

Description of Michigan County Economic and Fiscal Indicators

This document includes economic, demographic, and fiscal data for Michigan's 83 counties. The data is the latest available as of June 2017, in most cases 2016 data. A description of each data set is included.

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Indicator- County Population, Current and Percent Change

Exhibit: 1 & 2

Description- Annual population estimates from U.S. Bureau of Census

Timeliness- 2016 data is currently available. 2017 data will be available in July.

Calculations- % change, 2000-2008, 2008-2016, 2000-2016, last 3 years

Fiscal Distress Indicator- % change last three years

Usefulness as Indicator of Fiscal Health/Distress- Moderate

Source- U.S. Census Bureau

Website- www.census.gov

There appears to be a correlation between population loss and fiscal problems. Population loss or slow growth is generally a sign of the weakening of a locality's economy or the loss of a major employer. Local governments are often unable to match the reduced growth or decline in revenues in the short term. Population change is also a measure of the need for public services.

Indicator- Taxable Value: Total by Class, Per capita, Percent Change

Exhibits: 3-5

Description- Change in property tax base. The property tax accounts for about 54% of county GF funding.

Timeliness- FY 2016 data is currently available

Calculations- % change 2000-2016, 2008-2012, 2012-2016 for major classes of property

Fiscal Distress Indicator- % change from previous year and large % decline

Usefulness as Indicator of Fiscal Health/Distress- High

Source - Michigan Department of Treasury

Site- Michigan.gov/treasury

There is a high correlation between per capita TV and GF expenditures per capita. A regression analysis using TV, the millage rate, and the income tax explains about 84% of the variation in GF per capita spending. A statistical analysis also found that cities with a TV of much less than \$20,000 are likely to have recurring fiscal problems. For example, cities with per capita TV of \$17,500 spend only 75% of their population group average, one of the criteria for a service insolvent city.

Indicator- General Fund Expenditures

Exhibits: 6 & 7

Description- Spending measures the ability of a unit of local government to provide a reasonable level of services. This measure is most useful when separated by population group. Spending patterns vary by population size, particularly for public safety.

Timeliness- Most recent data is for all counties is 2015.

Calculations- % change, 2008-2015

Fiscal Distress Indicator- GF expenditures as % of taxable value.

Usefulness as Indicator of Fiscal Health/Distress- High

Source- Michigan Department of Treasury

Site Address- Michigan.gov/treasury

GF expenditures as a share of TV measures the size of a unit's public sector relative to its ability to generate revenues. Units of government with a high percentage will likely need to cut expenditures and find new sources of revenue in the near future.

Indicator- General Fund Balances

Exhibit: 8

Description- Size of a local units reserve funds (unassigned, unrestricted). The Municipal Finance Officers Association recommends that local units have a fund balance of at least two months expenditures (16.7%).

Timeliness- Most recent data is FY 2016.

Calculations- % of revenues, 2016

Fiscal Distress Indicator- % of GF expenditures, latest year

Usefulness as Indicator of Fiscal Health/Distress- High

Source- Michigan Department of Treasury

Site Address- Michigan.gov/treasury

Indicator- Unemployment Rate

Exhibits: 9 & 10

Description- The rate is calculated by dividing the number of unemployed by the civilian labor force. The data is collected from a monthly household survey. A more comprehensive rate (U-6) includes discouraged workers, workers working part-time but wanting a full-time job, and workers marginally attached to the labor force.

Timeliness- Monthly data is available with a two month lag.

Calculations- Rate for 2008 and 2016, and percentage point change since 2008.

Fiscal Distress Indicator- No

Usefulness as Indicator of Fiscal Health/Distress- Moderate

Source - U.S Department of Labor Statistics

Site Address- www.bls.gov

Indicator-Employment

Exhibit: 11

Description- Wage and salary employment by industry is collected by surveying a sample of businesses. The data are revised quarterly using unemployment insurance filings (202), which require reporting of actual number of employees.

Timeliness- Annual data for 2015 is currently available as is monthly data for the first nine months of 2016.

Calculations- percentage change 2001-2010, 2010-2015, 2001-2015

Fiscal Distress Indicator- No

Usefulness as Indicator of Fiscal Health/Distress- Moderate

Source- U.S Department of Labor Statistics

Site Address- www.bls.gov

Indicator- Personal Income

Exhibits: 12 & 13

Description- Includes wages and salaries, transfer payments, interest and dividends, and proprietor's income for Michigan residents. Measures the ability of households to pay taxes.

Timeliness- Annual data for 2015 is currently available.

Calculations- Per capita income total and as % of state average. Personal income, 2000, 2008, and 2016 and % change.

Fiscal Distress Indicator- No

Usefulness as Indicator of Fiscal Health/Distress- Moderate

Source- U.S Department of Labor Statistics

Site Address- www.bea.gov

Indicator- Millage Rates and Headlee Rollback Impact

Exhibit: 14

Description- Millage rates range from 3.3897 in Livingston County to 7.0612 in Menominee County. The average county millage rate is 5.097 mills. Twelve counties levy less than their maximum allowed millage without a vote of the electorate. The average Headlee rollback amount is .4151 mills, which reduces county revenue by \$150 million.

Timeliness- Annual data for 2016 is currently available.

Calculations- Headlee rollback amount and millage below maximum rate.

Fiscal Distress Indicator- No

Usefulness as Indicator of Fiscal Health/Distress- Moderate

Source: Michigan Department of Treasury

Site Address- Michigan.gov/treasury

Indicator- Long Term Debt

Exhibit 15

Description- Local units with a relatively large debt load may be using debt to meet their short-term obligations and they may lack the ability to pay off the debt in the long-term.

Timeliness- All county data available for FY2014. Some county data available for FY 2015 and 2016.

Calculations- Long term debt as a % of TV

Fiscal Distress Indicator- Yes

Usefulness as Indicator of Fiscal Health/Distress- High

Source: Michigan Department of Treasury (audit reports)

Site Address- Michigan.gov/treasury

Indicator- Legacy Costs

Description- Pension and retiree health care costs are a major budget item for local governments; amounting to about 10% of county revenue. County pensions are 80% funded and the OPEB (retiree health costs) liability is 21% funded. The unfunded liability is \$2.1 billion for pensions and \$3 billion for OPEB

Timeliness- Annual data for FY 2016 is currently available.

Calculations- Percent of county revenue

Fiscal Distress Indicator- No

Usefulness as Indicator of Fiscal Health/Distress- Moderate

Source: Michigan Department of Treasury and MERS.

Site Address- Michigan.gov/treasury

Indicator- GF and Other Funds Deficit

Description- A deficit in the general fund or other funds is a key indicator of fiscal distress. In FY 2015, 19 counties reported a GF fund deficit; the average deficit was 4% of revenues.

Timeliness- Annual data for 2016 is currently available.

Calculations- Deficit as a % of revenues

Fiscal Distress Indicator- Yes

Usefulness as Indicator of Fiscal Health/Distress- High

Source- Michigan Department of Treasury (audit reports)

Site Address- Michigan.gov/treasury

Exhibit 1: County Population, 2000, 2008, 2016, Actual and Percent Change

County Population, 2000, 2008, and 2016, Actual and % Change						
County	2000	2008	2016	% Change, 2000-2008	% Change, 2008-2016	% Change, 2000-2016
Alcona, MI	11,677	11,286	10,352	-3.3%	-8.3%	-11.3%
Alger, MI	9,819	9,647	9,219	-1.8%	-4.4%	-6.1%
Allegan, MI	105,904	111,589	115,548	5.4%	3.5%	9.1%
Alpena, MI	31,269	30,119	28,704	-3.7%	-4.7%	-8.2%
Antrim, MI	23,264	24,047	23,144	3.4%	-3.8%	-0.5%
Arenac, MI	17,278	16,547	15,122	-4.2%	-8.6%	-12.5%
Baraga, MI	8,875	8,822	8,503	-0.6%	-3.6%	-4.2%
Barry, MI	56,931	59,788	59,702	5.0%	-0.1%	4.9%
Bay, MI	110,192	108,320	104,747	-1.7%	-3.3%	-4.9%
Benzie, MI	16,090	17,733	17,572	10.2%	-0.9%	9.2%
Berrien, MI	162,471	157,380	154,010	-3.1%	-2.1%	-5.2%
Branch, MI	45,875	46,305	43,427	0.9%	-6.2%	-5.3%
Calhoun, MI	138,014	137,313	134,386	-0.5%	-2.1%	-2.6%
Cass, MI	51,146	52,684	51,599	3.0%	-2.1%	0.9%
Charlevoix, MI	26,171	26,280	26,174	0.4%	-0.4%	0.0%
Cheboygan, MI	26,530	26,738	25,401	0.8%	-5.0%	-4.3%
Chippewa, MI	38,593	39,247	37,724	1.7%	-3.9%	-2.3%
Clare, MI	31,398	31,064	30,358	-1.1%	-2.3%	-3.3%
Clinton, MI	65,020	74,302	77,888	14.3%	4.8%	19.8%
Crawford, MI	14,308	14,379	13,744	0.5%	-4.4%	-3.9%
Delta, MI	38,542	37,409	36,202	-2.9%	-3.2%	-6.1%
Dickinson, MI	27,460	26,622	25,535	-3.1%	-4.1%	-7.0%
Eaton, MI	104,000	108,021	109,160	3.9%	1.1%	5.0%
Emmet, MI	31,517	32,852	33,182	4.2%	1.0%	5.3%
Genesee, MI	436,965	433,082	408,615	-0.9%	-5.6%	-6.5%
Gladwin, MI	26,127	25,956	25,122	-0.7%	-3.2%	-3.8%
Gogebic, MI	17,219	16,499	15,243	-4.2%	-7.6%	-11.5%
Grand Traverse, MI	78,004	86,209	92,084	10.5%	6.8%	18.1%
Gratiot, MI	42,472	42,774	41,202	0.7%	-3.7%	-3.0%
Hillsdale, MI	46,698	46,951	45,774	0.5%	-2.5%	-2.0%
Houghton, MI	35,964	36,292	36,555	0.9%	0.7%	1.6%
Huron, MI	36,047	33,504	31,481	-7.1%	-6.0%	-12.7%
Ingham, MI	279,715	281,315	288,051	0.6%	2.4%	3.0%
Ionia, MI	61,712	65,167	64,232	5.6%	-1.4%	4.1%
Iosco, MI	27,334	26,542	25,327	-2.9%	-4.6%	-7.3%
Iron, MI	13,106	12,081	11,195	-7.8%	-7.3%	-14.6%
Isabella, MI	63,444	69,328	71,282	9.3%	2.8%	12.4%
Jackson, MI	158,679	160,825	158,460	1.4%	-1.5%	-0.1%
Kalamazoo, MI	239,008	246,862	261,654	3.3%	6.0%	9.5%
Kalkaska, MI	16,640	17,546	17,263	5.4%	-1.6%	3.7%
Kent, MI	576,178	599,234	642,173	4.0%	7.2%	11.5%
Keweenaw, MI	2,274	2,119	2,199	-6.8%	3.8%	-3.3%
Lake, MI	11,338	11,629	11,496	2.6%	-1.1%	1.4%
Lapeer, MI	88,271	89,914	88,340	1.9%	-1.8%	0.1%
Leelanau, MI	21,257	21,731	21,765	2.2%	0.2%	2.4%
Lenawee, MI	99,069	101,169	98,504	2.1%	-2.6%	-0.6%
Livingston, MI	158,345	181,171	188,624	14.4%	4.1%	19.1%
Luce, MI	7,006	6,680	6,358	-4.7%	-4.8%	-9.2%
Mackinac, MI	11,938	11,248	10,820	-5.8%	-3.8%	-9.4%
Macomb, MI	790,846	837,857	867,730	5.9%	3.6%	9.7%
Manistee, MI	24,609	24,960	24,373	1.4%	-2.4%	-1.0%

