159	19,236	4.8	681	
1987	349	29,802	598,014,814	20,066	4.3	846	
1988	361	30,345	635,074,449	20,928	4.3	839	
1989	370	31,313	674,297,441	21,534	2.9	955	
1990	381	32,256	725,691,155	22,498	4.5	1,261	
1991	401	33,118	782,914,985	23,640	5.1	1,605	
1992	418	34,001	852,361,539	25,069	6.0	1,855	
1993	438	34,139	869,313,319	25,464	1.6	1,941	
1994	463	34,994	925,500,706	26,447	3.9	2,034	
1995	490	35,611	972,975,649	27,322	3.3	2,322	
1996	506	36,070	1,025,214,728	28,423	4.0	2,713	
1997	529	36,547	1,068,597,733	29,239	3.0	3,752	
1998	541	36,817	1,163,056,817	31,590	8.0	4,369	
1999	552	36,472	1,179,274,854	32,334	2.4	4,794	
2000	560	36,573	1,225,992,204	33,522	3.7	5,303	
2001	561	36,583	1,271,563,960	34,758	3.7	5,799	\$34,788,263
2002	575	37,043	1,327,360,448	35,833	3.1	5,510	35,150,225
2003	594	37,159	1,381,197,725	37,170	3.7	5,575	37,240,512
2004	615	36,766	1,437,211,517	39,091	5.2	5,804	40,567,372
2005	644	36,467	1,462,411,810	40,102	2.6	6,126	43,894,457
2006	668	36,846	1,545,886,480	41,955	4.6	6,235	46,110,745
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

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

**Table 3****Benefits Being Paid to Retirees and Beneficiaries  
Historical Comparison**

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

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

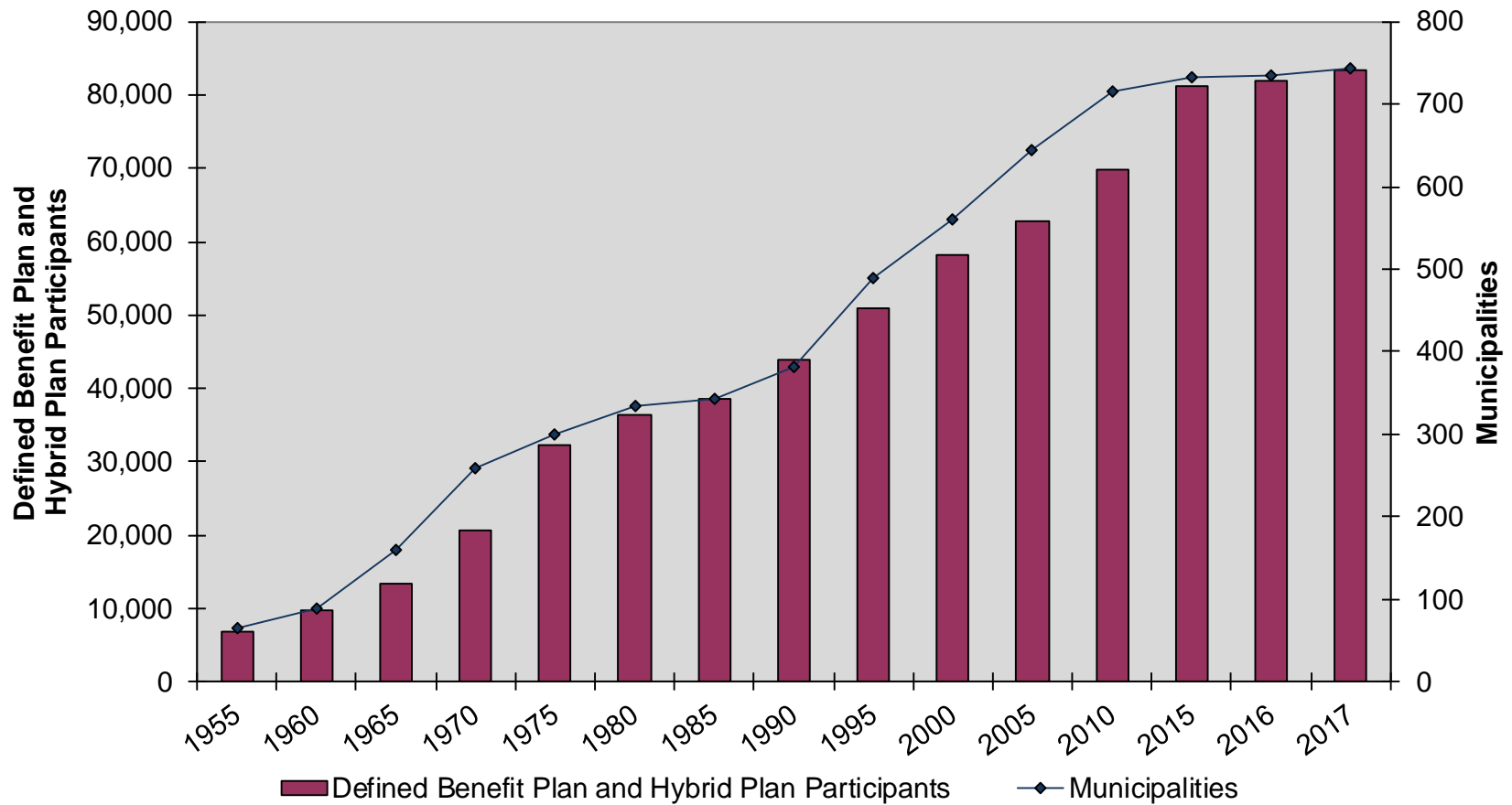


Chart 1 presents a comparison of the growth in MERS Defined Benefit Plan and Hybrid Plan municipalities to the growth in plan participants (active members, vested former members and retirees).

## Chart 2

### Active and Retired Participants

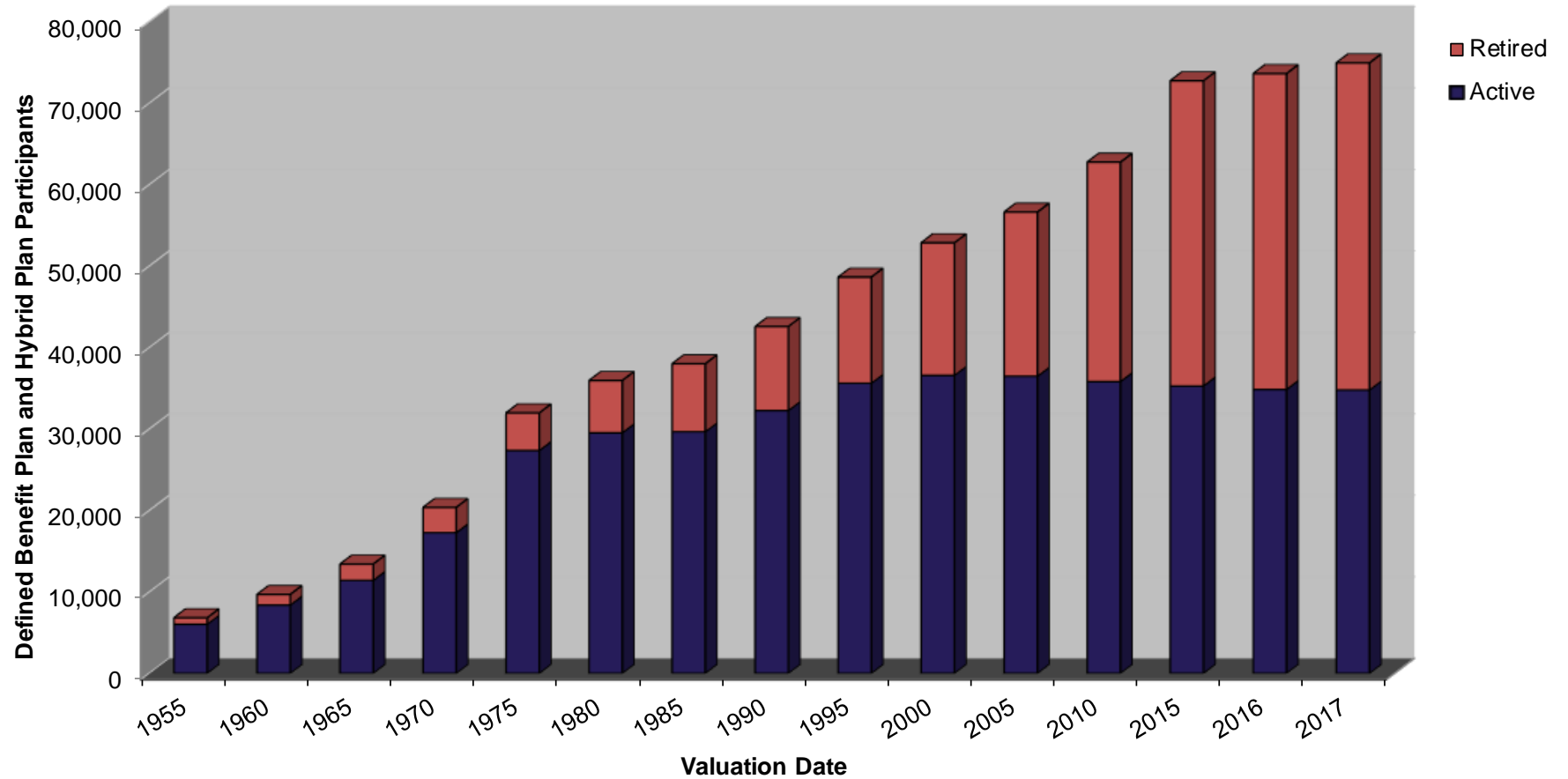
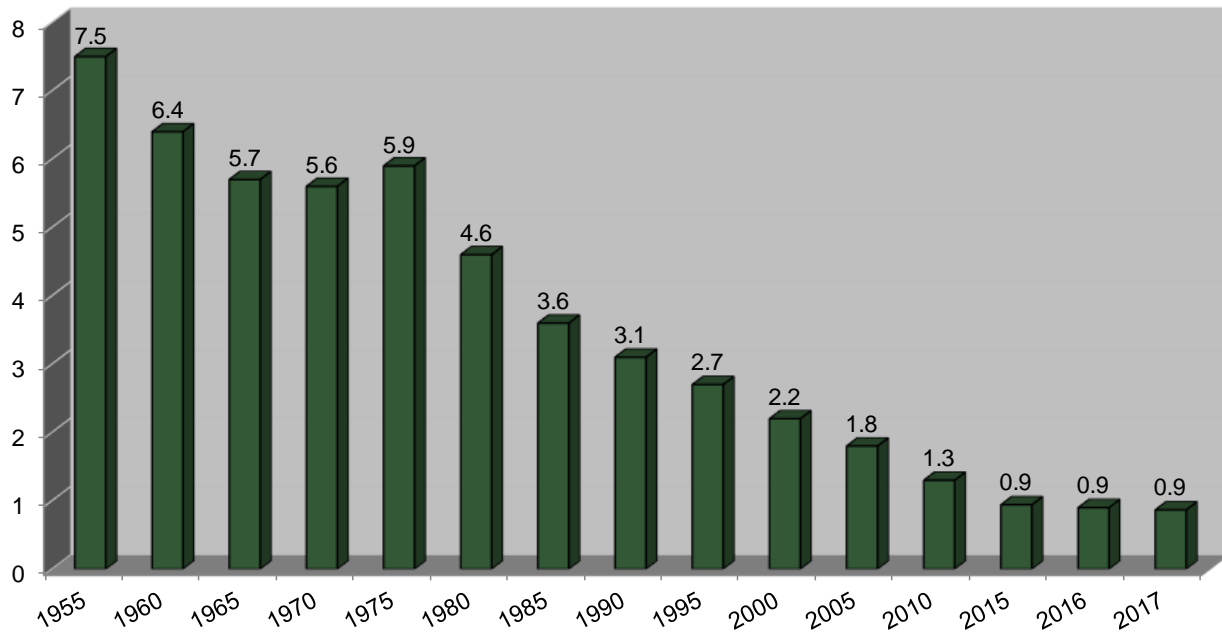
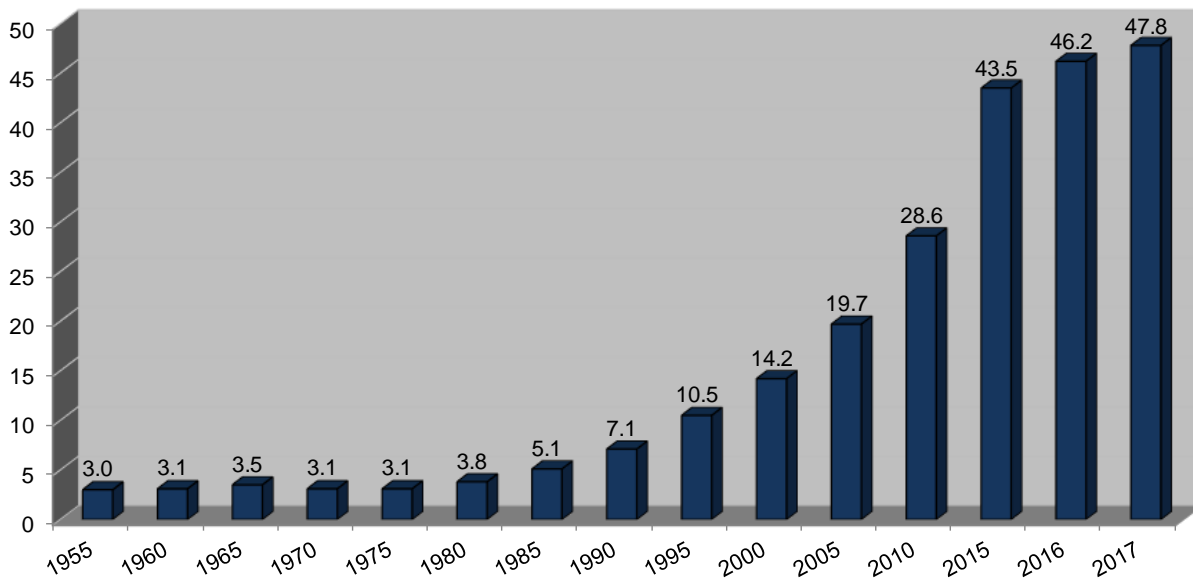


Chart 2 illustrates graphically the historical growth in the number of active members and retirees and beneficiaries.

**Chart 3**  
**Active Members 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 members per retiree has declined from over 7 to just under 1. The benefit payout as a percentage of active payroll has increased to over 47%.

**Table 4**

**Number and Average Pay of Members in Active Service  
as of December 31, 2017 by Age and Years of Benefit Service**

Age	Total	Years of Benefit Service						
		0-4	5-9	10-14	15-19	20-24	25-29	30 & Over
Total	34,787 \$52,102	12,286 \$43,246	5,485 \$52,598	4,897 \$55,751	5,393 \$57,603	3,651 \$60,920	1,884 \$60,907	1,191 \$60,241
Under 20	70 \$23,423	70 \$23,423						
20-24	1,199 \$35,280	1,190 \$35,254	9 \$38,702					
25-29	2,777 \$43,349	2,423 \$42,673	343 \$48,041	11 \$46,046				
30-34	3,231 \$49,653	1,912 \$45,402	955 \$55,956	347 \$55,383	17 \$56,735			
35-39	3,845 \$53,648	1,532 \$45,414	838 \$55,457	999 \$61,409	453 \$60,430	22 \$66,125	1 \$53,072	
40-44	4,310 \$55,818	1,240 \$44,634	710 \$55,453	823 \$59,480	1,160 \$62,643	369 \$64,578	8 \$51,512	
45-49	5,508 \$57,158	1,246 \$45,700	745 \$52,224	794 \$56,878	1,231 \$60,707	1,143 \$66,266	331 \$66,832	18 \$67,754
50-54	5,333 \$54,409	1,128 \$43,406	683 \$51,392	660 \$53,859	974 \$56,383	951 \$60,338	685 \$63,002	252 \$59,925
55-59	4,798 \$51,994	881 \$43,977	617 \$49,946	688 \$49,809	902 \$52,243	712 \$55,813	527 \$57,627	471 \$60,310
60-64	2,768 \$51,359	502 \$43,406	408 \$49,410	396 \$51,022	515 \$50,681	358 \$53,456	260 \$57,135	329 \$60,535
65 & Over	948 \$46,608	162 \$38,086	177 \$41,861	179 \$43,620	141 \$48,051	96 \$53,502	72 \$52,518	121 \$58,712

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

**Table 5**  
**Retirees and Beneficiaries**  
**as of December 31, 2017**  
**Tabulated by Attained Ages**

Age	Number
Under 50	619
50 - 54	1,196
55 - 59	3,307
60 - 64	8,530
65 - 69	9,332
70 - 74	6,620
75 - 79	4,482
80 - 84	2,917
85 - 89	1,877
90 - 94	917
95 - 99	237
100 & Over	30
Certain Only <sup>1</sup>	84
Total	40,148

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

**Table 6**  
**Retirees and Beneficiaries**  
**as of December 31, 2017**  
**Average Annual Pension by Year of Retirement<sup>2</sup>**

Year of Retirement	Number	Average Annual Pension
Before 1960	1	\$ 1,318
1960 - 1969	22	6,104
1970 - 1979	301	7,842
1980 - 1989	2,070	11,051
1990 - 1999	6,653	18,018
2000 - 2009	13,976	23,290
2010 - 2017	17,125	23,121
Total	40,148	21,588

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



## Allowances Being paid Retirees and Beneficiaries December 31, 2017

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

Type of Benefit	Number of Retirees	Number as a Percent of Total	Total Monthly Benefits
Normal Retirement for age and service	32,819	81.7 %	\$ 63,667,496
Non-Duty Disability <sup>1</sup>	1,187	3.0	1,588,303
Duty Disability <sup>1</sup>	591	1.5	1,067,322
Beneficiaries <sup>2</sup>	4,665	11.6	4,920,659
Non-Duty Death	829	2.1	921,884
Duty Death	<u>57</u>	<u>0.1</u>	<u>59,058</u>
Totals	40,148	100.0 %	\$ 72,224,722

<sup>1</sup> At age 60, these benefit types are converted to normal retirement for age and service.

<sup>2</sup> Includes EDRO alternate payees.

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

Type of Benefit	Number of Retirees	Number as a Percent of Total	Total Monthly Benefits
Beneficiary draws 100% of retiree's benefit	12,373	30.8 %	\$ 23,338,574
Beneficiary draws 67% of retiree's benefit	3	0.0	12,816
Beneficiary draws 75% of retiree's benefit	2,644	6.6	6,495,837
Beneficiary draws 60% of retiree's benefit	413	1.0	1,481,510
Beneficiary draws 50% of retiree's benefit	5,836	14.5	12,300,210
Equated Option (changing at Social Security age)	393	1.0	375,034
5 year certain and life	314	0.8	490,298
10 year certain and life	827	2.1	1,571,634
15 year certain and life	237	0.6	364,253
20 year certain and life	498	1.2	740,889
Straight life allowance	<u>16,610</u>	<u>41.4</u>	<u>25,053,667</u>
Totals	40,148	100.0 %	\$ 72,224,722

**Table 9**  
**Valuation Divisions in 2017, 2016, and 2015 Valuations Tabulated by Benefit Formula**  
**(Excludes the Divisions of Closed Municipalities and Shadow Divisions – see Table 1)**

Benefit Formula	Number of Divisions with Benefit on December 31,		
	2017	2016	2015
1.00% Multiplier (80% max)	1	1	1
1.00% Multiplier (no max)	7	7	7
1.00% Multiplier (30% max, except for purchased service)	1	1	1
1.20% Multiplier (no max)	1	1	2
1.25% Multiplier (no max)	2	0	0
1.30% Multiplier (no max)	25	25	24
Svc x (1.00% times FAC<\$4,200, plus 1.50% times FAC>\$4,200)	7	7	7
1.50% Multiplier (80% max)	11	9	9
1.50% Multiplier (no max)	128	119	105
Svc x (1.20% times FAC<\$4,200, plus 1.70% times FAC>\$4,200)	14	14	14
1.70% Multiplier for Svc < 25 yrs, 1.50% for Svc > 25 yrs (80% max)	0	0	0
1.70% Multiplier (no max)	80	80	80
1.75% Multiplier (no max)	1	1	1
1.80% Multiplier (no max)	0	0	1
1.90% Multiplier (no max)	2	0	0
2.00% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (55% max)	1	1	1
2.00% Multiplier (75% max)	3	2	2
2.0% multiplier (80% max)	4	4	3
2.00% Multiplier (no max)	378	372	373
2.00% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (75% max)	1	0	0
2.20% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (80% max)	1	1	1
2.20% Multiplier for Svc < 15 yrs, 2.40% for Svc 16-25 yrs, 1.00% for Svc > 25 yrs (80% max)	1	1	1
2.20% Multiplier (no max)	6	6	6
2.25% Multiplier (70% max)	1	1	1
2.25% Multiplier (75% max)	1	0	1
2.25% Multiplier (80% max)	531	529	531
2.25% Multiplier (no max)	12	12	11
2.35% Multiplier (80% max)	3	3	3
2.40% Multiplier (80% max)	1	1	1
2.50% Multiplier (70% max)	1	1	1
2.50% Multiplier (75% max)	6	6	6
2.50% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (80% max)	1	1	1
2.50% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (no max)	5	5	5
2.50% Multiplier (80% max)	880	888	904
2.50% Multiplier (85% max)	2	2	0
2.50% Multiplier (no max)	8	8	9
2.57% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (no max)	1	1	1
2.60% Multiplier for Svc <20 yrs, 2.25% for Svc > 20 yrs (no max)	3	3	3
2.60% Multiplier for Svc <25 yrs, 2.75% for Svc > 25 yrs (74% max)	1	1	1
2.60% Multiplier for Svc <30 yrs, 1.00% for Svc > 30 yrs (85% max)	2	0	0
2.60% Multiplier (65% max)	1	1	1
2.70% Multiplier for Svc < 25 yrs, 2.50% for Svc 25-30 yrs, 1.00% for Svc > 30 yrs (no max)	1	1	2
2.75% Multiplier (80% max)	20	21	21
2.75% Multiplier (85% max)	1	1	1
2.80% Multiplier (75% max)	1	1	1

Table 9 shows the distribution of benefit provisions in effect for the 2017 and past two valuations. MERS is a multiple-employer plan, where each municipality decides its benefit structure.

**Table 9 (Continued)**  
**Valuation Divisions in 2017, 2016, and 2015 Valuations Tabulated by Benefit Formula**  
**(Excludes the Divisions of Closed Municipalities and Shadow Divisions – see Table 1)**

Benefit Formula	Number of Divisions with Benefit on December 31,		
	2017	2016	2015
2.80% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (80% max)	4	4	4
2.80% Multiplier for Svc < 26 yrs, 2.50% for Svc between 26 and 27 yrs, 1.00% for Svc between 28 and 30 yrs (78% max)	1	0	0
2.80% Multiplier for Svc < 25 yrs, 2.50% for Svc 25-30 yrs, 1.00% for Svc > 30 yrs (no max)	4	6	8
2.80% Multiplier (80% max)	18	17	17
2.80% Multiplier (84% max)	1	1	0
2.80% Multiplier for Svc < 30 yrs, 1.00% for Svc > 30 yrs (no max)	2	2	2
2.80% Multiplier for Svc < 35 yrs, 1.50% for Svc > 35 yrs (100% max)	2	2	2
2.80% Multiplier for first 12 yrs 9 months, 1.80% Multiplier for next 8 yrs 5 months; 2.00% multiplier for svc after 12/31/2012 (no max)	1	1	0
3.00% Multiplier (80% max)	20	20	21
3.00% Multiplier (75% max)	4	5	5
3.20% Multiplier (80% max)	9	9	9
2.00% to Social Security Age (no max), 1.50% after SS Age (no max)	1	1	1
2.00% to Social Security Age (no max), after SS Age Svc x (1.2% FAC<\$4,200, 1.7% FAC>\$4200)	7	7	7
2.00% to Social Security Age (no max), 1.70% after SS Age (no max)	34	35	35
2.50% to Social Security Age (80% max), 2.25% after SS Age (80% max)	2	2	2
2.50% to Age 65 (80% max), 2.25% after Age 65 (80% max)	0	1	1
2.80% to Age 65 (80% max), 2.50% after Age 65 (80% max)	1	1	1
Old Plan Benefits	24	24	23
Retire Before 25 Years: 1.70% Multiplier (no max); Retire After 25 Years: 2.00% Multiplier (no max)	1	1	1
Before SSAge: 2.8% for first 25 years of service; 1.0% for service over 25 years (75% max). After SSAge: 2.38% (75% max)	2	2	2
Before SSAge: 2.8% for service before 12/31/12; 1.0% for service after 12/31/12 (Termination FAC). After SSAge: 2.38% for service before 12/31/12; 1.0% for service after 12/31/12 (Termination FAC)	2	2	2
Frozen Benefits	11	9	3
Prepayment of Employer Contributions for Divisions 02, 13, and 20	0	1	1
Subtotal	2309	2292	2291
Bridged Benefit: 1.70% Multiplier for Svc < 25 yrs, 1.50% for Svc > 25 yrs (80% max) Frozen FAC; to 1.00% Multiplier (80% max)	3	3	3
Bridged Benefit: 1.70% Multiplier for Svc < 25 yrs, 1.50% for Svc > 25 yrs (80% max) Frozen FAC; to 1.50% Multiplier (80% max)	3	3	3
Bridged Benefit: 2.00% Multiplier (no max) Frozen FAC; to 1.50% Multiplier (no max)	13	12	11
Bridged Benefit: 2.00% Multiplier (no max) Frozen FAC; to 1.70% Multiplier (no max)	3	3	3
Bridged Benefit: 2.20% Multiplier for Svc < 15 yrs, 2.40% for Svc 16-25 yrs, 1.00% for Svc > 25 yrs (80% max) Frozen FAC; to 1.50% Multiplier (80% max)	2	2	2
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.30% Multiplier (no max)	2	2	1
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.50% Multiplier (no max)	2	2	1
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.70% Multiplier (no max)	4	4	4
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.80% Multiplier (no max)	1	1	0
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 2.00% Multiplier (no max)	8	6	5
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 2.00% Multiplier (80% max)	1	1	1
Bridged Benefit: 2.35% Multiplier (80% max) Frozen FAC; to 2.25% Multiplier (80% max)	2	2	2
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.25% Multiplier (no max)	12	3	0
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.30% Multiplier (no max)	1	1	1
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.50% Multiplier (no max)	10	8	7
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.70% Multiplier (no max)	5	5	5
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.75% Multiplier (80% max)	1	1	1
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.80% Multiplier (no max)	2	0	0
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.90% Multiplier (80% max)	1	1	1

Table 9 shows the distribution of benefit provisions in effect for the 2017 and past two valuations. MERS is a multiple-employer plan, where each municipality decides its benefit structure.

**Table 9 (Concluded)**  
**Valuation Divisions in 2017, 2016, and 2015 Valuations Tabulated by Benefit Formula**  
**(Excludes the Divisions of Closed Municipalities and Shadow Divisions – see Table 1)**

Benefit Formula	Number of Divisions with Benefit on December 31,		
	2017	2016	2015
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 2.00% Multiplier (no max)	12	8	6
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 2.00% Multiplier (80% max)	3	1	2
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 2.25% Multiplier (80% max)	28	21	13
Bridged Benefit: 2.50% to Age 65 (80% max), 2.25% after Age 65 (80% max), Frozen FAC; to 1.25% Multiplier (no max)	1	0	0
Bridged Benefit: 2.70% Multiplier svc <25 yrs, 2.50% svc 25-30 yrs, 1.00% svc>30 yrs (no max) Frozen FAC; to 2.25% Multiplier (80% max)	1	1	0
Bridged Benefit: 2.80% Multiplier (80% max) Frozen FAC; to 2.50% Multiplier (80% max)	5	5	5
Bridged Benefit: 2.80% Multiplier svc <25 yrs, 2.50% svc 25-30 yrs, 1.00% svc>30 yrs (no max) Frozen FAC; to 2.25% Multiplier (80% max)	4	2	0
Bridged Benefit: 3.00% Multiplier (80% max) Frozen FAC; to 1.50% Multiplier (no max)	1	1	0
Bridged Benefit: 3.00% Multiplier (80% max) Frozen FAC; to 2.50% Multiplier (80% max)	3	3	3
Bridged Benefit: 3.00% Multiplier (75% max) Frozen FAC; to 2.67% Multiplier (75% max)	1	0	0
Bridged Benefit: 1.50% Multiplier (no max) Frozen FAC; to 2.00% Multiplier (no max)	4	4	4
Bridged Benefit: 1.70% Multiplier (no max) Frozen FAC; to 1.30% Multiplier (no max)	1	1	0
Bridged Benefit: 1.70% Multiplier (no max) Frozen FAC; to 2.00% Multiplier (no max)	1	1	1
Bridged Benefit: 1.00% Multiplier (no max) Termination FAC; to 2.00% Multiplier (60% overall max, except for pre-bridge purchased service)	1	1	1
Bridged Benefit: 1.60% Multiplier (no max) Termination FAC; to 2.00% Multiplier (no max)	1	1	1
Bridged Benefit: 1.80% Multiplier (no max) Termination FAC; to 2.00% Multiplier (no max)	1	1	1
Bridged Benefit: 2.00% Multiplier (no max) Termination FAC; to 2.25% Multiplier (80% max)	1	1	1
Bridged Benefit: 2.00% to SS Age (no max), 1.70% after SS Age (no max) Termination FAC; to 1.50% Multiplier (80% max)	1	0	0
Bridged Benefit: 2.25% Multiplier (80% max) Termination FAC; to 1.50% Multiplier (80% max)	3	3	3
Bridged Benefit: 2.25% Multiplier (80% max) Termination FAC; to 2.00% Multiplier (no max)	2	2	0
Bridged Benefit: 2.25% Multiplier (80% max) Termination FAC; to 2.50% Multiplier (80% max)	1	1	1
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 1.50% Multiplier (no max)	1	1	0
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 2.00% Multiplier (no max)	2	1	1
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 2.25% Multiplier (80% max)	5	3	3
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 3.00% Multiplier (no max)	0	1	1
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 2.80% for < 27 years, 2.2% for svc 27 years, 1.0% for svc 28-30 years	1	0	0
Bridged Benefit: 2.75% Multiplier (80% max) Termination FAC; to 2.50% Multiplier (80% max)	1	0	0
Bridged Benefit: 2.80% Multiplier (80% max) Termination FAC; to 1.80% Multiplier (no max)	1	1	1
Bridged Benefit: 2.80% Multiplier (80% max) Termination FAC; to 2.00% Multiplier (no max)	1	1	1
Bridged Benefit: 2.80% Multiplier (80% max) Termination FAC; to 2.50% Multiplier (80% max)	1	1	0
Bridged Benefit: 3.00% Multiplier (80% max) Termination FAC; to 2.50% Multiplier (80% max)	2	2	2
Bridged Benefit: 3.00% Multiplier (80% max) Termination FAC; to 2.80% Multiplier (80% max)	3	3	3
Bridged Benefit: Frozen Benefit for Svc before 1/1/2008; 2.50% Multiplier for Svc after 1/1/2008 (no max)	1	1	1
Bridged Benefit: Frozen Benefit for Svc before 4/1/2004; 2.50% Multiplier for Svc after 4/1/2004 (80% max)	2	2	2
Bridged Benefit: Frozen Benefit for Svc before 5/1/2012; 2.25% Multiplier for Svc after 5/1/2012 (no max)	5	5	5
Bridged Benefit: Frozen Benefit for Svc before 5/1/2012; 1.50% Multiplier for Svc after 5/1/2012 (no max)	5	5	5
Bridged Benefit: Frozen Benefit for Svc before 12/1/2015; 2.00% Multiplier for Svc after 12/1/2015 (no max)	3	3	0
Bridged Benefit: Frozen Benefit for Svc before 12/1/2015; 2.50% Multiplier for Svc after 12/1/2015 (no max)	3	3	0
Bridged Benefit: (1.20% for FAC < \$4,200, plus 1.70% for FAC > \$4,200) for service before 3/31/2015; 2.50% Multiplier for service after 3/31/2015 (80% Max); Termination FAC	1	1	1
Bridged Benefit Subtotal	190	152	119
Hybrid Plan - 1.00% Multiplier	53	49	47
Hybrid Plan - 1.25% Multiplier	54	54	49
Hybrid Plan - 1.50% Multiplier	69	65	54
Hybrid Plan - 1.75% Multiplier	4	4	4
Hybrid Plan - 2.00% Multiplier	2	1	1
Hybrid Plan Subtotal	182	173	155
Total Divisions	2681	2617	2565

Table 9 shows the distribution of benefit provisions in effect for the 2017 and past two valuations. 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), and includes an adjustment to reflect market value. This procedure was instituted for the December 31, 2005 valuation and further modified with the latest 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, 2016 will be recognized over 4 years.

For the December 31, 2017 valuation, this procedure produced an actuarial asset value that is equal to 101.13% of market value (compared to 107.71%, 113.54%, 105.99%, and 106.18% in 2016, 2015, 2014, and 2013, respectively).

On pages 28 – 31 of Appendix D (on the MERS website at: [Appendix](#).) we have illustrated the development of the actuarial value of assets for the December 31, 2001 through December 31, 2017 actuarial valuations. The market value of assets reported to the actuary includes most accounts receivables.