County Population, 2000, 2008, and 2016, Actual and % Change						
County	2000	2008	2016	% Change, 2000-2008	% Change, 2008-2016	% Change, 2000-2016
Marquette, MI	64,606	66,539	66,435	3.0%	-0.2%	2.8%
Mason, MI	28,350	28,668	28,876	1.1%	0.7%	1.9%
Mecosta, MI	40,657	42,683	43,221	5.0%	1.3%	6.3%
Menominee, MI	25,281	24,317	23,281	-3.8%	-4.3%	-7.9%
Midland, MI	82,913	83,605	83,462	0.8%	-0.2%	0.7%
Missaukee, MI	14,536	15,028	15,102	3.4%	0.5%	3.9%
Monroe, MI	146,364	152,806	149,208	4.4%	-2.4%	1.9%
Montcalm, MI	61,484	63,635	62,974	3.5%	-1.0%	2.4%
Montmorency, MI	10,364	9,922	9,173	-4.3%	-7.5%	-11.5%
Muskegon, MI	170,396	173,846	173,408	2.0%	-0.3%	1.8%
Newaygo, MI	47,972	49,153	47,938	2.5%	-2.5%	-0.1%
Oakland, MI	1,196,165	1,199,545	1,243,970	0.3%	3.7%	4.0%
Oceana, MI	26,902	27,120	26,027	0.8%	-4.0%	-3.3%
Ogemaw, MI	21,710	21,885	20,904	0.8%	-4.5%	-3.7%
Ontonagon, MI	7,825	6,922	5,911	-11.5%	-14.6%	-24.5%
Osceola, MI	23,248	23,662	23,110	1.8%	-2.3%	-0.6%
Oscoda, MI	9,392	8,963	8,264	-4.6%	-7.8%	-12.0%
Otsego, MI	23,443	24,378	24,470	4.0%	0.4%	4.4%
Ottawa, MI	239,559	261,906	282,250	9.3%	7.8%	17.8%
Presque Isle, MI	14,378	13,701	12,762	-4.7%	-6.9%	-11.2%
Roscommon, MI	25,494	24,856	23,700	-2.5%	-4.7%	-7.0%
Saginaw, MI	209,899	201,966	192,326	-3.8%	-4.8%	-8.4%
St. Clair, MI	164,621	165,959	159,587	0.8%	-3.8%	-3.1%
St. Joseph, MI	62,480	62,083	60,583	-0.6%	-2.4%	-3.0%
Sanilac, MI	44,516	44,177	41,409	-0.8%	-6.3%	-7.0%
Schoolcraft, MI	8,915	8,471	8,001	-5.0%	-5.5%	-10.3%
Shiawassee, MI	71,714	71,523	68,554	-0.3%	-4.2%	-4.4%
Tuscola, MI	58,251	56,512	53,338	-3.0%	-5.6%	-8.4%
Van Buren, MI	76,242	76,501	75,223	0.3%	-1.7%	-1.3%
Washtenaw, MI	324,372	341,595	364,709	5.3%	6.8%	12.4%
Wayne, MI	2,057,255	1,865,058	1,749,366	-9.3%	-6.2%	-15.0%
Wexford, MI	30,537	32,765	33,163	7.3%	1.2%	8.6%
Michigan	9,952,450	9,946,889	9,928,030	-0.1%	-0.2%	-0.2%

Exhibit 2: County Population, Last 3 Years

County Population, last 3 years, Actual and Percent Change			
County	2013	2016	% Change
Alcona, MI	10,573	10,352	-2.1%
Alger, MI	9,495	9,219	-2.9%
Allegan, MI	112,415	115,548	2.8%
Alpena, MI	29,012	28,704	-1.1%
Antrim, MI	23,219	23,144	-0.3%
Arenac, MI	15,412	15,122	-1.9%
Baraga, MI	8,682	8,503	-2.1%
Barry, MI	59,134	59,702	1.0%
Bay, MI	106,910	104,747	-2.0%
Benzie, MI	17,400	17,572	1.0%
Berrien, MI	155,501	154,010	-1.0%
Branch, MI	43,539	43,427	-0.3%
Calhoun, MI	134,869	134,386	-0.4%
Cass, MI	51,848	51,599	-0.5%

County Population, last 3 years, Actual and Percent Change			
County	2013	2016	% Change
Charlevoix, MI	26,199	26,174	-0.1%
Cheboygan, MI	25,617	25,401	-0.8%
Chippewa, MI	38,630	37,724	-2.3%
Clare, MI	30,579	30,358	-0.7%
Clinton, MI	77,127	77,888	1.0%
Crawford, MI	13,904	13,744	-1.2%
Delta, MI	36,830	36,202	-1.7%
Dickinson, MI	26,032	25,535	-1.9%
Eaton, MI	108,245	109,160	0.8%
Emmet, MI	33,064	33,182	0.4%
Genesee, MI	415,553	408,615	-1.7%
Gladwin, MI	25,530	25,122	-1.6%
Gogebic, MI	15,854	15,243	-3.9%
Grand Traverse, MI	89,998	92,084	2.3%
Gratiot, MI	42,019	41,202	-1.9%
Hillsdale, MI	46,155	45,774	-0.8%
Houghton, MI	36,675	36,555	-0.3%
Huron, MI	32,269	31,481	-2.4%
Ingham, MI	282,587	288,051	1.9%
Ionia, MI	64,023	64,232	0.3%
Iosco, MI	25,380	25,327	-0.2%
Iron, MI	11,507	11,195	-2.7%
Isabella, MI	70,177	71,282	1.6%
Jackson, MI	159,789	158,460	-0.8%
Kalamazoo, MI	257,162	261,654	1.7%
Kalkaska, MI	17,292	17,263	-0.2%
Kent, MI	623,226	642,173	3.0%
Keweenaw, MI	2,178	2,199	1.0%
Lake, MI	11,382	11,496	1.0%
Lapeer, MI	88,307	88,340	0.0%
Leelanau, MI	21,695	21,765	0.3%
Lenawee, MI	98,784	98,504	-0.3%
Livingston, MI	184,445	188,624	2.3%
Luce, MI	6,525	6,358	-2.6%
Mackinac, MI	11,071	10,820	-2.3%
Macomb, MI	855,885	867,730	1.4%
Manistee, MI	24,444	24,373	-0.3%
Marquette, MI	67,776	66,435	-2.0%
Mason, MI	28,656	28,876	0.8%
Mecosta, MI	43,265	43,221	-0.1%
Menominee, MI	23,739	23,281	-1.9%
Midland, MI	83,578	83,462	-0.1%
Missaukee, MI	15,083	15,102	0.1%
Monroe, MI	150,224	149,208	-0.7%
Montcalm, MI	62,840	62,974	0.2%
Montmorency, MI	9,361	9,173	-2.0%
Muskegon, MI	172,230	173,408	0.7%
Newaygo, MI	47,968	47,938	-0.1%
Oakland, MI	1,231,947	1,243,970	1.0%
Oceana, MI	26,194	26,027	-0.6%
Ogemaw, MI	21,211	20,904	-1.4%
Ontonagon, MI	6,314	5,911	-6.4%
Osceola, MI	23,261	23,110	-0.6%
Oscoda, MI	8,377	8,264	-1.3%

County Population, last 3 years, Actual and Percent Change			
County	2013	2016	% Change
Otsego, MI	24,104	24,470	1.5%
Ottawa, MI	273,531	282,250	3.2%
Presque Isle, MI	13,049	12,762	-2.2%
Roscommon, MI	23,935	23,700	-1.0%
Saginaw, MI	196,785	192,326	-2.3%
St. Clair, MI	160,206	159,587	-0.4%
St. Joseph, MI	60,938	60,583	-0.6%
Sanilac, MI	41,907	41,409	-1.2%
Schoolcraft, MI	8,250	8,001	-3.0%
Shiawassee, MI	68,825	68,554	-0.4%
Tuscola, MI	54,221	53,338	-1.6%
Van Buren, MI	75,330	75,223	-0.1%
Washtenaw, MI	354,573	364,709	2.9%
Wayne, MI	1,774,623	1,749,366	-1.4%
Wexford, MI	32,533	33,163	1.9%
Michigan	9,898,982	9,928,030	0.3%