## IV. Employer Contributions and Funded Status

**Table 10**  
**Computed Employer Contribution Rates**  
**(Excludes Closed Divisions, Shadow Division, and Closed Municipalities – see Table 1)**

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. %
1.00% Multiplier (no max)	2	4.99%	0.09%	3	5.98%	5	0.30%
1.20% Multiplier (no max)	1	4.70%	1.14%	--	0.00%	1	1.14%
1.25% Multiplier (no max)	2	5.02%	0.91%			2	0.91%
1.30% Multiplier (no max)	11	4.74%	2.71%	10	7.00%	21	4.08%
Svc x (1.00% times FAC<\$4,200, plus 1.50% times FAC>\$4,200)	2	0.47%	6.90%			2	6.90%
1.50% Multiplier (80% max)	8	4.68%	3.34%	2	8.50%	10	3.81%
1.50% Multiplier (no max)	87	4.21%	4.19%	22	7.65%	109	4.80%
Svc x (1.20% times FAC<\$4,200, plus 1.70% times FAC>\$4,200)	2	3.00%	3.10%	3	5.24%	5	3.51%
1.70% Multiplier (no max)	32	4.17%	6.20%	18	7.86%	50	6.40%
1.75% Multiplier (no max)	1	3.00%	3.01%			1	3.01%
1.90% Multiplier (no max)	1	6.92%	3.00%			1	3.00%
2.00% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (55% max)	1	6.00%	8.00%			1	8.00%
2.00% Multiplier (75% max)	2	7.57%	2.91%			2	2.91%
2.00% Multiplier (80% max)	2	4.62%	6.40%			2	6.40%
2.00% Multiplier (no max)	143	4.25%	9.33%	61	13.82%	204	10.59%
2.20% Multiplier (no max)	2	5.00%	44.35%			2	44.35%
2.25% Multiplier (80% max)	144	5.26%	14.06%	51	15.97%	195	14.68%
2.25% Multiplier (no max)	3	4.83%	25.47%	1	19.53%	4	21.34%
2.35% Multiplier (80% max)	1	4.00%	139.59%			1	139.59%
2.40% Multiplier (80% max)	1	2.00%	204.77%			1	204.77%
2.50% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (80% max)	1	5.00%	30.64%			1	30.64%
2.50% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (no max)	3	12.00%	50.73%			3	50.73%
2.50% Multiplier (80% max)	205	6.63%	20.33%	63	33.97%	268	22.34%
2.50% Multiplier (75% max)	1	7.00%	31.14%			1	31.14%
2.50% Multiplier (85% max)	1	5.00%	6.57%			1	6.57%
2.50% Multiplier (no max)	4	3.51%	25.03%	--	0.00%	4	25.03%
2.60% Multiplier for Svc < 30 yrs, 1.00% for Svc > 30 yrs (85% max)	1	8.00%	8.37%			1	8.37%
2.57% Multiplier for Svc < 25 yrs, 1.00% for Svc > 25 yrs (no max)	1	12.00%	32.18%			1	32.18%
2.70% Multiplier for Svc < 25 yrs, 2.50% for Svc 25-30 yrs, 1.00% for Svc > 30 yrs (no max)	1	7.00%	25.61%			1	25.61%
2.75% Multiplier (80% max)	9	8.09%	27.98%	1	31.92%	10	28.11%
2.80% Multiplier (80% max)	3	5.80%	26.80%	1	0.00%	4	24.05%
2.80% Multiplier for Svc < 35 yrs, 1.50% for Svc > 35 yrs (100% max)	1	2.90%	7.29%			1	7.29%
3.00% Multiplier (80% max)	8	5.57%	43.27%			8	43.27%
3.00% Multiplier (75% max)	1	10.35%	21.13%			1	21.13%
3.20% Multiplier (80% max)	4	14.36%	40.24%			4	40.24%
2.00% to Social Security Age (no max), 1.50% after SS Age (no max)				1	17.26%	1	17.26%

Table 10 provides a distribution of average employer and member 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

**Table 10 (Concluded)**  
**Computed Employer Contribution Rates**  
**(Excludes Closed Divisions, Shadow Divisions, and Closed Municipalities – see Table 1)**

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. %
2.00% to Social Security Age (no max), after SS Age Svc x (1.2% FAC<\$4,200, 1.7% FAC>\$4200)				1	8.97%	1	8.97%
2.00% to Social Security Age (no max), 1.70% after SS Age (no max)	13	4.79%	11.10%	2	15.48%	15	11.20%
Retire Before 25 Years: 1.70% Multiplier (no max); Retire After 25 Years: 2.00% Multiplier (no max)	1	5.33%	4.25%			1	4.25%
Bridged Benefit: (1.20% for FAC < \$4,200, plus 1.70% for FAC > \$4,200) for service before 3/31/2015; 2.50% Multiplier for service after 3/31/2015 (80% Max); Termination FAC				1	0.00%	1	0.00%
Bridged Benefit: 1.70% Multiplier (no max) Frozen FAC; to 2.00% Multiplier (no max)				1	0.00%	1	0.00%
Bridged Benefit: 1.70% Multiplier (no max) Frozen FAC; to 1.30% Multiplier (no max)	1	5.00%	0.65%			1	0.65%
Bridged Benefit: 2.00% Multiplier (no max) Frozen FAC; to 1.50% Multiplier (no max)	6	1.41%	3.95%	1	13.54%	7	4.81%
Bridged Benefit: 2.00% Multiplier (no max) Frozen FAC; to 1.70% Multiplier (no max)	2	3.05%	9.83%			2	9.83%
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.30% Multiplier (no max)	1	5.00%	22.42%			1	22.42%
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.50% Multiplier (no max)	1	6.00%	0.00%			1	0.00%
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.70% Multiplier (no max)	2	5.00%	21.36%			2	21.36%
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 1.80% Multiplier (no max)	1	7.50%	19.04%			1	19.04%
Bridged Benefit: 2.25% Multiplier (80% max) Frozen FAC; to 2.00% Multiplier (no max)				1	24.40%	1	24.40%
Bridged Benefit: 2.35% Multiplier (80% max) Frozen FAC; to 2.25% Multiplier (80% max)	1	5.00%	119.43%			1	119.43%
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.50% Multiplier (no max)	4	4.67%	26.46%	1	21.96%	5	25.19%
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.70% Multiplier (no max)	1	5.00%	9.92%			1	9.92%
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.75% Multiplier (no max)	1	17.75%	15.00%			1	15.00%
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 1.90% Multiplier (80% max)	1	8.00%	105.70%			1	105.70%
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 2.00% Multiplier (no max)	4	8.46%	14.82%			4	14.82%
Bridged Benefit: 2.50% Multiplier (80% max) Frozen FAC; to 2.25% Multiplier (80% max)	9	8.31%	23.17%			9	23.17%
Bridged Benefit: 2.80% Multiplier (80% max) Frozen FAC; to 2.50% Multiplier (80% max)	1	10.00%	30.95%			1	30.95%
Bridged Benefit: 3.00% Multiplier (80% max) Frozen FAC; to 2.50% Multiplier (80% max)	2	7.41%	46.44%			2	46.44%
Bridged Benefit: 1.50% Multiplier (no max) Frozen FAC; to 2.00% Multiplier (no max)	4	5.00%	6.46%			4	6.46%
Bridged Benefit: 1.00% Multiplier (no max) Termination FAC; to 2.00% Multiplier (60% overall max, except for pre-bridge purchased service)	1	8.55%	7.00%			1	7.00%
Bridged Benefit: 2.00% Multiplier (no max) Termination FAC; to 2.25% Multiplier (80% max)	1	6.00%	7.81%			1	7.81%
Bridged Benefit: 2.00% to SS Age (no max), 1.70% after SS Age (no max) Termination FAC; to 1.50% Multiplier (80%)	1	1.00%	14.38%			1	14.38%
Bridged Benefit: 2.25% Multiplier (80% max) Termination FAC; to 2.00% Multiplier (no max)	2	6.00%	19.78%			2	19.78%
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 3.00% Multiplier (no max)	1	5.00%	14.43%			1	14.43%
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 1.50% Multiplier (no max)	1	8.26%	40.92%			1	40.92%
Bridged Benefit: 2.50% Multiplier (80% max) Termination FAC; to 2.25% Multiplier (80% max)	2	3.36%	35.38%			2	35.38%
Bridged Benefit: 3.00% Multiplier (80% max) Termination FAC; to 2.50% Multiplier (80% max)	1	16.85%	25.02%			1	25.02%
Hybrid Plan - 1.00% Multiplier				51	4.94%	51	4.94%
Hybrid Plan - 1.25% Multiplier				49	5.16%	49	5.16%
Hybrid Plan - 1.50% Multiplier	2	1.54%	10.00%	65	7.76%	67	7.81%
Hybrid Plan - 1.75% Multiplier				4	7.53%	4	7.53%
Hybrid Plan - 2.00% Multiplier				2	9.51%	2	9.51%
<b>Total</b>	<b>760</b>	<b>5.70%</b>	<b>14.38%</b>	<b>416</b>	<b>12.78%</b>	<b>1176</b>	<b>13.93%</b>

Table 10 provides a distribution of average employer and member 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.

**Table 11**  
**Additional Benefit Programs**  
**(Excludes the Divisions of Closed municipalities – see Table 1)**

Benefit Program	No. of Divisions	Benefit Program	No. of Divisions	Benefit Program	No. of Divisions	Benefit Program	No. of Divisions
<b>Normal Retirement</b>		<b>Early (Reduced) Retirement</b>		<b>Survivor Provisions</b>		<b>D-2 Provisions</b>	
50	5	50/25	1819	RS 50%	153	D-2 (25%)	76
52	3	52/25	2	RS 60%	21	D-2 (50%)	4
55	46	55/10	13	RS 100%	1	D-2 (55%)	1
58	7	55/15	2067	RS 75%	17	D-2 (67%)	18
59	2	55/25	1	Sub.75%	15	D-2 (70%)	11
60	2700	57/15	2			D-2 (80%)	1
62	2	60/15	1	<b>COLA for Existing Retirees</b>		D-2 (50% Dth; 67% Dsb)	1
65	1	0/25	1	0.5% Non-Compound	1	D-2 (67% Dth; 50% Dsb)	16
Old Plan Benefits	24			2.5% Non-Compound	285	D-2 No Svc Proj	17
				2.0% Non-Compound	1		
<b>Unreduced Retirement</b>		<b>Vesting</b>		2.0% Compound	23		
49/20	1	3 years	1	3.0% Compound	5	<b>Disability and Death Provisions</b>	
50/20	3	5 years	33	2.0% Compound; CPI Limit	2	DD 50% FAC Min	2
50/25	464	6 years	614	CPI (Compound; 3% Limit) to Age 65	1	NDD/Dsb 25% FAC Min	6
50/28	1	7 years	3	CPI (Compound; 4% Limit for Some)	1	NDsb 55% FAC Min	1
50/30	6	8 years	222	\$300 Annual Flat	2	NDD15% FAC Min	16
52/10	2	10 years	1,877	2% Compound: Years 6-15	3	Non Dty Dsb Elg: 10 Years	4
52/25	1	15 years	16	Varies		NDD/Dsb Elg: 1 year	6
53/25	6	Old Plan Vesting	24			Duty Dsb 65% FAC Min (no svc projection); Non Dty Dsb Elg: 5 Years	1
55/10	16			<b>COLA for Future Retirees</b>			
55/15	344	<b>FAC Period</b>		0.5% Non-Compound	1		
55/20	254	2 years	14	2.5% Non-Compound	689		
55/25	715	3 years	1,253	1.0% Non-Compound	8		
55/30	72	4 years	3	2.0% Non-Compound	4	<b>Other Provisions</b>	
57/25	2	5 years	1,489	1.0% Compound	1	PRO	1
58/8	1	3 of 5 years	4	2.0% Compound	23	SLIF	55
60/10	7			2.5% Non-Compound before 11/30/2017, 0% after 11/30/2017	3	AWD TBill	31
Old Plan Benefits	2			2.5% Non-Compound before 2/28/2017, 0% after 2/28/2017	1	AWD (Valuation Interest Rate)	7
		Max \$ FAC	3	2.5% Non-Compound before 3/1/2017, 0% after 3/1/2017	1	DROP+ 4%	2
		Old Plan Benefits	24	\$300 Annual Flat	1	DROP:Traditional	1
<b>Unreduced Retirement 6 &amp; out</b>				2.5% Non-Compound - commencing at age 54	2	Late Retirement	4
20 & out	1			3.0% Compound	5	Deferred GrowNRD	12
21 & out	23						
22 & out	1						
23 & out	4						
23 & out	5						
25 & out	151						
30 & out	12						
65 Points	2						
80 Points	1						
85 Points	6						
Old Plan Benefits	2						

Table 11 shows the distribution of Additional Benefit Programs in effect (by division) for the 2017 valuations. MERS is a multiple-employer plan, where each municipality decides its benefit structure.



## Chart 5

### Distribution of Funded Percentage of Actuarial Accrued Liability Among the 727 Participating Municipalities as of December 31, 2017 and the 720 Participating Municipalities as of December 31, 2016

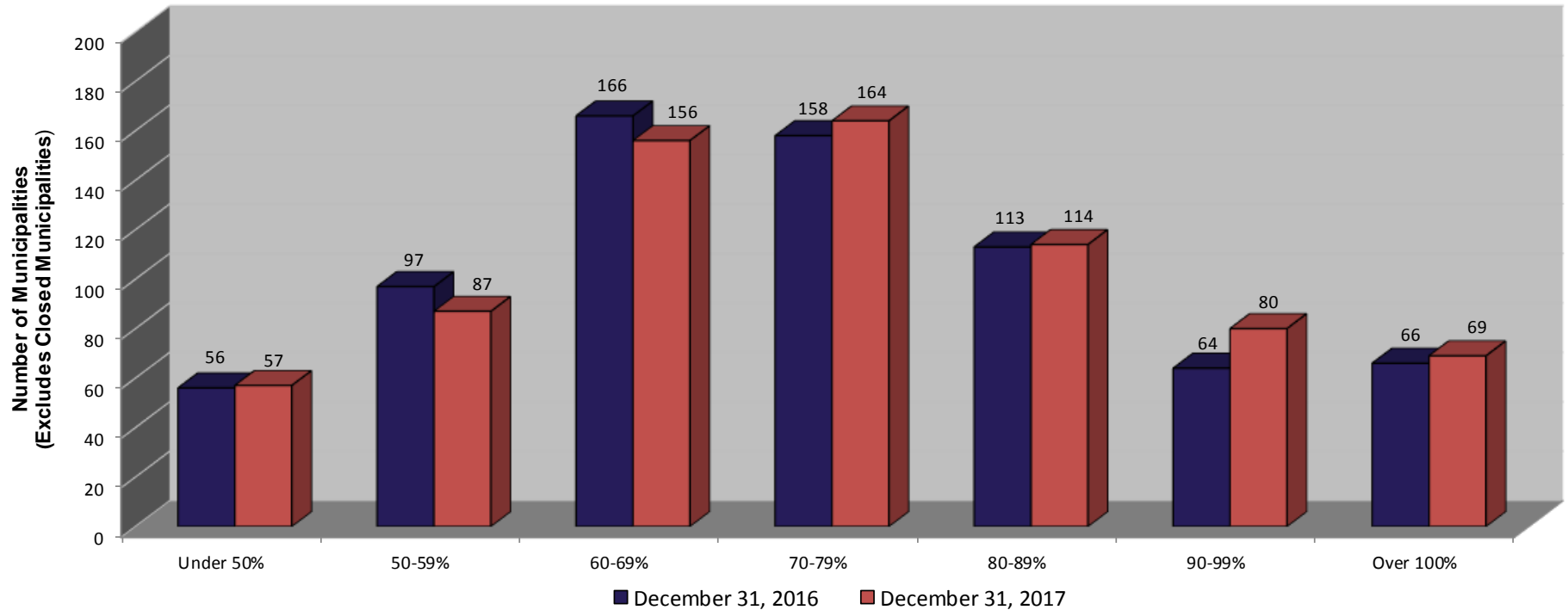


Chart 5 provides a distribution of the active municipalities by funded percentage of the entire municipality, comparing 2017 and 2016. 583 municipalities in MERS are funded at 60% or higher (80% of all municipalities). 69 municipalities (9.5% of all municipalities) are funded at 100% or more. The average funded percentage is 76% in 2017 and 74% in 2016. The above funded ratios were calculated based on Valuation Assets. Using the Market Value of Assets, there were 579 municipalities with a funded ratio of 60% or higher.

## Chart 6

### Distribution of Municipality Divisions by Employer Contribution Rate

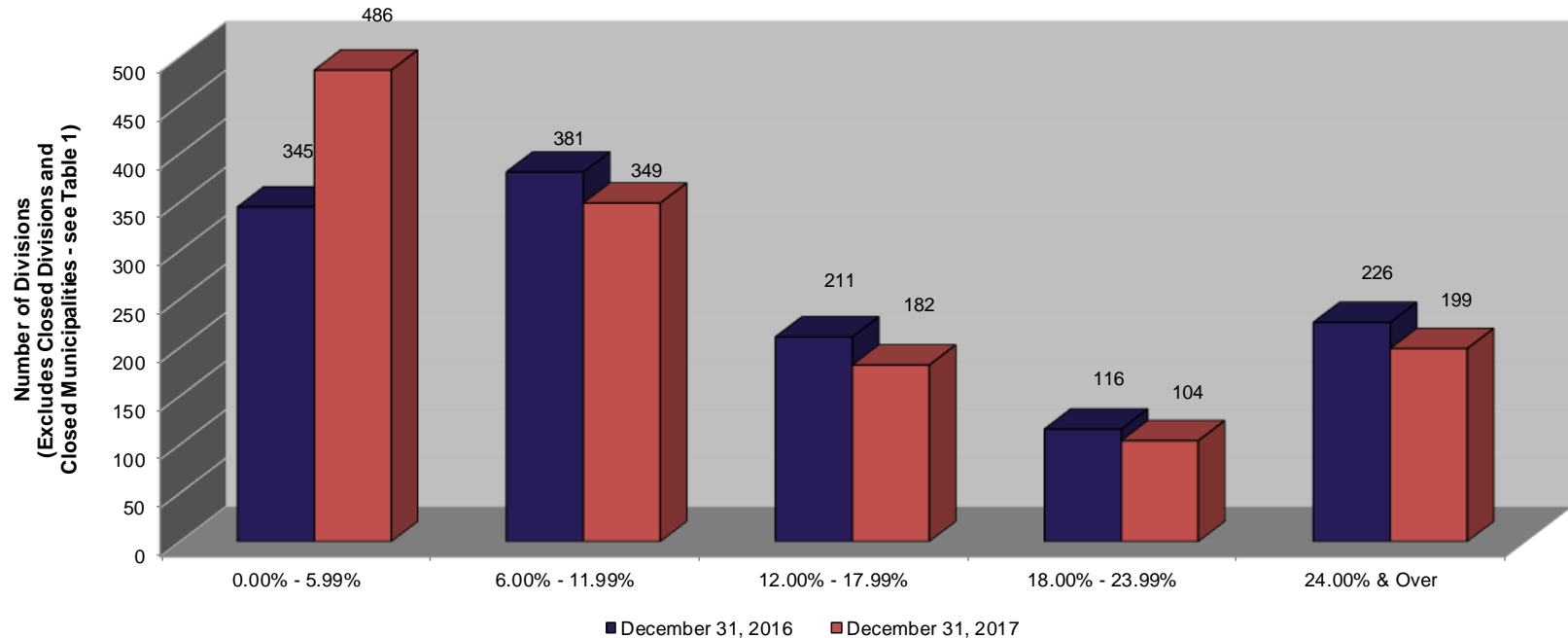


Chart 6 provides a distribution of divisions by employer contribution rate for divisions that are open to new hires, comparing 2017 and 2016. Note that:

- The average employer contribution rate for divisions that are open to new hires is 13.93% in the 2017 valuations, compared to 15.31% in the 2016 valuations.
- Employer contribution rates vary between divisions as a result of differences in demographics, benefit provisions, and cost-sharing arrangements.
- The divisions with higher 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).

**APPENDICES**

**MUNICIPAL EMPLOYEES' RETIREMENT SYSTEM  
OF MICHIGAN**

**DECEMBER 31, 2017 VALUATION RESULTS  
BY MUNICIPALITY**

MERS 12/31/2017 Valuation – Results By Municipality – Appendix A

Municipality Name	Number	Participant Information							
		Number of Divisions	Fiscal Year Beginning	Number of Actives	Active Salary	Number of Retirees	Annual Benefits in Force	Number Deferred Vested	Annual Deferred Benefits
21st Dist Ct	8243	1	7/1/2019	9	349,342	7	177,994	0	0
23rd Jud Dist Ct	8223	1	7/1/2019	7	348,110	9	231,018	3	42,122
26th Jud Cir Ct	0403	1	1/1/2019	16	529,870	24	253,106	18	120,223
34th Dist Ct	8235	1	7/1/2019	34	1,627,799	13	427,256	3	50,229
35th Dist Ct	8234	1	1/1/2019	13	690,868	14	430,292	0	0
41 B Dist Ct	5014	3	1/1/2019	32	1,447,633	35	539,046	6	117,088
Addison Fire Dept	4607	1	4/1/2019	1	89,725	0	0	1	15,481
Adrian, City of	4601	11	7/1/2019	115	6,225,926	156	4,331,216	18	198,170
Aitkin Memorial Dist Lib	7407	1	7/1/2019	0	0	0	0	1	22,644
Albion, City of	1301	6	1/1/2019	22	1,079,375	102	1,088,097	15	89,092
Alcona Co	0101	8	1/1/2019	47	1,817,952	62	821,416	10	60,054
Alger Co	0203	16	1/1/2019	31	1,475,653	36	756,004	4	23,041
Alger CRC	0201	2	1/1/2019	24	1,352,379	37	704,014	2	34,008
Algonac, City of	7707	4	7/1/2019	8	417,794	23	383,290	13	182,047
Allegan Co	0302	14	1/1/2019	60	3,965,016	276	4,385,994	55	475,899
Allegan CRC	0301	6	1/1/2019	51	2,412,648	76	1,873,501	3	36,060
Allegan, City of	0309	5	7/1/2019	9	660,803	7	189,061	5	83,599
Alma, City of	2901	6	7/1/2019	74	2,992,991	87	1,509,025	6	81,884
Almont, Vlg of	4407	6	7/1/2019	13	754,809	7	155,072	4	54,377
Alpena Co	0401	8	1/1/2019	88	3,637,337	121	1,445,800	34	191,848
Alpena CRC	0402	1	1/1/2019	12	647,550	47	930,251	1	7,490
Alpena HC	0406	1	1/1/2019	6	359,503	1	26,578	1	11,706
Alpena Sr Citizens Ctr	0404	1	10/1/2019	0	0	6	73,512	0	0
Alpha, Vlg of	3614	1	4/1/2019	1	8,983	0	0	1	876
Antrim Co	0502	5	1/1/2019	293	13,296,136	192	1,970,101	68	555,784
Antrim CRC	0501	4	1/1/2019	34	1,525,367	40	807,833	2	76,699
Arenac Co	0603	8	1/1/2019	31	1,270,273	72	720,156	20	131,898
Arenac CRC	0604	4	1/1/2019	16	760,865	33	506,807	1	8,158
Armada Township	5022	1	4/1/2019	6	275,193	0	0	0	0
Ash Twp	5804	1	4/1/2019	5	197,986	3	54,370	2	7,708
Au Gres, City of	0602	2	4/1/2019	1	48,547	9	215,845	0	0
Auburn, City of	0905	2	7/1/2019	2	35,935	8	203,085	2	14,680
Bad Axe Area Dist Lib	3214	1	7/1/2019	1	47,880	0	0	0	0
Bad Axe, City of	3211	1	7/1/2019	19	997,031	21	541,484	1	14,941
Bancroft, Vlg of	7610	1	3/1/2019	0	0	1	7,884	1	6,352
Bangor, City of	8003	1	7/1/2019	9	394,621	18	158,512	18	41,028
Baraga Co	0702	2	1/1/2019	28	1,293,053	29	398,807	10	69,455
Baraga Co Memorial Hosp	0703	2	10/1/2019	49	2,371,773	131	1,338,467	33	293,773
Baraga CRC	0701	8	10/1/2019	20	895,362	34	577,894	1	17,107
Baraga, Vlg of	0704	3	3/1/2019	11	496,009	12	281,205	2	31,689
Baroda Lake Twp Police Dept	1109	1	4/1/2019	5	313,670	1	12,131	1	683
Barry Co	0802	16	1/1/2019	455	17,930,193	239	3,563,837	71	593,032
Barry Co CMH Auth	0804	2	10/1/2019	75	3,114,945	9	319,364	13	148,902
Barry Eaton Dist Hlth Dept	2303	2	1/1/2019	57	2,603,480	97	1,350,074	37	325,758
Barton Hills, Vlg of	8107	1	4/1/2019	2	130,711	2	40,489	0	0
Bates Twp	3616	1	4/1/2019	0	0	1	27,441	0	0
Bath Chtr Twp	1909	1	1/1/2019	24	1,462,870	11	325,253	4	41,473
Battle Creek, City of	1302	14	7/1/2019	340	18,317,097	412	10,166,224	48	705,962
Bay Area Trans Auth	2810	2	10/1/2019	92	3,587,804	48	293,915	10	72,754
Bay City HC	0906	2	10/1/2019	7	294,415	21	561,152	0	0
Bay City, City of	0901	7	7/1/2019	35	1,947,137	292	6,240,771	13	163,412
Bay Metro Trans Auth	0907	6	10/1/2019	86	3,919,636	57	767,291	12	50,021
Beecher Metro Dist Swg&Wtr	2501	2	7/1/2019	5	353,475	14	397,348	1	15,164
Belding, City of	3410	3	7/1/2019	7	357,105	6	158,743	1	2,056
Belleville, City of	8213	5	7/1/2019	15	759,712	20	511,927	11	57,187
Benton Harbor, City of	1120	4	7/1/2019	47	1,751,544	89	2,143,298	4	64,361
Benzie Co	1003	9	10/1/2019	88	3,717,011	75	952,463	38	291,487
Benzie Co Comm on Aging	1006	1	10/1/2019	8	304,564	7	77,415	5	24,977
Benzie Co MCF (The Maples)	1004	2	1/1/2019	113	4,002,300	57	530,348	24	135,136
Benzie CRC	1001	5	1/1/2019	30	1,155,849	43	628,031	12	122,871
Benzie Shores Dist Lib	1005	1	7/1/2019	1	82,781	0	0	0	0
Benzie Trans Auth	1007	1	10/1/2019	11	394,363	4	12,889	2	1,451
Benzie/Leelanau Dist Hlth Dept	4504	1	10/1/2019	3	210,669	2	26,751	0	0
Berkley, City of	6304	5	7/1/2019	40	1,844,417	77	1,786,697	10	102,185
Berrien Springs, Vlg of	1102	1	7/1/2019	10	415,871	11	121,835	2	16,255
Bessemer, City of	2702	1	7/1/2019	11	545,328	13	143,736	1	2,549
Beverly Hills, Vlg of	6321	4	7/1/2019	18	1,423,915	58	1,729,606	10	164,774
Big Rapids HC	5406	1	4/1/2019	2	175,316	5	117,058	2	17,513
Big Rapids, City of	5402	2	7/1/2019	12	663,961	49	1,080,798	5	24,598
Bingham Farms, Vlg of	6332	1	7/1/2019	2	196,013	0	0	0	0
Birch Run, Vlg of	7315	4	7/1/2019	13	610,923	2	26,167	5	21,850
Bishop Intl Arpt Auth	2507	1	1/1/2019	31	1,882,022	13	270,211	1	12,276
Blackman Chtr Twp	3806	1	1/1/2019	33	2,400,162	15	529,209	1	48,835
Blissfield, Vlg of	4606	1	7/1/2019	21	1,089,783	10	212,213	8	52,431
Bloomfield Hills, City of	6302	8	7/1/2019	23	1,903,821	47	2,455,380	3	75,365
Blue Water Area Trans Comm	7709	2	10/1/2019	63	2,838,774	21	243,361	6	44,263
Boyer City HC	1508	1	10/1/2019	4	163,629	3	62,528	3	37,847
Boyer City, City of	1506	3	5/1/2019	11	678,579	39	634,841	5	35,755
Branch Co	1205	19	1/1/2019	523	25,245,810	125	2,025,004	70	577,598
Branch-Hillsdale-St Joseph Com	1202	1	1/1/2019	42	1,727,981	59	838,459	21	217,857
Brandon Chtr Twp of	6333	2	1/1/2019	25	1,352,740	17	356,014	2	29,988
Breckenridge, Vlg of	2906	3	3/1/2019	8	316,962	10	195,297	7	28,178
Bridgeport Chtr Twp	7307	6	1/1/2019	37	1,704,087	36	500,049	25	233,245
Bridgman, City of	1110	2	7/1/2019	16	856,451	7	104,111	5	44,719
Brighton Area Fire Auth	4715	1	7/1/2019	1	68,712	1	18,676	0	0
Brighton, Chtr Twp of	4711	8	4/1/2019	10	523,920	11	107,814	4	21,933
Brighton, City of	4704	7	7/1/2019	49	3,498,942	41	1,136,882	10	97,030
Britton, Vlg of	4604	1	3/1/2019	3	102,710	0	0	1	5,001
Bronson, City of	1204	2	7/1/2019	12	621,433	6	80,657	4	55,978
Brooklyn, Vlg of	3801	1	7/1/2019	9	358,037	5	95,246	1	3,996