Exhibit 3: Taxable Value by Class, 2016

County Taxable Value by Class, 2016 (Dollars in Thousands)													
								Ag.	Res.	Comm.	Ind.	Personal	Other
	Agriculture	Residential	Commercial	Industrial	Personal	Other	Total	% of Total	% of Total	% of Total	% of Total	% of Total	% of Total
Alcona	\$30,346	\$632,164	\$24,842	\$10,594	\$38,019	\$0	\$735,965	4.1%	85.9%	3.4%	1.4%	5.2%	0.0%
Alger	\$5,481	\$304,712	\$32,820	\$7,547	\$22,981	\$0	\$373,541	1.5%	81.6%	8.8%	2.0%	6.2%	0.0%
Allegan	\$352,725	\$3,122,526	\$372,973	\$183,950	\$335,653	\$2,980	\$4,370,807	8.1%	71.4%	8.5%	4.2%	7.7%	0.1%
Alpena	\$64,705	\$621,332	\$102,270	\$33,322	\$71,581	\$0	\$893,210	7.2%	69.6%	11.4%	3.7%	8.0%	0.0%
Antrim	\$46,190	\$1,558,166	\$69,266	\$6,472	\$72,247	\$0	\$1,752,341	2.6%	88.9%	4.0%	0.4%	4.1%	0.0%
Arenac	\$59,760	\$402,593	\$39,682	\$7,020	\$46,455	\$0	\$555,510	10.8%	72.5%	7.1%	1.3%	8.4%	0.0%
Baraga	\$5,679	\$169,033	\$15,780	\$16,817	\$24,443	\$12,547	\$244,299	2.3%	69.2%	6.5%	6.9%	10.0%	5.1%
Barry	\$131,792	\$1,618,219	\$116,500	\$48,882	\$96,206	\$0	\$2,011,599	6.6%	80.4%	5.8%	2.4%	4.8%	0.0%
Bay	\$229,866	\$1,757,978	\$341,538	\$213,993	\$238,091	\$181	\$2,781,647	8.3%	63.2%	12.3%	7.7%	8.6%	0.0%
Benzie	\$12,634	\$1,050,724	\$70,321	\$4,302	\$41,304	\$940	\$1,180,225	1.1%	89.0%	6.0%	0.4%	3.5%	0.1%
Berrien	\$272,009	\$4,932,210	\$664,123	\$1,071,402	\$541,964	\$0	\$7,481,708	3.6%	65.9%	8.9%	14.3%	7.2%	0.0%
Branch	\$244,081	\$806,630	\$125,148	\$36,202	\$148,664	\$0	\$1,360,725	17.9%	59.3%	9.2%	2.7%	10.9%	0.0%
Calhoun	\$192,489	\$2,117,579	\$482,547	\$173,475	\$480,387	\$0	\$3,446,477	5.6%	61.4%	14.0%	5.0%	13.9%	0.0%
Cass	\$209,731	\$1,498,830	\$73,704	\$28,215	\$209,078	\$0	\$2,019,558	10.4%	74.2%	3.6%	1.4%	10.4%	0.0%
Charlevoix	\$34,255	\$1,737,274	\$140,118	\$41,715	\$84,265	\$0	\$2,037,627	1.7%	85.3%	6.9%	2.0%	4.1%	0.0%
Cheboygan	\$23,708	\$1,140,201	\$136,183	\$5,428	\$59,462	\$45	\$1,365,027	1.7%	83.5%	10.0%	0.4%	4.4%	0.0%
Chippewa	\$37,430	\$838,919	\$134,778	\$21,679	\$69,349	\$0	\$1,102,155	3.4%	76.1%	12.2%	2.0%	6.3%	0.0%
Clare	\$50,513	\$772,265	\$66,779	\$14,595	\$105,706	\$0	\$1,009,858	5.0%	76.5%	6.6%	1.4%	10.5%	0.0%
Clinton	\$267,669	\$1,812,013	\$316,809	\$45,276	\$140,422	\$9,041	\$2,591,230	10.3%	69.9%	12.2%	1.7%	5.4%	0.3%
Crawford	\$201	\$417,548	\$39,843	\$18,788	\$49,060	\$1,090	\$526,530	0.0%	79.3%	7.6%	3.6%	9.3%	0.2%
Delta	\$25,949	\$812,194	\$143,245	\$23,211	\$114,826	\$53	\$1,119,478	2.3%	72.6%	12.8%	2.1%	10.3%	0.0%
Dickinson	\$12,755	\$559,838	\$133,426	\$66,095	\$108,287	\$2,566	\$882,967	1.4%	63.4%	15.1%	7.5%	12.3%	0.3%
Eaton	\$202,854	\$2,191,246	\$558,018	\$148,825	\$251,407	\$5,005	\$3,357,355	6.0%	65.3%	16.6%	4.4%	7.5%	0.1%
Emmet	\$28,927	\$2,297,295	\$305,265	\$11,297	\$92,883	\$0	\$2,735,667	1.1%	84.0%	11.2%	0.4%	3.4%	0.0%
Genesee	\$128,575	\$6,124,892	\$1,674,915	\$229,771	\$614,091	\$0	\$8,772,244	1.5%	69.8%	19.1%	2.6%	7.0%	0.0%
Gladwin	\$56,901	\$786,822	\$41,391	\$9,884	\$45,355	\$0	\$940,353	6.1%	83.7%	4.4%	1.1%	4.8%	0.0%
Gogebic	\$823	\$378,553	\$48,006	\$8,643	\$64,632	\$11,082	\$511,739	0.2%	74.0%	9.4%	1.7%	12.6%	2.2%
Grand Traverse	\$59,268	\$3,515,909	\$797,094	\$69,501	\$256,514	\$0	\$4,698,286	1.3%	74.8%	17.0%	1.5%	5.5%	0.0%
Gratiot	\$287,620	\$484,578	\$91,002	\$29,837	\$392,427	\$0	\$1,285,464	22.4%	37.7%	7.1%	2.3%	30.5%	0.0%
Hillsdale	\$262,514	\$814,400	\$76,815	\$28,361	\$85,271	\$656	\$1,268,017	20.7%	64.2%	6.1%	2.2%	6.7%	0.1%
Houghton	\$9,534	\$648,953	\$129,839	\$8,985	\$63,258	\$9,973	\$870,542	1.1%	74.5%	14.9%	1.0%	7.3%	1.1%
Huron	\$576,387	\$885,495	\$98,376	\$32,493	\$568,423	\$0	\$2,161,174	26.7%	41.0%	4.6%	1.5%	26.3%	0.0%

County Taxable Value by Class, 2016 (Dollars in Thousands)								Ag.	Res.	Comm.	Ind.	Personal	Other
	Agriculture	Residential	Commercial	Industrial	Personal	Other	Total	% of Total	% of Total	% of Total	% of Total	% of Total	% of Total
Ingham	\$183,248	\$4,670,090	\$1,719,873	\$158,611	\$652,547	\$2,175	\$7,386,544	2.5%	63.2%	23.3%	2.1%	8.8%	0.0%
Ionia	\$273,599	\$987,584	\$132,485	\$32,384	\$118,043	\$0	\$1,544,095	17.7%	64.0%	8.6%	2.1%	7.6%	0.0%
Iosco	\$33,800	\$863,591	\$101,540	\$22,039	\$91,907	\$3,598	\$1,116,475	3.0%	77.3%	9.1%	2.0%	8.2%	0.3%
Iron	\$10,503	\$342,884	\$34,136	\$33,231	\$49,635	\$19,715	\$490,104	2.1%	70.0%	7.0%	6.8%	10.1%	4.0%
Isabella	\$186,102	\$1,007,825	\$385,561	\$22,994	\$117,882	\$0	\$1,720,364	10.8%	58.6%	22.4%	1.3%	6.9%	0.0%
Jackson	\$193,870	\$2,947,731	\$533,022	\$147,960	\$450,795	\$3,332	\$4,276,710	4.5%	68.9%	12.5%	3.5%	10.5%	0.1%
Kalamazoo	\$132,632	\$5,420,542	\$1,430,410	\$372,677	\$670,551	\$0	\$8,026,812	1.7%	67.5%	17.8%	4.6%	8.4%	0.0%
Kalkaska	\$14,778	\$528,406	\$44,624	\$8,316	\$143,236	\$0	\$739,360	2.0%	71.5%	6.0%	1.1%	19.4%	0.0%
Kent	\$209,628	\$14,005,326	\$4,185,403	\$1,070,694	\$1,648,544	\$96	\$21,119,691	1.0%	66.3%	19.8%	5.1%	7.8%	0.0%
Keweenaw	\$0	\$122,586	\$7,707	\$72	\$5,489	\$2,010	\$137,864	0.0%	88.9%	5.6%	0.1%	4.0%	1.5%
Lake	\$20,429	\$444,955	\$50,226	\$1,220	\$38,630	\$0	\$555,460	3.7%	80.1%	9.0%	0.2%	7.0%	0.0%
Lapeer	\$223,266	\$2,052,109	\$210,582	\$50,132	\$167,117	\$1,592	\$2,704,798	8.3%	75.9%	7.8%	1.9%	6.2%	0.1%
Leelanau	\$90,043	\$2,284,355	\$138,522	\$6,773	\$49,943	\$0	\$2,569,636	3.5%	88.9%	5.4%	0.3%	1.9%	0.0%
Lenawee	\$414,155	\$2,109,665	\$352,793	\$90,119	\$225,508	\$1,698	\$3,193,938	13.0%	66.1%	11.0%	2.8%	7.1%	0.1%
Livingston	\$128,195	\$6,532,709	\$798,889	\$193,173	\$538,406	\$2,201	\$8,193,573	1.6%	79.7%	9.8%	2.4%	6.6%	0.0%
Luce	\$2,764	\$154,727	\$15,476	\$2,357	\$11,081	\$362	\$186,767	1.5%	82.8%	8.3%	1.3%	5.9%	0.2%
Mackinac	\$9,535	\$651,260	\$165,023	\$15,647	\$155,273	\$2,325	\$999,063	1.0%	65.2%	16.5%	1.6%	15.5%	0.2%
Macomb	\$125,839	\$18,303,196	\$3,477,301	\$1,571,150	\$1,849,112	\$0	\$25,326,598	0.5%	72.3%	13.7%	6.2%	7.3%	0.0%
Manistee	\$25,170	\$829,692	\$91,305	\$51,203	\$92,409	\$41	\$1,089,820	2.3%	76.1%	8.4%	4.7%	8.5%	0.0%
Marquette	\$8,874	\$1,576,752	\$391,414	\$151,892	\$174,496	\$25,686	\$2,329,114	0.4%	67.7%	16.8%	6.5%	7.5%	1.1%
Mason	\$57,990	\$970,475	\$137,995	\$403,063	\$181,197	\$0	\$1,750,720	3.3%	55.4%	7.9%	23.0%	10.3%	0.0%
Mecosta	\$113,200	\$874,786	\$130,471	\$35,754	\$95,939	\$0	\$1,250,150	9.1%	70.0%	10.4%	2.9%	7.7%	0.0%
Menominee	\$56,898	\$530,588	\$60,939	\$32,645	\$55,205	\$0	\$736,275	7.7%	72.1%	8.3%	4.4%	7.5%	0.0%
Midland	\$93,289	\$2,070,871	\$440,546	\$257,817	\$579,185	\$0	\$3,441,708	2.7%	60.2%	12.8%	7.5%	16.8%	0.0%
Missaukee	\$80,607	\$392,018	\$31,946	\$7,021	\$75,000	\$0	\$586,592	13.7%	66.8%	5.4%	1.2%	12.8%	0.0%
Monroe	\$303,753	\$3,325,555	\$617,616	\$985,845	\$472,480	\$5,466	\$5,710,715	5.3%	58.2%	10.8%	17.3%	8.3%	0.1%
Montcalm	\$203,058	\$1,158,976	\$158,100	\$33,021	\$196,902	\$0	\$1,750,057	11.6%	66.2%	9.0%	1.9%	11.3%	0.0%
Montmorency	\$10,747	\$394,809	\$22,780	\$7,459	\$51,426	\$0	\$487,221	2.2%	81.0%	4.7%	1.5%	10.6%	0.0%
Muskegon	\$80,217	\$3,050,805	\$628,059	\$153,600	\$367,306	\$0	\$4,279,987	1.9%	71.3%	14.7%	3.6%	8.6%	0.0%
Newaygo	\$117,416	\$1,052,530	\$95,264	\$46,410	\$111,113	\$0	\$1,422,733	8.3%	74.0%	6.7%	3.3%	7.8%	0.0%
Oakland	\$42,597	\$38,997,799	\$8,731,176	\$1,606,675	\$3,407,953	\$0	\$52,786,200	0.1%	73.9%	16.5%	3.0%	6.5%	0.0%
Oceana	\$106,622	\$882,907	\$77,668	\$29,283	\$70,301	\$0	\$1,166,781	9.1%	75.7%	6.7%	2.5%	6.0%	0.0%
Ogemaw	\$48,779	\$620,570	\$87,343	\$7,844	\$60,560	\$0	\$825,096	5.9%	75.2%	10.6%	1.0%	7.3%	0.0%
Ontonagon	\$6,953	\$169,900	\$13,676	\$27,878	\$23,254	\$14,341	\$256,002	2.7%	66.4%	5.3%	10.9%	9.1%	5.6%

County Taxable Value by Class, 2016 (Dollars in Thousands)													
								Ag.	Res.	Comm.	Ind.	Personal	Other
	Agriculture	Residential	Commercial	Industrial	Personal	Other	Total	% of Total	% of Total	% of Total	% of Total	% of Total	% of Total
Osceola	\$81,452	\$457,589	\$36,270	\$25,223	\$86,020	\$0	\$686,554	11.9%	66.7%	5.3%	3.7%	12.5%	0.0%
Oscoda	\$7,470	\$302,059	\$21,893	\$6,996	\$44,975	\$0	\$383,393	1.9%	78.8%	5.7%	1.8%	11.7%	0.0%
Otsego	\$29,967	\$776,367	\$146,728	\$16,666	\$182,656	\$0	\$1,152,384	2.6%	67.4%	12.7%	1.4%	15.9%	0.0%
Ottawa	\$312,456	\$7,402,417	\$1,165,494	\$746,055	\$812,110	\$128	\$10,438,660	3.0%	70.9%	11.2%	7.1%	7.8%	0.0%
Presque Isle	\$54,522	\$518,139	\$23,100	\$20,965	\$29,870	\$55	\$646,651	8.4%	80.1%	3.6%	3.2%	4.6%	0.0%
Roscommon	\$3,372	\$1,118,903	\$93,801	\$1,617	\$42,903	\$0	\$1,260,596	0.3%	88.8%	7.4%	0.1%	3.4%	0.0%
Saginaw	\$354,706	\$3,025,637	\$899,343	\$120,392	\$425,358	\$1,068	\$4,826,504	7.3%	62.7%	18.6%	2.5%	8.8%	0.0%
Saint Clair	\$273,412	\$3,505,830	\$502,344	\$711,868	\$668,076	\$0	\$5,661,530	4.8%	61.9%	8.9%	12.6%	11.8%	0.0%
Saint Joseph	\$227,173	\$1,152,168	\$137,876	\$107,237	\$261,208	\$238	\$1,885,900	12.0%	61.1%	7.3%	5.7%	13.9%	0.0%
Sanilac	\$439,352	\$781,709	\$87,742	\$11,306	\$239,187	\$655	\$1,559,951	28.2%	50.1%	5.6%	0.7%	15.3%	0.0%
Schoolcraft	\$3,967	\$265,095	\$26,848	\$9,137	\$48,396	\$2,194	\$355,637	1.1%	74.5%	7.5%	2.6%	13.6%	0.6%
Shiawassee	\$245,054	\$1,169,671	\$163,395	\$26,338	\$94,462	\$0	\$1,698,920	14.4%	68.8%	9.6%	1.6%	5.6%	0.0%
Tuscola	\$389,521	\$819,145	\$81,803	\$25,291	\$417,765	\$0	\$1,733,525	22.5%	47.3%	4.7%	1.5%	24.1%	0.0%
Van Buren	\$197,945	\$1,979,257	\$232,845	\$65,920	\$689,889	\$222	\$3,166,078	6.3%	62.5%	7.4%	2.1%	21.8%	0.0%
Washtenaw	\$282,963	\$10,603,676	\$3,020,546	\$397,607	\$936,674	\$15,962	\$15,257,428	1.9%	69.5%	19.8%	2.6%	6.1%	0.1%
Wayne	\$18,792	\$25,119,428	\$7,053,738	\$2,736,675	\$4,222,101	\$11,342	\$39,162,076	0.0%	64.1%	18.0%	7.0%	10.8%	0.0%
Wexford	\$26,008	\$665,907	\$109,299	\$39,937	\$77,246	\$0	\$918,397	2.8%	72.5%	11.9%	4.3%	8.4%	0.0%
Total	\$10,480,059	\$226,802,662	\$46,766,352	\$15,362,766	\$27,810,032	\$172,661	\$327,394,532	3.2%	69.3%	14.3%	4.7%	8.5%	0.1%

Exhibit 4: Taxable Value, 2008, 2012, 2016 Total and Percent Change

County Taxable Value, 2008, 2012, 2016, Total and Percent Change						
	Taxable Value 2008	Taxable Value 2012	Taxable Value 2016	% Change, 2008-2012	% Change, 2012-2016	% Change, 2008-2016
Alcona	\$754,442,239	\$756,697,995	\$735,967,064	0.3%	-2.7%	-2.4%
Alger	\$320,362,532	\$352,290,048	\$373,541,516	10.0%	6.0%	16.6%
Allegan	\$4,240,577,590	\$4,126,260,111	\$4,370,806,307	-2.7%	5.9%	3.1%
Alpena	\$924,331,492	\$896,302,560	\$893,210,200	-3.0%	-0.3%	-3.4%
Antrim	\$1,753,151,993	\$1,674,140,308	\$1,752,477,104	-4.5%	4.7%	0.0%
Arenac	\$546,000,053	\$551,728,424	\$555,510,974	1.0%	0.7%	1.7%
Baraga	\$214,454,720	\$235,040,952	\$244,302,456	9.6%	3.9%	13.9%
Barry	\$1,874,126,941	\$1,860,293,883	\$2,011,600,688	-0.7%	8.1%	7.3%
Bay	\$3,065,362,915	\$2,901,967,896	\$2,781,671,609	-5.3%	-4.1%	-9.3%
Benzie	\$1,055,133,537	\$1,099,298,583	\$1,180,230,199	4.2%	7.4%	11.9%
Berrien	\$6,530,721,341	\$6,947,739,532	\$7,481,709,630	6.4%	7.7%	14.6%
Branch	\$1,300,692,250	\$1,283,554,307	\$1,358,700,986	-1.3%	5.9%	4.5%
Calhoun	\$3,676,300,060	\$3,604,972,221	\$3,446,478,055	-1.9%	-4.4%	-6.3%
Cass	\$1,739,545,984	\$1,819,494,060	\$2,019,558,143	4.6%	11.0%	16.1%
Charlevoix	\$2,059,101,356	\$2,018,513,364	\$2,037,628,946	-2.0%	0.9%	-1.0%
Cheboygan	\$1,347,928,636	\$1,313,094,223	\$1,368,313,230	-2.6%	4.2%	1.5%
Chippewa	\$976,118,163	\$1,062,567,992	\$1,102,156,530	8.9%	3.7%	12.9%
Clare	\$1,008,407,364	\$1,021,114,907	\$1,009,845,172	1.3%	-1.1%	0.1%
Clinton	\$2,506,280,298	\$2,411,597,879	\$2,591,209,965	-3.8%	7.4%	3.4%
Crawford	\$577,279,683	\$525,684,988	\$526,531,086	-8.9%	0.2%	-8.8%
Delta	\$1,076,671,121	\$1,148,457,641	\$1,119,478,987	6.7%	-2.5%	4.0%
Dickinson	\$891,538,842	\$964,441,753	\$892,977,881	8.2%	-7.4%	0.2%
Eaton	\$3,495,992,057	\$3,255,104,932	\$3,357,399,826	-6.9%	3.1%	-4.0%
Emmet	\$2,803,831,924	\$2,608,674,172	\$2,735,667,991	-7.0%	4.9%	-2.4%
Genesee	\$11,769,038,989	\$8,805,229,871	\$8,772,245,705	-25.2%	-0.4%	-25.5%
Gladwin	\$940,220,533	\$938,645,614	\$940,354,812	-0.2%	0.2%	0.0%
Gogebic	\$452,750,172	\$507,109,592	\$511,740,419	12.0%	0.9%	13.0%
Grand Traverse	\$4,315,725,451	\$4,286,130,690	\$4,698,287,253	-0.7%	9.6%	8.9%
Gratiot	\$881,142,053	\$1,108,100,019	\$1,285,419,508	25.8%	16.0%	45.9%
Hillsdale	\$1,353,026,393	\$1,263,045,598	\$1,268,018,610	-6.7%	0.4%	-6.3%
Houghton	\$677,838,904	\$772,289,381	\$870,542,610	13.9%	12.7%	28.4%
Huron	\$1,608,907,649	\$1,651,024,546	\$2,161,173,571	2.6%	30.9%	34.3%
Ingham	\$7,982,461,403	\$7,026,714,409	\$7,386,392,858	-12.0%	5.1%	-7.5%
Ionia	\$1,542,110,514	\$1,468,635,321	\$1,544,096,123	-4.8%	5.1%	0.1%
Iosco	\$1,126,858,381	\$1,120,844,025	\$1,116,476,490	-0.5%	-0.4%	-0.9%
Iron	\$430,722,488	\$483,408,192	\$490,103,209	12.2%	1.4%	13.8%
Isabella	\$1,596,594,915	\$1,622,754,247	\$1,720,335,250	1.6%	6.0%	7.8%
Jackson	\$4,414,110,610	\$4,176,792,029	\$4,276,713,259	-5.4%	2.4%	-3.1%
Kalamazoo	\$8,250,710,173	\$7,902,294,649	\$8,026,807,891	-4.2%	1.6%	-2.7%
Kalkaska	\$744,824,625	\$718,082,296	\$739,361,055	-3.6%	3.0%	-0.7%
Kent	\$21,455,062,133	\$20,039,365,841	\$21,119,709,124	-6.6%	5.4%	-1.6%
Keweenaw	\$117,812,158	\$129,266,296	\$137,865,643	9.7%	6.7%	17.0%
Lake	\$487,974,042	\$560,867,744	\$555,460,297	14.9%	-1.0%	13.8%
Lapeer	\$3,195,751,102	\$2,603,370,271	\$2,704,608,242	-18.5%	3.9%	-15.4%