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix A**

<u>Municipality Name</u>	<u>Number</u>	<u>Participant Information</u>							
		<u>Number of Divisions</u>	<u>Fiscal Year Beginning</u>	<u>Number of Actives</u>	<u>Active Salary</u>	<u>Number of Retirees</u>	<u>Annual Benefits in Force</u>	<u>Number Deferred Vesteds</u>	<u>Annual Deferred Benefits</u>
Brownstown, Chtr Twp of	8247	3	1/1/2019	66	4,537,982	14	746,100	6	78,387
Buchanan Dist Lib	1108	1	7/1/2019	5	168,939	1	3,673	1	5,546
Buchanan, City of	1101	4	7/1/2019	27	1,471,336	33	410,393	8	68,578
Buena Vista Chtr Twp	7312	7	1/1/2019	31	1,506,452	31	818,453	15	154,298
Burton, City of	2508	7	7/1/2019	81	4,534,987	86	3,233,627	17	201,362
Butman Twp CLD	2604	1	7/1/2019	0	0	3	7,287	0	0
Cadillac, City of	8301	8	7/1/2019	57	2,529,521	70	948,272	9	144,405
Cadillac/Wexford Trans Auth	8305	2	10/1/2019	18	676,378	14	160,400	0	0
Calhoun Co	1311	8	1/1/2019	580	28,171,006	289	5,289,752	78	890,249
Calhoun Co Conso Dispatch Auth	1316	3	1/1/2019	12	723,881	6	201,897	5	71,057
Canton Pub Lib	8232	1	1/1/2019	16	978,035	10	284,482	3	36,385
Canton, Chtr Twp of	8233	15	1/1/2019	358	26,613,567	146	7,421,330	23	257,100
Capac, Vlg of	7705	3	7/1/2019	2	122,497	18	216,088	5	13,132
Capital Area Dist Lib	3317	4	1/1/2019	65	3,408,001	20	293,229	9	62,224
Capital Region Arprt Auth	3305	11	7/1/2019	39	2,221,471	40	1,045,188	18	220,930
Carleton, Vlg of	5805	1	3/1/2019	6	255,981	5	63,070	1	9,436
Carrollton Twp	7320	2	4/1/2019	18	716,074	9	165,502	3	33,960
Cascade Chtr Twp	4110	1	1/1/2019	43	2,626,444	22	415,360	5	51,283
Caseville, City of	3207	1	3/1/2019	12	552,012	8	127,786	0	0
Caspian, City of	3608	1	7/1/2019	2	109,631	7	91,787	2	7,953
Cass Co	1402	10	10/1/2019	153	7,746,305	96	1,489,596	20	143,221
Cass Co MCF	1403	2	10/1/2019	84	3,694,331	44	368,748	7	64,371
Cass Dist Lib	1404	1	1/1/2019	12	407,753	6	34,328	4	14,193
Cedar Springs, City of	4105	3	7/1/2019	9	419,606	16	248,883	11	101,312
Center Line, City of	5001	6	7/1/2019	14	636,135	44	712,286	5	42,389
Central Lake, Vlg of	0504	1	3/1/2019	5	194,821	0	0	1	2,407
Central Mich Dist Hlth Dept	3705	5	10/1/2019	33	1,557,744	104	1,503,983	41	329,993
Charlevoix Co	1503	7	1/1/2019	296	12,135,544	209	2,755,588	52	486,107
Charlevoix CRC	1501	3	1/1/2019	38	1,579,965	43	513,868	7	59,638
Charlevoix, City of	1505	3	4/1/2019	41	2,334,109	44	983,336	4	46,731
Charlotte Dist Lib	2309	2	7/1/2019	5	165,357	5	71,105	1	2,057
Charlotte, City of	2301	8	7/1/2019	44	2,469,416	65	1,531,469	14	158,026
Cheboygan Co	1603	6	1/1/2019	132	5,807,595	105	1,572,177	15	143,268
Cheboygan CRC	1601	3	1/1/2019	30	1,231,426	63	1,381,680	6	93,272
Cheboygan, City of	1602	6	7/1/2019	27	1,304,056	33	599,386	4	26,117
Chelsea Area Fire Auth	8118	1	3/1/2019	10	592,061	1	15,848	4	25,707
Chelsea, City of	8103	3	7/1/2019	3	287,745	38	1,040,053	6	88,619
Chesaning, Vlg of	7313	5	3/1/2019	9	384,402	14	250,389	5	24,351
Chesterfield Twp	5009	3	1/1/2019	139	8,308,463	70	1,704,090	20	300,444
Chesterfield Twp Lib	5010	1	1/1/2019	5	255,713	3	75,267	4	46,393
Chikaming Twp	1112	2	4/1/2019	20	816,114	8	147,438	1	9,865
Chippewa Co	1703	15	1/1/2019	162	7,783,548	168	2,666,820	26	201,852
Chippewa Co - Emplmt & Trng Cl	1710	1	1/1/2019	0	0	13	144,387	1	17,977
Chippewa CRC	1704	2	1/1/2019	60	3,211,709	87	1,365,333	4	49,929
Chippewa River Dist Lib	3707	3	1/1/2019	14	715,683	6	146,018	6	75,117
Chocolay, Chtr Twp of	5218	1	1/1/2019	14	634,212	6	42,406	2	53,584
Clare Co	1802	6	1/1/2019	152	5,859,621	88	1,263,014	34	291,114
Clare Co Trans Auth	1806	1	10/1/2019	3	160,744	1	8,895	1	1,368
Clare CRC	1801	4	7/1/2019	37	1,816,097	43	865,201	2	12,893
Clare, City of	1804	2	7/1/2019	27	1,266,188	25	533,358	9	100,687
Clawson, City of	6305	3	7/1/2019	12	862,154	61	1,954,176	3	47,943
Clay Twp	7706	9	7/1/2019	34	1,845,779	29	510,903	4	82,272
Clearwater Twp	4005	1	4/1/2019	1	34,512	1	12,217	0	0
Clinton Co	1903	7	1/1/2019	118	6,352,469	162	2,769,271	41	516,057
Clinton CRC	1901	7	1/1/2019	43	2,353,336	56	1,410,839	5	86,080
Clinton Twp	5002	18	4/1/2019	152	8,977,328	194	5,015,611	19	305,638
Clinton, Vlg of	4602	4	4/1/2019	15	909,538	18	332,125	1	13,342
Clinton-Eaton-Ingham CMH	3308	7	10/1/2019	800	38,182,016	472	9,970,582	141	1,504,250
Clio, City of	2523	1	7/1/2019	16	664,345	7	104,466	5	17,006
CMH for Central Mich	3708	1	10/1/2019	355	18,986,727	234	4,156,264	97	885,376
Coldwater Brd of Pub Util	1203	3	7/1/2019	12	858,422	34	893,734	6	49,196
Coldwater, City of	1201	6	7/1/2019	11	745,475	62	1,340,904	6	55,586
Coleman, City of	5603	2	7/1/2019	9	436,988	8	169,292	0	0
Coloma Chtr Twp	1107	2	4/1/2019	14	708,035	3	114,222	2	30,508
Coloma, City of	1118	1	4/1/2019	6	266,409	0	0	0	0
Columbiaville, Vlg of	4406	1	3/1/2019	4	195,569	3	14,288	0	0
Constantine, Vlg of	7806	1	4/1/2019	2	101,887	0	0	2	14,166
Coopersville Area Dist Lib	7011	2	7/1/2019	1	48,000	3	30,747	1	2,501
Coopersville, City of	7005	1	7/1/2019	16	773,299	14	163,635	7	93,700
Corunna City of	7604	6	7/1/2019	12	620,401	16	367,467	3	15,206
Corwith Twp	6904	1	4/1/2019	7	79,259	0	0	2	3,630
Covert Twp	8010	1	7/1/2019	16	869,980	2	61,233	2	18,200
Crawford Co	2001	7	10/1/2019	46	2,147,512	81	1,125,947	22	139,549
Crawford Co Trans Auth	2004	1	10/1/2019	19	692,346	14	305,604	4	60,695
Crawford CRC	2002	4	10/1/2019	30	1,485,598	31	574,858	0	0
Croswell, City of	7401	3	7/1/2019	27	1,543,834	23	601,616	6	80,056

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Crystal Falls Cmnty Hosp CLD	3618	2	1/1/2019	0	0	78	326,118	35	54,486	
Crystal Falls, City of	3603	4	1/1/2019	15	880,799	25	596,447	8	54,358	
Ctrl Dispatch of Muskegon Co	6109	3	10/1/2019	35	1,806,788	22	389,213	5	69,567	
Ctrl Wayne Co Sanitation Auth	8214	2	7/1/2019	0	0	19	274,740	2	17,232	
Davison Richfield Sr CCA	2525	1	7/1/2019	1	47,234	1	28,339	0	0	
Davison Twp	2519	2	7/1/2019	37	2,207,386	14	508,959	4	45,068	
Davison, City of	2516	6	7/1/2019	16	948,886	19	737,164	3	27,160	
Dearborn, City of	8251	3	7/1/2019	169	12,469,883	0	0	1	1,824	
Deerfield, Vlg of	4603	1	3/1/2019	5	206,941	4	106,883	2	54,934	
Delta Area Transit Auth	2107	1	10/1/2019	1	58,943	0	0	0	0	
Delta Chtr Twp	2306	1	1/1/2019	44	2,698,925	15	678,635	7	104,228	
Delta Co	2102	8	10/1/2019	44	2,051,194	114	2,332,570	16	203,741	
Delta CRC	2105	6	1/1/2019	33	1,450,708	44	831,823	4	53,593	
Delta-Menominee Dist Hlth Dept	2103	3	1/1/2019	40	1,617,942	34	477,674	27	167,441	
Detour, Vlg of	1706	1	4/1/2019	8	180,170	5	29,217	1	7,641	
Detroit HC	8241	5	7/1/2019	118	6,362,792	33	546,374	45	449,511	
DeWitt Chtr Twp	1910	4	1/1/2019	15	1,042,415	7	287,737	5	56,353	
DeWitt, City of	1908	6	7/1/2019	16	873,539	18	333,456	13	89,705	
Dexter Area Fire Dept	8219	1	1/1/2019	8	605,710	3	60,234	0	0	
Dexter Twp	8111	2	4/1/2019	11	260,598	9	55,249	1	876	
Dexter, City of	8217	2	7/1/2019	8	524,131	10	194,864	2	18,578	
Dickinson Co	2206	10	1/1/2019	77	3,489,040	94	2,053,691	20	259,868	
Dickinson CRC	2203	2	1/1/2019	16	849,088	47	808,791	9	85,151	
Dickinson-Iron Dist Hlth Dept	3605	4	1/1/2019	19	941,525	51	634,539	12	115,171	
Dimondale, Vlg of	2304	1	3/1/2019	3	149,980	5	42,574	1	15,341	
Dist Hlth Dept # 2	6501	2	1/1/2019	8	331,292	39	582,544	10	142,668	
Dist Hlth Dept # 4	7103	2	1/1/2019	39	1,593,217	59	1,361,630	13	90,771	
Dist Hlth Dept #10	5104	3	10/1/2019	123	5,433,184	124	2,283,673	20	110,110	
Douglas, City of Vlg of	0303	3	3/1/2019	17	884,507	14	141,075	12	113,845	
Dowagiac Dist Lib	1406	2	10/1/2019	3	110,023	1	2,862	0	0	
Dowagiac HC	1405	2	10/1/2019	5	151,972	2	19,891	2	4,712	
Dowagiac, City of	1401	7	10/1/2019	46	2,435,979	63	1,220,558	13	165,985	
Drummond Island Twp	1708	1	4/1/2019	2	86,592	1	2,170	0	0	
Dryden, Vlg of	4405	1	4/1/2019	1	37,525	3	35,295	1	18,604	
Dundee, Vlg of	5803	1	3/1/2019	8	434,195	14	315,439	3	74,513	
Durand, City of	7603	3	7/1/2019	24	1,028,857	21	393,724	4	46,668	
E UP Reg Planning & Dev Comm	1709	1	10/1/2019	5	218,345	0	0	0	0	
E UP Trans Auth	1705	3	10/1/2019	20	1,034,724	31	798,839	3	23,182	
East China Chtr Twp	7701	1	4/1/2019	16	909,435	16	586,214	2	49,591	
East Grand Rapids, City of	4101	5	7/1/2019	5	402,095	47	1,700,325	7	48,122	
East Jordan, City of	1504	4	7/1/2019	17	783,364	23	316,431	3	27,550	
East Lansing, City of	3301	22	7/1/2019	263	15,638,130	372	13,042,912	81	823,725	
Eastpointe HC	5011	1	7/1/2019	6	366,319	2	20,559	0	0	
Eastpointe, City of	5019	12	1/1/2019	105	7,471,419	210	6,360,740	12	242,853	
Eaton Co	2302	10	10/1/2019	341	17,610,631	298	8,726,753	69	950,865	
Eaton Co Hlth & Rehab Svcs	2305	4	1/1/2019	204	8,771,631	49	450,265	13	69,577	
Eaton Rapids, City of	2307	8	7/1/2019	33	1,860,156	32	953,561	16	158,595	
Eau Claire, Vlg of	1104	1	3/1/2019	1	50,646	2	38,836	0	0	
Ecorse, City of	8206	9	7/1/2019	25	1,650,070	134	3,786,971	13	183,997	
Elk Rapids, Vlg of	0506	1	3/1/2019	20	1,004,865	5	115,263	1	3,456	
Elkton, Vlg of	3206	2	3/1/2019	2	82,850	5	45,157	2	5,459	
Elsie, Vlg of CLD	1906	1	4/1/2019	0	0	3	12,278	0	0	
Emmet CRC	2401	3	1/1/2019	11	650,370	39	926,563	1	1,753	
Emmet, Chtr Twp	1310	3	4/1/2019	23	1,266,869	13	219,484	11	121,033	
Erie, Twp of	5812	1	7/1/2019	3	125,707	0	0	0	0	
Escanaba, City of	2101	6	7/1/2019	38	1,882,609	119	2,494,532	13	143,439	
Essexville, City of	0903	6	7/1/2019	17	865,467	21	507,088	7	97,153	
Evart Local Dev Finance Auth	6706	2	7/1/2019	1	28,743	2	37,749	0	0	
Evart, City of	6705	2	7/1/2019	11	519,248	8	117,538	8	61,494	
Farmington Cmnty Lib	6319	2	7/1/2019	7	401,541	30	664,334	3	13,650	
Farmington, City of	6343	6	7/1/2019	43	2,875,893	59	1,729,471	8	79,358	
Farwell, Vlg of	1805	1	3/1/2019	5	182,917	2	38,274	1	13,832	
Fenton, City of	2505	11	7/1/2019	46	2,982,123	41	912,115	5	77,509	
Ferndale HC	6345	1	1/1/2019	5	275,847	1	17,269	1	49,481	
Ferrysburg, City of	7106	1	7/1/2019	7	375,256	11	113,657	1	3,689	
Flat Rock, City of	8212	11	7/1/2019	56	3,350,656	57	1,728,103	8	233,037	
Flint Pub Lib	2518	1	7/1/2019	18	829,301	3	22,046	8	50,891	
Flint, Chtr Twp of	2512	6	1/1/2019	63	3,646,611	46	1,882,371	5	55,165	
Flint, City of	2530	19	7/1/2019	445	22,010,179	1,787	50,530,225	122	1,984,021	
Flushing, Chtr Twp of	2515	3	4/1/2019	10	555,386	13	326,886	4	16,131	
Flushing, City of	2502	4	7/1/2019	14	930,915	42	1,295,068	5	86,751	
Forsyth Twp	5212	7	4/1/2019	18	917,487	19	499,930	8	67,464	
Fowler, Vlg of	1904	1	1/1/2019	3	149,609	1	9,627	1	4,786	
Fowlerville Dist Lib	4710	1	7/1/2019	6	245,073	0	0	0	0	
Fowlerville, Vlg of	4705	1	2/1/2019	2	110,822	13	208,848	3	21,256	
Frankenmuth Wickson Dist Lib	7323	1	7/1/2019	1	59,666	0	0	0	0	

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Frankenmuth, City of	7306	4	7/1/2019	25	1,690,065	22	853,878	2	34,996
Frankfort, City of	1002	4	7/1/2019	13	687,928	18	226,112	4	27,624
Franklin, Vlg of	6323	3	7/1/2019	11	683,173	11	418,167	1	2,186
Fraser, City of	5003	7	7/1/2019	64	4,892,530	106	3,692,033	19	209,802
Fremont Area Dist Lib	6209	1	7/1/2019	5	190,435	4	60,548	4	32,998
Fremont, City of	6203	4	7/1/2019	26	1,611,679	29	721,250	4	32,648
Gaastra, City of	3617	1	7/1/2019	2	92,534	1	17,159	0	0
Garden City, City of	8255	8	7/1/2019	100	6,015,717	176	5,487,434	5	66,802
Gaylord, City of	6903	6	7/1/2019	31	1,659,963	30	851,206	2	12,518
Genesee Chtr Twp	2510	2	1/1/2019	29	1,463,602	46	1,085,153	8	119,328
Genoa Twp	4713	2	4/1/2019	2	221,282	0	0	0	0
Gerald R Ford Intl Arprt Auth	4116	2	1/1/2019	102	6,721,352	7	150,451	3	136,884
Gladstone, City of	2106	4	4/1/2019	8	525,352	40	967,427	3	14,608
Gladwin City HC	2608	1	7/1/2019	17	571,972	14	290,395	4	34,121
Gladwin Co	2602	9	1/1/2019	88	3,612,563	87	1,222,567	32	249,414
Gladwin Co Dist Lib	2607	1	1/1/2019	6	168,648	5	50,832	0	0
Gladwin CRC	2601	3	1/1/2019	30	1,336,944	37	1,061,667	4	56,796
Gladwin, City of	2605	2	7/1/2019	8	463,041	1	19,359	0	0
Gogebic-Iron WWTR Auth	2703	1	7/1/2019	7	434,114	5	104,839	0	0
Grand Beach, Vlg of	1117	1	11/1/2019	8	456,026	0	0	0	0
Grand Blanc Chtr Twp	2511	3	1/1/2019	45	3,030,298	22	915,780	2	29,598
Grand Blanc, City of	2513	4	6/1/2019	26	1,812,716	19	838,297	3	40,065
Grand Haven, City of	7010	7	7/1/2019	179	11,544,999	196	5,888,952	51	529,589
Grand Ledge Area Dist. Library	2316	1	7/1/2019	1	72,479	0	0	0	0
Grand Ledge Area ESA	2310	1	7/1/2019	9	542,893	4	47,775	5	26,675
Grand Ledge, City of	2312	3	7/1/2019	11	548,326	5	188,916	4	61,512
Grand Rapids HC	4108	1	7/1/2019	1	106,467	6	165,394	0	0
Grand Traverse Co	2803	21	1/1/2019	58	3,193,341	297	7,206,127	41	428,367
Grand Traverse CRC	2802	3	1/1/2019	2	89,172	54	911,281	3	36,828
Grand Traverse Pavilions	2809	5	1/1/2019	360	14,775,579	188	1,584,265	127	675,884
Grandville, City of	4102	6	7/1/2019	11	778,623	63	1,564,923	7	78,944
Grafiot Co	2905	4	10/1/2019	37	1,984,943	104	1,752,671	13	131,783
Grafiot CRC	2903	2	1/1/2019	34	1,669,296	53	1,165,127	1	9,585
Grayling, City of	2003	5	7/1/2019	4	219,447	20	312,842	5	68,907
Green Oak Chtr Twp	4708	3	4/1/2019	37	2,111,310	11	305,792	2	34,690
Greenville, City of	5906	1	7/1/2019	16	1,054,231	12	361,867	4	56,481
Grosse Ile Twp	8207	8	4/1/2019	47	3,157,710	45	1,614,929	7	79,396
Grosse Pointe Park, City of	8201	8	7/1/2019	67	4,801,140	90	2,869,969	7	118,766
Grosse Pointe-Clinton Ref CLD	5004	2	7/1/2019	0	0	16	216,796	0	0
Groveland Twp	6335	3	4/1/2019	13	544,646	6	49,539	1	21,185
Hackley Pub Lib	6114	1	7/1/2019	7	236,718	0	0	1	12,434
Hamburg Twp	4709	1	7/1/2019	14	1,146,980	7	240,054	6	115,479
Hamtramck HC	8250	2	1/1/2019	10	747,076	3	52,272	2	24,600
Hamtramck, City of	8205	18	7/1/2019	86	4,718,262	224	8,018,796	24	308,775
Hancock, City of	3107	1	7/1/2019	12	634,354	6	206,673	2	24,119
Harbor Beach, City of	3201	5	4/1/2019	20	1,068,436	19	425,982	2	16,382
Harbor Springs Area Swg Auth	2406	1	1/1/2019	7	386,521	2	24,077	0	0
Harbor Springs, City of	2405	1	1/1/2019	25	1,497,875	11	316,516	0	0
Harper Woods, City of	8260	11	1/1/2019	61	3,514,933	117	4,129,235	9	228,174
Harrison Dist Lib	1807	1	1/1/2019	1	27,470	1	13,456	0	0
Harrison, City of	1803	1	1/1/2019	9	397,059	12	219,437	2	27,027
Hartland Deerfield Fire Auth	4716	1	4/1/2019	3	192,295	0	0	1	19,182
Hastings, City of	0801	11	7/1/2019	56	2,167,475	75	1,228,541	19	158,006
Hazel Park, City of	6336	21	7/1/2019	99	5,784,419	164	4,988,653	15	189,327
Helen Newberry Joy Hosp	4805	1	1/1/2019	18	1,051,512	86	1,260,764	12	136,232
Henika Dist Lib	0310	1	1/1/2019	1	38,389	1	23,968	0	0
Herrick Dist Lib	7012	2	7/1/2019	23	1,178,842	52	633,804	7	37,064
Hesperia, Vlg of	6214	1	4/1/2019	0	0	0	0	1	6,596
Hiawatha Bhvrl Hlth	1707	6	10/1/2019	13	628,074	81	1,217,324	33	276,302
Hillsdale Co	3005	2	1/1/2019	34	1,700,707	21	451,833	5	48,987
Hillsdale CRC	3004	2	1/1/2019	43	2,008,719	40	696,745	1	4,064
Hillsdale HC	3007	1	7/1/2019	3	102,821	3	18,780	0	0
Hillsdale, City of	3001	8	7/1/2019	63	3,436,078	72	1,546,965	14	214,649
Hlth Source of Saginaw	7311	8	1/1/2019	103	5,482,097	286	2,919,182	104	685,320
Holland Area Cmnty Pool Auth	7014	2	7/1/2019	8	448,030	5	27,280	2	11,827
Holland Cmnty Hosp CLD	7006	1	7/1/2019	0	0	50	181,307	1	3,046
Holland, City of	7001	7	7/1/2019	172	12,178,509	333	8,498,203	61	793,102
Holly, Vlg of	6317	5	7/1/2019	22	1,232,612	35	962,080	8	74,969
Homer, Vlg of	1304	1	1/1/2019	9	352,987	9	77,102	15	51,594
Houghton Co	3102	10	1/1/2019	85	3,927,629	105	1,882,787	7	70,509

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Houghton CRC	3103	1	1/1/2019	7	423,367	8	269,234	1	34,546
Houghton Lake Pub Lib	7203	1	7/1/2019	6	197,502	3	50,444	1	1,696
Houghton, City of	3109	1	7/1/2019	27	1,504,735	3	96,191	4	72,169
Howard City, Vlg of	5902	2	3/1/2019	1	36,393	5	69,773	5	27,760
Howard Twp	1106	1	4/1/2019	2	58,139	1	4,780	1	2,885
Howell Area Fire Auth	4714	2	7/1/2019	6	360,276	2	70,239	0	0
Howell, City of	4702	8	7/1/2019	52	3,284,840	59	1,312,518	21	319,675
Howell-Carnegie Dist Lib	4707	1	7/1/2019	12	593,575	2	18,616	2	12,412
Hudsonville, City of	7004	4	7/1/2019	0	0	12	176,496	9	96,329
Huntington Woods, City of	6303	6	7/1/2019	23	1,852,318	52	1,856,915	3	32,454
Hurley Med Ctr	2521	14	7/1/2019	2,041	117,262,869	1,959	41,201,903	271	4,439,289
Huron Behavioral Health	3215	2	10/1/2019	58	3,142,097	39	715,824	21	288,571
Huron Chtr Twp	8224	4	1/1/2019	45	2,766,764	28	1,047,149	15	265,819
Huron Co	3204	4	1/1/2019	322	12,955,667	262	4,867,436	43	373,133
Huron CRC	3202	4	1/1/2019	62	3,099,757	56	1,557,317	5	93,052
Imlay City, City of	4404	7	7/1/2019	18	1,045,576	29	540,328	5	26,457
Independence Twp	6328	1	1/1/2019	31	2,282,419	14	556,433	2	49,064
Indianfields Twp CLD	7905	1	4/1/2019	0	0	13	28,209	6	6,561
Ingham Co	3303	64	1/1/2019	1,250	69,276,611	1,354	28,059,574	272	3,014,970
Interurban Trans Auth	0308	1	10/1/2019	5	218,784	4	104,334	0	0
Ionia Cmnty Lib	3412	1	7/1/2019	6	229,636	3	42,452	1	14,357
Ionia Co	3408	6	1/1/2019	65	3,134,139	21	382,517	15	154,819
Ionia CRC	3404	2	1/1/2019	33	1,732,195	49	1,132,804	2	31,322
Ionia HC	3406	1	10/1/2019	4	165,322	3	82,505	0	0
Ionia, City of	3403	10	7/1/2019	44	2,959,191	48	1,165,245	10	115,498
Iosco Co	3501	9	1/1/2019	129	4,553,914	154	1,645,508	45	256,619
Iosco CRC	3502	2	1/1/2019	19	977,653	37	809,443	2	33,741
Iron Co	3606	12	1/1/2019	277	11,195,231	190	1,973,434	50	355,244
Iron Co HC	3611	1	10/1/2019	3	220,601	4	10,152	3	6,740
Iron CRC	3602	5	1/1/2019	21	1,034,380	46	964,058	2	28,186
Iron Mountain, City of	2201	4	7/1/2019	21	1,030,085	48	1,059,625	2	5,400
Iron Mountain-Kingsford Swg	2205	1	7/1/2019	5	270,456	2	32,208	1	8,881
Iron River, City of	3601	3	7/1/2019	12	570,789	36	650,339	5	80,214
Ironwood, City of	2706	11	7/1/2019	39	1,937,933	85	1,474,306	5	72,983
Isabella Co	3703	9	10/1/2019	106	5,030,738	212	3,364,009	66	665,992
Isabella Co Trans Comm	3709	1	10/1/2019	14	624,046	6	149,913	0	0
Isabella CRC	3702	3	10/1/2019	34	1,675,604	39	709,899	10	117,172
Ishpeming Area Joint Wwtr Trtm	5207	2	1/1/2019	7	371,739	3	61,883	1	6,750
Ishpeming Twp	5216	1	4/1/2019	11	285,726	10	110,880	1	4,504
Ishpeming, City of	5204	3	1/1/2019	27	1,312,420	41	1,049,831	4	45,215
Ithaca, City of	2904	3	7/1/2019	3	144,643	18	389,333	4	21,857
Jackson Dist Lib	3802	2	1/1/2019	40	1,892,439	38	407,860	5	63,731
Jackson Trans Auth	3805	2	10/1/2019	43	1,794,046	22	360,265	3	52,380
Jordan Valley Dist Lib	1507	1	7/1/2019	1	71,718	0	0	1	7,158
Jordan Valley EMS Auth	1509	2	4/1/2019	5	201,020	1	8,758	0	0
Kalamazoo Lake Swr & Wtr Auth	0306	2	3/1/2019	9	420,654	7	86,391	5	50,720
Kalamazoo Pub Lib	3903	2	7/1/2019	63	3,390,601	14	238,280	13	107,957
Kalamazoo, Chtr Twp of	3907	1	1/1/2019	36	2,273,545	12	568,421	0	0
Kalkaska Co	4003	6	1/1/2019	96	3,330,925	85	1,333,070	33	250,646
Kalkaska CRC	4002	4	1/1/2019	25	1,059,267	43	754,535	17	226,233
Kalkaska Pub Trans Auth	4004	1	10/1/2019	10	312,413	12	144,070	1	4,158
Kalkaska, Vlg of	4001	6	3/1/2019	12	511,087	17	411,514	4	24,621
Keego Harbor, City of	6322	4	7/1/2019	5	354,951	18	319,189	3	23,506
Kent CRC	4111	1	10/1/2019	0	0	5	34,357	0	0
Keweenaw Co	4202	4	1/1/2019	18	792,320	11	161,152	4	32,964
Keweenaw CRC	4201	3	1/1/2019	15	758,819	23	512,026	1	10,560
Kinde, Vlg of	3209	1	2/1/2019	1	40,865	1	17,256	0	0
Kingsford, City of	2202	5	7/1/2019	18	880,063	23	508,885	2	14,444
L.M.A.S. Dist Hlth Dept	4803	2	10/1/2019	33	1,429,759	118	642,075	107	393,234
Lac Vieux Desert Band	8402	1	1/1/2019	8	403,240	2	19,797	4	20,016
Laingsburg, City of	7608	1	7/1/2019	5	206,215	2	24,490	1	8,022
Lake Co	4301	5	1/1/2019	126	5,431,307	79	981,898	30	158,000
Lake CRC	4302	2	1/1/2019	30	1,393,348	43	835,764	3	31,662
Lake Linden, Vlg of	3105	2	3/1/2019	4	197,032	9	104,102	5	20,544
Lake Odessa, Vlg of	3402	1	3/1/2019	2	129,772	2	30,754	0	0
Lake Orion, Vlg of	6318	4	7/1/2019	5	280,322	13	291,002	4	19,643
Lakeland Lib Coop	4106	2	10/1/2019	7	342,055	4	52,113	2	12,124
Lakeshore Coordinating Council	7007	1	10/1/2019	0	0	10	96,301	11	43,163
Lakeview Cemetery	2407	1	1/1/2019	2	72,266	0	0	0	0
L'Anse, Vlg of	0705	1	7/1/2019	19	973,185	20	431,388	1	1,586
Lansing Chtr Twp	3320	4	1/1/2019	45	2,569,834	12	411,389	6	19,223
Lansing HC	3311	3	7/1/2019	27	1,304,971	38	681,019	13	150,500
Lapeer Co	4403	10	1/1/2019	711	28,965,529	373	5,583,420	140	1,298,668
Lapeer CRC	4402	9	1/1/2019	50	2,584,463	58	1,167,409	5	38,118
Lapeer Dist Lib	4410	1	1/1/2019	20	684,787	20	335,787	4	44,350
Lapeer, City of	4401	6	7/1/2019	67	4,254,076	64	1,358,493	20	150,662
Lathrup Vlg, City of	6311	5	7/1/2019	5	504,653	20	612,152	1	5,790



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Laurium, Vlg of	3104	4	3/1/2019	12	441,258	11	104,132	2	6,348
Lawrence, Vlg of	8004	2	3/1/2019	0	0	6	13,086	3	1,663
Leelanau Co	4501	5	1/1/2019	114	5,465,313	89	1,554,460	17	158,350
Leelanau CRC	4503	1	1/1/2019	19	874,715	27	407,808	10	99,173
Leoni Twp	3804	2	7/1/2019	15	657,662	28	438,330	19	244,360
Leslie Twp	3319	1	7/1/2019	3	100,852	1	5,537	1	750
Leslie, City of	3313	4	7/1/2019	10	445,996	6	121,692	4	27,029
Lexington, Vlg of	7708	2	7/1/2019	5	217,742	9	171,324	2	34,138
Lima Twp	8112	1	4/1/2019	6	105,193	4	30,049	0	0
Lincoln Park, City of	8244	3	7/1/2019	51	2,293,608	144	3,436,570	12	242,629
Litchfield, City of	3006	1	7/1/2019	8	384,550	6	112,517	1	12,331
Livingston Co	4703	14	1/1/2019	494	28,223,435	377	7,150,656	127	1,168,742
Livingston Co CMH Auth	4712	1	10/1/2019	92	5,058,888	59	1,034,285	44	451,985
Livingston CRC	4701	4	1/1/2019	65	3,718,540	59	1,353,351	7	91,885
Looking Glass Rgnl Fire CLD	2311	1	1/1/2019	0	0	1	8,061	2	8,055
Loutit Dist Lib	7013	1	7/1/2019	15	572,655	6	83,662	2	12,125
Lowell, City of	4104	4	7/1/2019	34	2,164,938	35	907,289	8	172,603
Luce Co	4804	5	1/1/2019	27	943,168	37	422,448	13	63,464
Luce Co Amb Svs	4806	1	1/1/2019	5	205,137	0	0	1	7,260
Luce CRC	4801	6	1/1/2019	15	682,032	33	797,002	3	58,110
Ludington, City of	5302	2	1/1/2019	50	2,172,067	68	1,360,410	4	46,288
Luna Pier, City of	5802	3	7/1/2019	4	178,738	13	378,809	2	16,914
Lyons, Vlg of	3411	1	3/1/2019	0	0	2	18,824	0	0
Mackinac Co	4901	4	1/1/2019	22	953,966	62	1,069,147	14	136,828
Mackinac Co HC	4905	1	7/1/2019	1	25,150	2	30,599	0	0
Mackinac CRC	4903	3	1/1/2019	9	440,784	34	642,906	0	0
Mackinac Straits Hlth Sys	4902	2	7/1/2019	245	13,159,596	109	1,459,050	41	359,988
Mackinaw City, Vlg of	1606	1	3/1/2019	6	339,038	1	26,667	1	15,066
Madison Heights, City of	6308	6	7/1/2019	48	2,965,039	128	2,660,002	21	237,902
Madison, Chtr Twp of	4605	1	1/1/2019	15	740,745	7	72,223	1	15,377
Manistee Co	5101	15	10/1/2019	233	9,480,921	208	3,019,155	79	581,038
Manistee CRC	5103	6	10/1/2019	31	1,241,107	43	857,892	4	82,648
Manistee HC	5107	1	1/1/2019	8	304,366	4	29,267	2	13,387
Manistee, City of	5105	9	7/1/2019	55	2,934,617	52	1,173,284	6	96,996
Manistique, City of	7504	4	7/1/2019	24	1,416,841	33	874,738	3	32,006
Manlius Twp	0311	1	4/1/2019	4	51,380	2	31,690	1	2,075
Manton, City of	8304	2	12/1/2019	4	165,532	11	179,459	2	18,380
Marenisco Twp	2704	2	4/1/2019	3	142,223	2	26,435	0	0
Marine City, City of CLD	7704	2	7/1/2019	0	0	2	2,705	0	0
Marion, Vlg of	6704	2	3/1/2019	5	172,112	6	27,573	1	607
Marlette, City of	7405	1	7/1/2019	10	434,740	4	120,427	2	15,658
Marquette Brd of Light & Power	5209	7	10/1/2019	37	3,351,949	105	3,164,412	1	19,591
Marquette Chtr Twp	5215	2	1/1/2019	21	1,199,004	4	44,060	2	19,922
Marquette Co	5202	15	1/1/2019	290	10,456,820	345	7,142,012	44	407,415
Marquette Co Solid Waste Mgmt	5213	4	7/1/2019	19	1,159,160	6	97,020	2	61,876
Marquette Co Trans Auth	5206	2	10/1/2019	22	884,343	22	227,756	1	6,903
Marquette CRC	5211	8	1/1/2019	54	2,933,118	73	1,806,205	19	171,467
Marquette, City of	5201	15	10/1/2019	120	6,194,214	135	3,562,527	19	245,605
Marshall Area Firefighters Amb	1313	1	7/1/2019	14	759,861	0	0	1	5,584
Marshall Dist Lib	1309	1	7/1/2019	0	0	1	41,743	0	0
Marshall, City of	1306	5	7/1/2019	52	3,220,900	88	2,253,016	15	220,901
Mason Co	5301	6	1/1/2019	117	5,530,342	193	3,216,171	40	377,541
Mason Co Dist Lib	5303	1	1/1/2019	11	296,648	12	149,571	0	0
Mason CRC	5305	2	1/1/2019	35	1,616,727	22	361,305	3	27,846
Mason, City of	3304	7	7/1/2019	45	2,287,596	35	1,107,482	13	173,558
Mason-Oceana 911	6403	2	1/1/2019	14	622,591	5	76,974	3	64,713
MBS Intl Arpt	0902	6	1/1/2019	25	1,280,545	23	710,591	4	61,313
Meceola Central Dispatch	5405	1	1/1/2019	17	747,558	10	125,831	4	20,575
Mecosta Co	5403	8	1/1/2019	37	1,871,843	121	2,117,871	35	337,329
Mecosta Co General Hosp CLD	5404	2	1/1/2019	0	0	117	650,881	61	207,578
Mecosta CRC	5401	3	1/1/2019	47	1,862,152	58	791,316	7	72,448
Melvindale HC	8220	2	1/1/2019	7	298,364	4	80,401	5	56,980
Melvindale, City of	8215	6	1/1/2019	17	1,268,997	95	3,195,809	3	82,385
Menominee Co	5502	10	10/1/2019	68	3,556,509	98	1,257,701	12	153,590
Menominee CRC	5503	3	1/1/2019	7	397,339	12	271,456	1	30,001
Menominee, City of	5501	3	9/1/2019	31	1,406,208	51	589,584	13	151,962
Meridian Chtr Twp	3315	9	1/1/2019	110	6,324,075	86	3,193,386	28	315,794
MERS	2308	2	1/1/2019	128	10,643,044	38	852,690	39	606,086
Metamora Twp	4409	1	4/1/2019	5	259,218	3	38,694	2	34,901
Metro Police Authority of Gene	2532	2	1/1/2019	24	1,592,657	14	392,689	4	44,758
Mich Muni Risk Mgmt Auth	8237	1	7/1/2019	1	254,020	0	0	0	0