County Taxable Value, 2008, 2012, 2016, Total and Percent Change						
	Taxable Value 2008	Taxable Value 2012	Taxable Value 2016	% Change, 2008-2012	% Change, 2012-2016	% Change, 2008-2016
Leelanau	\$2,266,167,937	\$2,376,170,816	\$2,569,617,217	4.9%	8.1%	13.4%
Lenawee	\$3,362,974,553	\$3,167,295,920	\$3,193,938,972	-5.8%	0.8%	-5.0%
Livingston	\$8,825,074,848	\$7,482,442,287	\$8,193,533,462	-15.2%	9.5%	-7.2%
Luce	\$178,974,291	\$184,264,631	\$186,769,666	3.0%	1.4%	4.4%
Mackinac	\$887,731,910	\$904,203,284	\$999,064,607	1.9%	10.5%	12.5%
Macomb	\$31,808,282,732	\$24,386,776,686	\$25,326,632,528	-23.3%	3.9%	-20.4%
Manistee	\$1,060,559,721	\$1,090,060,426	\$1,089,819,884	2.8%	0.0%	2.8%
Marquette	\$1,761,134,466	\$2,162,876,320	\$2,328,914,086	22.8%	7.7%	32.2%
Mason	\$1,485,184,503	\$1,538,604,895	\$1,750,721,656	3.6%	13.8%	17.9%
Mecosta	\$1,266,605,731	\$1,235,024,988	\$1,250,150,449	-2.5%	1.2%	-1.3%
Menominee	\$615,058,632	\$686,668,978	\$736,231,385	11.6%	7.2%	19.7%
Midland	\$3,278,342,865	\$3,473,172,418	\$3,441,709,178	5.9%	-0.9%	5.0%
Missaukee	\$522,340,014	\$551,032,255	\$586,593,612	5.5%	6.5%	12.3%
Monroe	\$6,283,469,663	\$5,601,047,490	\$5,710,718,111	-10.9%	2.0%	-9.1%
Montcalm	\$1,642,139,048	\$1,710,811,505	\$1,750,057,234	4.2%	2.3%	6.6%
Montmorency	\$480,992,015	\$493,999,491	\$487,181,066	2.7%	-1.4%	1.3%
Muskegon	\$4,623,800,414	\$4,340,016,498	\$4,279,987,768	-6.1%	-1.4%	-7.4%
Newaygo	\$1,398,639,689	\$1,372,864,435	\$1,422,732,712	-1.8%	3.6%	1.7%
Oakland	\$64,725,570,206	\$49,235,953,993	\$52,786,202,473	-23.9%	7.2%	-18.4%
Oceana	\$1,041,982,193	\$1,130,576,350	\$1,167,332,405	8.5%	3.3%	12.0%
Ogemaw	\$822,807,190	\$805,970,951	\$825,098,163	-2.0%	2.4%	0.3%
Ontonagon	\$238,755,942	\$247,694,026	\$256,004,323	3.7%	3.4%	7.2%
Osceola	\$676,687,164	\$686,268,525	\$686,555,036	1.4%	0.0%	1.5%
Oscoda	\$378,388,802	\$375,804,540	\$382,811,687	-0.7%	1.9%	1.2%
Otsego	\$1,265,673,226	\$1,155,363,908	\$1,152,385,044	-8.7%	-0.3%	-9.0%
Ottawa	\$9,888,927,782	\$9,316,153,677	\$10,438,660,200	-5.8%	12.0%	5.6%
Presque Isle	\$640,283,646	\$646,964,926	\$646,636,203	1.0%	-0.1%	1.0%
Roscommon	\$1,347,557,569	\$1,250,289,360	\$1,260,597,261	-7.2%	0.8%	-6.5%
Saginaw	\$5,259,397,057	\$4,984,974,977	\$4,826,503,600	-5.2%	-3.2%	-8.2%
Saint Clair	\$6,608,386,248	\$5,482,500,323	\$5,661,530,600	-17.0%	3.3%	-14.3%
Saint Joseph	\$1,815,799,653	\$1,854,817,408	\$1,885,901,015	2.1%	1.7%	3.9%
Sanilac	\$1,432,178,181	\$1,473,259,804	\$1,559,952,746	2.9%	5.9%	8.9%
Schoolcraft	\$333,759,332	\$355,683,264	\$355,638,156	6.6%	0.0%	6.6%
Shiawassee	\$1,845,256,474	\$1,701,680,197	\$1,698,920,542	-7.8%	-0.2%	-7.9%
Tuscola	\$1,439,177,578	\$1,392,442,700	\$1,733,524,072	-3.2%	24.5%	20.5%
Van Buren	\$2,686,188,029	\$2,978,487,128	\$3,166,077,956	10.9%	6.3%	17.9%
Washtenaw	\$15,650,088,801	\$13,976,296,665	\$15,257,429,398	-10.7%	9.2%	-2.5%
Wayne	\$52,622,955,396	\$41,423,614,743	\$39,162,062,055	-21.3%	-5.5%	-25.6%
Wexford	\$1,008,414,570	\$927,637,149	\$918,398,637	-8.0%	-1.0%	-8.9%
Total	\$361,557,703,850	\$315,782,771,299	\$327,405,281,639	-12.7%	3.7%	-9.4%

Exhibit 5: Taxable Value Per Capita and Ranking

County Taxable Value Per Capita					
	Taxable Value Per Capita			Taxable Value Per Capita	Rank
Alcona	\$71,094		Leelanau	\$118,062	1
Alger	\$40,519		Mackinac	\$92,335	2
Allegan	\$37,827		Emmet	\$82,444	3
Alpena	\$31,118		Charlevoix	\$77,849	4
Antrim	\$75,721		Antrim	\$75,721	5
Arenac	\$36,735		Alcona	\$71,094	6
Baraga	\$28,731		Huron	\$68,650	7
Barry	\$33,694		Benzie	\$67,165	8
Bay	\$26,556		Keweenaw	\$62,695	9
Benzie	\$67,165		Mason	\$60,629	10
Berrien	\$48,579		Cheboygan	\$53,868	11
Branch	\$31,287		Roscommon	\$53,190	12
Calhoun	\$25,646		Montmorency	\$53,110	13
Cass	\$39,139		Grand Traverse	\$51,022	14
Charlevoix	\$77,849		Presque Isle	\$50,669	15
Cheboygan	\$53,868		Berrien	\$48,579	16
Chippewa	\$29,216		Lake	\$48,318	17
Clare	\$33,265		Otsego	\$47,094	18
Clinton	\$33,268		Oscoda	\$46,323	19
Crawford	\$38,310		Oceana	\$44,851	20
Delta	\$30,923		Manistee	\$44,714	21
Dickinson	\$34,971		Schoolcraft	\$44,449	22
Eaton	\$30,757		Iosco	\$44,082	23
Emmet	\$82,444		Iron	\$43,779	24
Genesee	\$21,468		Livingston	\$43,438	25
Gladwin	\$37,432		Ontonagon	\$43,310	26
Gogebic	\$33,572		Kalkaska	\$42,829	27
Grand Traverse	\$51,022		Oakland	\$42,434	28
Gratiot	\$31,198		Van Buren	\$42,089	29
Hillsdale	\$27,702		Washtenaw	\$41,835	30
Houghton	\$23,815		Midland	\$41,237	31
Huron	\$68,650		Alger	\$40,519	32
Ingham	\$25,643		Ogemaw	\$39,471	33
Ionia	\$24,039		Cass	\$39,139	34
Iosco	\$44,082		Missaukee	\$38,842	35
Iron	\$43,779		Crawford	\$38,310	36
Isabella	\$24,134		Monroe	\$38,274	37
Jackson	\$26,989		Allegan	\$37,827	38
Kalamazoo	\$30,677		Sanilac	\$37,672	39
Kalkaska	\$42,829		Gladwin	\$37,432	40
Kent	\$32,888		Ottawa	\$36,984	41
Keweenaw	\$62,695		Arenac	\$36,735	42
Lake	\$48,318		Saint Clair	\$35,476	43

County Taxable Value Per Capita					
	Taxable Value Per Capita			Taxable Value Per Capita	Rank
Lapeer	\$30,616		Marquette	\$35,056	44
Leelanau	\$118,062		Dickinson	\$34,971	45
Lenawee	\$32,424		Barry	\$33,694	46
Livingston	\$43,438		Gogebic	\$33,572	47
Luce	\$29,376		Clinton	\$33,268	48
Mackinac	\$92,335		Clare	\$33,265	49
Macomb	\$29,187		Kent	\$32,888	50
Manistee	\$44,714		Tuscola	\$32,501	51
Marquette	\$35,056		Lenawee	\$32,424	52
Mason	\$60,629		Menominee	\$31,624	53
Mecosta	\$28,925		Branch	\$31,287	54
Menominee	\$31,624		Gratiot	\$31,198	55
Midland	\$41,237		Alpena	\$31,118	56
Missaukee	\$38,842		Saint Joseph	\$30,991	57
Monroe	\$38,274		Delta	\$30,923	58
Montcalm	\$27,790		Eaton	\$30,757	59
Montmorency	\$53,110		Kalamazoo	\$30,677	60
Muskegon	\$24,682		Lapeer	\$30,616	61
Newaygo	\$29,679		Osceola	\$29,708	62
Oakland	\$42,434		Newaygo	\$29,679	63
Oceana	\$44,851		Luce	\$29,376	64
Ogemaw	\$39,471		Chippewa	\$29,216	65
Ontonagon	\$43,310		Macomb	\$29,187	66
Osceola	\$29,708		Mecosta	\$28,925	67
Oscoda	\$46,323		Baraga	\$28,731	68
Otsego	\$47,094		Montcalm	\$27,790	69
Ottawa	\$36,984		Hillsdale	\$27,702	70
Presque Isle	\$50,669		Wexford	\$27,693	71
Roscommon	\$53,190		Jackson	\$26,989	72
Saginaw	\$25,095		Bay	\$26,556	73
Saint Clair	\$35,476		Calhoun	\$25,646	74
Saint Joseph	\$30,991		Ingham	\$25,643	75
Sanilac	\$37,672		Saginaw	\$25,095	76
Schoolcraft	\$44,449		Shiawassee	\$24,782	77
Shiawassee	\$24,782		Muskegon	\$24,682	78
Tuscola	\$32,501		Isabella	\$24,134	79
Van Buren	\$42,089		Ionia	\$24,039	80
Washtenaw	\$41,835		Houghton	\$23,815	81
Wayne	\$22,386		Wayne	\$22,386	82
Wexford	\$27,693		Genesee	\$21,468	83