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Mich S Central Power Agcy	3002	3	7/1/2019	6	568,990	32	861,785	23	606,433
Middleville, Vlg of	0803	6	1/1/2019	7	378,506	9	93,328	3	12,528
Midland Co Central Disp Auth	5604	2	1/1/2019	18	994,008	6	101,979	3	86,591
Midland CRC	5602	5	1/1/2019	37	1,995,964	63	1,479,041	0	0
Midland, City of	5601	7	7/1/2019	121	7,684,171	340	10,758,332	23	444,831
Mid-Mich Dist Hlth Dept	5901	4	10/1/2019	73	3,148,825	52	523,473	39	309,407
Mid-Mich Lib League	8306	1	10/1/2019	1	68,211	4	59,925	2	15,222
Mid-Peninsula Lib Coop CLD	3609	1	10/1/2019	0	0	3	22,106	0	0
Milan Lib	5806	1	7/1/2019	2	80,103	2	31,059	0	0
Milan, City of	5801	8	7/1/2019	9	638,870	41	928,587	9	121,135
Milford, Vlg of	6313	7	7/1/2019	21	1,582,332	27	809,646	9	106,886
Millington, Vlg of	7904	2	3/1/2019	7	285,771	6	105,944	0	0
Missaukee Co	5702	4	10/1/2019	31	1,601,473	16	314,752	8	88,758
MOA Solid Waste Mgmt Auth	6002	1	1/1/2019	6	212,900	2	45,260	1	12,755
Monroe HC	5808	1	10/1/2019	8	425,602	6	169,702	2	16,160
Montague, City of	6112	5	7/1/2019	15	1,012,948	15	326,411	2	22,577
Montcalm Co	5907	6	10/1/2019	74	4,046,023	93	1,570,883	23	177,777
Montcalm CRC	5905	4	10/1/2019	48	2,309,746	51	1,167,033	5	85,183
Montmorency Co	6001	5	1/1/2019	50	1,886,525	73	825,669	14	82,817
Montrose, City of	2509	2	7/1/2019	4	158,581	8	80,490	6	19,217
Mt. Morris Chtr Twp	2503	7	4/1/2019	48	2,642,584	60	2,004,383	6	45,644
Mt. Pleasant, City of	3701	5	1/1/2019	88	4,219,870	92	1,843,274	17	206,098
Muir, Vlg of	3405	1	7/1/2019	1	42,454	2	21,715	0	0
Mundy, Chtr Twp of	2517	2	1/1/2019	10	403,833	6	121,374	3	39,766
Munising, City of	0202	3	7/1/2019	22	997,001	27	492,310	5	33,658
Muskegon Area Dist Lib	6117	2	1/1/2019	20	963,823	6	74,902	0	0
Muskegon Chtr Twp	6108	4	1/1/2019	34	2,077,001	44	1,132,802	3	50,798
Muskegon Co	6103	19	10/1/2019	480	26,131,809	1,079	18,837,532	189	2,440,391
Muskegon CRC	6101	11	1/1/2019	69	3,445,109	94	1,727,352	17	143,455
Muskegon HC	6113	1	10/1/2019	6	262,581	2	49,323	1	14,690
Muskegon Heights HC	6115	1	4/1/2019	8	370,653	4	47,885	1	897
Muskegon Heights, City of	6102	7	7/1/2019	60	2,807,861	104	2,617,221	17	179,837
Muskegon, City of	6116	9	7/1/2019	118	7,645,789	314	7,188,713	33	622,193
N Houghton Co Wtr&Swg Auth	3106	2	1/1/2019	3	149,677	1	24,933	1	4,337
N Muskegon, City of	6104	3	12/1/2019	9	531,576	18	372,733	4	28,780
Nashville, Vlg of	0807	1	3/1/2019	7	271,407	0	0	2	2,535
Negaunee Twp	5217	1	4/1/2019	6	241,971	3	38,038	1	732
Negaunee, City of	5203	2	1/1/2019	21	1,033,158	42	869,083	7	95,549
Network180	4109	1	10/1/2019	66	4,689,825	46	1,379,030	37	568,986
New Baltimore, City of	5016	8	7/1/2019	58	3,283,676	39	730,130	6	77,069
New Buffalo Twp	1121	1	7/1/2019	11	466,901	0	0	0	0
New Buffalo, City of	1113	1	7/1/2019	23	1,144,636	7	121,352	8	31,307
Newaygo CMH	6207	1	10/1/2019	1	49,924	5	258,823	2	17,402
Newaygo Co	6201	8	10/1/2019	19	959,101	115	2,022,085	17	240,287
Newaygo CRC	6212	6	10/1/2019	43	1,944,053	46	672,437	4	27,823
Newaygo MCF	6204	4	1/1/2019	69	3,149,876	86	825,180	23	146,270
Newaygo Soil & Wtr Cnsvrn Dist	6205	1	9/1/2019	3	151,635	2	11,643	0	0
Newberry, Vlg of	4802	7	1/1/2019	19	703,254	28	346,243	4	17,612
Niles Dist Lib	1105	2	10/1/2019	10	355,471	7	56,805	2	17,322
Niles, City of	1115	4	10/1/2019	105	5,740,485	141	2,868,974	2	24,628
Northern Lakes CMH Auth	2808	3	1/1/2019	14	778,558	115	2,162,078	11	149,373
Northfield Twp	8117	1	7/1/2019	11	639,693	0	0	3	35,653
Northpointe Bhvrl Hlth Sys	2207	4	10/1/2019	61	3,027,806	50	723,304	35	253,060
Northville Chtr Twp	8230	5	1/1/2019	97	8,007,361	38	1,802,802	6	70,370
Northville Dist Lib	8229	1	12/1/2019	14	821,877	12	164,406	2	20,082
Northville, City of	8208	10	7/1/2019	8	731,856	61	1,543,603	10	131,788
Norton Shores, City of	6106	11	7/1/2019	87	5,957,511	112	2,835,772	11	183,284
Norway, City of	2204	4	7/1/2019	21	1,298,647	43	1,227,756	1	28,985
Nottawaseppi Huron Band	8403	1	1/1/2019	19	1,043,123	1	3,743	1	1,993
Novi, City of	6320	10	7/1/2019	143	10,616,668	189	5,912,384	51	860,610
NW Mich Cmnty Hlth Agcy	1502	1	1/1/2019	6	373,968	36	465,650	5	30,317
NW Rgnl Arpt Comm	2805	2	1/1/2019	23	1,209,422	15	384,747	3	27,053
Oceana Co	6402	7	1/1/2019	151	7,204,404	168	2,152,255	33	425,761
Oceola Twp	4717	1	7/1/2019	12	452,938	3	26,252	1	3,709
Ogemaw Co	6502	4	1/1/2019	51	2,172,507	102	1,615,764	13	91,378
Ogemaw Co EMS Auth	6508	2	10/1/2019	23	1,104,824	8	116,022	3	71,831
Ogemaw CRC	6503	3	1/1/2019	29	1,173,346	36	775,082	1	3,612
Olive Twp	7009	1	4/1/2019	2	50,706	4	26,800	0	0
Onaway, City of	7105	2	4/1/2019	3	127,740	3	42,525	4	21,244
Ontonagon Co	6602	6	1/1/2019	45	1,653,906	43	507,912	10	68,478
Ontonagon Co Economic Dev Coi	6605	1	1/1/2019	0	0	1	10,371	0	0

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Ontonagon CRC	6604	1	1/1/2019	39	2,087,805	56	1,511,185	0	0
Ontonagon, Vlg of	6603	2	4/1/2019	9	401,481	117	1,237,037	35	251,171
Orchard Lake, City of	6312	5	7/1/2019	3	251,765	13	442,695	1	8,110
Oronoko Chtr Twp	1114	2	1/1/2019	9	543,451	6	130,477	6	34,832
Osceola Co	6701	8	1/1/2019	112	4,791,086	74	753,712	59	466,489
Osceola CRC	6703	2	1/1/2019	23	945,844	42	622,341	0	0
Oscoda Chtr Twp	3503	2	1/1/2019	9	517,398	12	274,929	7	40,750
Oscoda Co	6801	6	1/1/2019	63	2,267,476	58	636,649	15	84,252
Oscoda Co Lib	6803	1	1/1/2019	1	39,700	0	0	0	0
Oscoda Wurtsmith Arprt Auth I	6802	1	10/1/2019	6	240,651	2	15,202	0	0
Otisville, Vlg of	2506	2	7/1/2019	3	140,607	5	79,359	1	1,545
Otsego Co	6902	20	1/1/2019	106	4,401,566	106	1,331,603	46	436,508
Otsego CRC	6901	4	1/1/2019	32	1,668,766	49	792,185	6	92,102
Ottawa Co	7003	16	10/1/2019	536	33,373,122	586	13,400,651	183	2,322,651
Ottawa Co Central Disp Auth	7008	2	1/1/2019	4	219,697	12	169,198	1	8,197
Ottawa CRC	7002	5	10/1/2019	83	5,076,613	140	4,119,730	14	178,597
Otter Lake, Vlg of	4408	1	3/1/2019	0	0	1	15,560	0	0
Owosso, City of	7607	2	7/1/2019	6	418,961	14	396,219	1	15,138
Oxford Fire Department	6327	3	1/1/2019	15	1,202,547	15	295,928	2	29,980
Oxford, Vlg of	6326	2	7/1/2019	8	443,494	6	157,489	6	71,256
Parchment, City of	3901	1	1/1/2019	5	228,231	16	260,906	1	6,407
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	7	10/1/2019	27	1,304,099	256	4,403,795	62	487,583
Paw Paw Lk Reg Jnt Swg Disp Bc	1103	1	4/1/2019	4	252,195	1	46,090	0	0
Paw Paw, Vlg of	8002	4	3/1/2019	29	1,588,351	25	614,502	6	55,319
Pellston, Vlg of	2404	1	1/1/2019	3	81,031	1	16,568	0	0
Pennfield Chtr Twp	1312	1	4/1/2019	15	696,915	7	106,939	2	26,866
Pentwater, Vlg of	6401	1	4/1/2019	9	429,335	13	126,340	4	32,876
Perrinton, Vlg of	2909	1	3/1/2019	1	47,020	0	0	1	5,874
Petersburg, City of	5807	1	7/1/2019	7	237,534	0	0	2	23,134
Petoskey, City of	2402	5	1/1/2019	66	4,239,130	76	1,591,838	12	172,091
Pewamo, Vlg of	3407	1	4/1/2019	2	92,156	0	0	0	0
Pigeon, Vlg of	3203	2	3/1/2019	4	230,390	5	84,377	3	24,404
Pinckney, Vlg of	4706	2	3/1/2019	13	567,344	5	139,288	6	12,717
Pinconning, City of	0904	4	7/1/2019	5	168,351	16	175,043	1	16,780
Pittsfield Chtr Twp	8110	15	1/1/2019	133	8,632,459	56	1,291,097	30	330,337
Pleasant Ridge, City of	6301	7	7/1/2019	9	528,668	18	411,327	6	30,771
Plymouth Dist Lib	8221	2	1/1/2019	13	831,923	11	302,196	1	3,365
Plymouth, Chtr Twp of	8238	5	1/1/2019	40	3,472,263	35	1,796,402	6	159,449
Plymouth, City of	8202	8	7/1/2019	0	0	56	1,546,793	6	23,815
Pokagon Band of Potawatomi	8401	1	1/1/2019	288	16,062,490	26	316,787	30	265,703
Port Austin Area Swr&Wtr Auth	3210	1	3/1/2019	0	0	2	8,739	0	0
Port Austin, Vlg of	3208	1	3/1/2019	5	164,530	5	50,712	2	1,646
Port Huron Chtr Twp	7711	1	1/1/2019	18	942,079	11	194,081	2	33,981
Port Huron HC	7712	4	7/1/2019	26	1,077,230	24	586,094	2	18,352
Port Huron, City of	7702	11	7/1/2019	229	13,944,929	374	11,196,262	36	376,358
Port Sanilac, Vlg of	7403	2	7/1/2019	4	149,066	4	74,583	1	7,368
Port Sheldon Twp	7018	1	4/1/2019	6	152,128	2	40,084	0	0
Portland, City of	3401	6	7/1/2019	31	1,968,154	40	847,369	11	148,613
Pottersville, City of	2313	1	7/1/2019	9	431,105	3	64,092	4	6,533
Presque Isle Co	7104	6	7/1/2019	69	2,327,855	63	815,381	14	110,851
Presque Isle CRC	7101	3	1/1/2019	28	1,131,678	45	773,643	0	0
PRIDE Youth Programs CLD	6210	1	10/1/2019	0	0	2	45,930	0	0
Ravenna, Vlg of	6111	1	1/1/2019	2	116,885	1	21,801	1	5,749
Reading, City of	3003	1	7/1/2019	5	196,533	4	16,693	3	5,114
Redford Twp Dist Lib	8228	1	4/1/2019	8	456,381	7	126,419	3	15,539
Redford, Chtr Twp of	8209	10	4/1/2019	98	4,321,893	177	3,891,635	35	354,277
Reed City, City of	6702	3	7/1/2019	18	848,227	27	392,960	8	40,564
Richfield Twp (Genesee Co)	2514	3	7/1/2019	12	687,447	8	273,365	5	46,709
Richfield Twp (Roscommon Co)	7202	2	4/1/2019	12	432,248	13	172,405	3	32,558
Richland Twp	7310	3	4/1/2019	13	388,986	10	353,724	3	3,865
Richmond, City of	5012	1	7/1/2019	9	459,363	3	92,461	0	0
Rochester, City of	6307	5	7/1/2019	40	2,842,863	51	1,335,597	4	102,535
Rockford, City of	4103	6	7/1/2019	29	1,723,329	28	486,549	14	174,745
Rockwood, City of	5810	3	7/1/2019	12	658,238	7	112,696	5	50,582
Rogers City, City of	7102	3	7/1/2019	19	953,186	27	746,663	9	85,949
Romeo Dist Lib	5006	1	7/1/2019	3	184,377	20	253,701	6	57,739
Romeo, Vlg of	5005	5	7/1/2019	23	1,234,259	21	397,940	2	9,854
Romulus, City of	8225	7	7/1/2019	61	4,180,129	63	3,342,881	6	182,243
Roosevelt Park, City of	6107	3	12/1/2019	6	421,031	20	354,286	8	76,748
Roscommon Co	7201	6	1/1/2019	78	3,693,147	108	1,562,789	31	293,959
Roscommon Co Trans Auth	7205	1	10/1/2019	22	741,295	14	194,023	0	0
Rose City, City of	6504	1	7/1/2019	4	135,096	4	45,393	2	6,228
Rose Twp	6506	1	4/1/2019	5	44,460	3	7,581	0	0
Royal Oak, Chtr Twp of	6306	5	1/1/2019	2	86,382	15	215,732	1	469
Saginaw Chtr Twp	7314	2	4/1/2019	39	2,585,256	30	1,254,018	7	77,883
Saginaw Co	7303	21	10/1/2019	38	2,079,913	566	12,507,211	45	347,914

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Saginaw Co 911 Com Ctr	7316	4	10/1/2019	4	282,099	31	947,775	2	36,334
Saginaw Co CMH	7318	5	10/1/2019	9	493,250	95	1,449,034	21	144,871
Saginaw CRC	7304	7	1/1/2019	71	3,756,879	104	2,177,538	7	99,806
Saginaw HC	7321	3	7/1/2019	5	211,459	11	279,092	5	88,359
Saginaw Trans Sys Auth	7319	1	10/1/2019	21	857,770	14	144,166	8	58,105
Saginaw, City of	7301	13	7/1/2019	211	11,352,264	857	29,196,659	17	306,414
Saginaw, Pub Lib of	7317	1	7/1/2019	10	559,002	5	51,676	8	69,114
Saginaw-Midland Muni Wtr Corp	7305	2	7/1/2019	7	539,645	14	304,711	1	7,353
Saline, City of	8105	5	7/1/2019	40	2,757,790	71	1,681,655	10	79,733
Sandusky Dist Lib	7404	1	1/1/2019	1	49,920	1	4,656	0	0
Sandusky, City of	7402	3	3/1/2019	18	787,955	16	328,760	4	50,948
Sanilac CRC	7410	1	1/1/2019	50	2,448,732	15	351,866	0	0
Saranac HC	3413	1	4/1/2019	4	165,946	2	36,063	0	0
Saugatuck Twp	0305	2	7/1/2019	4	212,851	4	48,228	1	12,982
Saugatuck Twp Fire Dist	0313	1	7/1/2019	5	248,199	1	31,803	0	0
Saugatuck, City of	0307	2	7/1/2019	8	429,750	14	158,326	1	4,739
Sault Ste. Marie HC	4906	1	4/1/2019	6	243,329	5	164,637	2	12,940
Sault Ste. Marie Tribe of Chip	8404	1	1/1/2019	23	1,062,203	0	0	1	981
Sault Ste. Marie, City of	1701	8	7/1/2019	76	3,761,170	90	2,015,827	9	95,311
SCCMJA	1905	2	1/1/2019	12	631,375	11	206,961	6	70,790
Schoolcraft Co	7503	15	10/1/2019	153	5,343,078	127	2,164,470	39	255,194
Schoolcraft Co Trans Auth	7506	2	10/1/2019	13	417,122	2	35,330	0	0
Schoolcraft CRC	7501	2	10/1/2019	16	838,376	42	1,175,264	5	88,309
Schoolcraft Memorial Hosp	7505	5	1/1/2019	21	985,064	79	1,489,919	23	425,639
Scio Twp	8116	2	4/1/2019	22	1,544,059	4	37,766	0	0
Scottville, City of	5308	1	7/1/2019	7	273,213	1	17,558	1	4,542
SE Oakland Co Rsrc Rec Auth	6310	3	7/1/2019	16	965,419	28	409,806	4	48,830
SE Oakland Co Wtr Auth	6309	4	7/1/2019	17	1,018,252	23	658,946	1	548
Sebewaing, Vlg of	3205	6	4/1/2019	18	1,121,492	21	533,563	4	64,682
SEMCOG	8210	2	7/1/2019	61	4,414,641	60	1,689,105	27	306,602
Shepherd, Vlg of	3704	2	3/1/2019	6	280,823	2	13,069	0	0
Shiawassee Co	7602	27	1/1/2019	434	16,737,071	388	7,684,485	134	1,262,638
Shiawassee Council on Aging	7605	1	1/1/2019	5	152,995	9	76,914	0	0
Shiawassee CRC	7601	5	1/1/2019	38	1,818,323	53	1,445,030	8	247,224
Shiawassee Dist Lib	7606	1	12/1/2019	7	383,444	2	48,641	1	9,313
Shiawassee Hlth & Wellness	7609	3	10/1/2019	118	5,471,425	63	722,037	61	462,004
Sims Whitney Util Auth	0606	1	7/1/2019	1	52,859	3	29,336	0	0
SMART	8216	10	7/1/2019	805	40,197,698	864	15,395,595	156	1,589,957
South Haven Area ESA	8005	4	1/1/2019	15	1,061,499	6	247,341	0	0
South Haven, City of	8001	7	7/1/2019	81	5,014,743	83	1,656,410	15	168,735
South Lyon, City of	6315	5	7/1/2019	40	2,643,114	27	636,030	9	132,880
Southgate, City of	8262	1	7/1/2019	43	2,308,259	80	2,074,400	4	66,957
Sparta, Vlg of	4107	5	1/1/2019	16	889,425	10	183,433	3	31,184
Spring Lake Dist Lib	7016	2	1/1/2019	8	347,588	2	56,024	0	0
Spring Lake, Vlg of	7015	3	7/1/2019	7	321,560	6	207,126	10	206,500
Springfield, City of	1303	4	7/1/2019	15	692,175	40	799,457	17	297,285
St Charles, Vlg of	7308	4	4/1/2019	7	314,983	12	268,166	4	26,682
St Clair HC	7715	1	1/1/2019	0	0	4	76,177	0	0
St Clair Shores HC	5007	1	1/1/2019	8	412,894	12	215,844	0	0
St Clair, City of	7703	8	10/1/2019	23	1,406,538	45	1,397,377	5	48,620
St Ignace, City of	4904	6	1/1/2019	26	1,122,251	32	758,016	7	34,745
St Johns, City of	1902	5	7/1/2019	14	801,333	53	1,291,847	5	45,518
St Joseph Co	7803	5	1/1/2019	179	8,624,679	133	2,359,007	51	468,443
St Louis HC	2908	1	7/1/2019	3	143,463	1	21,858	0	0
St Louis, City of	2902	4	7/1/2019	4	264,600	31	649,866	5	26,605
Stambaugh Twp	3615	1	4/1/2019	1	45,321	1	5,302	0	0
Standish, City of	0601	1	7/1/2019	1	34,639	12	226,445	1	10,081
Stanton, City of CLD	5903	1	3/1/2019	0	0	2	5,670	0	0
Stephenson, City of	5504	2	7/1/2019	4	184,505	1	9,822	0	0
Sterling, Vlg of	0605	1	4/1/2019	1	41,969	1	4,976	0	0
Stockbridge, Vlg of	3316	1	3/1/2019	5	262,935	3	33,759	1	1,757
Sturgis HC	7805	1	10/1/2019	3	112,973	0	0	1	4,161
Summit Twp	3803	3	4/1/2019	35	1,979,177	29	701,152	2	40,330
Sumpter Twp	8226	3	4/1/2019	27	1,993,740	11	293,464	1	11,633
Superior Chtr Twp	8109	2	1/1/2019	25	1,720,936	13	423,572	1	11,112
Superior Dist Lib	1702	1	7/1/2019	9	296,916	7	63,065	0	0
Superiorland Lib Coop	5208	2	10/1/2019	0	0	3	80,185	2	7,418
Suttons Bay Bingham Fire Auth	4506	1	4/1/2019	10	689,542	1	25,734	1	12,356
SW Mich Comm Amb Svcs	1119	1	7/1/2019	16	921,658	3	99,860	2	48,654
SW Shiawassee ESA	7611	1	1/1/2019	11	529,837	1	6,080	3	20,416
Swan Creek Twp	7309	1	4/1/2019	6	133,149	9	73,522	0	0
Swartz Creek, City of	2504	3	7/1/2019	2	104,656	15	521,077	0	0
Sylvan Lake, City of	6314	2	7/1/2019	5	357,970	9	144,895	1	7,728
Tawas Police Auth	3504	1	7/1/2019	1	57,717	4	73,734	3	41,686
Taylor HC	8231	1	4/1/2019	5	252,945	2	26,854	0	0
The Lib Network	8218	3	10/1/2019	31	1,218,014	27	358,680	9	82,658
Three Rivers, City of	7801	10	7/1/2019	63	3,257,494	53	1,060,743	25	316,186
Tittabawassee, Twp of	7322	1	4/1/2019	14	839,463	4	106,155	1	24,644
Traverse Area Dist Lib	2807	1	1/1/2019	35	1,646,335	32	444,502	3	18,447

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Traverse City Light & Power	2811	4	7/1/2019	37	2,883,420	58	1,996,930	4	49,864
Traverse City, City of	2801	5	7/1/2019	95	5,942,362	125	2,703,390	23	289,515
Trenton, City of	8203	2	7/1/2019	13	855,536	123	3,455,321	1	7,652
Tri-County Aging Consortium	3307	3	10/1/2019	92	3,315,387	58	460,936	20	155,953
Trio Council on Aging Inc CLD	6507	1	10/1/2019	0	0	3	22,896	1	3,287
Tuscarora Twp	1604	1	7/1/2019	8	476,850	4	85,645	1	18,941
Tuscola Co	7902	17	1/1/2019	130	5,950,007	131	2,017,848	27	285,428
Tuscola Co CMH	7907	1	10/1/2019	117	5,285,600	60	696,192	21	143,300
Tuscola Co Hlth Dpt	7901	2	1/1/2019	25	1,159,786	35	631,355	0	0
Tuscola Co MCF	7906	2	1/1/2019	334	11,939,441	96	807,874	33	144,481
Tuscola CRC	7908	3	1/1/2019	24	1,065,069	23	408,010	3	22,605
Twin City Pub Safety Auth CLD	3610	1	7/1/2019	0	0	2	6,414	1	2,929
Ubly, Vlg of	3212	1	3/1/2019	3	132,393	1	33,183	2	25,154
Utica, City of	5008	4	7/1/2019	17	1,039,185	13	314,649	0	0
Van Buren Co	8006	10	10/1/2019	256	12,078,657	94	1,757,168	21	319,451
Van Buren Dist Lib	8007	2	1/1/2019	11	414,855	7	118,846	3	16,413
Van Buren Twp	8236	2	1/1/2019	50	3,775,232	10	519,553	7	198,654
Vassar, City of	7903	3	7/1/2019	5	296,478	29	541,791	7	63,215
Vevay Twp	3318	2	4/1/2019	6	153,632	6	56,077	0	0
Vicksburg Dist Lib	3904	1	3/1/2019	1	54,366	2	9,444	1	716
Vicksburg, Vlg of	3902	2	7/1/2019	8	401,774	11	168,046	13	109,403
Vienna, Chtr Twp of	2522	1	1/1/2019	4	186,656	8	141,078	1	10,093
W Iron Co Swr Auth	3612	2	7/1/2019	3	150,978	4	88,279	1	3,902
W Mich CMH Sys	5304	1	10/1/2019	3	201,990	19	302,319	4	74,990
W Mich Shoreline Rgnl Dev Comr	6110	1	10/1/2019	10	536,904	9	263,129	3	12,557
W UP Dist Hlth Dept	3101	2	1/1/2019	22	914,626	97	1,043,142	42	293,003
Wakefield, City of	2701	1	7/1/2019	12	564,394	20	381,825	2	25,159
Walker, City of	4112	4	7/1/2019	26	1,886,004	55	1,426,082	3	63,672
Walled Lake, City of	6324	6	7/1/2019	21	1,577,339	32	885,167	13	220,520
Washtenaw Co	8113	4	1/1/2019	307	22,450,264	82	3,255,787	30	510,116
Washtenaw CRC	8102	6	10/1/2019	127	7,467,876	132	3,682,249	14	221,364
Wayland, City of	0304	2	7/1/2019	20	968,904	23	449,936	10	57,922
Wayne HC	8252	1	1/1/2019	3	129,694	2	56,059	0	0
Wayne, City of	8242	22	7/1/2019	63	4,037,226	205	7,733,682	20	353,654
Webberville, Vlg of	3314	1	4/1/2019	5	222,708	3	28,816	3	11,565
West Branch Dist Lib	6509	1	7/1/2019	4	112,903	1	19,801	0	0
West Branch, City of	6505	6	7/1/2019	18	861,167	22	391,336	1	14,760
Westland, City of	8211	14	7/1/2019	103	6,142,532	306	9,349,104	39	476,466
Westphalia, Vlg of	1907	1	3/1/2019	2	138,698	2	14,536	0	0
Wexford Co	8302	10	1/1/2019	116	5,004,252	106	1,748,668	34	399,540
Wexford CRC	8303	4	1/1/2019	28	1,367,980	43	697,177	13	143,220
White Cloud Cmnty Lib	6208	2	7/1/2019	4	135,695	1	11,946	0	0
White Cloud, City of	6206	1	7/1/2019	7	255,080	9	74,992	2	14,498
White Cloud/Sherman Util	6211	1	7/1/2019	3	121,361	2	24,546	0	0
White Lake Chtr Twp	6325	8	1/1/2019	87	5,383,432	47	1,557,578	8	136,842
White Pigeon, Vlg of	7804	1	4/1/2019	2	76,631	2	14,295	1	5,570
White Pine District Library	5904	2	7/1/2019	2	39,518	4	22,864	0	0
Whitehall, City of	6105	6	7/1/2019	22	1,343,413	24	393,857	2	22,401
Willard Pub Lib	1308	2	7/1/2019	37	1,920,389	5	81,305	1	11,839
Williamston, City of	3310	5	7/1/2019	16	849,082	19	276,970	5	57,363
Wixom, City of	6316	6	7/1/2019	26	1,975,451	54	1,835,098	14	162,859
Wolverine Lake, Vlg of	6329	3	7/1/2019	9	565,390	11	193,370	1	31,328
WUPPDR	3108	1	10/1/2019	5	190,927	4	122,225	1	15,851
Ypsilanti Cmnty Util Auth	8106	6	9/1/2019	107	6,591,541	119	3,294,147	16	278,997
Ypsilanti HC	8115	1	7/1/2019	2	150,992	4	71,418	2	19,509
Ypsilanti, City of	8101	7	7/1/2019	41	2,202,714	49	808,671	18	147,924
Ypsilanti, Twp of	8104	2	1/1/2019	70	3,619,620	63	1,223,203	12	149,920
<b>Totals - Active Groups</b>	<b>727</b>	<b>2,840</b>		<b>34,787</b>	<b>1,812,477,401</b>	<b>39,830</b>	<b>864,919,318</b>	<b>8,242</b>	<b>87,492,857</b>
<b>Totals - Closed Groups</b>	<b>16</b>	<b>20</b>		<b>0</b>	<b>0</b>	<b>318</b>	<b>1,777,346</b>	<b>119</b>	<b>347,082</b>
<b>Totals - MERS</b>	<b>743</b>	<b>2,860</b>		<b>34,787</b>	<b>1,812,477,401</b>	<b>40,148</b>	<b>866,696,664</b>	<b>8,361</b>	<b>87,839,939</b>