Exhibit 6: General Fund Expenditures, 2008 & 2015

General Fund Expenditures by County, 2008 and 2015			
	2008 GF Expenditures	2015 GF Expenditures	% Change
Alcona	\$4,707,865	\$4,980,460	5.8%
Alger	\$3,230,113	\$3,651,027	13.0%
Allegan	\$32,562,803	\$29,147,610	-10.5%
Alpena	\$8,441,096	\$8,658,526	2.6%
Antrim	\$10,660,597	\$12,745,008	19.6%
Arenac	\$4,846,717	\$5,218,816	7.7%
Baraga	\$3,317,736	\$3,508,231	5.7%
Barry	\$14,239,872	\$15,721,345	10.4%
Bay	\$31,407,165	\$31,640,641	0.7%
Benzie	\$5,464,777	\$6,382,133	16.8%
Berrien	\$46,921,217	\$53,448,572	13.9%
Branch	\$12,193,046	\$12,062,607	-1.1%
Calhoun	\$38,709,143	\$39,603,324	2.3%
Cass	\$12,863,827	\$14,908,937	15.9%
Charlevoix	\$11,353,407	\$13,385,815	17.9%
Cheboygan	\$9,918,844	\$10,836,778	9.3%
Chippewa	\$9,824,168	\$12,578,526	28.0%
Clare	\$12,074,330	\$11,675,223	-3.3%
Clinton	\$22,565,510	\$27,078,053	20.0%
Crawford	\$5,340,382	\$5,411,480	1.3%
Delta	\$10,579,667	\$9,210,215	-12.9%
Dickinson	\$7,028,469	\$8,185,481	16.5%
Eaton	\$30,803,455	\$32,329,100	5.0%
Emmet	\$21,642,890	\$20,336,023	-6.0%
Genesee	\$103,036,058	\$79,228,202	-23.1%
Gladwin	\$9,050,460	\$9,187,373	1.5%
Gogebic	\$6,017,009	\$6,617,646	10.0%
Grand Traverse	\$35,447,310	\$37,009,807	4.4%
Gratiot	\$11,016,980	\$11,551,475	4.9%
Hillsdale	\$11,655,211	\$11,253,116	-3.4%
Houghton	\$7,594,005	\$8,850,676	16.5%
Huron	\$11,816,029	\$15,977,843	35.2%
Ingham	\$78,828,067	\$79,042,987	0.3%
Ionia	\$11,651,114	\$14,151,522	21.5%
Iosco	\$6,352,692	\$7,445,619	17.2%
Iron	\$4,602,538	\$6,157,980	33.8%
Isabella	\$19,795,712	\$18,597,561	-6.1%
Jackson	\$44,425,912	\$46,591,700	4.9%
Kalamazoo	\$58,818,234	\$59,634,554	1.4%
Kalkaska	\$7,302,424	\$6,923,098	-5.2%
Kent	\$188,032,429	\$160,871,065	-14.4%
Keweenaw	\$4,074,207	\$1,615,912	-60.3%
Lake	\$5,117,192	\$5,284,417	3.3%
Lapeer	\$19,420,323	\$17,674,272	-9.0%
Leelanau	\$10,848,024	\$13,834,379	27.5%

General Fund Expenditures by County, 2008 and 2015			
	2008 GF Expenditures	2015 GF Expenditures	% Change
Lenawee	\$26,883,083	\$26,986,111	0.4%
Livingston	\$46,126,146	\$39,861,374	-13.6%
Luce	\$2,051,280	\$2,246,766	9.5%
Mackinac	\$5,349,864	\$6,691,597	25.1%
Macomb	\$227,904,558	\$243,099,728	6.7%
Manistee	\$9,966,426	\$10,461,112	5.0%
Marquette	\$18,726,537	\$26,942,469	43.9%
Mason	\$9,227,882	\$12,570,015	36.2%
Mecosta	\$12,904,591	\$12,674,667	-1.8%
Menominee	\$6,797,544	\$6,421,451	-5.5%
Midland	\$29,537,909	\$28,763,953	-2.6%
Missaukee	\$4,206,804	\$4,873,644	15.9%
Monroe	\$50,671,070	\$43,092,905	-15.0%
Montcalm	\$15,991,072	\$14,980,473	-6.3%
Montmorency	\$4,907,459	\$4,251,281	-13.4%
Muskegon	\$44,507,608	\$48,166,268	8.2%
Newaygo	\$12,490,431	\$13,427,201	7.5%
Oakland	\$399,181,640	\$390,056,415	-2.3%
Oceana	\$8,377,996	\$10,390,170	24.0%
Ogemaw	\$8,444,520	\$10,101,992	19.6%
Ontonagon	\$3,146,875	\$3,303,289	5.0%
Osceola	\$7,237,183	\$8,668,287	19.8%
Oscoda	\$4,190,867	\$4,234,823	1.0%
Otsego	\$7,999,662	\$7,721,205	-3.5%
Ottawa	\$58,821,092	\$66,274,090	12.7%
Presque Isle	\$4,523,205	\$5,221,281	15.4%
Roscommon	\$9,998,514	\$9,052,839	-9.5%
Saginaw	\$44,888,561	\$43,913,379	-2.2%
Saint Clair	\$59,367,288	\$55,727,808	-6.1%
Saint Joseph	\$13,963,736	\$20,763,193	48.7%
Sanilac	\$10,633,309	\$13,272,044	24.8%
Schoolcraft	\$3,652,929	\$3,936,773	7.8%
Shiawassee	\$16,988,268	\$14,639,641	-13.8%
Tuscola	\$11,846,280	\$12,951,460	9.3%
Van Buren	\$19,304,182	\$20,815,378	7.8%
Washtenaw	\$107,324,358	\$108,424,400	1.0%
Wayne	\$679,172,101	\$620,528,125	-8.6%
Wexford	\$11,722,019	\$12,915,919	10.2%
Total	\$3,044,633,875	\$2,998,628,661	-1.5%
Note: The large decline in Keweenaw County was due to a large capital outlay project in 2008. Expenditures increased 19.6% on an adjusted basis.			

Exhibit 7: General Fund Expenditures a Percentage of Taxable Value, 2015

GF Expenditures as Percentage of Taxable Value, FY 2015			
	Expenditures	TV (,000)	Expenditures as % of TV
Wayne	\$620,528,125	\$39,162,076	1.6%
Baraga	\$3,508,231	\$244,299	1.4%
Wexford	\$12,915,919	\$918,397	1.4%
Gogebic	\$6,617,646	\$511,739	1.3%
Ontonagon	\$3,303,289	\$256,002	1.3%
Osceola	\$8,668,287	\$686,554	1.3%
Iron	\$6,157,980	\$490,104	1.3%
Ogemaw	\$10,101,992	\$825,096	1.2%
Luce	\$2,246,766	\$186,767	1.2%
Keweenaw	\$1,615,912	\$137,864	1.2%
Marquette	\$26,942,469	\$2,329,114	1.2%
Clare	\$11,675,223	\$1,009,858	1.2%
Calhoun	\$39,603,324	\$3,446,477	1.1%
Chippewa	\$12,578,526	\$1,102,155	1.1%
Bay	\$31,640,641	\$2,781,647	1.1%
Muskegon	\$48,166,268	\$4,279,987	1.1%
Schoolcraft	\$3,936,773	\$355,637	1.1%
Oscoda	\$4,234,823	\$383,393	1.1%
Saint Joseph	\$20,763,193	\$1,885,900	1.1%
Jackson	\$46,591,700	\$4,276,710	1.1%
Isabella	\$18,597,561	\$1,720,364	1.1%
Ingham	\$79,042,987	\$7,386,544	1.1%
Clinton	\$27,078,053	\$2,591,230	1.0%
Crawford	\$5,411,480	\$526,530	1.0%
Houghton	\$8,850,676	\$870,542	1.0%
Mecosta	\$12,674,667	\$1,250,150	1.0%
Saint Clair	\$55,727,808	\$5,661,530	1.0%
Alger	\$3,651,027	\$373,541	1.0%
Gladwin	\$9,187,373	\$940,353	1.0%
Alpena	\$8,658,526	\$893,210	1.0%
Eaton	\$32,329,100	\$3,357,355	1.0%
Manistee	\$10,461,112	\$1,089,820	1.0%
Macomb	\$243,099,728	\$25,326,598	1.0%
Lake	\$5,284,417	\$555,460	1.0%
Newaygo	\$13,427,201	\$1,422,733	0.9%
Arenac	\$5,218,816	\$555,510	0.9%
Kalkaska	\$6,923,098	\$739,360	0.9%
Dickinson	\$8,185,481	\$882,967	0.9%
Ionia	\$14,151,522	\$1,544,095	0.9%
Saginaw	\$43,913,379	\$4,826,504	0.9%
Genesee	\$79,228,202	\$8,772,244	0.9%
Gratiot	\$11,551,475	\$1,285,464	0.9%
Oceana	\$10,390,170	\$1,166,781	0.9%
Hillsdale	\$11,253,116	\$1,268,017	0.9%

GF Expenditures as Percentage of Taxable Value, FY 2015			
	Expenditures	TV (,000)	Expenditures as % of TV
Branch	\$12,062,607	\$1,360,725	0.9%
Montmorency	\$4,251,281	\$487,221	0.9%
Menominee	\$6,421,451	\$736,275	0.9%
Shiawassee	\$14,639,641	\$1,698,920	0.9%
Montcalm	\$14,980,473	\$1,750,057	0.9%
Sanilac	\$13,272,044	\$1,559,951	0.9%
Lenawee	\$26,986,111	\$3,193,938	0.8%
Midland	\$28,763,953	\$3,441,708	0.8%
Missaukee	\$4,873,644	\$586,592	0.8%
Delta	\$9,210,215	\$1,119,478	0.8%
Presque Isle	\$5,221,281	\$646,651	0.8%
Cheboygan	\$10,836,778	\$1,365,027	0.8%
Grand Traverse	\$37,009,807	\$4,698,286	0.8%
Barry	\$15,721,345	\$2,011,599	0.8%
Kent	\$160,871,065	\$21,119,691	0.8%
Monroe	\$43,092,905	\$5,710,715	0.8%
Tuscola	\$12,951,460	\$1,733,525	0.7%
Emmet	\$20,336,023	\$2,735,667	0.7%
Kalamazoo	\$59,634,554	\$8,026,812	0.7%
Huron	\$15,977,843	\$2,161,174	0.7%
Oakland	\$390,056,415	\$52,786,200	0.7%
Cass	\$14,908,937	\$2,019,558	0.7%
Antrim	\$12,745,008	\$1,752,341	0.7%
Roscommon	\$9,052,839	\$1,260,596	0.7%
Mason	\$12,570,015	\$1,750,720	0.7%
Berrien	\$53,448,572	\$7,481,708	0.7%
Washtenaw	\$108,424,400	\$15,257,428	0.7%
Alcona	\$4,980,460	\$735,965	0.7%
Otsego	\$7,721,205	\$1,152,384	0.7%
Mackinac	\$6,691,597	\$999,063	0.7%
Iosco	\$7,445,619	\$1,116,475	0.7%
Allegan	\$29,147,610	\$4,370,807	0.7%
Van Buren	\$20,815,378	\$3,166,078	0.7%
Charlevoix	\$13,385,815	\$2,037,627	0.7%
Lapeer	\$17,674,272	\$2,704,798	0.7%
Ottawa	\$66,274,090	\$10,438,660	0.6%
Benzie	\$6,382,133	\$1,180,225	0.5%
Leelanau	\$13,834,379	\$2,569,636	0.5%
Livingston	\$39,861,374	\$8,193,573	0.5%