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix B**

<u>Municipality Name</u>	<u>Number</u>	<u>Actuarial Accrued Liability</u>					<u>Actuarial Value of Assets</u>	<u>Percent Funded</u>
		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>	<u>Total Liability</u>		
21st Dist Ct	8243	376,683	0	2,533,139	9,445	2,919,267	1,899,736	65.1%
23rd Jud Dist Ct	8223	1,285,430	419,563	2,400,634	189	4,105,816	3,029,407	73.8%
26th Jud Cir Ct	0403	815,588	884,509	2,346,492	0	4,046,589	3,503,023	86.6%
34th Dist Ct	8235	4,964,882	247,386	4,524,207	10,998	9,747,473	6,029,577	61.9%
35th Dist Ct	8234	504,593	0	4,408,132	46,970	4,959,695	2,849,623	57.5%
41 B Dist Ct	5014	3,929,775	782,163	5,276,175	17,540	10,005,653	7,561,258	75.6%
Addison Fire Dept	4607	299,451	58,024	0	0	357,475	330,661	92.5%
Adrian, City of	4601	16,553,825	1,123,486	43,902,437	243,324	61,823,072	42,384,027	68.6%
Aitkin Memorial Dist Lib	7407	0	89,285	0	0	89,285	153,062	171.4%
Albion, City of	1301	4,085,691	583,196	9,587,151	2,308	14,258,346	13,803,057	96.8%
Alcona Co	0101	6,397,071	328,885	8,352,718	1,616	15,080,290	10,260,988	68.0%
Alger Co	0203	4,304,817	104,939	9,204,593	6,943	13,621,292	9,626,653	70.7%
Alger CRC	0201	3,343,171	192,695	6,586,542	6,347	10,128,755	6,603,338	65.2%
Algonac, City of	7707	897,780	1,176,377	4,292,000	8,318	6,374,475	5,041,961	79.1%
Allegan Co	0302	18,463,215	3,287,236	46,573,857	64,182	68,388,490	67,576,553	98.8%
Allegan CRC	0301	5,309,068	244,876	18,493,845	33,529	24,081,318	14,512,870	60.3%
Allegan, City of	0309	2,605,271	990,692	2,372,764	0	5,968,727	4,322,058	72.4%
Alma, City of	2901	8,716,209	523,222	14,302,371	87,890	23,629,692	18,470,550	78.2%
Almont, Vlg of	4407	1,199,428	204,961	1,556,954	725	2,962,068	2,153,957	72.7%
Alpena Co	0401	7,703,214	1,125,281	14,039,008	22,022	22,889,525	14,331,688	62.6%
Alpena CRC	0402	2,806,231	55,256	9,948,551	0	12,810,038	9,289,710	72.5%
Alpena HC	0406	2,047,339	143,380	241,479	77	2,432,275	2,460,155	101.1%
Alpena Sr Citizens Ctr	0404	0	0	722,842	0	722,842	57,273	7.9%
Alpha, Vlg of	3614	17,196	7,152	0	0	24,348	70,083	287.8%
Antrim Co	0502	25,867,284	3,899,724	17,565,931	92,788	47,425,727	35,392,641	74.6%
Antrim CRC	0501	5,813,429	681,220	7,604,076	0	14,098,725	7,319,248	51.9%
Arenac Co	0603	5,210,389	854,440	6,870,480	8,239	12,943,548	9,429,758	72.9%
Arenac CRC	0604	1,924,131	23,232	4,744,802	1,247	6,693,412	2,514,801	37.6%
Armada Township	5022	8,616	0	0	0	8,616	21,032	244.1%
Ash Twp	5804	385,945	48,717	444,369	0	879,031	470,659	53.5%
Au Gres, City of	0602	228,108	0	2,045,298	0	2,273,406	1,615,716	71.1%
Auburn, City of	0905	2,967	113,439	1,917,109	6,341	2,039,856	1,000,180	49.0%
Bad Axe Area Dist Lib	3214	153,656	0	0	0	153,656	143,367	93.3%
Bad Axe, City of	3211	2,843,535	47,461	5,422,318	1,529	8,314,843	4,875,176	58.6%
Bancroft, Vlg of	7610	0	25,791	68,966	0	94,757	31,203	32.9%
Bangor, City of	8003	50,196	157,640	1,510,816	1,158	1,719,810	2,150,269	125.0%
Baraga Co	0702	3,333,943	415,472	3,538,457	0	7,287,872	5,104,491	70.0%
Baraga Co Memorial Hosp	0703	6,974,020	1,939,458	12,738,210	2,077	21,653,765	17,005,053	78.5%
Baraga CRC	0701	2,364,893	121,992	5,137,800	0	7,624,685	3,834,431	50.3%
Baraga, Vlg of	0704	455,102	245,396	3,165,941	0	3,866,439	1,627,459	42.1%
Baroda Lake Twp Police Dept	1109	366,817	3,582	118,808	0	489,207	373,972	76.4%
Barry Co	0802	35,791,416	3,873,289	35,797,407	172,326	75,634,438	61,773,024	81.7%
Barry Co CMH Auth	0804	5,496,868	519,998	3,760,455	78,951	9,856,272	8,320,138	84.4%
Barry Eaton Dist Hlth Dept	2303	5,932,426	2,171,557	13,041,166	130,985	21,276,134	15,912,192	74.8%
Barton Hills, Vlg of	8107	595,744	0	332,181	0	927,925	717,977	77.4%
Bates Twp	3616	0	0	295,315	0	295,315	130,443	44.2%
Bath Chtw Twp	1909	3,793,485	207,029	4,078,125	10,159	8,088,798	6,386,030	78.9%
Battle Creek, City of	1302	44,476,500	4,612,188	98,487,948	176,853	147,753,489	88,440,686	59.9%
Bay Area Trans Auth	2810	3,095,909	470,046	2,940,446	112,206	6,618,607	6,692,996	101.1%
Bay City HC	0906	2,299,050	0	6,371,323	0	8,670,373	8,682,615	100.1%
Bay City, City of	0901	11,245,468	1,035,811	62,235,760	6,556	74,523,595	55,643,814	74.7%
Bay Metro Trans Auth	0907	10,477,299	363,163	7,658,576	8	18,499,046	10,926,288	59.1%
Beecher Metro Dist Swg&Wtr	2501	1,842,570	154,790	4,801,083	0	6,798,443	4,858,161	71.5%
Belding, City of	3410	727,409	7,965	1,735,552	0	2,470,926	1,282,498	51.9%
Belleville, City of	8213	2,105,677	384,516	6,398,086	1,295	8,889,574	4,536,785	51.0%
Benton Harbor, City of	1120	2,838,027	274,337	22,350,819	80,288	25,543,471	10,528,735	41.2%
Benzie Co	1003	7,706,844	1,582,672	9,405,781	28,116	18,723,413	12,748,003	68.1%
Benzie Co Comm on Aging	1006	198,299	237,848	905,976	0	1,342,123	763,478	56.9%
Benzie Co MCF (The Maples)	1004	2,999,982	1,086,336	5,022,788	89,220	9,198,326	7,558,828	82.2%
Benzie CRC	1001	1,155,179	843,443	5,749,101	861	7,748,584	3,165,129	40.8%
Benzie Shores Dist Lib	1005	303,720	0	0	0	303,720	355,133	116.9%
Benzie Trans Auth	1007	500,744	11,670	154,303	14,820	681,537	882,166	129.4%
Benzie/Leelanau Dist Hlth Dept	4504	849,034	0	265,677	0	1,114,711	831,005	74.5%
Berkley, City of	6304	3,844,847	582,056	17,007,797	91,962	21,526,662	12,281,293	57.1%
Berrien Springs, Vlg of	1102	532,784	128,838	1,118,233	0	1,779,855	1,578,386	88.7%
Bessemer, City of	2702	1,477,647	14,373	1,185,238	2,974	2,680,232	1,815,433	67.7%
Beverly Hills, Vlg of	6321	5,782,008	902,849	18,773,072	181	25,458,110	22,199,881	87.2%
Big Rapids HC	5406	1,090,582	166,269	1,095,872	0	2,352,723	1,934,957	82.2%
Big Rapids, City of	5402	3,686,453	210,668	11,068,343	0	14,965,464	9,996,216	66.8%
Bingham Farms, Vlg of	6332	374,193	0	0	0	374,193	326,228	87.2%

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix B**

<u>Municipality Name</u>	<u>Number</u>	<u>Actuarial Accrued Liability</u>				<u>Total Liability</u>	<u>Actual Value of Assets</u>	<u>Percent Funded</u>
		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>			
Birch Run, Vlg of	7315	1,381,566	76,963	273,459	4,492	1,736,480	1,625,461	93.6%
Bishop Intl Arpt Auth	2507	7,713,975	148,625	3,156,871	21,341	11,040,812	8,858,039	80.2%
Blackman Chtr Twp	3806	6,618,374	243,840	5,911,543	2,844	12,776,601	7,811,486	61.1%
Blissfield, Vlg of	4606	1,649,752	275,400	2,258,179	0	4,183,331	3,895,674	93.1%
Bloomfield Hills, City of	6302	8,521,193	553,693	28,480,906	18,593	37,574,385	31,621,207	84.2%
Blue Water Area Trans Comm	7709	7,761,926	289,295	2,461,154	0	10,512,375	8,296,354	78.9%
Boyne City HC	1508	212,106	336,204	660,475	1,492	1,210,277	731,906	60.5%
Boyne City, City of	1506	2,636,098	208,311	6,520,329	9,451	9,374,189	7,205,417	76.9%
Branch Co	1205	34,257,167	3,864,367	20,768,467	158,012	59,048,013	45,649,541	77.3%
Branch-Hillsdale-St Joseph Com	1202	4,774,257	1,780,475	8,556,936	49,558	15,161,226	13,135,369	86.6%
Brandon Chtr Twp of	6333	3,468,598	222,927	3,473,372	1,026	7,165,923	5,701,869	79.6%
Breckenridge, Vlg of	2906	349,261	131,294	1,955,747	14,795	2,451,097	972,494	39.7%
Bridgeport Chtr Twp	7307	3,864,527	1,231,319	4,295,870	18,979	9,410,695	6,225,841	66.2%
Bridgman, City of	1110	698,069	325,042	1,040,125	2,717	2,065,953	1,495,702	72.4%
Brighton Area Fire Auth	4715	245,530	0	225,841	0	471,371	482,744	102.4%
Brighton, Chtr Twp of	4711	971,768	131,938	979,236	6,265	2,089,207	1,943,276	93.0%
Brighton, City of	4704	9,465,250	509,525	13,722,308	11,485	23,708,568	15,009,356	63.3%
Britton, Vlg of	4604	295,037	16,241	0	1,514	312,792	510,502	163.2%
Bronson, City of	1204	1,090,245	433,863	833,887	41,841	2,399,836	1,508,387	62.9%
Brooklyn, Vlg of	3801	278,360	9,532	886,399	24,342	1,198,633	828,142	69.1%
Brownstown, Chtr Twp of	8247	19,964,940	556,875	9,999,804	65,078	30,586,697	22,817,915	74.6%
Buchanan Dist Lib	1108	231,308	53,748	33,014	0	318,070	364,596	114.6%
Buchanan, City of	1101	3,519,784	417,792	3,639,103	46,312	7,622,991	8,183,440	107.4%
Buena Vista Chtr Twp	7312	3,294,205	724,533	8,703,263	62,226	12,784,227	8,687,690	68.0%
Burton, City of	2508	11,018,720	833,987	40,716,152	42,574	52,611,433	24,864,032	47.3%
Butman Twp CLD	2604	0	0	79,947	0	79,947	111,732	139.8%
Cadillac, City of	8301	5,582,003	807,199	9,085,976	0	15,475,178	12,519,865	80.9%
Cadillac/Wexford Trans Auth	8305	771,255	0	1,731,205	0	2,502,460	1,824,340	72.9%
Calhoun Co	1311	48,872,934	5,286,121	52,305,394	825,813	107,290,262	68,629,263	64.0%
Calhoun Co Conso Dispatch Auth	1316	3,342,965	473,267	2,214,267	2,789	6,033,288	6,234,514	103.3%
Canton Pub Lib	8232	1,827,857	226,034	2,593,254	0	4,647,145	4,692,584	101.0%
Canton, Chtr Twp of	8233	46,981,231	1,305,279	82,130,193	137,304	130,554,007	85,537,471	65.5%
Capac, Vlg of	7705	104,713	97,260	2,360,623	10,748	2,573,344	720,179	28.0%
Capital Area Dist Lib	3317	7,124,209	312,880	3,035,193	99,679	10,571,961	9,124,062	86.3%
Capital Region Arprt Auth	3305	5,784,135	1,438,765	10,428,315	5,542	17,656,757	14,039,036	79.5%
Carleton, Vlg of	5805	694,845	16,912	662,809	0	1,374,566	1,041,331	75.8%
Carrollton Twp	7320	2,460,910	218,300	1,666,987	0	4,346,197	3,350,286	77.1%
Cascade Chtr Twp	4110	5,410,152	351,754	5,133,240	3,214	10,898,360	8,572,203	78.7%
Caseville, City of	3207	1,417,692	0	1,613,240	874	3,031,806	2,259,803	74.5%
Caspian, City of	3608	214,425	57,858	954,189	0	1,226,472	652,978	53.2%
Cass Co	1402	17,350,865	768,406	14,944,849	123,724	33,187,844	24,178,544	72.9%
Cass Co MCF	1403	2,172,747	570,653	3,432,114	187,357	6,362,871	5,947,557	93.5%
Cass Dist Lib	1404	755,704	100,436	184,374	6,309	1,046,823	979,659	93.6%
Cedar Springs, City of	4105	668,723	437,126	2,395,806	14,883	3,516,538	2,796,850	79.5%
Center Line, City of	5001	1,169,820	223,083	6,922,900	55,330	8,371,133	4,031,017	48.2%
Central Lake, Vlg of	0504	238,962	4,205	0	0	243,167	232,352	95.6%
Central Mich Dist Hlth Dept	3705	6,302,447	1,765,842	14,212,918	61,466	22,342,673	15,365,142	68.8%
Charlevoix Co	1503	26,514,808	3,403,930	26,709,855	27,799	56,656,392	43,111,128	76.1%
Charlevoix CRC	1501	3,793,078	382,266	4,170,175	0	8,345,519	6,247,221	74.9%
Charlevoix, City of	1505	3,973,674	186,388	9,860,075	4,777	14,024,914	8,824,371	62.9%
Charlotte Dist Lib	2309	334,048	4,885	484,060	0	822,993	465,700	56.6%
Charlotte, City of	2301	5,660,979	1,301,056	15,822,946	27,800	22,812,781	13,257,997	58.1%
Cheboygan Co	1603	13,859,444	937,880	15,381,965	74,071	30,253,360	22,025,613	72.8%
Cheboygan CRC	1601	5,113,431	733,615	15,283,350	3,757	21,134,153	9,892,929	46.8%
Cheboygan, City of	1602	4,704,414	75,077	6,096,943	7,434	10,883,868	7,016,931	64.5%
Chelsea Area Fire Auth	8118	638,931	54,282	225,393	0	918,606	892,962	97.2%
Chelsea, City of	8103	1,611,849	399,531	11,018,690	0	13,030,070	10,123,056	77.7%
Chesaning, Vlg of	7313	562,400	126,033	2,739,272	0	3,427,705	755,834	22.1%
Chesterfield Twp	5009	20,272,878	1,778,376	18,510,949	52,348	40,614,551	31,265,684	77.0%
Chesterfield Twp Lib	5010	294,564	261,245	757,983	5,478	1,319,270	1,565,404	118.7%
Chikaming Twp	1112	902,434	31,946	1,506,755	12,171	2,453,306	1,746,419	71.2%
Chippewa Co	1703	18,002,481	1,616,352	26,526,564	125,146	46,270,543	32,023,560	69.2%
Chippewa Co - Emplmt & Trng CL	1710	0	165,920	1,477,803	5,208	1,648,931	2,115,497	128.3%
Chippewa CRC	1704	6,611,326	303,839	13,430,973	0	20,346,138	10,308,091	50.7%
Chippewa River Dist Lib	3707	1,488,308	401,319	1,365,977	24,686	3,280,290	2,779,323	84.7%
Chocoway, Chtr Twp of	5218	817,905	512,310	413,531	22,206	1,765,952	1,782,722	100.9%
Clare Co	1802	10,809,719	1,678,896	11,638,301	105,711	24,232,627	17,433,314	71.9%
Clare Co Trans Auth	1806	198,155	10,509	87,707	0	296,371	209,496	70.7%
Clare CRC	1801	4,058,862	57,657	8,342,483	15,108	12,474,110	8,708,600	69.8%
Clare, City of	1804	2,938,247	561,890	5,670,889	10,290	9,181,316	5,648,278	61.5%
Clawson, City of	6305	5,153,037	254,900	19,717,230	7,133	25,132,300	11,012,457	43.8%
Clay Twp	7706	4,477,316	405,929	5,235,411	50,579	10,169,235	6,603,413	64.9%

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		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>			
Clearwater Twp	4005	28,895	0	106,935	0	135,830	102,635	75.6%
Clinton Co	1903	25,765,665	4,486,105	27,768,139	4,246	58,024,155	59,683,370	102.9%
Clinton CRC	1901	7,449,453	579,311	15,060,116	22,212	23,111,092	14,790,315	64.0%
Clinton Twp	5002	25,131,839	1,957,070	48,964,470	145,479	76,198,858	46,421,915	60.9%
Clinton, Vlg of	4602	2,507,746	119,046	3,269,677	0	5,896,469	5,743,028	97.4%
Clinton-Eaton-Ingham CMH	3308	75,780,114	9,481,275	99,808,521	993,686	186,063,596	139,178,236	74.8%
Clio, City of	2523	734,981	54,922	1,068,096	8,889	1,866,888	1,459,550	78.2%
CMH for Central Mich	3708	33,570,375	5,054,556	40,792,135	25,037	79,442,103	66,800,443	84.1%
Coldwater Brd of Pub Util	1203	3,694,875	284,612	8,797,055	0	12,776,542	7,682,998	60.1%
Coldwater, City of	1201	4,040,863	357,252	12,352,087	15,958	16,766,160	12,664,562	75.5%
Coleman, City of	5603	1,124,723	0	1,783,931	3,362	2,912,016	1,936,420	66.5%
Coloma Chtr Twp	1107	1,072,305	187,200	1,225,587	10,465	2,495,557	1,641,159	65.8%
Coloma, City of	1118	1,019,198	0	0	0	1,019,198	918,889	90.2%
Columbiaville, Vlg of	4406	450,417	0	101,461	0	551,878	423,994	76.8%
Constantine, Vlg of	7806	9,415	34,928	0	11,745	56,088	117,376	209.3%
Coopersville Area Dist Lib	7011	166,960	7,383	329,401	3,221	506,965	273,872	54.0%
Coopersville, City of	7005	821,340	559,474	1,551,863	263	2,932,940	2,400,908	81.9%
Corunna City of	7604	1,607,335	102,996	4,043,624	4,995	5,758,950	4,103,946	71.3%
Corwith Twp	6904	116,125	30,362	0	0	146,487	143,015	97.6%
Covert Twp	8010	1,099,238	69,705	726,534	16,346	1,911,823	1,400,655	73.3%
Crawford Co	2001	9,272,124	827,207	11,173,625	2,874	21,275,830	22,153,991	104.1%
Crawford Co Trans Auth	2004	2,130,025	503,068	3,412,745	3,639	6,049,477	4,592,278	75.9%
Crawford CRC	2002	3,927,859	0	5,895,989	0	9,823,848	3,948,031	40.2%
Crosswell, City of	7401	4,140,494	371,611	6,179,859	276	10,692,240	6,043,094	56.5%
Crystal Falls Cmnty Hosp CLD	3618	0	570,225	2,993,821	0	3,564,046	3,986,276	111.8%
Crystal Falls, City of	3603	2,437,405	532,641	6,366,704	0	9,336,750	5,716,118	61.2%
Ctrl Dispatch of Muskegon Co	6109	2,731,941	300,276	3,685,575	86,552	6,804,344	5,746,745	84.5%
Ctrl Wayne Co Sanitation Auth	8214	0	127,225	2,148,841	0	2,276,066	1,830,998	80.4%
Davison Richfield Sr CCA	2525	70,357	0	236,970	0	307,327	175,674	57.2%
Davison Twp	2519	8,822,974	236,618	6,340,731	12,628	15,412,951	11,803,254	76.6%
Davison, City of	2516	3,157,014	163,326	9,954,773	19,616	13,294,729	6,674,315	50.2%
Dearborn, City of	8251	15,109,519	3,707	0	49,315	15,162,541	14,675,623	96.8%
Deerfield, Vlg of	4603	208,278	424,103	977,543	0	1,609,924	1,130,815	70.2%
Delta Area Transit Auth	2107	66,281	0	0	0	66,281	53,759	81.1%
Delta Chtr Twp	2306	5,789,660	996,059	8,653,539	41,957	15,481,215	12,327,156	79.6%
Delta Co	2102	10,991,477	1,469,329	26,627,740	976	39,089,522	27,886,644	71.3%
Delta CRC	2105	3,416,446	409,507	8,769,964	0	12,595,917	6,983,310	55.4%
Delta-Menominee Dist Hlth Dept	2103	4,332,674	1,145,866	5,589,981	14,864	11,083,385	9,990,830	90.1%
Detour, Vlg of	1706	203,511	66,734	246,972	0	517,217	213,041	41.2%
Detroit HC	8241	11,047,576	2,384,844	5,671,853	69,039	19,173,312	18,505,680	96.5%
DeWitt Chtr Twp	1910	2,179,504	345,226	3,788,935	9,484	6,323,149	4,513,842	71.4%
DeWitt, City of	1908	1,651,459	423,393	3,304,936	1,344	5,381,132	2,954,748	54.9%
Dexter Area Fire Dept	8219	1,171,710	0	587,618	0	1,759,328	1,133,554	64.4%
Dexter Twp	8111	432,629	3,765	478,781	20,059	935,234	751,941	80.4%
Dexter, City of	8217	1,924,009	54,559	2,118,214	0	4,096,782	3,604,864	88.0%
Dickinson Co	2206	10,905,882	1,797,342	23,470,465	148,820	36,322,509	21,818,639	60.1%
Dickinson CRC	2203	2,437,038	500,666	7,864,395	0	10,802,099	5,218,793	48.3%
Dickinson-Iron Dist Hlth Dept	3605	3,074,460	905,082	5,902,412	9,444	9,891,398	6,498,832	65.7%
Dimondale, Vlg of	2304	580,037	35,008	336,503	0	951,548	776,712	81.6%
Dist Hlth Dept # 2	6501	1,203,705	1,218,118	5,336,900	21,105	7,779,828	6,093,247	78.3%
Dist Hlth Dept # 4	7103	3,967,581	896,937	15,917,217	9,547	20,791,282	12,944,746	62.3%
Dist Hlth Dept #10	5104	4,615,657	815,789	24,031,488	3,233	29,466,167	18,533,189	62.9%
Douglas, City of Vlg of	0303	1,681,874	507,431	1,354,472	0	3,543,777	3,547,354	100.1%
Dowagiac Dist Lib	1406	90,407	0	27,698	1,794	119,899	116,397	97.1%
Dowagiac HC	1405	53,998	23,853	168,445	0	246,296	278,366	113.0%
Dowagiac, City of	1401	7,314,952	1,097,302	12,956,901	22,726	21,391,881	11,170,681	52.2%
Drummond Island Twp	1708	193,881	0	27,486	0	221,367	198,790	89.8%
Dryden, Vlg of	4405	37,724	117,163	277,986	0	432,873	282,990	65.4%
Dundee, Vlg of	5803	651,746	422,683	3,044,727	35,520	4,154,676	2,442,044	58.8%
Durand, City of	7603	1,890,774	359,769	4,231,519	0	6,482,062	4,311,629	66.5%
E UP Reg Planning & Dev Comm	1709	260,055	0	0	4,827	264,882	385,609	145.6%
E UP Trans Auth	1705	2,508,176	141,021	9,359,421	0	12,008,618	5,439,016	45.3%
East China Chtr Twp	7701	1,835,258	363,202	6,694,228	10,538	8,903,226	5,535,079	62.2%
East Grand Rapids, City of	4101	2,888,048	314,857	15,692,625	3,008	18,898,538	9,411,895	49.8%
East Jordan, City of	1504	1,887,737	238,370	3,088,660	11,736	5,226,503	3,535,453	67.6%
East Lansing, City of	3301	43,322,194	4,233,624	142,471,398	36,465	190,063,681	101,919,898	53.6%
Eastpointe HC	5011	1,016,900	0	184,438	5,292	1,206,630	999,954	82.9%
Eastpointe, City of	5019	23,473,889	1,183,955	62,791,236	0	87,449,080	43,031,135	49.2%
Eaton Co	2302	49,443,417	6,240,513	100,886,676	479,796	157,050,402	97,685,316	62.2%
Eaton Co Hlth & Rehab Svcs	2305	7,392,952	525,207	3,991,089	493,380	12,402,628	11,241,488	90.6%



**MERS 12/31/2017 Valuation – Results By Municipality – Appendix B**

Municipality Name	Number	Actuarial Accrued Liability				Total Liability	Actuarial Value of Assets	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability			
Eaton Rapids, City of	2307	4,121,374	922,750	10,064,901	11,685	15,120,710	9,316,701	61.6%
Eau Claire, Vlg of	1104	136,442	0	374,303	1,897	512,642	192,977	37.6%
Ecorse, City of	8206	5,331,582	1,248,523	35,707,896	1,948	42,289,949	17,163,671	40.6%
Elk Rapids, Vlg of	0506	1,241,866	5,578	1,366,248	38,645	2,652,337	2,044,666	77.1%
Elkton, Vlg of	3206	256,349	49,265	316,471	0	622,085	617,974	99.3%
Elsie, Vlg of CLD	1906	0	0	130,772	1,213	131,985	207,149	156.9%
Emmet CRC	2401	4,247,586	7,920	10,160,747	0	14,416,253	9,986,001	69.3%
Emmett, Chtr Twp	1310	2,837,281	559,373	2,289,249	2,548	5,688,451	4,471,319	78.6%
Erie, Twp of	5812	92,941	0	0	19,306	112,247	130,281	116.1%
Escanaba, City of	2101	9,749,638	837,423	26,516,286	0	37,103,347	21,380,347	57.6%
Essexville, City of	0903	1,551,602	461,481	4,897,082	13,930	6,924,095	4,899,613	70.8%
Ewart Local Dev Finance Auth	6706	86,891	0	445,532	0	532,423	256,822	48.2%
Ewart, City of	6705	675,998	336,462	1,207,441	1,975	2,221,876	1,729,913	77.9%
Farmington Cmnty Lib	6319	2,380,426	97,898	6,764,820	1,536	9,244,680	9,011,922	97.5%
Farmington, City of	6343	8,176,539	355,176	17,620,460	297	26,152,472	20,969,470	80.2%
Farwell, Vlg of	1805	49,974	113,950	383,480	4,489	551,893	385,376	69.8%
Fenton, City of	2505	6,838,701	350,351	10,251,225	12,445	17,452,722	11,437,985	65.5%
Ferndale HC	6345	490,588	377,739	165,174	3,172	1,036,673	663,057	64.0%
Ferrysburg, City of	7106	1,123,415	35,657	1,100,638	0	2,259,710	1,677,279	74.2%
Flat Rock, City of	8212	7,413,894	1,600,150	17,371,710	90,177	26,475,931	12,646,374	47.8%
Flint Pub Lib	2518	1,188,099	193,075	249,491	0	1,630,665	1,904,627	116.8%
Flint, Chtr Twp of	2512	8,834,287	337,154	24,470,337	99,197	33,740,975	21,218,681	62.9%
Flint, City of	2530	56,045,797	12,969,283	485,237,412	315,604	554,568,096	199,360,187	35.9%
Flushing, Chtr Twp of	2515	2,704,020	90,728	3,160,543	0	5,955,291	3,931,698	66.0%
Flushing, City of	2502	4,816,304	666,479	15,449,948	18,016	20,950,747	10,675,756	51.0%
Forsyth Twp	5212	1,641,062	395,571	5,410,216	0	7,446,849	4,052,061	54.4%
Fowler, Vlg of	1904	306,588	33,506	105,241	0	445,335	339,551	76.2%
Fowlerville Dist Lib	4710	546,117	0	0	1,181	547,298	523,403	95.6%
Fowlerville, Vlg of	4705	720,176	131,781	2,647,215	7,227	3,506,399	3,214,903	91.7%
Frankenmuth Wickson Dist Lib	7323	207,075	0	0	0	207,075	194,672	94.0%
Frankenmuth, City of	7306	5,677,204	240,145	9,484,437	1,190	15,402,976	11,021,384	71.6%
Frankfort, City of	1002	1,369,699	110,549	2,192,207	561	3,673,016	1,967,761	53.6%
Franklin, Vlg of	6323	2,004,002	6,023	5,589,948	26,819	7,626,792	4,394,157	57.6%
Fraser, City of	5003	20,414,048	1,436,911	37,892,301	31,227	59,774,487	31,798,823	53.2%
Fremont Area Dist Lib	6209	530,242	245,808	472,858	0	1,248,908	913,505	73.1%
Fremont, City of	6203	5,383,657	283,729	7,545,512	0	13,212,898	7,952,542	60.2%
Gaastra, City of	3617	179,500	0	151,897	0	331,397	204,474	61.7%
Garden City, City of	8255	23,997,470	485,498	68,031,573	52,157	92,566,698	59,678,523	64.5%
Gaylord, City of	6903	5,515,546	76,803	9,033,986	1,953	14,628,288	8,873,612	60.7%
Genesee Chtr Twp	2510	4,968,432	767,701	13,141,698	9,238	18,887,069	9,506,392	50.3%
Genoa Twp	4713	420,322	0	0	0	420,322	363,298	86.4%
Gerald R Ford Intl Arpt Auth	4116	13,469,872	1,328,596	1,839,271	7,385	16,645,124	24,337,081	146.2%
Gladstone, City of	2106	3,428,161	103,247	9,962,126	0	13,493,534	6,711,846	49.7%
Gladwin City HC	2608	740,652	212,443	2,876,443	16,953	3,846,491	2,931,756	76.2%
Gladwin Co	2602	8,562,037	1,585,482	13,441,041	110,093	23,698,653	16,501,612	69.6%
Gladwin Co Dist Lib	2607	561,906	0	565,006	2,528	1,129,440	976,611	86.5%
Gladwin CRC	2601	5,821,144	568,071	10,368,599	13,660	16,771,474	9,797,822	58.4%
Gladwin, City of	2605	1,630,449	0	214,510	0	1,844,959	1,600,561	86.8%
Gogebic-Iron WWTR Auth	2703	2,252,855	0	1,037,207	0	3,290,062	2,357,506	71.7%
Grand Beach, Vlg of	1117	421,009	0	0	0	421,009	416,807	99.0%
Grand Blanc Chtr Twp	2511	10,738,723	127,868	12,102,474	11,033	22,980,098	15,616,737	68.0%
Grand Blanc, City of	2513	5,547,595	162,067	9,191,635	11,609	14,912,906	14,929,367	100.1%
Grand Haven, City of	7010	39,603,282	4,100,725	66,054,372	202,846	109,961,225	86,198,132	78.4%
Grand Ledge Area Dist. Library	2316	25,922	0	0	0	25,922	25,347	97.8%
Grand Ledge Area ESA	2310	1,232,614	77,572	512,146	6	1,822,338	1,551,346	85.1%
Grand Ledge, City of	2312	866,620	521,193	2,070,597	0	3,458,410	2,143,947	62.0%
Grand Rapids HC	4108	684,353	0	1,687,263	0	2,371,616	1,646,586	69.4%
Grand Traverse Co	2803	15,006,264	2,966,053	78,874,265	1,562	96,848,144	50,265,368	51.9%
Grand Traverse CRC	2802	427,309	241,486	8,528,120	0	9,196,915	8,062,758	87.7%
Grand Traverse Pavilions	2809	19,806,328	3,608,615	15,559,040	346,913	39,320,896	31,460,038	80.0%
Grandville, City of	4102	3,935,489	744,973	15,302,887	0	19,983,349	11,743,201	58.8%
Gratiot Co	2905	11,415,400	1,035,725	18,990,631	0	31,441,756	31,791,546	101.1%
Gratiot CRC	2903	5,417,045	34,043	12,923,316	0	18,374,404	11,639,517	63.3%
Grayling, City of	2003	455,520	373,806	3,218,842	0	4,048,168	2,534,507	62.6%
Green Oak Chtr Twp	4708	4,947,039	210,229	3,594,191	1,795	8,753,254	5,691,658	65.0%
Greenville, City of	5906	2,576,670	243,589	3,846,259	48,048	6,714,566	4,886,173	72.8%
Grosse Ile Twp	8207	14,793,349	585,340	18,672,754	656	34,052,099	21,448,305	63.0%
Grosse Pointe Park, City of	8201	17,430,259	643,644	28,624,715	63,780	46,762,398	26,453,792	56.6%
Grosse Pointe-Clinton Ref CLD	5004	0	0	2,100,487	41,565	2,142,052	2,726,029	127.3%
Groveland Twp	6335	1,324,313	156,824	420,428	0	1,901,565	2,583,806	135.9%
Hackley Pub Lib	6114	258,407	63,128	0	0	321,535	279,430	86.9%

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix B**

<u>Municipality Name</u>	<u>Number</u>	<u>Actuarial Accrued Liability</u>				<u>Total Liability</u>	<u>Actuarial Value of Assets</u>	<u>Percent Funded</u>
		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>			
Hamburg Twp	4709	2,317,815	373,783	2,885,639	8,974	5,586,211	3,626,337	64.9%
Hamtramck HC	8250	2,042,673	297,440	635,217	3,496	2,978,826	2,325,077	78.1%
Hamtramck, City of	8205	10,313,320	2,010,842	86,023,267	499,465	98,846,894	44,713,054	45.2%
Hancock, City of	3107	1,434,383	245,425	2,673,012	0	4,352,820	2,773,624	63.7%
Harbor Beach, City of	3201	3,734,633	88,895	4,637,618	8,182	8,469,328	6,192,780	73.1%
Harbor Springs Area Swg Auth	2406	846,888	0	255,655	0	1,102,543	990,108	89.8%
Harbor Springs, City of	2405	3,129,735	0	3,278,537	31,035	6,439,307	4,194,473	65.1%
Harper Woods, City of	8260	8,759,398	1,437,298	41,940,608	68,263	52,205,567	23,633,189	45.3%
Harrison Dist Lib	1807	106,746	0	130,493	0	237,239	168,994	71.2%
Harrison, City of	1803	1,054,985	105,237	2,495,437	0	3,655,659	2,484,436	68.0%
Hartland Deerfield Fire Auth	4716	648,293	67,795	0	0	716,088	771,705	107.8%
Hastings, City of	0801	4,284,502	823,299	11,431,921	4,209	16,543,931	8,469,539	51.2%
Hazel Park, City of	6336	18,549,293	1,101,702	50,196,118	129,399	69,976,512	34,149,099	48.8%
Helen Newberry Joy Hosp	4805	5,361,960	757,306	11,568,644	45,608	17,733,518	12,413,909	70.0%
Henika Dist Lib	0310	119,282	0	316,332	0	435,614	471,955	108.3%
Herrick Dist Lib	7012	3,043,002	188,728	5,457,774	626	8,690,130	6,862,420	79.0%
Hesperia, Vlg of	6214	0	36,168	0	1,493	37,661	72,566	192.7%
Hiawatha Bthvrl Hlth	1707	3,163,572	2,398,511	13,912,585	42,109	19,516,777	15,252,685	78.2%
Hillsdale Co	3005	3,449,162	231,898	4,847,179	622	8,528,861	5,179,989	60.7%
Hillsdale CRC	3004	4,839,795	27,503	6,941,518	4,941	11,813,757	7,381,431	62.5%
Hillsdale HC	3007	9,033	0	202,502	0	211,535	227,455	107.5%
Hillsdale, City of	3001	7,834,610	1,509,221	14,871,865	87,508	24,303,204	19,931,173	82.0%
Hlth Source of Saginaw	7311	14,966,452	4,216,121	26,643,651	10,580	45,836,804	37,126,193	81.0%
Holland Area Cmnty Pool Auth	7014	681,722	103,228	374,850	53,400	1,213,200	1,163,141	95.9%
Holland Cmnty Hosp CLD	7006	0	24,832	1,362,206	0	1,387,038	1,822,602	131.4%
Holland, City of	7001	50,031,942	4,605,299	82,297,671	11,317	136,946,229	113,071,158	82.6%
Holly, Vlg of	6317	3,331,151	284,110	10,914,245	3,486	14,532,992	7,381,828	50.8%
Homer, Vlg of	1304	617,053	254,240	750,081	0	1,621,374	1,437,319	88.6%
Houghton Co	3102	10,807,331	598,745	18,664,248	51,496	30,121,820	19,708,880	65.4%
Houghton CRC	3103	1,574,167	432,200	2,588,647	0	4,595,014	3,081,805	67.1%
Houghton Lake Pub Lib	7203	299,571	2,799	557,197	0	859,567	820,482	95.5%
Houghton, City of	3109	3,070,944	616,897	1,123,040	0	4,810,881	4,164,434	86.6%
Howard City, Vlg of	5902	87,651	150,237	646,171	0	884,059	702,453	79.5%
Howard Twp	1106	97,891	14,123	46,802	0	158,816	129,050	81.3%
Howell Area Fire Auth	4714	699,303	0	786,321	0	1,485,624	1,412,828	95.1%
Howell, City of	4702	9,949,854	2,094,858	13,435,137	63,693	25,543,542	15,654,495	61.3%
Howell-Carnegie Dist Lib	4707	1,532,182	63,488	142,184	0	1,737,854	1,594,764	91.8%
Hudsonville, City of	7004	0	593,728	1,815,992	1,549	2,411,269	1,723,468	71.5%
Huntington Woods, City of	6303	7,176,634	102,413	17,832,473	19,419	25,130,939	15,395,802	61.3%
Hurley Med Ctr	2521	182,342,514	31,317,491	389,443,275	2,212,604	605,315,884	448,538,981	74.1%
Huron Behavioral Health	3215	8,043,394	2,624,940	8,374,492	238,568	19,281,394	17,509,661	90.8%
Huron Chtr Twp	8224	9,894,077	1,070,339	13,090,643	24,153	24,079,212	16,363,909	68.0%
Huron Co	3204	32,658,420	2,880,574	52,697,952	403,869	88,640,815	62,454,709	70.5%
Huron CRC	3202	12,208,997	639,883	14,889,012	25,342	27,763,234	20,286,433	73.1%
Imlay City, City of	4404	2,403,350	138,897	5,755,717	1,991	8,299,955	5,520,180	66.5%
Independence Twp	6328	6,942,534	115,188	6,196,204	5,617	13,259,543	9,412,733	71.0%
Indianfields Twp CLD	7905	0	49,134	228,781	0	277,915	336,541	121.1%
Ingham Co	3303	164,956,048	17,661,882	287,059,318	1,563,937	471,241,185	310,347,593	65.9%
Interurban Trans Auth	0308	378,848	0	1,082,235	0	1,461,083	1,218,127	83.4%
Ionia Cmnty Lib	3412	158,545	66,445	442,637	0	667,627	466,397	69.9%
Ionia Co	3408	6,092,381	645,088	4,095,758	63,466	10,896,693	9,046,556	83.0%
Ionia CRC	3404	5,424,596	197,848	12,636,948	0	18,259,392	7,403,211	40.5%
Ionia HC	3406	433,828	0	862,089	0	1,295,917	984,392	76.0%
Ionia, City of	3403	9,545,928	776,760	12,560,715	8,172	22,891,575	11,328,759	49.5%
Iosco Co	3501	11,847,847	1,663,783	15,196,525	39,193	28,747,348	21,835,451	76.0%
Iosco CRC	3502	3,351,684	243,914	8,391,326	0	11,986,924	8,744,996	73.0%
Iron Co	3606	20,921,892	2,375,916	19,545,449	286,852	43,130,109	33,070,441	76.7%
Iron Co HC	3611	939,682	28,134	81,660	0	1,049,476	732,074	69.8%
Iron CRC	3602	3,022,957	290,443	9,733,831	0	13,047,231	5,473,345	42.0%
Iron Mountain, City of	2201	2,177,071	30,553	10,777,064	10,210	12,994,898	4,931,476	37.9%
Iron Mountain-Kingsford Swg	2205	1,094,853	34,942	331,452	485	1,461,732	985,869	67.4%
Iron River, City of	3601	1,237,209	578,289	8,033,828	0	9,849,326	5,932,764	60.2%
Ironwood, City of	2706	5,655,818	383,107	14,124,413	18,706	20,182,044	10,478,858	51.9%
Isabella Co	3703	24,415,729	4,218,905	33,243,693	49,807	61,928,134	49,665,211	80.2%
Isabella Co Trans Comm	3709	1,240,847	0	1,512,527	2,896	2,756,270	2,351,819	85.3%
Isabella CRC	3702	5,398,439	983,213	7,599,869	18,769	14,000,290	10,187,898	72.8%
Ishpeming Area Joint Wwtr Trtm	5207	1,129,009	70,529	627,376	0	1,826,914	1,904,112	104.2%
Ishpeming Twp	5216	609,934	22,489	1,182,074	1,930	1,816,427	1,653,928	91.1%
Ishpeming, City of	5204	3,806,055	349,139	12,562,397	79,854	16,797,445	8,578,370	51.1%
Ithaca, City of	2904	484,267	149,085	3,965,533	22,161	4,621,046	2,692,849	58.3%
Jackson Dist Lib	3802	3,600,509	554,295	4,041,581	24,947	8,221,332	7,991,455	97.2%

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix B**

<u>Municipality Name</u>	<u>Number</u>	<u>Actuarial Accrued Liability</u>				<u>Total Liability</u>	<u>Actuarial Value of Assets</u>	<u>Percent Funded</u>
		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>			
Jackson Trans Auth	3805	4,677,887	439,733	3,630,777	6,202	8,754,599	6,889,432	78.7%
Jordan Valley Dist Lib	1507	221,806	76,305	0	0	298,111	268,443	90.0%
Jordan Valley EMS Auth	1509	352,683	0	86,596	6,303	445,582	304,701	68.4%
Kalamazoo Lake Swr & Wtr Auth	0306	381,529	176,023	678,158	0	1,235,710	1,014,532	82.1%
Kalamazoo Pub Lib	3903	4,952,285	594,677	3,013,858	0	8,560,820	7,626,159	89.1%
Kalamazoo, Chtr Twp of	3907	7,565,904	0	6,813,619	0	14,379,523	11,311,692	78.7%
Kalkaska Co	4003	5,475,820	1,466,482	14,675,269	55,796	21,673,367	15,819,956	73.0%
Kalkaska CRC	4002	1,121,765	1,959,600	7,155,063	2,690	10,239,118	3,996,083	39.0%
Kalkaska Pub Trans Auth	4004	765,917	43,116	1,465,830	10,291	2,285,154	2,006,279	87.8%
Kalkaska, Vlg of	4001	603,848	139,284	5,090,087	4,209	5,837,428	2,832,198	48.5%
Keego Harbor, City of	6322	905,017	230,696	3,609,043	7,079	4,751,835	2,321,900	48.9%
Kent CRC	4111	0	0	165,304	0	165,304	153,165	92.7%
Keweenaw Co	4202	1,817,697	127,469	1,585,513	5,999	3,536,678	2,741,067	77.5%
Keweenaw CRC	4201	1,849,479	23,886	4,908,790	0	6,782,155	3,329,691	49.1%
Kinde, Vlg of	3209	68,611	0	182,452	0	251,063	276,779	110.2%
Kingsford, City of	2202	2,741,557	198,462	6,022,623	16,804	8,979,446	5,843,290	65.1%
L.M.A.S. Dist Hlth Dept	4803	1,521,481	2,641,783	5,946,326	722	10,110,312	7,962,897	78.8%
Lac Vieux Desert Band	8402	307,817	80,927	222,888	0	611,632	587,823	96.1%
Lainingsburg, City of	7608	342,072	19,754	248,884	6,122	616,832	554,152	89.8%
Lake Co	4301	9,516,946	681,660	9,899,205	15,657	20,113,468	14,892,854	74.0%
Lake CRC	4302	2,471,958	165,552	8,313,113	0	10,950,623	5,585,088	51.0%
Lake Linden, Vlg of	3105	196,003	82,470	1,069,524	0	1,347,997	700,933	52.0%
Lake Odessa, Vlg of	3402	25,695	0	427,965	0	453,660	412,853	91.0%
Lake Orion, Vlg of	6318	1,181,785	150,014	2,602,387	26,548	3,960,734	2,857,742	72.2%
Lakeland Lib Coop	4106	758,273	26,093	483,370	6,248	1,273,984	1,239,904	97.3%
Lakeshore Coordinating Council	7007	0	123,520	864,074	0	987,594	1,154,234	116.9%
Lakeview Cemetery	2407	121,054	0	0	0	121,054	116,582	96.3%
L'Anse, Vlg of	0705	2,422,041	5,926	4,467,223	0	6,895,190	3,378,010	49.0%
Lansing Chtr Twp	3320	5,422,965	30,465	4,289,884	8,570	9,751,884	8,369,457	85.8%
Lansing HC	3311	1,461,266	910,217	6,911,867	24,200	9,307,550	8,730,716	93.8%
Lapeer Co	4403	59,608,797	7,690,477	54,017,885	220,669	121,537,828	104,595,688	86.1%
Lapeer CRC	4402	6,401,271	213,340	11,913,502	45,436	18,573,549	11,584,215	62.4%
Lapeer Dist Lib	4410	1,163,367	247,232	3,467,658	39,474	4,917,731	3,260,904	66.3%
Lapeer, City of	4401	14,604,996	775,107	13,449,034	0	28,829,137	20,609,383	71.5%
Lathrup Vlg, City of	6311	1,872,401	38,131	6,263,145	88,393	8,262,070	6,662,192	80.6%
Laurium, Vlg of	3104	1,651,345	64,712	921,778	0	2,637,835	1,593,696	60.4%
Lawrence, Vlg of	8004	0	8,058	107,556	0	115,614	111,819	96.7%
Leelanau Co	4501	12,820,598	878,462	15,357,641	19,779	29,076,480	25,016,663	86.0%
Leelanau CRC	4503	2,714,905	804,347	4,082,975	15,189	7,617,416	6,295,649	82.6%
Leoni Twp	3804	1,077,754	1,288,709	4,094,506	28,328	6,489,297	4,417,778	68.1%
Leslie Twp	3319	429,638	5,754	57,931	0	493,323	428,040	86.8%
Leslie, City of	3313	657,555	155,493	1,213,286	890	2,027,224	1,435,138	70.8%
Lexington, Vlg of	7708	729,838	279,694	1,791,925	12,285	2,813,742	1,779,650	63.2%
Lima Twp	8112	234,679	0	199,715	0	434,394	489,093	112.6%
Lincoln Park, City of	8244	4,073,302	1,360,514	35,497,723	0	40,931,539	8,677,745	21.2%
Litchfield, City of	3006	729,729	51,819	1,230,647	7,190	2,019,385	1,350,154	66.9%
Livingston Co	4703	63,928,521	7,517,564	77,920,370	69,419	149,435,874	107,902,478	72.2%
Livingston Co CMH Auth	4712	10,860,386	2,628,464	10,009,593	0	23,498,443	20,424,534	86.9%
Livingston CRC	4701	10,389,443	583,161	13,085,901	0	24,058,505	19,036,102	79.1%
Looking Glass Rgnl Fire CLD	2311	0	61,090	82,089	0	143,179	188,467	131.6%
Loutit Dist Lib	7013	1,732,980	91,263	808,945	8,647	2,641,835	2,237,898	84.7%
Lowell, City of	4104	5,269,558	945,568	8,775,270	53,178	15,043,574	9,639,694	64.1%
Luce Co	4804	2,954,303	494,664	4,829,308	2,610	8,280,885	4,844,868	58.5%
Luce Co Amb Svs	4806	389,427	51,350	0	0	440,777	426,282	96.7%
Luce CRC	4801	1,530,783	509,778	8,871,726	0	10,912,287	4,267,737	39.1%
Ludington, City of	5302	5,254,719	293,590	14,561,225	0	20,109,534	13,658,392	67.9%
Luna Pier, City of	5802	309,051	58,098	4,571,010	27,459	4,965,618	2,377,535	47.9%
Lyons, Vlg of	3411	0	0	192,759	0	192,759	189,056	98.1%
Mackinac Co	4901	5,240,513	968,186	12,322,298	0	18,530,997	13,214,305	71.3%
Mackinac Co HC	4905	15,786	0	437,063	0	452,849	381,771	84.3%
Mackinac CRC	4903	2,004,722	0	7,444,955	0	9,449,677	4,818,159	51.0%
Mackinac Straits Hlth Sys	4902	12,200,876	2,656,724	16,165,234	173,677	31,196,511	24,022,875	77.0%
Mackinaw City, Vlg of	1606	944,056	39,426	332,178	1,050	1,316,710	1,078,428	81.9%
Madison Heights, City of	6308	12,746,213	1,647,942	26,250,609	23,354	40,668,118	42,584,619	104.7%
Madison, Chtr Twp of	4605	1,078,278	81,601	623,597	11,067	1,794,543	1,297,022	72.3%
Manistee Co	5101	20,666,079	3,712,744	29,363,660	109,666	53,852,149	39,628,454	73.6%
Manistee CRC	5103	4,201,895	556,407	8,161,389	0	12,919,691	8,544,606	66.1%
Manistee HC	5107	214,568	77,494	276,577	5,665	574,304	558,186	97.2%
Manistee, City of	5105	8,597,377	553,777	10,955,974	26,174	20,133,302	16,484,948	81.9%
Manistique, City of	7504	4,636,454	254,721	10,442,129	0	15,333,304	7,262,332	47.4%
Manlius Twp	0311	230,398	11,850	338,901	7,219	588,368	539,324	91.7%

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		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>	<u>Total Liability</u>			
Manton, City of	8304	214,785	96,555	1,728,841	0	2,040,181	717,785	35.2%	
Marenisco Twp	2704	259,866	0	250,852	0	510,718	375,348	73.5%	
Marine City, City of CLD	7704	0	0	13,026	0	13,026	37,480	287.7%	
Marion, Vlg of	6704	462,411	2,037	227,999	0	692,447	519,884	75.1%	
Marlette, City of	7405	767,956	56,299	1,320,783	0	2,145,038	1,496,930	69.8%	
Marquette Brd of Light & Power	5209	8,067,540	67,305	34,364,442	25,376	42,524,663	28,673,991	67.4%	
Marquette Chtr Twp	5215	2,734,754	176,314	400,687	4,280	3,316,035	2,555,728	77.1%	
Marquette Co	5202	23,333,526	3,305,713	82,244,744	261,141	109,145,124	78,736,100	72.1%	
Marquette Co Solid Waste Mgmt	5213	1,343,631	634,652	994,241	8,823	2,981,347	2,972,216	99.7%	
Marquette Co Trans Auth	5206	1,272,840	13,142	2,322,326	29,488	3,637,796	3,344,731	91.9%	
Marquette CRC	5211	9,148,470	1,420,047	19,079,022	17,402	29,664,941	13,992,662	47.2%	
Marquette, City of	5201	22,872,577	1,932,735	41,413,569	43,285	66,262,166	41,707,496	62.9%	
Marshall Area Firefighters Amb	1313	999,106	16,703	0	6,663	1,022,472	1,079,083	105.5%	
Marshall Dist Lib	1309	0	0	214,223	0	214,223	85,052	39.7%	
Marshall, City of	1306	11,249,623	1,331,889	22,748,103	66,544	35,396,159	23,056,363	65.1%	
Mason Co	5301	22,077,624	3,297,254	34,377,218	0	59,752,096	44,152,118	73.9%	
Mason Co Dist Lib	5303	869,247	0	1,584,256	0	2,453,503	1,917,151	78.1%	
Mason CRC	5305	3,982,463	213,828	3,693,148	4,298	7,893,737	5,472,026	69.3%	
Mason, City of	3304	5,600,004	1,366,885	12,546,011	142,337	19,655,237	13,084,626	66.6%	
Mason-Oceana 911	6403	1,492,210	416,733	808,121	476	2,717,540	2,358,820	86.8%	
MBS Intl Arprt	0902	3,918,231	347,681	7,617,043	0	11,882,955	6,904,596	58.1%	
Meceola Central Dispatch	5405	1,886,900	89,276	1,313,153	324	3,289,653	2,784,311	84.6%	
Mecosta Co	5403	11,361,503	2,933,494	22,583,394	15,261	36,893,652	37,091,002	100.5%	
Mecosta Co General Hosp CLD	5404	0	1,795,215	5,481,332	0	7,276,547	9,292,004	127.7%	
Mecosta CRC	5401	3,058,434	456,178	7,247,860	15,563	10,778,035	9,174,724	85.1%	
Melvindale HC	8220	99,516	465,550	833,501	5,543	1,404,110	1,064,509	75.8%	
Melvindale, City of	8215	7,656,191	736,200	34,248,651	1,764	42,642,806	16,892,723	39.6%	
Menominee Co	5502	12,838,912	1,337,069	13,162,092	5,562	27,343,635	19,281,454	70.5%	
Menominee CRC	5503	2,336,022	267,527	2,666,181	0	5,269,730	3,453,152	65.5%	
Menominee, City of	5501	4,721,337	1,340,464	5,164,683	0	11,226,484	8,470,747	75.5%	
Meridian Chtr Twp	3315	23,739,550	1,764,708	40,226,261	119,637	65,850,156	40,461,002	61.4%	
MERS	2308	17,845,207	3,385,340	9,803,568	121,295	31,155,410	33,611,979	107.9%	
Metamora Twp	4409	498,782	248,161	433,452	0	1,180,395	1,133,793	96.1%	
Metro Police Authority of Gene	2532	4,357,675	219,943	4,072,239	11,815	8,661,672	8,389,393	96.9%	
Mich Muni Risk Mgmt Auth	8237	1,282,122	0	0	0	1,282,122	1,406,278	109.7%	
Mich S Central Power Agcy	3002	1,159,450	3,884,687	9,030,719	0	14,074,856	14,370,887	102.1%	
Middleville, Vlg of	0803	946,734	79,290	1,024,139	4,821	2,054,984	1,669,292	81.2%	
Midland Co Central Disp Auth	5604	2,423,584	599,947	1,099,122	21,983	4,144,636	3,108,380	75.0%	
Midland CRC	5602	5,165,188	0	13,796,961	0	18,962,149	13,313,403	70.2%	
Midland, City of	5601	21,344,296	3,270,596	120,290,346	82,675	144,987,913	84,134,763	58.0%	
Mid-Mich Dist Hlth Dept	5901	5,093,204	1,748,590	4,837,632	69,599	11,749,025	9,509,631	80.9%	
Mid-Mich Lib League	8306	21,138	127,664	657,681	0	806,483	728,381	90.3%	
Mid-Peninsula Lib Coop CLD	3609	0	0	209,291	2,105	211,396	63,700	30.1%	
Milan Lib	5806	159,153	0	257,289	0	416,442	245,468	58.9%	
Milan, City of	5801	1,982,512	924,805	10,322,719	0	13,230,036	6,566,230	49.6%	
Milford, Vlg of	6313	5,579,194	582,549	8,735,539	29,773	14,927,055	11,717,988	78.5%	
Millington, Vlg of	7904	238,915	0	1,209,319	0	1,448,234	1,519,020	104.9%	
Missaukee Co	5702	3,314,902	462,827	3,171,108	8,976	6,957,813	5,277,209	75.8%	
MOA Solid Waste Mgmt Auth	6002	240,946	114,882	596,826	0	952,654	888,381	93.3%	
Monroe HC	5808	546,291	168,304	1,896,384	0	2,610,979	1,324,099	50.7%	
Montague, City of	6112	2,785,931	191,953	3,419,176	0	6,397,060	4,591,782	71.8%	
Montcalm Co	5907	14,576,804	1,278,837	14,710,524	25,981	30,592,146	24,890,936	81.4%	
Montcalm CRC	5905	5,556,552	606,203	12,657,834	66	18,820,655	10,107,938	53.7%	
Montmorency Co	6001	3,316,401	558,928	8,699,676	14,275	12,589,280	6,922,952	55.0%	
Montrose, City of	2509	127,036	51,939	806,565	0	985,540	574,037	58.2%	
Mt. Morris Chtr Twp	2503	13,230,146	345,565	24,258,959	6,546	37,841,216	20,434,057	54.0%	
Mt. Pleasant, City of	3701	12,909,504	1,613,619	17,977,382	58,299	32,558,804	22,020,640	67.6%	
Muir, Vlg of	3405	93,421	0	229,268	1,140	323,829	291,661	90.1%	
Mundy, Chtr Twp of	2517	915,467	212,321	1,294,469	2,017	2,424,274	2,412,878	99.5%	
Munising, City of	0202	3,585,575	306,810	5,371,132	0	9,263,517	5,957,140	64.3%	
Muskegon Area Dist Lib	6117	1,899,856	0	728,954	8,859	2,637,669	2,343,978	88.9%	
Muskegon Chtr Twp	6108	10,327,274	411,893	12,926,263	9,563	23,674,993	16,709,057	70.6%	
Muskegon Co	6103	83,111,886	14,915,786	182,424,897	858,377	281,310,946	182,527,616	64.9%	
Muskegon CRC	6101	8,112,946	862,751	15,501,162	0	24,476,859	18,946,500	77.4%	
Muskegon HC	6113	420,105	26,088	502,191	0	948,384	692,593	73.0%	
Muskegon Heights HC	6115	939,525	5,138	511,402	1,297	1,457,362	954,158	65.5%	
Muskegon Heights, City of	6102	7,177,963	1,077,834	27,330,227	193,436	35,779,460	22,460,740	62.8%	
Muskegon, City of	6116	36,737,344	3,869,422	69,630,289	75,051	110,312,106	91,786,498	83.2%	
N Houghton Co Wtr&Swg Auth	3106	356,401	32,318	295,481	0	684,200	533,684	78.0%	
N Muskegon, City of	6104	2,147,541	206,541	4,426,783	0	6,780,865	5,365,768	79.1%	
Nashville, Vlg of	0807	432,943	6,264	0	14,068	453,275	466,661	103.0%	

MERS 12/31/2017 Valuation – Results By Municipality – Appendix B

Municipality Name	Number	Actuarial Accrued Liability					Actuarial Value of Assets	Percent Funded
		Active Liability	Vested Former Liability	Retired Liability	Pending Refund Liability	Total Liability		
Negaunee Twp	5217	277,814	2,155	425,465	904	706,338	648,556	91.8%
Negaunee, City of	5203	4,266,663	604,858	8,398,771	0	13,270,292	7,322,918	55.2%
Network180	4109	16,691,216	4,237,747	15,804,747	156,139	36,889,849	34,957,208	94.8%
New Baltimore, City of	5016	9,417,958	358,618	7,620,290	38,013	17,434,879	14,703,237	84.3%
New Buffalo Twp	1121	365,876	0	0	0	365,876	402,491	110.0%
New Buffalo, City of	1113	1,112,344	121,262	1,341,771	51,212	2,626,589	2,250,031	85.7%
Newaygo CMH	6207	283,780	169,414	2,793,169	0	3,246,363	3,734,815	115.0%
Newaygo Co	6201	5,439,688	1,547,218	19,392,631	0	26,379,537	21,792,743	82.6%
Newaygo CRC	6212	4,250,784	241,076	6,460,216	0	10,952,076	9,060,301	82.7%
Newaygo MCF	6204	5,043,365	974,426	7,506,632	432,176	13,956,599	14,137,153	101.3%
Newaygo Soil & Wtr Cnsvrn Dist	6205	82,538	0	122,664	5,028	210,230	193,248	91.9%
Newberry, Vlg of	4802	1,063,531	141,707	3,499,671	0	4,704,909	3,048,199	64.8%
Niles Dist Lib	1105	538,318	51,548	500,034	16,955	1,106,855	964,085	87.1%
Niles, City of	1115	13,521,621	123,906	26,809,855	288	40,455,670	32,609,530	80.6%
Northern Lakes CMH Auth	2808	3,110,392	1,179,420	21,471,933	0	25,761,745	21,550,222	83.7%
Northfield Twp	8117	2,019,552	211,690	0	0	2,231,242	2,047,356	91.8%
Northpointe Bhvrl Hlth Sys	2207	5,142,396	1,467,039	7,159,012	38,323	13,806,770	12,137,195	87.9%
Northville Chtr Twp	8230	25,730,881	437,405	23,598,026	2,200	49,768,512	36,277,288	72.9%
Northville Dist Lib	8229	1,884,815	97,172	1,463,905	0	3,445,892	2,765,790	80.3%
Northville, City of	8208	4,429,338	946,235	15,430,882	10,493	20,816,948	13,029,125	62.6%
Norton Shores, City of	6106	17,918,776	1,219,523	28,440,747	22,044	47,601,090	23,598,550	49.6%
Norway, City of	2204	7,501,965	350,867	13,115,004	5,952	20,973,788	9,112,898	43.4%
Nottawasippi Huron Band	8403	564,058	2,941	48,280	1,159	616,438	551,123	89.4%
Novi, City of	6320	36,460,153	5,336,407	60,448,663	170,305	102,415,528	66,314,409	64.8%
NW Mich Cmnty Hlth Agcy	1502	1,964,603	301,298	4,459,944	0	6,725,845	5,264,201	78.3%
NW Rgnl Arpt Comm	2805	2,625,489	234,912	4,076,532	0	6,936,933	6,441,762	92.9%
Oceana Co	6402	19,941,831	3,010,367	20,226,018	86,789	43,265,005	32,568,234	75.3%
Oceola Twp	4717	1,172,017	39,728	203,342	1,135	1,416,222	1,364,745	96.4%
Ogemaw Co	6502	11,368,275	841,227	17,972,036	60,043	30,241,581	22,743,593	75.2%
Ogemaw Co EMS Auth	6508	1,850,917	680,507	1,354,408	15,122	3,900,954	3,399,768	87.2%
Ogemaw CRC	6503	3,186,093	9,019	7,627,060	0	10,822,172	6,191,438	57.2%
Olive Twp	7009	202,563	0	236,124	0	438,687	294,320	67.1%
Onaway, City of	7105	316,109	81,397	483,294	0	880,800	733,188	83.2%
Ontonagon Co	6602	5,182,729	564,468	4,889,291	3,433	10,639,921	7,538,384	70.8%
Ontonagon Co Economic Dev Corp	6605	0	0	98,805	0	98,805	48,768	49.4%
Ontonagon CRC	6604	7,365,570	0	17,501,351	0	24,866,921	11,758,082	47.3%
Ontonagon, Vlg of	6603	1,059,936	1,668,976	11,425,073	142,555	14,296,540	8,197,744	57.3%
Orchard Lake, City of	6312	1,170,990	62,662	4,832,140	201	6,065,993	4,641,460	76.5%
Oronoko Chtr Twp	1114	792,939	205,498	1,445,542	15,714	2,459,693	1,632,300	66.4%
Osceola Co	6701	10,434,361	2,994,429	7,185,766	26,165	20,640,721	17,428,049	84.4%
Osceola CRC	6703	2,422,753	0	5,883,402	0	8,306,155	4,573,817	55.1%
Oscoda Chtr Twp	3503	738,822	223,292	3,360,055	9,428	4,331,597	2,769,964	63.9%
Oscoda Co	6801	4,111,119	409,775	6,454,396	28,229	11,003,519	7,591,651	69.0%
Oscoda Co Lib	6803	106,547	0	0	0	106,547	149,540	140.4%
Oscoda Wurtsmith Arpt Auth I	6802	306,429	0	144,120	0	450,549	357,431	79.3%
Otisville, Vlg of	2506	302,822	3,074	956,390	0	1,262,286	921,664	73.0%
Otsego Co	6902	8,278,046	2,604,159	12,306,052	9,282	23,197,539	15,383,268	66.3%
Otsego CRC	6901	4,649,789	600,423	7,521,922	243	12,772,377	7,234,508	56.6%
Ottawa Co	7003	130,862,974	15,702,749	146,789,795	818,862	294,174,380	238,929,604	81.2%
Ottawa Co Central Disp Auth	7008	738,434	63,499	1,673,639	9,217	2,484,789	2,133,470	85.9%
Ottawa CRC	7002	16,532,528	942,874	39,666,871	18,582	57,160,855	33,951,820	59.4%
Otter Lake, Vlg of	4408	0	0	175,316	0	175,316	130,794	74.6%
Owosso, City of	7607	1,002,649	43,125	4,081,874	0	5,127,648	3,330,861	65.0%
Oxford Fire Department	6327	2,542,236	139,533	3,048,336	0	5,730,105	3,727,700	65.1%
Oxford, Vlg of	6326	1,524,161	419,582	1,568,704	1,552	3,513,999	2,255,798	64.2%
Parchment, City of	3901	802,236	56,864	2,661,392	0	3,520,492	2,125,236	60.4%
Pathways(Spr.Bhvl.Mhntl.Hlth)	5214	5,752,646	3,880,237	44,835,388	41,298	54,509,569	26,420,595	48.5%
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	1,547,082	0	528,145	0	2,075,227	1,669,506	80.4%
Paw Paw, Vlg of	8002	3,941,720	215,447	5,846,759	24,452	10,028,378	7,525,691	75.0%
Pellston, Vlg of	2404	327,793	0	247,796	0	575,589	467,171	81.2%
Pennfield Chtr Twp	1312	1,736,394	202,199	1,109,802	0	3,048,395	2,174,678	71.3%
Pentwater, Vlg of	6401	527,692	232,254	1,327,783	34,398	2,122,127	1,650,692	77.8%
Perrinton, Vlg of	2909	82,160	33,573	0	3,282	119,015	112,049	94.1%
Petersburg, City of	5807	467,641	115,506	0	0	583,147	624,443	107.1%
Petoskey, City of	2402	11,051,033	892,699	15,848,715	732	27,793,179	22,289,266	80.2%
Pewamo, Vlg of	3407	360,199	0	0	0	360,199	295,269	82.0%
Pigeon, Vlg of	3203	401,339	204,487	748,329	0	1,354,155	815,759	60.2%
Pinckney, Vlg of	4706	1,402,703	62,711	1,696,552	11,262	3,173,228	2,725,285	85.9%
Pinconning, City of	0904	395,023	176,885	1,698,473	0	2,270,381	1,333,167	58.7%
Pittsfield Chtr Twp	8110	21,273,610	1,512,121	15,317,896	215,947	38,319,574	28,121,954	73.4%
Pleasant Ridge, City of	6301	1,533,614	315,766	4,339,663	9,438	6,198,481	3,336,952	53.8%