Exhibit 8: General Fund Balance as Percent of Expenditures

General Fund Balance (unassigned and unrestricted), Total and as % of General Fund Expenditures, by County					
	General Fund Balance Assigned 2015	General Fund Balance Unassigned 2015	Fund Balance % of Expenditures Unassigned	FB % of Expenditures Assigned + Unassigned	Total Expenditures GF 2015
Montcalm	\$0	-\$282,549	-1.9%	-1.9%	\$14,980,473
Oakland	\$242,777,177	\$1,745,931	0.4%	62.7%	\$390,056,415
Ogemaw	\$233,238	\$51,254	0.5%	2.8%	\$10,101,992
Mason	\$0	\$274,115	2.2%	2.2%	\$12,570,015
Missaukee	\$1,109,083	\$157,214	3.2%	26.0%	\$4,873,644
Gogebic	\$4,900	\$264,697	4.0%	4.1%	\$6,617,646
Baraga	\$0	\$151,985	4.3%	4.3%	\$3,508,231
Arenac	\$0	\$240,013	4.6%	4.6%	\$5,218,816
Wayne	\$9,403,897	\$35,691,873	5.8%	7.3%	\$620,528,125
Tuscola	\$1,700,900	\$798,936	6.2%	19.3%	\$12,951,460
Saint Clair	\$0	\$4,040,232	7.2%	7.2%	\$55,727,808
Alger	\$0	\$267,651	7.3%	7.3%	\$3,651,027
Branch	\$1,044,127	\$901,718	7.5%	16.1%	\$12,062,607
Schoolcraft	\$125,458	\$312,307	7.9%	11.1%	\$3,936,773
Gladwin	\$15,265	\$755,266	8.2%	8.4%	\$9,187,373
Hillsdale	\$0	\$1,098,107	9.8%	9.8%	\$11,253,116
Calhoun	\$0	\$4,179,699	10.6%	10.6%	\$39,603,324
Shiawassee	\$0	\$1,580,852	10.8%	10.8%	\$14,639,641
Delta	\$0	\$995,652	10.8%	10.8%	\$9,210,215
Roscommon	\$0	\$1,001,084	11.1%	11.1%	\$9,052,839
Saginaw	\$11,439,332	\$5,417,397	12.3%	38.4%	\$43,913,379
Luce	\$0	\$277,285	12.3%	12.3%	\$2,246,766
Allegan	\$104,635	\$3,610,464	12.4%	12.7%	\$29,147,610
Crawford	\$0	\$729,487	13.5%	13.5%	\$5,411,480
Barry	\$0	\$2,181,422	13.9%	13.9%	\$15,721,345
Mackinac	\$132,499	\$981,631	14.7%	16.6%	\$6,691,597
Lenawee	\$999,000	\$3,977,695	14.7%	18.4%	\$26,986,111
Ottawa	\$2,852,701	\$9,971,344	15.0%	19.4%	\$66,274,090
Ionia	\$1,029,769	\$2,152,808	15.2%	22.5%	\$14,151,522
Newaygo	\$235,618	\$2,133,336	15.9%	17.6%	\$13,427,201
Presque Isle	\$30,659	\$837,829	16.0%	16.6%	\$5,221,281
Clare	\$0	\$1,915,057	16.4%	16.4%	\$11,675,223
Sanilac	\$0	\$2,181,068	16.4%	16.4%	\$13,272,044
Muskegon	\$0	\$7,926,351	16.5%	16.5%	\$48,166,268
Huron	\$98,363	\$2,629,907	16.5%	17.1%	\$15,977,843
Grand Traverse	\$500,000	\$6,665,052	18.0%	19.4%	\$37,009,807
Marquette	\$963,180	\$4,880,481	18.1%	21.7%	\$26,942,469
Bay	\$547,461	\$6,063,654	19.2%	20.9%	\$31,640,641
Macomb	\$11,609,427	\$48,001,512	19.7%	24.5%	\$243,099,728
Eaton	\$0	\$6,450,378	20.0%	20.0%	\$32,329,100
Genesee	\$1,000,000	\$15,964,753	20.2%	21.4%	\$79,228,202

General Fund Balance (unassigned and unrestricted), Total and as % of General Fund Expenditures, by County					
	General Fund Balance Assigned 2015	General Fund Balance Unassigned 2015	Fund Balance % of Expenditures Unassigned	FB % of Expenditures Assigned + Unassigned	Total Expenditures GF 2015
Manistee	\$0	\$2,123,601	20.3%	20.3%	\$10,461,112
Ingham	\$4,979,920	\$16,185,987	20.5%	26.8%	\$79,042,987
Monroe	\$5,450	\$9,120,778	21.2%	21.2%	\$43,092,905
Dickinson	\$0	\$1,789,613	21.9%	21.9%	\$8,185,481
Jackson	\$705,443	\$10,278,607	22.1%	23.6%	\$46,591,700
Washtenaw	\$0	\$24,151,873	22.3%	22.3%	\$108,424,400
Lake	\$0	\$1,240,044	23.5%	23.5%	\$5,284,417
Benzie	\$0	\$1,539,349	24.1%	24.1%	\$6,382,133
Iosco	\$0	\$1,842,431	24.7%	24.7%	\$7,445,619
Saint Joseph	\$0	\$5,291,683	25.5%	25.5%	\$20,763,193
Osceola	\$333,314	\$2,249,419	25.9%	29.8%	\$8,668,287
Livingston	\$15,000,000	\$10,468,306	26.3%	63.9%	\$39,861,374
Kent	\$47,850	\$43,277,242	26.9%	26.9%	\$160,871,065
Kalkaska	\$0	\$1,889,352	27.3%	27.3%	\$6,923,098
Chippewa	\$204,780	\$3,706,092	29.5%	31.1%	\$12,578,526
Berrien	\$0	\$16,606,227	31.1%	31.1%	\$53,448,572
Midland	\$1,610,930	\$9,094,677	31.6%	37.2%	\$28,763,953
Lapeer	\$0	\$5,636,828	31.9%	31.9%	\$17,674,272
Charlevoix	\$0	\$4,400,285	32.9%	32.9%	\$13,385,815
Ontonagon	\$0	\$1,092,723	33.1%	33.1%	\$3,303,289
Iron	\$156,638	\$2,078,137	33.7%	36.3%	\$6,157,980
Cass	\$3,942,082	\$5,126,404	34.4%	60.8%	\$14,908,937
Clinton	\$0	\$9,503,854	35.1%	35.1%	\$27,078,053
Alcona	\$9,429	\$1,786,934	35.9%	36.1%	\$4,980,460
Gratiot	\$312,672	\$4,325,197	37.4%	40.1%	\$11,551,475
Wexford	\$0	\$4,859,277	37.6%	37.6%	\$12,915,919
Van Buren	\$664,200	\$7,857,632	37.7%	40.9%	\$20,815,378
Alpena	\$0	\$3,400,830	39.3%	39.3%	\$8,658,526
Houghton	\$0	\$3,544,859	40.1%	40.1%	\$8,850,676
Kalamazoo	\$7,894,020	\$23,924,926	40.1%	53.4%	\$59,634,554
Oceana	\$0	\$4,186,504	40.3%	40.3%	\$10,390,170
Isabella	\$3,073,275	\$7,970,365	42.9%	59.4%	\$18,597,561
Emmet	\$17,007	\$9,011,223	44.3%	44.4%	\$20,336,023
Otsego	\$144,723	\$4,166,440	54.0%	55.8%	\$7,721,205
Montmorency	\$0	\$2,320,250	54.6%	54.6%	\$4,251,281
Keweenaw	\$0	\$944,826	58.5%	58.5%	\$1,615,912
Oscoda	\$0	\$2,728,389	64.4%	64.4%	\$4,234,823
Leelanau	\$0	\$8,965,280	64.8%	64.8%	\$13,834,379
Cheboygan	\$374,771	\$7,577,694	69.9%	73.4%	\$10,836,778
Antrim	\$1,180,642	\$9,666,655	75.8%	85.1%	\$12,745,008
Mecosta	\$8,480	\$10,159,548	80.2%	80.2%	\$12,674,667
Menominee	\$49,149	\$5,193,657	80.9%	81.6%	\$6,421,451

NOTE: For most counties the unassigned fund balance is the appropriate measure of a county's surplus funds available to support the general fund budget. However, some counties have significant assigned fund balances. In nine counties the addition of the assigned balances increase the fund balance as % of expenditures from inadequate to adequate (at least

General Fund Balance (unassigned and unrestricted), Total and as % of General Fund Expenditures, by County					
	General Fund Balance Assigned 2015	General Fund Balance Unassigned 2015	Fund Balance % of Expenditures Unassigned	FB % of Expenditures Assigned + Unassigned	Total Expenditures GF 2015
<p>16.7%). In some cases assigned funds may be available for use in balancing the budget. For example, Oakland has a huge assigned balance of \$243 million that is set aside for future contingencies such cost increases, unfunded mandates, technology, pandemic response, Headlee millage rollbacks, and capital management and several other issues. In contrast, Saginaw has an assigned fund balance of \$11.4 million for an employee payroll reserve that may not be available for other purposes.</p>					

Exhibit 9: County Unemployment Rate, 2009 and 2016

County Unemployment Rates, 2009 and 2016			
	2009 Percent	2016 Percent	Percentage Decrease
Alcona	18.8	7.4	11.4
Alger	13.7	8.0	5.7
Allegan	12.9	3.7	9.2
Alpena	13.8	5.7	8.1
Antrim	15.2	6.8	8.4
Arenac	16.6	8.1	8.5
Baraga	24.2	7.9	16.3
Barry	10.4	3.8	6.6
Bay	11.9	5.2	6.7
Benzie	13.8	6.4	7.4
Berrien	12.7	4.8	7.9
Branch	14.1	4.6	9.5
Calhoun	11.8	4.6	7.2
Cass	11.4	4.6	6.8
Charlevoix	14.8	5.3	9.5
Cheboygan	13.8	9.0	4.8
Chippewa	12.7	7.4	5.3
Clare	16.6	7.2	9.4
Clinton	9.4	3.6	5.8
Crawford	13.5	7.4	6.1
Delta	12.3	6.3	6.0