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix B**

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		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>			
Plymouth Dist Lib	8221	1,563,025	13,912	3,316,020	0	4,892,957	3,734,558	76.3%
Plymouth, Chtr Twp of	8238	12,041,675	629,054	20,494,716	63,417	33,228,862	22,837,162	68.7%
Plymouth, City of	8202	0	145,393	16,146,711	0	16,292,104	9,305,000	57.1%
Pokagon Band of Potawatomi	8401	18,944,789	1,690,937	3,629,987	338,088	24,603,801	24,620,994	100.1%
Port Austin Area Swr&Wtr Auth	3210	0	0	87,604	7,416	95,020	173,050	182.1%
Port Austin, Vlg of	3208	219,345	13,209	468,061	9,746	710,361	541,133	76.2%
Port Huron Chtr Twp	7711	1,944,258	130,143	1,785,911	0	3,860,312	2,676,528	69.3%
Port Huron HC	7712	2,363,567	149,615	6,546,215	794	9,060,191	5,672,287	62.6%
Port Huron, City of	7702	47,759,990	2,246,629	110,511,490	95,492	160,613,601	87,644,152	54.6%
Port Sanilac, Vlg of	7403	477,956	55,466	867,623	4,513	1,405,558	870,136	61.9%
Port Sheldon Twp	7018	568,618	0	404,263	0	972,881	1,027,787	105.6%
Portland, City of	3401	5,321,905	681,298	8,183,820	656	14,187,679	9,156,496	64.5%
Pottersville, City of	2313	292,107	10,379	702,883	1,106	1,006,475	740,816	73.6%
Presque Isle Co	7104	5,266,084	519,910	7,858,485	35,471	13,679,950	9,293,533	67.9%
Presque Isle CRC	7101	3,122,461	0	6,999,045	213	10,121,719	5,215,793	51.5%
PRIDE Youth Programs CLD	6210	0	0	529,806	0	529,806	378,967	71.5%
Ravenna, Vlg of	6111	368,663	42,053	216,445	0	627,161	607,579	96.9%
Reading, City of	3003	236,480	48,110	177,503	0	462,093	398,524	86.2%
Redford Twp Dist Lib	8228	1,776,521	72,851	1,179,247	0	3,028,619	2,663,470	87.9%
Redford, Chtr Twp of	8209	11,745,935	2,498,897	38,376,985	28,215	52,650,032	30,745,154	58.4%
Reed City, City of	6702	2,421,582	294,668	4,535,828	836	7,252,914	4,596,355	63.4%
Richfield Twp (Genesee Co)	2514	1,751,800	249,078	3,520,341	27,379	5,548,598	3,123,075	56.3%
Richfield Twp (Roscommon Co)	7202	829,126	205,945	2,028,213	19,101	3,082,385	2,069,042	67.1%
Richland Twp	7310	599,520	15,452	4,573,641	1,769	5,190,382	2,904,343	56.0%
Richmond, City of	5012	1,849,532	0	1,067,198	0	2,916,730	2,137,105	73.3%
Rochester, City of	6307	8,586,081	536,352	13,200,379	81,550	22,404,362	15,343,263	68.5%
Rockford, City of	4103	3,160,684	1,100,886	5,199,208	0	9,460,778	6,185,506	65.4%
Rockwood, City of	5810	1,197,927	256,467	1,280,507	0	2,734,901	2,539,684	92.9%
Rogers City, City of	7102	2,583,122	521,183	8,198,069	7,376	11,309,750	5,486,774	48.5%
Romeo Dist Lib	5006	686,931	363,014	2,431,141	3,989	3,485,075	2,936,290	84.3%
Romeo, Vlg of	5005	4,173,960	23,789	4,415,643	0	8,613,392	5,490,106	63.7%
Romulus, City of	8225	12,688,028	922,942	39,766,501	110,993	53,488,464	22,112,647	41.3%
Roosevelt Park, City of	6107	1,852,765	420,796	3,774,169	0	6,047,730	3,544,464	58.6%
Roscommon Co	7201	11,479,313	1,429,252	15,536,786	25,461	28,470,812	21,040,006	73.9%
Roscommon Co Trans Auth	7205	1,247,602	0	1,915,274	0	3,162,876	2,599,122	82.2%
Rose City, City of	6504	233,476	15,344	445,325	1,988	696,133	598,120	85.9%
Rose Twp	6506	90,420	0	75,048	0	165,468	389,444	235.4%
Royal Oak, Chtr Twp of	6306	313,295	1,108	2,171,289	41,089	2,526,781	4,111,735	162.7%
Saginaw Chtr Twp	7314	4,970,372	368,618	15,282,251	34,843	20,656,084	20,383,679	98.7%
Saginaw Co	7303	14,354,738	2,605,264	130,826,277	8,998	147,795,277	124,434,953	84.2%
Saginaw Co 911 Com Ctr	7316	2,093,456	272,969	11,057,652	0	13,424,077	9,324,844	69.5%
Saginaw Co CMH	7318	2,846,626	1,263,929	13,936,681	149	18,047,385	11,547,529	64.0%
Saginaw CRC	7304	11,477,840	530,470	21,975,179	4,551	33,988,040	23,955,793	70.5%
Saginaw HC	7321	642,594	708,360	3,020,267	21,649	4,392,870	2,257,891	51.4%
Saginaw Trans Sys Auth	7319	796,088	350,707	1,523,148	0	2,669,943	2,581,568	96.7%
Saginaw, City of	7301	40,374,741	1,979,132	299,454,588	102,517	341,910,978	181,573,905	53.1%
Saginaw, Pub Lib of	7317	723,763	446,488	605,320	25,442	1,801,013	2,816,561	156.4%
Saginaw-Midland Muni Wtr Corp	7305	2,342,844	44,946	2,660,925	0	5,048,715	3,493,273	69.2%
Saline, City of	8105	10,281,865	458,771	16,949,926	0	27,690,562	18,222,185	65.8%
Sandusky Dist Lib	7404	216,710	0	45,058	0	261,768	259,532	99.1%
Sandusky, City of	7402	1,189,421	248,191	3,507,944	14,972	4,960,528	2,837,272	57.2%
Sanilac CRC	7410	4,906,273	0	3,684,693	151	8,591,117	7,388,659	86.0%
Saranac HC	3413	571,003	0	291,237	0	862,240	565,052	65.5%
Saugatuck Twp	0305	362,921	134,513	388,720	0	886,154	336,468	38.0%
Saugatuck Twp Fire Dist	0313	208,765	0	269,612	0	478,377	378,693	79.2%
Saugatuck, City of	0307	369,488	46,058	1,529,020	0	1,944,566	1,653,244	85.0%
Sault Ste. Marie HC	4906	317,948	126,658	1,743,829	16,093	2,204,528	2,250,311	102.1%
Sault Ste. Marie Tribe of Chip	8404	206,838	11,315	0	1,416	219,569	221,499	100.9%
Sault Ste. Marie, City of	1701	10,662,205	646,926	19,655,721	45,386	31,010,238	21,473,401	69.2%
SCCMUA	1905	1,642,619	387,814	2,243,697	26,379	4,300,509	3,728,239	86.7%
Schoolcraft Co	7503	8,959,504	2,011,070	24,099,472	146,119	35,216,165	22,692,434	64.4%
Schoolcraft Co Trans Auth	7506	986,162	0	423,586	519	1,410,267	824,433	58.5%
Schoolcraft CRC	7501	2,163,088	678,828	12,684,511	0	15,526,427	7,422,057	47.8%
Schoolcraft Memorial Hosp	7505	4,587,435	3,663,327	15,692,660	15,331	23,958,753	19,587,073	81.8%
Scio Twp	8116	3,252,354	0	376,741	15,464	3,644,559	3,028,459	83.1%
Scottville, City of	5308	570,105	19,271	174,008	0	763,384	670,569	87.8%
SE Oakland Co Rsrc Rec Auth	6310	2,146,694	171,875	3,561,035	0	5,879,604	3,889,847	66.2%
SE Oakland Co Wtr Auth	6309	4,632,269	1,263	5,207,917	0	9,841,449	8,911,271	90.5%
Sebewaing, Vlg of	3205	2,188,062	354,107	5,084,219	41,666	7,668,054	7,709,337	100.5%
SEMCOG	8210	14,704,136	1,960,326	15,832,272	0	32,496,734	27,926,359	85.9%
Shepherd, Vlg of	3704	525,759	0	131,676	10,295	667,730	677,063	101.4%
Shiawassee Co	7602	29,189,712	8,036,447	80,592,883	63,024	117,882,066	80,847,173	68.6%

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		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>			
Shiawassee Council on Aging	7605	68,181	0	739,187	3,748	811,116	532,227	65.6%
Shiawassee CRC	7601	4,879,820	1,922,575	14,531,049	457	21,333,901	16,568,176	77.7%
Shiawassee Dist Lib	7606	1,550,197	41,560	391,832	10,823	1,994,412	2,057,901	103.2%
Shiawassee Hlth & Wellness	7609	6,974,553	2,759,921	6,275,873	0	16,010,347	13,713,193	85.7%
Sims Whitney Util Auth	0606	72,316	0	299,941	0	372,257	309,681	83.2%
SMART	8216	88,547,802	10,729,297	153,958,906	298,784	253,534,789	195,978,832	77.3%
South Haven Area ESA	8005	4,991,463	0	3,046,409	0	8,037,872	5,386,581	67.0%
South Haven, City of	8001	11,553,624	904,054	17,528,637	104,117	30,090,432	24,907,950	82.8%
South Lyon, City of	6315	9,079,126	904,688	6,366,152	13,443	16,363,409	11,427,567	69.8%
Southgate, City of	8262	8,886,646	247,597	20,627,442	26	29,761,711	20,242,649	68.0%
Sparta, Vlg of	4107	3,073,735	138,539	1,836,594	7,386	5,056,254	3,780,953	74.8%
Spring Lake Dist Lib	7016	1,396,088	0	638,622	1,688	2,036,398	2,133,174	104.8%
Spring Lake, Vlg of	7015	668,548	979,296	2,348,890	4,826	4,001,560	3,341,798	83.5%
Springfield, City of	1303	1,055,194	1,390,288	7,831,991	33,639	10,311,112	7,275,326	70.6%
St Charles, Vlg of	7308	1,060,197	94,682	3,231,664	0	4,386,543	2,665,480	60.8%
St Clair HC	7715	0	0	788,914	0	788,914	344,839	43.7%
St Clair Shores HC	5007	583,784	0	2,051,246	4,640	2,639,670	1,469,549	55.7%
St Clair, City of	7703	4,561,244	312,051	18,080,547	0	22,953,842	13,090,612	57.0%
St Ignace, City of	4904	3,589,605	314,905	8,624,366	579	12,529,455	7,600,600	60.7%
St Johns, City of	1902	3,898,333	239,221	13,257,685	97	17,395,336	8,901,360	51.2%
St Joseph Co	7803	17,529,268	3,268,288	25,348,054	57,852	46,203,462	43,254,190	93.6%
St Louis HC	2908	843,648	0	249,460	0	1,093,108	982,323	89.9%
St Louis, City of	2902	1,445,208	163,108	6,268,431	508	7,877,255	6,252,127	79.4%
Stambaugh Twp	3615	127,970	0	42,215	0	170,185	105,420	61.9%
Standish, City of	0601	138,563	74,042	2,504,902	0	2,717,507	1,827,904	67.3%
Stanton, City of CLD	5903	0	0	53,974	0	53,974	107,729	199.6%
Stephenson, City of	5504	667,670	0	54,333	0	722,003	442,153	61.2%
Sterling, Vlg of	0605	184,555	0	39,375	0	223,930	345,697	154.4%
Stockbridge, Vlg of	3316	738,729	19,212	336,900	14,183	1,109,024	729,214	65.8%
Sturgis HC	7805	127,511	27,195	0	0	154,706	156,934	101.4%
Summit Twp	3803	7,373,021	194,700	8,005,561	995	15,574,277	9,466,652	60.8%
Sumpter Twp	8226	6,451,071	60,778	3,060,883	16,515	9,589,247	7,383,589	77.0%
Superior Chtr Twp	8109	3,308,302	25,870	4,560,480	14,570	7,909,222	5,502,307	69.6%
Superior Dist Lib	1702	365,556	0	509,657	974	876,187	1,341,168	153.1%
Superiorland Lib Coop	5208	0	58,663	963,064	0	1,021,727	767,920	75.2%
Suttons Bay Bingham Fire Auth	4506	1,182,544	34,220	266,909	181	1,483,854	874,524	58.9%
SW Mich Comm Amb Svcs	1119	1,739,123	228,524	1,069,919	36,051	3,073,617	2,666,926	86.8%
SW Shiawassee ESA	7611	1,053,469	48,965	61,039	3,288	1,166,761	1,145,711	98.2%
Swan Creek Twp	7309	108,087	0	688,932	452	797,471	651,225	81.7%
Swartz Creek, City of	2504	781,418	0	6,004,708	0	6,786,126	6,699,505	98.7%
Sylvan Lake, City of	6314	1,775,857	22,478	1,244,598	19,251	3,062,184	2,119,807	69.2%
Tawas Police Auth	3504	100,126	237,043	819,498	7,881	1,164,548	612,822	52.6%
Taylor HC	8231	436,361	0	278,396	0	714,757	692,049	96.8%
The Lib Network	8218	4,117,832	656,007	3,183,225	64,207	8,021,271	6,192,546	77.2%
Three Rivers, City of	7801	6,669,973	1,838,944	10,367,416	40,522	18,916,855	13,437,439	71.0%
Tittabawassee, Twp of	7322	2,285,562	120,617	1,163,035	2,394	3,571,608	3,555,859	99.6%
Traverse Area Dist Lib	2807	3,342,565	148,603	3,799,944	11,700	7,302,812	6,002,193	82.2%
Traverse City Light & Power	2811	8,005,221	200,473	23,086,948	0	31,292,642	19,201,470	61.4%
Traverse City, City of	2801	10,115,763	1,770,828	27,847,071	0	39,733,662	24,777,825	62.4%
Trenton, City of	8203	6,103,108	58,665	40,095,459	1,534	46,258,766	27,184,099	58.8%
Tri-County Aging Consortium	3307	4,464,057	1,023,811	4,272,888	0	9,760,756	9,087,738	93.1%
Trio Council on Aging Inc CLD	6507	0	24,992	266,216	0	291,208	320,175	109.9%
Tuscarora Twp	1604	1,307,813	110,319	1,084,975	4,104	2,507,211	1,746,862	69.7%
Tuscola Co	7902	15,326,696	1,658,201	18,797,584	172,725	35,955,206	35,346,705	98.3%
Tuscola Co CMH	7907	9,012,849	860,004	7,111,396	279,395	17,263,644	16,283,929	94.3%
Tuscola Co Hlth Dpt	7901	4,302,705	0	7,372,380	23,801	11,698,886	11,118,564	95.0%
Tuscola Co MCF	7906	9,503,833	765,762	7,119,779	399,751	17,789,125	16,571,191	93.2%
Tuscola CRC	7908	2,195,175	149,374	4,076,263	0	6,420,812	4,620,291	72.0%
Twin City Pub Safety Auth CLD	3610	0	21,315	72,020	0	93,335	118,866	127.4%
Uby, Vlg of	3212	451,154	88,890	404,133	3,437	947,614	728,629	76.9%
Utica, City of	5008	2,725,233	0	3,187,292	12,450	5,924,975	3,775,555	63.7%
Van Buren Co	8006	19,660,338	1,721,770	17,441,340	332,005	39,155,453	26,763,181	68.4%
Van Buren Dist Lib	8007	832,289	95,211	1,203,401	16,883	2,147,784	1,820,265	84.8%
Van Buren Twp	8236	11,681,324	1,608,465	6,405,111	38,964	19,733,864	15,277,256	77.4%
Vassar, City of	7903	996,920	466,330	6,035,023	10,940	7,509,213	4,653,904	62.0%
Vevay Twp	3318	154,301	0	498,268	5,089	657,658	376,436	57.2%
Vicksburg Dist Lib	3904	39,490	1,090	103,266	0	143,846	83,498	58.0%
Vicksburg, Vlg of	3902	675,105	493,433	1,710,058	142	2,878,738	2,043,508	71.0%
Vienna, Chtr Twp of	2522	418,810	20,440	1,486,019	0	1,925,269	1,203,127	62.5%

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix B**

<u>Municipality Name</u>	<u>Number</u>	<u>Actuarial Accrued Liability</u>				<u>Total Liability</u>	<u>Actuarial Value of Assets</u>	<u>Percent Funded</u>
		<u>Active Liability</u>	<u>Vested Former Liability</u>	<u>Retired Liability</u>	<u>Pending Refund Liability</u>			
W Iron Co Swr Auth	3612	263,520	19,619	943,382	0	1,226,521	589,694	48.1%
W Mich CMH Sys	5304	1,560,200	929,331	2,784,302	23,572	5,297,405	4,630,854	87.4%
W Mich Shoreline Rgnl Dev Comm	6110	999,559	114,210	2,976,652	0	4,090,421	4,637,826	113.4%
W UP Dist Hlth Dept	3101	2,649,988	1,999,660	10,237,917	5,387	14,892,952	9,614,845	64.6%
Wakefield, City of	2701	1,155,779	92,073	3,581,919	17,712	4,847,483	2,629,658	54.2%
Walker, City of	4112	10,044,573	430,241	13,795,865	0	24,270,679	15,501,474	63.9%
Walled Lake, City of	6324	4,474,290	1,139,414	9,629,691	56,429	15,299,824	4,810,357	31.4%
Washtenaw Co	8113	78,617,891	2,489,310	37,272,457	507,357	118,887,015	91,280,073	76.8%
Washtenaw CRC	8102	23,762,185	1,217,512	42,131,581	179,988	67,291,266	38,263,851	56.9%
Wayland, City of	0304	2,401,186	350,943	5,353,476	0	8,105,605	5,780,275	71.3%
Wayne HC	8252	210,009	0	668,313	0	878,322	636,972	72.5%
Wayne, City of	8242	16,686,193	2,664,601	95,218,017	120,727	114,689,538	68,760,482	60.0%
Webberville, Vlg of	3314	237,295	43,741	252,454	339	533,829	523,762	98.1%
West Branch Dist Lib	6509	308,475	0	194,786	0	503,261	449,758	89.4%
West Branch, City of	6505	1,116,211	176,105	4,792,713	13,593	6,098,622	4,040,721	66.3%
Westland, City of	8211	28,331,430	3,437,677	106,744,724	37,177	138,551,008	58,878,856	42.5%
Westphalia, Vlg of	1907	515,165	0	115,189	0	630,354	501,040	79.5%
Wexford Co	8302	11,223,102	2,397,572	16,742,416	34,220	30,397,310	20,024,968	65.9%
Wexford CRC	8303	6,809,335	1,040,828	6,917,203	14,465	14,781,831	12,378,702	83.7%
White Cloud Cmnty Lib	6208	393,921	0	102,995	0	496,916	442,628	89.1%
White Cloud, City of	6206	238,628	70,462	731,131	0	1,040,221	637,993	61.3%
White Cloud/Sherman Util	6211	167,905	0	293,323	0	461,228	304,207	66.0%
White Lake Chtr Twp	6325	14,558,823	812,851	16,876,184	113,746	32,361,604	23,794,093	73.5%
White Pigeon, Vlg of	7804	80,074	36,026	151,695	2,184	269,979	242,061	89.7%
White Pine District Library	5904	82,024	0	176,521	0	258,545	148,099	57.3%
Whitehall, City of	6105	2,171,857	94,390	4,107,709	0	6,373,956	4,612,194	72.4%
Willard Pub Lib	1308	3,131,687	51,849	902,137	9,431	4,095,104	3,705,433	90.5%
Williamston, City of	3310	1,818,245	548,250	2,636,333	10,626	5,013,454	3,480,337	69.4%
Wixom, City of	6316	12,034,951	1,282,160	22,305,232	16,505	35,638,848	20,560,252	57.7%
Wolverine Lake, Vlg of	6329	1,312,959	206,296	1,897,047	22,033	3,438,335	2,118,270	61.6%
WUPPDR	3108	118,332	51,916	1,257,442	0	1,427,690	1,225,983	85.9%
Ypsilanti Cmnty Util Auth	8106	20,045,125	1,853,683	33,355,377	25,719	55,279,904	32,581,568	58.9%
Ypsilanti HC	8115	71,650	127,172	711,072	10,919	920,813	802,013	87.1%
Ypsilanti, City of	8101	6,395,250	696,694	7,676,605	130,655	14,899,204	19,782,507	132.8%
Ypsilanti, Twp of	8104	10,056,585	1,001,315	11,563,452	99,737	22,721,089	16,615,614	73.1%
Totals - Active Groups	727	4,545,165,936	563,300,516	8,941,212,291	26,311,099	14,075,989,842	9,522,479,683	
Totals - Closed Groups	16	0	2,836,243	15,945,645	50,091	18,831,979	22,967,448	
Totals - MERS	743	4,545,165,936	566,136,759	8,957,157,936	26,361,190	14,094,821,821	9,545,447,131	



**MERS 12/31/2017 Valuation – Results By Municipality – Appendix C**

<u>Municipality Name</u>	<u>Number</u>	<u>Normal Cost</u>	<u>Amortization Payment<sup>1</sup></u>	<u>Total Employer Contribution</u>
21st Dist Ct	8243	44,628	72,756	117,384
23rd Jud Dist Ct	8223	20,352	77,688	98,040
26th Jud Cir Ct	0403	47,220	39,360	86,580
34th Dist Ct	8235	182,604	263,916	446,520
35th Dist Ct	8234	(37,932)	149,460	111,528
41 B Dist Ct	5014	111,912	174,048	285,960
Addison Fire Dept	4607	10,320	1,896	12,216
Adrian, City of	4601	359,868	1,448,292	1,808,160
Aitkin Memorial Dist Lib	7407	0	(7,152)	0
Albion, City of	1301	92,520	58,068	176,808
Alcona Co	0101	222,588	485,868	708,456
Alger Co	0203	179,628	284,016	471,192
Alger CRC	0201	104,808	255,948	360,756
Algonac, City of	7707	22,020	101,148	123,168
Allegan Co	0302	312,108	298,608	610,716
Allegan CRC	0301	148,596	730,668	903,240
Allegan, City of	0309	93,036	116,892	209,928
Alma, City of	2901	165,612	459,984	754,980
Almont, Vlg of	4407	40,992	57,852	98,844
Alpena Co	0401	289,800	622,320	912,120
Alpena CRC	0402	64,488	341,556	406,044
Alpena HC	0406	43,416	(2,568)	40,848
Alpena Sr Citizens Ctr	0404	0	112,068	112,068
Alpha, Vlg of	3614	600	(4,728)	0
Antrim Co	0502	870,900	880,224	1,751,124
Antrim CRC	0501	135,696	491,544	627,240
Arenac Co	0603	106,272	656,400	762,672
Arenac CRC	0604	20,244	316,512	336,756
Armada Township	5022	17,040	(1,668)	15,372
Ash Twp	5804	20,904	28,932	49,836
Au Gres, City of	0602	5,784	97,692	103,476
Auburn, City of	0905	60	81,504	83,712
Bad Axe Area Dist Lib	3214	4,524	624	5,148
Bad Axe, City of	3211	51,492	244,752	296,244
Bancroft, Vlg of	7610	0	4,968	4,968
Bangor, City of	8003	30,768	(54,312)	0
Baraga Co	0702	147,384	153,744	301,128
Baraga Co Memorial Hosp	0703	121,716	512,616	634,332
Baraga CRC	0701	56,604	280,188	336,792
Baraga, Vlg of	0704	59,652	159,108	218,760
Baroda Lake Twp Police Dept	1109	26,616	8,388	35,004
Barry Co	0802	1,381,776	1,506,072	2,887,848
Barry Co CMH Auth	0804	315,084	181,596	496,680
Barry Eaton Dist Hlth Dept	2303	97,632	378,624	476,256
Barton Hills, Vlg of	8107	6,084	19,332	25,416
Bates Twp	3616	0	15,336	15,336
Bath Chtr Twp	1909	36,852	120,576	157,428
Battle Creek, City of	1302	1,617,744	4,284,888	5,924,388
Bay Area Trans Auth	2810	341,256	(7,536)	333,720
Bay City HC	0906	28,452	23,772	58,224
Bay City, City of	0901	138,372	5,907,264	6,050,160
Bay Metro Trans Auth	0907	306,852	541,236	848,088
Beecher Metro Dist Swg&Wtr	2501	43,992	309,732	353,724
Belding, City of	3410	20,688	84,468	105,156
Belleville, City of	8213	62,088	311,688	373,776
Benton Harbor, City of	1120	59,004	1,070,748	1,129,752
Benzie Co	1003	231,612	425,064	656,676
Benzie Co Comm on Aging	1006	39,396	42,840	82,236
Benzie Co MCF (The Maples)	1004	239,856	115,944	355,800
Benzie CRC	1001	77,436	330,372	407,808
Benzie Shores Dist Lib	1005	4,488	(5,220)	0
Benzie Trans Auth	1007	22,944	(25,260)	0
Benzie/Leelanau Dist Hlth Dept	4504	21,744	51,120	72,864
Berkley, City of	6304	183,360	695,964	937,140
Berrien Springs, Vlg of	1102	29,052	15,420	44,472
Bessemer, City of	2702	54,120	61,296	115,416
Beverly Hills, Vlg of	6321	208,320	290,124	498,444
Big Rapids HC	5406	13,488	75,048	88,536
Big Rapids, City of	5402	34,476	593,520	627,996
Bingham Farms, Vlg of	6332	12,708	3,420	16,128
Birch Run, Vlg of	7315	18,252	11,472	29,724

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<u>Municipality Name</u>	<u>Number</u>	<u>Normal Cost</u>	<u>Amortization Payment<sup>2</sup></u>	<u>Total Employer Contribution</u>
Bishop Intl Arprt Auth	2507	178,560	153,840	332,400
Blackman Chtr Twp	3806	(27,648)	350,664	323,016
Blissfield, Vlg of	4606	116,400	18,588	134,988
Bloomfield Hills, City of	6302	239,952	597,204	837,156
Blue Water Area Trans Comm	7709	354,276	152,028	506,304
Boyne City HC	1508	17,940	34,236	52,176
Boyne City, City of	1506	46,524	429,480	476,004
Branch Co	1205	427,176	1,199,124	1,671,300
Branch-Hillsdale-St Joseph Com	1202	141,972	165,324	307,296
Brandon Chtr Twp of	6333	95,784	103,176	199,776
Breckenridge, Vlg of	2906	10,068	105,444	115,512
Bridgeport Chtr Twp	7307	172,344	219,816	392,160
Bridgman, City of	1110	49,788	40,956	90,744
Brighton Area Fire Auth	4715	7,788	(1,740)	6,048
Brighton, Chtr Twp of	4711	28,920	10,944	39,864
Brighton, City of	4704	252,720	622,836	875,556
Britton, Vlg of	4604	1,332	(22,908)	0
Bronson, City of	1204	(14,532)	63,348	48,816
Brooklyn, Vlg of	3801	23,244	26,412	49,656
Brownstown, Chtr Twp of	8247	476,616	551,844	1,028,460
Buchanan Dist Lib	1108	7,092	(4,812)	2,280
Buchanan, City of	1101	89,772	(121,512)	185,484
Buena Vista Chtr Twp	7312	171,108	292,200	463,308
Burton, City of	2508	211,188	2,024,280	2,237,208
Butman Twp CLD	2604	0	(5,244)	0
Cadillac, City of	8301	238,836	207,960	449,796
Cadillac/Wexford Trans Auth	8305	80,208	48,528	128,736
Calhoun Co	1311	913,200	2,751,216	3,668,496
Calhoun Co Conso Dispatch Auth	1316	50,916	(24,072)	32,544
Canton Pub Lib	8232	43,608	(7,032)	36,576
Canton, Chtr Twp of	8233	2,060,952	3,371,760	5,432,712
Capac, Vlg of	7705	6,360	134,472	140,832
Capital Area Dist Lib	3317	266,772	108,324	375,096
Capital Region Arprt Auth	3305	238,056	327,360	565,416
Carleton, Vlg of	5805	13,200	23,364	36,564
Carrollton Twp	7320	75,300	70,524	145,824
Cascade Chtr Twp	4110	211,188	165,924	377,112
Caseville, City of	3207	44,544	55,296	99,840
Caspian, City of	3608	11,196	45,708	56,904
Cass Co	1402	470,484	654,648	1,125,132
Cass Co MCF	1403	130,716	30,900	161,616
Cass Dist Lib	1404	23,436	4,740	28,176
Cedar Springs, City of	4105	24,984	56,292	81,276
Center Line, City of	5001	22,836	306,576	334,692
Central Lake, Vlg of	0504	19,056	804	19,860
Central Mich Dist Hlth Dept	3705	100,788	1,340,832	1,441,620
Charlevoix Co	1503	1,132,836	944,052	2,076,888
Charlevoix CRC	1501	172,032	168,960	340,992
Charlevoix, City of	1505	131,196	371,424	502,620
Charlotte Dist Lib	2309	19,656	23,616	43,272
Charlotte, City of	2301	164,316	666,912	831,228
Cheboygan Co	1603	549,996	584,124	1,134,120
Cheboygan CRC	1601	136,272	805,752	942,024
Cheboygan, City of	1602	92,496	274,800	367,296
Chelsea Area Fire Auth	8118	47,520	2,568	50,088
Chelsea, City of	8103	20,328	930,216	950,544
Chesaning, Vlg of	7313	4,272	204,708	210,036
Chesterfield Twp	5009	640,104	661,092	1,301,196
Chesterfield Twp Lib	5010	24,000	(28,140)	0
Chikaming Twp	1112	35,640	49,728	85,368
Chippewa Co	1703	614,676	992,496	1,609,608
Chippewa Co - Emplmt & Trng CL	1710	0	1,199,988	1,199,988
Chippewa CRC	1704	301,044	712,152	1,013,196
Chippewa River Dist Lib	3707	53,436	35,988	89,424
Chocoday, Chtr Twp of	5218	27,924	(2,052)	25,872
Clare Co	1802	364,920	495,648	860,568
Clare Co Trans Auth	1806	16,524	6,144	22,668
Clare CRC	1801	122,832	263,064	388,656
Clare, City of	1804	95,328	252,096	347,424
Clawson, City of	6305	79,056	1,252,296	1,331,352
Clay Twp	7706	122,580	253,884	376,464

**MERS 12/31/2017 Valuation – Results By Municipality – Appendix C**

<u>Municipality Name</u>	<u>Number</u>	Normal	Amortization	Total
		<u>Cost</u>	<u>Payment<sup>2</sup></u>	<u>Employer Contribution</u>
Clearwater Twp	4005	5,280	2,412	7,692
Clinton Co	1903	603,816	(121,884)	481,932
Clinton CRC	1901	196,740	715,980	912,720
Clinton Twp	5002	651,516	2,081,388	2,736,876
Clinton, Vlg of	4602	44,868	9,564	54,432
Clinton-Eaton-Ingham CMH	3308	3,105,264	3,398,724	6,510,036
Clio, City of	2523	60,180	29,076	89,256
CMH for Central Mich	3708	2,235,696	895,020	3,130,716
Coldwater Brd of Pub Util	1203	76,008	623,640	699,648
Coldwater, City of	1201	38,964	434,124	473,088
Coleman, City of	5603	24,492	69,396	93,888
Coloma Chtr Twp	1107	25,572	59,316	84,888
Coloma, City of	1118	10,416	6,960	17,376
Columbiaville, Vlg of	4406	5,064	9,084	14,148
Constantine, Vlg of	7806	9,876	(5,988)	3,888
Coopersville Area Dist Lib	7011	1,500	15,744	18,924
Coopersville, City of	7005	53,340	37,044	90,384
Corunna City of	7604	56,532	151,476	208,008
Corwith Twp	6904	468	252	720
Covert Twp	8010	49,032	36,840	85,872
Crawford Co	2001	156,168	3,864	160,032
Crawford Co Trans Auth	2004	61,008	103,020	164,028
Crawford CRC	2002	129,900	424,656	554,556
Croswell, City of	7401	129,648	329,076	458,724
Crystal Falls Cmnty Hosp CLD	3618	0	(96,096)	14,412
Crystal Falls, City of	3603	68,940	338,052	406,992
Ctrl Dispatch of Muskegon Co	6109	104,736	76,140	180,876
Ctrl Wayne Co Sanitation Auth	8214	0	172,848	172,848
Davison Richfield Sr CCA	2525	3,000	9,348	12,348
Davison Twp	2519	91,452	255,096	346,548
Davison, City of	2516	135,876	492,012	627,888
Dearborn, City of	8251	1,704,708	58,212	1,762,920
Deerfield, Vlg of	4603	18,720	34,008	52,728
Delta Area Transit Auth	2107	11,436	948	12,384
Delta Chtr Twp	2306	96,456	224,796	321,252
Delta Co	2102	286,908	1,214,328	1,501,236
Delta CRC	2105	121,512	413,172	534,684
Delta-Menominee Dist Hlth Dept	2103	173,976	78,432	252,408
Detour, Vlg of	1706	19,620	21,528	41,148
Detroit HC	8241	446,052	50,232	541,548
DeWitt Chtr Twp	1910	73,656	130,188	203,844
DeWitt, City of	1908	54,816	171,120	225,936
Dexter Area Fire Dept	8219	37,680	43,908	81,588
Dexter Twp	8111	5,832	14,004	19,836
Dexter, City of	8217	23,700	68,244	91,944
Dickinson Co	2206	302,808	1,056,204	1,359,012
Dickinson CRC	2203	79,848	494,160	574,008
Dickinson-Iron Dist Hlth Dept	3605	84,816	527,688	612,504
Dimondale, Vlg of	2304	9,288	12,372	21,660
Dist Hlth Dept # 2	6501	20,400	551,400	571,800
Dist Hlth Dept # 4	7103	84,060	555,492	639,552
Dist Hlth Dept #10	5104	390,036	774,612	1,164,648
Douglas, City of Vlg of	0303	104,496	(5,412)	99,084
Dowagiac Dist Lib	1406	7,776	384	8,160
Dowagiac HC	1405	13,428	(3,528)	9,900
Dowagiac, City of	1401	156,528	737,352	893,880
Drummond Island Twp	1708	11,460	1,524	12,984
Dryden, Vlg of	4405	3,528	10,752	14,280
Dundee, Vlg of	5803	10,908	122,196	133,104
Durand, City of	7603	91,860	154,860	246,720
E UP Reg Planning & Dev Comm	1709	15,252	(13,080)	2,172
E UP Trans Auth	1705	133,872	470,748	604,620
East China Chtr Twp	7701	89,520	239,448	328,968
East Grand Rapids, City of	4101	34,176	1,416,204	1,493,412
East Jordan, City of	1504	65,640	120,828	186,468
East Lansing, City of	3301	1,839,432	6,692,976	8,532,408
Eastpointe HC	5011	23,544	14,640	38,184
Eastpointe, City of	5019	635,388	3,300,216	3,935,604
Eaton Co	2302	995,412	4,143,564	5,138,976
Eaton Co Hlth & Rehab Svcs	2305	408,384	77,796	486,180
Eaton Rapids, City of	2307	136,260	413,052	549,312
Eau Claire, Vlg of	1104	0	22,452	22,452

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Ecorse, City of	8206	128,604	2,522,412	2,668,236
Elk Rapids, Vlg of	0506	65,628	43,176	108,804
Elkton, Vlg of	3206	1,860	32,100	45,672
Elsie, Vlg of CLD	1906	0	(11,868)	0
Emmet CRC	2401	72,780	684,852	757,632
Emmett, Chtr Twp	1310	24,252	86,412	110,664
Erie, Twp of	5812	8,748	(2,016)	6,732
Escanaba, City of	2101	170,652	1,695,744	1,866,396
Essexville, City of	0903	73,224	189,360	287,220
Ewart Local Dev Finance Auth	6706	4,224	20,136	24,360
Ewart, City of	6705	37,776	35,232	73,008
Farmington Cmnty Lib	6319	20,412	42,852	73,404
Farmington, City of	6343	380,604	396,228	817,884
Farwell, Vlg of	1805	10,356	11,784	22,140
Fenton, City of	2505	281,616	460,680	742,296
Ferndale HC	6345	9,144	26,640	35,784
Ferrysburg, City of	7106	19,752	49,428	69,180
Flat Rock, City of	8212	149,748	1,104,828	1,268,448
Flint Pub Lib	2518	70,392	(28,836)	41,556
Flint, Chtr Twp of	2512	196,392	886,680	1,083,072
Flint, City of	2530	1,095,864	23,508,060	24,661,512
Flushing, Chtr Twp of	2515	35,244	142,704	177,948
Flushing, City of	2502	82,500	895,740	978,240
Forsyth Twp	5212	89,700	239,412	341,676
Fowler, Vlg of	1904	13,512	7,500	21,012
Fowlerville Dist Lib	4710	15,720	1,548	17,268
Fowlerville, Vlg of	4705	9,024	20,508	29,532
Frankenmuth Wickson Dist Lib	7323	4,488	636	5,124
Frankenmuth, City of	7306	96,852	313,224	410,076
Frankfort, City of	1002	41,352	121,164	162,516
Franklin, Vlg of	6323	53,148	217,560	287,688
Fraser, City of	5003	628,008	1,981,596	2,637,900
Fremont Area Dist Lib	6209	21,972	23,712	45,684
Fremont, City of	6203	176,388	371,856	548,244
Gaastra, City of	3617	6,528	9,084	15,612
Garden City, City of	8255	548,856	2,432,748	2,981,604
Gaylord, City of	6903	180,384	409,668	590,052
Genesee Chtr Twp	2510	178,092	664,608	842,700
Genoa Twp	4713	21,588	3,912	25,500
Gerald R Ford Intl Arpt Auth	4116	630,984	(914,388)	258,960
Gladstone, City of	2106	40,344	935,244	975,588
Gladwin City HC	2608	36,876	65,184	102,060
Gladwin Co	2602	256,488	507,660	764,148
Gladwin Co Dist Lib	2607	17,520	11,040	28,560
Gladwin CRC	2601	106,560	490,476	597,036
Gladwin, City of	2605	60,360	15,372	75,732
Gogebic-Iron WWTR Auth	2703	40,704	66,324	107,028
Grand Beach, Vlg of	1117	32,148	324	32,472
Grand Blanc Chtr Twp	2511	203,544	826,824	1,030,368
Grand Blanc, City of	2513	112,188	7,284	119,472
Grand Haven, City of	7010	459,840	1,731,756	2,191,596
Grand Ledge Area Dist. Library	2316	5,100	36	5,136
Grand Ledge Area ESA	2310	58,584	20,196	78,780
Grand Ledge, City of	2312	25,692	108,432	134,124
Grand Rapids HC	4108	9,108	208,524	217,632
Grand Traverse Co	2803	297,060	4,015,032	4,329,624
Grand Traverse CRC	2802	8,376	872,856	881,232
Grand Traverse Pavilions	2809	787,476	553,368	1,340,844
Grandville, City of	4102	61,032	1,035,264	1,096,296
Gratiot Co	2905	179,712	332,424	512,136
Gratiot CRC	2903	191,340	474,048	665,388
Grayling, City of	2003	23,580	257,400	280,980
Green Oak Chtr Twp	4708	94,476	216,852	311,328
Greenville, City of	5906	(61,848)	131,184	69,336
Grosse Ile Twp	8207	424,716	889,608	1,314,324
Grosse Pointe Park, City of	8201	282,192	1,444,032	1,726,224
Grosse Pointe-Clinton Ref CLD	5004	0	(105,324)	11,724
Groveland Twp	6335	47,964	(69,300)	19,248
Hackley Pub Lib	6114	21,756	2,700	24,456
Hamburg Twp	4709	79,236	142,668	221,904
Hamtramck HC	8250	102,876	45,012	147,888
Hamtramck, City of	8205	93,144	4,916,628	5,011,128

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Hancock, City of	3107	56,688	113,508	170,196
Harbor Beach, City of	3201	63,192	176,844	240,036
Harbor Springs Area Swg Auth	2406	25,380	7,896	33,276
Harbor Springs, City of	2405	66,912	158,676	225,588
Harper Woods, City of	8260	230,940	2,132,400	2,363,340
Harrison Dist Lib	1807	3,048	4,716	7,764
Harrison, City of	1803	40,008	83,592	123,600
Hartland Deerfield Fire Auth	4716	25,308	(8,268)	17,040
Hastings, City of	0801	146,772	577,236	725,292
Hazel Park, City of	6336	401,748	2,556,312	2,968,812
Helen Newberry Joy Hosp	4805	56,976	781,032	838,008
Henika Dist Lib	0310	4,896	(3,360)	1,536
Herrick Dist Lib	7012	73,260	130,320	203,580
Hesperia, Vlg of	6214	0	(4,044)	0
Hiawatha Bhvrl Hlth	1707	50,448	567,384	617,832
Hillsdale Co	3005	(53,820)	236,940	183,120
Hillsdale CRC	3004	85,392	313,680	399,072
Hillsdale HC	3007	10,644	(2,172)	8,472
Hillsdale, City of	3001	180,864	275,268	554,292
Hlth Source of Saginaw	7311	372,900	1,067,148	1,453,344
Holland Area Cmnty Pool Auth	7014	32,304	5,976	38,280
Holland Cmnty Hosp CLD	7006	0	(75,660)	0
Holland, City of	7001	863,616	2,106,408	2,970,024
Holly, Vlg of	6317	171,912	486,144	702,684
Homer, Vlg of	1304	35,712	12,588	48,300
Houghton Co	3102	315,072	784,704	1,099,776
Houghton CRC	3103	67,260	106,788	174,048
Houghton Lake Pub Lib	7203	19,968	3,948	23,916
Houghton, City of	3109	176,892	71,652	248,544
Howard City, Vlg of	5902	3,144	35,292	42,228
Howard Twp	1106	5,628	2,124	7,752
Howell Area Fire Auth	4714	44,568	5,928	50,496
Howell, City of	4702	275,484	699,072	974,556
Howell-Carnegie Dist Lib	4707	47,712	10,692	58,404
Hudsonville, City of	7004	0	179,604	179,604
Huntington Woods, City of	6303	146,124	1,325,472	1,471,596
Hurley Med Ctr	2521	1,240,152	14,535,996	15,776,148
Huron Behavioral Health	3215	325,476	138,732	464,208
Huron Chtr Twp	8224	176,208	526,800	736,704
Huron Co	3204	1,221,732	1,852,464	3,074,196
Huron CRC	3202	235,176	691,980	927,156
Imlay City, City of	4404	84,768	205,200	289,968
Independence Twp	6328	22,356	272,412	294,768
Indianfields Twp CLD	7905	0	(10,116)	0
Ingham Co	3303	4,706,160	11,200,704	16,036,536
Interurban Trans Auth	0308	19,224	17,976	37,200
Ionia Cmnty Lib	3412	19,920	14,184	34,104
Ionia Co	3408	186,972	131,592	318,564
Ionia CRC	3404	75,780	939,012	1,014,792
Ionia HC	3406	14,652	22,104	36,756
Ionia, City of	3403	346,236	837,144	1,183,380
losco Co	3501	333,888	790,668	1,124,556
losco CRC	3502	31,416	317,856	349,272
Iron Co	3606	600,852	1,011,132	1,623,888
Iron Co HC	3611	15,624	22,512	38,136
Iron CRC	3602	116,868	555,036	671,904
Iron Mountain, City of	2201	64,680	721,872	786,552
Iron Mountain-Kingsford Swg	2205	14,916	33,600	48,516
Iron River, City of	3601	56,856	275,532	332,388
Ironwood, City of	2706	172,968	683,220	856,188
Isabella Co	3703	358,260	2,323,824	2,714,964
Isabella Co Trans Comm	3709	22,032	28,500	50,532
Isabella CRC	3702	79,572	267,492	356,712
Ishpeming Area Joint Wwtr Trtm	5207	27,816	(7,836)	19,980
Ishpeming Twp	5216	21,948	11,292	33,240
Ishpeming, City of	5204	136,296	582,696	718,992
Ithaca, City of	2904	14,112	220,836	234,948
Jackson Dist Lib	3802	121,164	12,540	133,704
Jackson Trans Auth	3805	103,908	134,076	237,984
Jordan Valley Dist Lib	1507	4,128	2,184	6,312
Jordan Valley EMS Auth	1509	17,412	10,080	27,492
Kalamazoo Lake Swr & Wtr Auth	0306	34,692	14,136	48,828

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Kalamazoo Pub Lib	3903	329,400	65,016	394,416
Kalamazoo, Chtr Twp of	3907	210,216	218,076	428,292
Kalkaska Co	4003	325,332	412,440	737,772
Kalkaska CRC	4002	75,612	443,184	518,796
Kalkaska Pub Trans Auth	4004	41,400	22,524	63,924
Kalkaska, Vlg of	4001	42,624	213,924	256,548
Keego Harbor, City of	6322	23,976	174,204	200,040
Kent CRC	4111	0	(7,464)	0
Keweenaw Co	4202	64,944	56,808	121,752
Keweenaw CRC	4201	83,436	246,492	329,928
Kinde, Vlg of	3209	1,452	(2,448)	0
Kingsford, City of	2202	57,636	227,544	285,180
L.M.A.S. Dist Hlth Dept	4803	103,788	158,472	262,260
Lac Vieux Desert Band	8402	20,700	1,584	22,284
Laingsburg, City of	7608	16,212	6,096	22,308
Lake Co	4301	509,928	373,620	883,548
Lake CRC	4302	116,400	380,388	496,788
Lake Linden, Vlg of	3105	18,156	45,192	65,940
Lake Odessa, Vlg of	3402	10,656	4,284	14,940
Lake Orion, Vlg of	6318	13,800	126,912	140,712
Lakeland Lib Coop	4106	19,140	1,644	20,784
Lakeshore Coordinating Council	7007	0	(30,672)	0
Lakeview Cemetery	2407	5,640	312	5,952
L'Anse, Vlg of	0705	112,164	249,876	362,040
Lansing Chtr Twp	3320	164,064	98,772	262,836
Lansing HC	3311	29,412	25,080	85,032
Lapeer Co	4403	2,471,856	1,185,708	3,657,564
Lapeer CRC	4402	115,008	572,832	689,472
Lapeer Dist Lib	4410	22,848	117,492	140,340
Lapeer, City of	4401	500,028	582,720	1,082,748
Lathrup Vlg, City of	6311	33,660	126,816	208,800
Laurium, Vlg of	3104	19,176	75,348	94,524
Lawrence, Vlg of	8004	0	2,580	5,604
Leelanau Co	4501	546,204	285,312	831,516
Leelanau CRC	4503	41,664	108,840	150,504
Leoni Twp	3804	33,240	191,832	225,072
Leslie Twp	3319	6,420	4,632	11,052
Leslie, City of	3313	30,492	42,420	72,912
Lexington, Vlg of	7708	14,784	80,916	98,604
Lima Twp	8112	14,016	(6,612)	7,404
Lincoln Park, City of	8244	156,528	2,375,364	2,531,892
Litchfield, City of	3006	25,476	47,904	73,380
Livingston Co	4703	1,997,580	3,117,372	5,115,156
Livingston Co CMH Auth	4712	337,860	243,960	581,820
Livingston CRC	4701	340,032	674,220	1,014,252
Looking Glass Rgnl Fire CLD	2311	0	(7,776)	0
Loutit Dist Lib	7013	54,132	28,620	82,752
Lowell, City of	4104	172,188	387,828	560,016
Luce Co	4804	112,860	243,432	356,292
Luce Co Amb Svs	4806	28,452	2,016	30,468
Luce CRC	4801	77,148	469,344	546,492
Ludington, City of	5302	227,388	457,500	684,888
Luna Pier, City of	5802	7,272	226,944	234,216
Lyons, Vlg of	3411	0	528	528
Mackinac Co	4901	119,112	806,460	925,572
Mackinac Co HC	4905	3,768	5,052	8,820
Mackinac CRC	4903	62,940	655,872	718,812
Mackinac Straits Hlth Sys	4902	937,992	523,416	1,461,408
Mackinaw City, Vlg of	1606	19,428	17,304	36,732
Madison Heights, City of	6308	206,856	0	206,856
Madison, Chtr Twp of	4605	32,052	35,784	67,836
Manistee Co	5101	591,864	987,240	1,695,012
Manistee CRC	5103	115,848	452,616	568,464
Manistee HC	5107	6,876	1,524	8,400
Manistee, City of	5105	228,624	263,004	491,628
Manistique, City of	7504	232,944	574,920	808,752
Manlius Twp	0311	2,652	3,408	6,060
Manton, City of	8304	9,852	94,956	104,808
Marenisco Twp	2704	14,340	9,792	24,132
Marine City, City of CLD	7704	0	(3,252)	2,472
Marion, Vlg of	6704	5,856	11,640	18,960
Marlette, City of	7405	44,052	46,224	90,276

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Marquette Brd of Light & Power	5209	178,716	1,491,996	1,670,712
Marquette Chtr Twp	5215	91,200	53,664	144,864
Marquette Co	5202	764,796	2,978,100	3,742,896
Marquette Co Solid Waste Mgmt	5213	75,744	(1,932)	73,956
Marquette Co Trans Auth	5206	63,072	19,500	82,572
Marquette CRC	5211	177,684	1,200,096	1,377,780
Marquette, City of	5201	654,060	2,363,388	3,017,448
Marshall Area Firefighters Amb	1313	29,796	(7,668)	22,128
Marshall Dist Lib	1309	0	52,512	52,512
Marshall, City of	1306	180,804	1,037,112	1,217,916
Mason Co	5301	867,192	1,560,780	2,427,972
Mason Co Dist Lib	5303	40,584	37,992	78,576
Mason CRC	5305	166,860	169,584	336,444
Mason, City of	3304	125,040	459,216	594,360
Mason-Oceana 911	6403	59,976	32,940	92,916
MBS Intl Arpt	0902	159,768	349,452	512,280
Meceola Central Dispatch	5405	52,788	35,700	88,488
Mecosta Co	5403	180,552	(42,648)	152,460
Mecosta Co General Hosp CLD	5404	0	(359,796)	135,336
Mecosta CRC	5401	99,684	111,528	211,212
Melvindale HC	8220	21,396	24,180	45,576
Melvindale, City of	8215	110,880	2,275,116	2,385,996
Menominee Co	5502	345,432	655,500	1,018,272
Menominee CRC	5503	38,316	170,016	208,332
Menominee, City of	5501	166,872	201,036	367,908
Meridian Chtr Twp	3315	584,820	1,788,312	2,373,132
MERS	2308	1,190,304	218,580	1,408,884
Metamora Twp	4409	29,088	3,204	32,292
Metro Police Authority of Gene	2532	103,740	20,592	124,332
Mich Muni Risk Mgmt Auth	8237	34,128	(12,888)	21,240
Mich S Central Power Agcy	3002	50,208	(31,332)	32,052
Middleville, Vlg of	0803	21,720	29,196	50,916
Midland Co Central Disp Auth	5604	72,756	74,472	147,228
Midland CRC	5602	109,848	950,208	1,060,056
Midland, City of	5601	776,292	4,164,996	4,941,288
Mid-Mich Dist Hlth Dept	5901	214,164	158,916	373,080
Mid-Mich Lib League	8306	11,868	5,700	17,568
Mid-Peninsula Lib Coop CLD	3609	0	19,320	19,320
Milan Lib	5806	8,640	12,204	20,844
Milan, City of	5801	67,644	818,052	885,696
Millford, Vlg of	6313	132,588	434,256	566,844
Millington, Vlg of	7904	9,228	(7,692)	2,520
Missaukee Co	5702	111,924	117,984	229,908
MOA Solid Waste Mgmt Auth	6002	30,504	4,644	35,148
Monroe HC	5808	58,872	93,528	152,400
Montague, City of	6112	85,500	142,104	227,604
Montcalm Co	5907	284,796	426,816	711,612
Montcalm CRC	5905	156,228	620,856	777,084
Montmorency Co	6001	201,372	381,036	582,408
Montrose, City of	2509	1,860	50,868	52,728
Mt. Morris Chtr Twp	2503	271,812	1,241,436	1,513,248
Mt. Pleasant, City of	3701	390,264	753,756	1,144,020
Muir, Vlg of	3405	36	2,088	2,124
Mundy, Chtr Twp of	2517	26,172	(420)	25,752
Munising, City of	0202	138,552	235,968	374,520
Muskegon Area Dist Lib	6117	94,872	20,148	115,020
Muskegon Chtr Twp	6108	133,332	469,200	602,532
Muskegon Co	6103	1,655,316	9,081,444	10,758,912
Muskegon CRC	6101	347,856	765,888	1,118,784
Muskegon HC	6113	30,720	18,060	48,780
Muskegon Heights HC	6115	33,828	35,700	69,528
Muskegon Heights, City of	6102	240,192	991,368	1,231,560
Muskegon, City of	6116	579,204	1,381,116	2,074,044
N Houghton Co Wtr&Swg Auth	3106	11,208	10,632	21,840
N Muskegon, City of	6104	38,184	117,888	161,436
Nashville, Vlg of	0807	20,964	(1,476)	19,488
Negaunee Twp	5217	2,712	4,296	7,008
Negaunee, City of	5203	129,492	420,804	550,296
Network180	4109	280,740	170,352	451,092
New Baltimore, City of	5016	190,320	251,136	448,308
New Buffalo Twp	1121	15,564	(5,016)	10,548
New Buffalo, City of	1113	45,060	25,392	70,452

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<u>Municipality Name</u>	<u>Number</u>	<u>Normal Cost</u>	<u>Amortization Payment<sup>2</sup></u>	<u>Total Employer Contribution</u>
Newaygo CMH	6207	3,348	(49,308)	0
Newaygo Co	6201	53,124	1,254,528	1,307,652
Newaygo CRC	6212	147,780	129,564	278,016
Newaygo MCF	6204	146,208	(21,780)	126,528
Newaygo Soil & Wtr Cnsvrn Dist	6205	5,856	1,332	7,188
Newberry, Vlg of	4802	57,072	117,000	174,072
Niles Dist Lib	1105	15,072	9,936	25,008
Niles, City of	1115	342,960	542,292	885,252
Northern Lakes CMH Auth	2808	600	962,400	963,000
Northfield Twp	8117	57,096	13,056	70,152
Northpointe Bhvrl Hlth Sys	2207	224,052	148,452	379,332
Northville Chtr Twp	8230	1,086,744	947,580	2,034,324
Northville Dist Lib	8229	120,696	48,264	168,960
Northville, City of	8208	72,912	1,067,484	1,140,396
Norton Shores, City of	6106	528,468	1,703,592	2,232,060
Norway, City of	2204	118,416	897,528	1,015,944
Nottawasippi Huron Band	8403	103,860	4,884	108,744
Novi, City of	6320	805,620	3,288,588	4,107,240
NW Mich Cmnty Hlth Agcy	1502	25,884	468,972	494,856
NW Rgnl Arpt Comm	2805	129,528	45,228	174,756
Oceana Co	6402	424,008	1,037,232	1,461,240
Oceola Twp	4717	29,508	3,324	32,832
Ogemaw Co	6502	201,252	1,065,384	1,266,636
Ogemaw Co EMS Auth	6508	138,372	34,632	173,004
Ogemaw CRC	6503	81,792	330,216	412,008
Olive Twp	7009	2,172	10,320	12,492
Onaway, City of	7105	8,316	8,028	19,620
Ontonagon Co	6602	156,252	215,052	372,096
Ontonagon Co Economic Dev Corp	6605	0	9,720	9,720
Ontonagon CRC	6604	296,196	923,688	1,219,884
Ontonagon, Vlg of	6603	43,020	433,176	476,196
Orchard Lake, City of	6312	22,920	418,620	441,540
Oronoko Chtr Twp	1114	28,020	59,220	87,240
Osceola Co	6701	419,160	234,816	653,976
Osceola CRC	6703	78,696	264,492	343,188
Oscoda Chtr Twp	3503	43,500	116,976	160,476
Oscoda Co	6801	223,704	240,732	464,436
Oscoda Co Lib	6803	3,132	(5,868)	0
Oscoda Wurtsmith Arpt Auth I	6802	15,636	6,672	22,308
Otisville, Vlg of	2506	14,376	23,304	38,364
Otsego Co	6902	346,044	567,864	913,908
Otsego CRC	6901	133,152	411,300	544,452
Ottawa Co	7003	2,951,088	5,089,104	8,040,192
Ottawa Co Central Disp Auth	7008	11,652	108,252	121,704
Ottawa CRC	7002	295,308	1,648,908	1,944,216
Otter Lake, Vlg of	4408	0	3,516	3,516
Owosso, City of	7607	19,944	147,132	167,076
Oxford Fire Department	6327	97,164	157,284	254,448
Oxford, Vlg of	6326	40,476	89,436	129,912
Parchment, City of	3901	11,256	98,856	110,112
Pathways(Spr.Bhvl.Mntl.Hlth)	5214	56,952	3,444,420	3,501,372
Paw Paw Lk Reg Jnt Swg Disp Bd	1103	21,948	28,392	50,340
Paw Paw, Vlg of	8002	96,108	175,404	271,512
Pellston, Vlg of	2404	4,224	7,800	12,024
Pennfield Chtr Twp	1312	60,804	62,088	122,892
Pentwater, Vlg of	6401	38,208	33,108	71,316
Perrinton, Vlg of	2909	4,992	672	5,664
Petersburg, City of	5807	17,196	(4,020)	13,176
Petoskey, City of	2402	372,096	404,916	777,012
Pewamo, Vlg of	3407	6,204	4,464	10,668
Pigeon, Vlg of	3203	12,684	38,388	51,072
Pinckney, Vlg of	4706	65,448	50,700	116,148
Pinconning, City of	0904	8,268	69,036	77,304
Pittsfield Chtr Twp	8110	677,988	711,384	1,410,276
Pleasant Ridge, City of	6301	58,164	220,368	278,532
Plymouth Dist Lib	8221	104,052	85,500	189,552
Plymouth, Chtr Twp of	8238	193,788	1,015,152	1,216,704
Plymouth, City of	8202	0	937,932	937,932
Pokagon Band of Potawatomi	8401	1,924,356	1,800	1,926,156
Port Austin Area Swr&Wtr Auth	3210	0	(8,988)	0
Port Austin, Vlg of	3208	5,292	12,072	17,364
Port Huron Chtr Twp	7711	67,536	83,808	151,344



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Port Huron HC	7712	112,776	241,260	354,036
Port Huron, City of	7702	1,001,976	5,173,260	6,178,440
Port Sanilac, Vlg of	7403	13,308	38,172	51,480
Port Sheldon Twp	7018	20,508	(6,168)	14,340
Portland, City of	3401	160,488	365,376	525,864
Pottsville, City of	2313	28,176	19,080	47,256
Presque Isle Co	7104	186,264	313,932	500,196
Presque Isle CRC	7101	77,808	347,028	424,836
PRIDE Youth Programs CLD	6210	0	11,472	11,472
Ravenna, Vlg of	6111	4,320	1,512	5,832
Reading, City of	3003	10,536	4,548	15,084
Redford Twp Dist Lib	8228	49,020	28,344	77,364
Redford, Chtr Twp of	8209	476,976	1,594,932	2,071,908
Reed City, City of	6702	110,916	189,924	300,840
Richfield Twp (Genesee Co)	2514	6,936	174,348	181,284
Richfield Twp (Roscommon Co)	7202	38,208	71,388	109,596
Richland Twp	7310	33,744	163,392	197,136
Richmond, City of	5012	(5,136)	55,500	50,364
Rochester, City of	6307	201,288	619,680	820,968
Rockford, City of	4103	164,940	239,328	404,268
Rockwood, City of	5810	59,112	10,332	73,680
Rogers City, City of	7102	43,884	415,308	459,192
Romeo Dist Lib	5006	13,860	120,876	134,736
Romeo, Vlg of	5005	133,452	222,216	355,668
Romulus, City of	8225	312,000	2,395,980	2,711,544
Roosevelt Park, City of	6107	57,780	222,600	280,380
Roscommon Co	7201	311,076	659,100	970,176
Roscommon Co Trans Auth	7205	67,320	39,672	106,992
Rose City, City of	6504	12,744	6,888	19,632
Rose Twp	6506	6,072	(27,024)	0
Royal Oak, Chtr Twp of	6306	13,968	(184,020)	16,272
Saginaw Chtr Twp	7314	84,384	(27,564)	63,960
Saginaw Co	7303	136,140	3,250,812	3,386,952
Saginaw Co 911 Com Ctr	7316	23,256	961,692	984,948
Saginaw Co CMH	7318	32,496	519,612	554,688
Saginaw CRC	7304	237,876	718,032	955,908
Saginaw HC	7321	15,900	152,244	168,144
Saginaw Trans Sys Auth	7319	99,108	9,084	108,192
Saginaw, City of	7301	1,249,632	13,390,896	14,644,188
Saginaw, Pub Lib of	7317	29,484	(117,240)	0
Saginaw-Midland Muni Wtr Corp	7305	30,216	291,132	321,348
Saline, City of	8105	263,184	946,908	1,210,092
Sandusky Dist Lib	7404	2,832	108	2,940
Sandusky, City of	7402	57,036	150,864	207,900
Sanilac CRC	7410	127,308	83,652	210,960
Saranac HC	3413	6,540	20,784	27,324
Saugatuck Twp	0305	21,444	38,148	59,592
Saugatuck Twp Fire Dist	0313	27,984	7,236	35,220
Saugatuck, City of	0307	38,664	20,832	59,496
Sault Ste. Marie HC	4906	19,248	(5,016)	14,232
Sault Ste. Marie Tribe of Chip	8404	147,264	(252)	147,012
Sault Ste. Marie, City of	1701	179,052	678,768	857,820
SCCMUA	1905	30,972	49,428	80,400
Schoolcraft Co	7503	441,780	886,248	1,337,028
Schoolcraft Co Trans Auth	7506	45,048	45,792	90,840
Schoolcraft CRC	7501	104,400	576,576	680,976
Schoolcraft Memorial Hosp	7505	53,316	1,136,196	1,189,512
Scio Twp	8116	83,436	48,396	131,832
Scottville, City of	5308	20,796	6,588	27,384
SE Oakland Co Rsrc Rec Auth	6310	64,224	140,940	205,164
SE Oakland Co Wtr Auth	6309	67,464	59,592	128,748
Sebewaing, Vlg of	3205	63,660	(33,096)	109,056
SEMCOG	8210	514,608	332,892	847,500
Shepherd, Vlg of	3704	14,544	(1,056)	13,488
Shiawassee Co	7602	1,223,208	2,462,880	3,747,924
Shiawassee Council on Aging	7605	3,804	19,704	23,508
Shiawassee CRC	7601	85,296	335,568	420,984
Shiawassee Dist Lib	7606	15,408	(6,792)	8,616
Shiawassee Hlth & Wellness	7609	533,640	155,808	689,448
Sims Whitney Util Auth	0606	4,716	4,368	9,084
SMART	8216	2,652,000	4,848,240	7,500,240
South Haven Area ESA	8005	55,872	238,044	295,248

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South Haven, City of	8001	393,180	420,948	835,776
South Lyon, City of	6315	254,652	351,612	606,264
Southgate, City of	8262	64,620	719,676	784,296
Sparta, Vlg of	4107	62,124	87,696	149,820
Spring Lake Dist Lib	7016	42,804	(3,084)	39,720
Spring Lake, Vlg of	7015	11,700	45,840	64,572
Springfield, City of	1303	38,592	235,140	273,732
St Charles, Vlg of	7308	37,896	133,488	171,384
St Clair HC	7715	0	44,328	44,328
St Clair Shores HC	5007	30,396	83,388	113,784
St Clair, City of	7703	125,640	743,580	869,616
St Ignace, City of	4904	125,820	350,124	475,944
St Johns, City of	1902	90,552	871,932	962,484
St Joseph Co	7803	526,032	206,244	735,972
St Louis HC	2908	11,112	10,200	21,312
St Louis, City of	2902	14,700	446,376	461,076
Stambaugh Twp	3615	1,848	4,608	6,456
Standish, City of	0601	3,420	268,080	271,500
Stanton, City of CLD	5903	0	(8,040)	0
Stephenson, City of	5504	18,840	20,208	39,048
Sterling, Vlg of	0605	5,508	(14,088)	0
Stockbridge, Vlg of	3316	20,304	26,760	47,064
Sturgis HC	7805	11,628	(228)	11,400
Summit Twp	3803	222,600	434,940	657,540
Sumpter Twp	8226	128,076	182,124	310,200
Superior Chtr Twp	8109	121,272	171,264	292,536
Superior Dist Lib	1702	18,588	(55,020)	0
Superiorland Lib Coop	5208	0	22,500	22,500
Suttons Bay Bingham Fire Auth	4506	40,752	44,472	85,224
SW Mich Comm Amb Svcs	1119	10,716	27,192	37,908
SW Shiawassee ESA	7611	50,136	2,208	52,344
Swan Creek Twp	7309	7,896	10,380	18,276
Swartz Creek, City of	2504	3,060	(876)	8,628
Sylvan Lake, City of	6314	21,540	70,380	91,920
Tawas Police Auth	3504	36	43,464	43,500
Taylor HC	8231	15,012	1,812	16,824
The Lib Network	8218	81,852	189,156	271,008
Three Rivers, City of	7801	230,544	388,428	618,972
Tittabawassee, Twp of	7322	63,120	588	63,708
Traverse Area Dist Lib	2807	1,812	97,716	99,528
Traverse City Light & Power	2811	351,108	2,011,752	2,362,860
Traverse City, City of	2801	524,484	1,068,396	1,592,880
Trenton, City of	8203	54,408	3,721,512	3,775,920
Tri-County Aging Consortium	3307	336,492	56,052	392,544
Trio Council on Aging Inc CLD	6507	0	(6,696)	0
Tuscarora Twp	1604	59,556	53,292	112,848
Tuscola Co	7902	328,260	82,128	410,388
Tuscola Co CMH	7907	276,684	212,004	488,688
Tuscola Co Hlth Dpt	7901	89,712	44,004	133,716
Tuscola Co MCF	7906	228,252	87,744	315,996
Tuscola CRC	7908	52,752	145,008	197,760
Twin City Pub Safety Auth CLD	3610	0	(4,440)	0
Ubyly, Vlg of	3212	5,316	15,396	20,712
Utica, City of	5008	59,592	153,444	213,036
Van Buren Co	8006	568,464	885,384	1,453,848
Van Buren Dist Lib	8007	23,904	28,800	52,704
Van Buren Twp	8236	233,616	315,468	549,084
Vassar, City of	7903	23,244	254,268	277,512
Vevay Twp	3318	4,104	24,624	28,728
Vicksburg Dist Lib	3904	6,564	4,308	10,872
Vicksburg, Vlg of	3902	35,028	58,704	93,732
Vienna, Chtr Twp of	2522	7,224	51,288	58,512
W Iron Co Swr Auth	3612	16,836	45,684	62,520
W Mich CMH Sys	5304	12,492	98,268	110,760
W Mich Shoreline Rgnl Dev Comm	6110	24,120	(78,408)	0
W UP Dist Hlth Dept	3101	49,692	663,504	713,196
Wakefield, City of	2701	32,868	156,924	189,792
Walker, City of	4112	180,072	1,688,196	1,868,268
Walled Lake, City of	6324	105,936	737,244	843,180
Washtenaw Co	8113	2,124,384	1,957,836	4,088,508
Washtenaw CRC	8102	289,572	2,057,112	2,409,444
Wayland, City of	0304	172,344	166,332	338,676

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Wayne HC	8252	18,564	17,184	35,748
Wayne, City of	8242	455,688	5,225,964	5,708,268
Webberville, Vlg of	3314	6,576	756	7,332
West Branch Dist Lib	6509	8,736	3,660	12,396
West Branch, City of	6505	41,820	156,024	197,844
Westland, City of	8211	738,060	6,161,424	6,992,076
Westphalia, Vlg of	1907	9,972	9,132	19,104
Wexford Co	8302	362,184	742,332	1,104,516
Wexford CRC	8303	125,856	163,248	289,104
White Cloud Cmnty Lib	6208	10,800	3,552	14,352
White Cloud, City of	6206	30,540	28,572	59,112
White Cloud/Sherman Util	6211	11,148	11,640	22,788
White Lake Chtr Twp	6325	364,920	608,664	973,584
White Pigeon, Vlg of	7804	3,000	1,992	4,992
White Pine District Library	5904	1,176	12,000	13,176
Whitehall, City of	6105	97,836	126,276	224,112
Willard Pub Lib	1308	117,708	27,792	145,500
Williamston, City of	3310	61,740	134,028	195,768
Wixom, City of	6316	216,084	1,658,016	1,874,100
Wolverine Lake, Vlg of	6329	(7,644)	101,676	94,032
WUPPDR	3108	17,556	15,012	32,568
Ypsilanti Cmnty Util Auth	8106	482,868	1,612,656	2,095,524
Ypsilanti HC	8115	11,496	8,712	20,208
Ypsilanti, City of	8101	171,276	(547,548)	59,628
Ypsilanti, Twp of	8104	172,776	432,024	604,800
Totals - Active Groups	727	130,138,836	382,603,812	516,526,800
Totals - Closed Groups	16	0	505,800	1,394,724
Totals - MERS	743	130,138,836	383,109,612	517,921,524