County Unemployment Rates, 2009 and 2016			
	2009 Percent	2016 Percent	Percentage Decrease
Dickinson	11.6	5.2	6.4
Eaton	10.4	4.0	6.4
Emmet	14.3	6.2	8.1
Genesee	14.9	5.4	9.5
Gladwin	16.5	6.8	9.7
Gogebic	12.9	6.5	6.4
Grand Traverse	11.8	4.1	7.7
Gratiot	14.0	5.0	9.0
Hillsdale	17.4	4.9	12.5
Houghton	10.8	5.9	4.9
Huron	14.6	5.0	9.6
Ingham	11.4	4.1	7.3
Ionia	14.1	4.1	10.0
Iosco	17.7	7.1	10.6
Iron	12.1	6.5	5.6
Isabella	8.9	4.5	4.4
Jackson	13.6	4.7	8.9
Kalamazoo	10.2	3.9	6.3
Kalkaska	14.4	6.9	7.5
Kent	11.0	3.4	7.6
Keweenaw	14.2	8.4	5.8
Lake	16.7	7.3	9.4
Lapeer	17.4	6.5	10.9
Leelanau	9.3	4.7	4.6
Lenawee	15.5	4.5	11.0
Livingston	11.9	4.2	7.7
Luce	13.3	6.5	6.8
Mackinac	14.0	9.4	4.6
Macomb	15.8	5.3	10.5
Manistee	13.0	6.3	6.7
Marquette	10.4	5.6	4.8
Mason	13.3	5.6	7.7
Mecosta	12.9	5.4	7.5
Menominee	11.9	5.6	6.3
Midland	9.7	4.5	5.2
Missaukee	15.6	5.7	9.9
Monroe	14.6	4.3	10.3
Montcalm	16.6	5.0	11.6
Montmorency	20.7	9.7	11.0
Muskegon	14.9	5.2	9.7

County Unemployment Rates, 2009 and 2016			
	2009 Percent	2016 Percent	Percentage Decrease
Newaygo	13.9	4.7	9.2
Oakland	13.0	4.2	8.8
Oceana	16.1	7.1	9.0
Ogemaw	13.5	7.5	6.0
Ontonagon	15.8	8.3	7.5
Osceola	15.3	5.5	9.8
Oscoda	21.3	7.2	14.1
Otsego	14.7	5.7	9.0
Ottawa	12.5	3.2	9.3
Presque Isle	18.7	9.2	9.5
Roscommon	15.1	8.1	7.0
Saginaw	12.5	5.1	7.4
Saint Clair	17.7	6.2	11.5
Saint Joseph	14.7	4.0	10.7
Sanilac	17.5	6.0	11.5
Schoolcraft	14.6	9.1	5.5
Shiawassee	14.9	5.1	9.8
Tuscola	15.9	6.1	9.8
Van Buren	12.8	5.5	7.3
Washtenaw	8.6	3.4	5.2
Wayne	16.2	6.4	9.8
Wexford	17.6	5.6	12.0
Michigan	14.9	5.7	9.2

Exhibit 10: County Unemployment Rate 2016, Ranked

County Unemployment Rates, 2016, Ranked	
Ottawa	3.2
Kent	3.4
Washtenaw	3.4
Clinton	3.6
Allegan	3.7
Barry	3.8
Kalamazoo	3.9
Eaton	4.0
Saint Joseph	4.0
Grand Traverse	4.1
Ingham	4.1

County Unemployment Rates, 2016, Ranked	
Ionia	4.1
Livingston	4.2
Oakland	4.2
Monroe	4.3
Isabella	4.5
Lenawee	4.5
Midland	4.5
Branch	4.6
Calhoun	4.6
Cass	4.6
Jackson	4.7
Leelanau	4.7
Newaygo	4.7
Berrien	4.8
Hillsdale	4.9
Gratiot	5.0
Huron	5.0
Montcalm	5.0
Saginaw	5.1
Shiawassee	5.1
Bay	5.2
Dickinson	5.2
Muskegon	5.2
Charlevoix	5.3
Macomb	5.3
Genesee	5.4
Mecosta	5.4
Osceola	5.5
Van Buren	5.5
Marquette	5.6
Mason	5.6
Menominee	5.6
Wexford	5.6
Alpena	5.7
Missaukee	5.7
Otsego	5.7
Houghton	5.9
Sanilac	6.0
Tuscola	6.1
Emmet	6.2
Saint Clair	6.2

County Unemployment Rates, 2016, Ranked	
Delta	6.3
Manistee	6.3
Benzie	6.4
Wayne	6.4
Gogebic	6.5
Iron	6.5
Lapeer	6.5
Luce	6.5
Antrim	6.8
Gladwin	6.8
Kalkaska	6.9
Iosco	7.1
Oceana	7.1
Clare	7.2
Oscoda	7.2
Lake	7.3
Alcona	7.4
Chippewa	7.4
Crawford	7.4
Ogemaw	7.5
Baraga	7.9
Alger	8.0
Arenac	8.1
Roscommon	8.1
Ontonagon	8.3
Keweenaw	8.4
Cheboygan	9.0
Schoolcraft	9.1
Presque Isle	9.2
Mackinac	9.4
Montmorency	9.7

Exhibit 11: County Employment, 2001, 2010, 2015; Percent Change

County Employment, 2001, 2010, 2015						
	2001	2010	2015	% Change, 2001-2010	% Change, 2010-2015	% Change, 2001-2015
Alcona	1,765	1,484	1,686	-15.9%	13.6%	-4.5%
Alger	3,137	2,602	2,424	-17.1%	-6.8%	-22.7%
Allegan	37,709	31,544	37,676	-16.3%	19.4%	-0.1%
Alpena	12,738	10,896	11,322	-14.5%	3.9%	-11.1%
Antrim	6,093	4,857	5,076	-20.3%	4.5%	-16.7%
Arenac	5,413	4,390	4,431	-18.9%	0.9%	-18.1%
Baraga	3,508	3,175	2,941	-9.5%	-7.4%	-16.2%
Barry	12,221	10,895	11,916	-10.9%	9.4%	-2.5%
Bay	39,787	35,053	34,817	-11.9%	-0.7%	-12.5%
Benzie	4,331	3,929	4,026	-9.3%	2.5%	-7.0%
Berrien	66,280	58,109	61,064	-12.3%	5.1%	-7.9%
Branch	15,592	12,368	12,803	-20.7%	3.5%	-17.9%
Calhoun	61,988	53,375	56,502	-13.9%	5.9%	-8.9%
Cass	9,797	8,284	8,881	-15.4%	7.2%	-9.3%
Charlevoix	10,632	9,223	10,265	-13.3%	11.3%	-3.5%
Cheboygan	7,842	6,514	6,359	-16.9%	-2.4%	-18.9%
Chippewa	14,236	12,731	12,724	-10.6%	-0.1%	-10.6%
Clare	7,435	6,662	6,495	-10.4%	-2.5%	-12.6%
Clinton	13,299	14,073	16,040	5.8%	14.0%	20.6%
Crawford	4,151	3,723	3,714	-10.3%	-0.2%	-10.5%
Delta	14,659	13,401	13,528	-8.6%	0.9%	-7.7%
Dickinson	14,204	13,313	13,808	-6.3%	3.7%	-2.8%
Eaton	30,221	29,806	40,700	-1.4%	36.5%	34.7%
Emmet	16,478	16,085	17,694	-2.4%	10.0%	7.4%
Genesee	160,442	126,257	132,470	-21.3%	4.9%	-17.4%
Gladwin	4,778	3,933	4,050	-17.7%	3.0%	-15.2%
Gogebic	6,171	5,622	5,415	-8.9%	-3.7%	-12.3%
Grand Traverse	45,457	43,464	48,330	-4.4%	11.2%	6.3%
Gratiot	13,237	12,847	13,012	-2.9%	1.3%	-1.7%
Hillsdale	15,680	11,564	12,885	-26.3%	11.4%	-17.8%
Houghton	12,426	12,366	11,314	-0.5%	-8.5%	-8.9%
Huron	13,244	11,021	11,012	-16.8%	-0.1%	-16.9%
Ingham	174,290	152,319	146,479	-12.6%	-3.8%	-16.0%
Ionia	16,199	17,514	19,510	8.1%	11.4%	20.4%
Iosco	8,254	6,843	7,447	-17.1%	8.8%	-9.8%
Iron	3,816	3,558	3,755	-6.8%	5.5%	-1.6%

County Employment, 2001, 2010, 2015						
	2001	2010	2015	% Change, 2001-2010	% Change, 2010-2015	% Change, 2001-2015
Isabella	27,167	27,439	29,232	1.0%	6.5%	7.6%
Jackson	60,148	51,071	56,469	-15.1%	10.6%	-6.1%
Kalamazoo	116,728	106,983	114,587	-8.3%	7.1%	-1.8%
Kalkaska	4,137	3,663	3,827	-11.5%	4.5%	-7.5%
Kent	339,510	307,289	369,361	-9.5%	20.2%	8.8%
Keweenaw	564	435	412	-22.9%	-5.3%	-27.0%
Lake	1,775	1,508	1,516	-15.0%	0.5%	-14.6%
Lapeer	22,029	19,066	21,022	-13.5%	10.3%	-4.6%
Leelanau	6,133	5,782	6,263	-5.7%	8.3%	2.1%
Lenawee	33,456	26,330	27,021	-21.3%	2.6%	-19.2%
Livingston	48,411	42,670	56,100	-11.9%	31.5%	15.9%
Luce	2,332	1,787	1,891	-23.4%	5.8%	-18.9%
Mackinac	5,140	4,435	4,302	-13.7%	-3.0%	-16.3%
Macomb	326,600	274,875	314,755	-15.8%	14.5%	-3.6%
Manistee	8,511	7,062	6,945	-17.0%	-1.7%	-18.4%
Marquette	26,665	26,840	26,762	0.7%	-0.3%	0.4%
Mason	10,826	9,828	10,545	-9.2%	7.3%	-2.6%
Mecosta	11,045	12,063	13,520	9.2%	12.1%	22.4%
Menominee	8,864	7,142	7,399	-19.4%	3.6%	-16.5%
Midland	35,690	34,272	37,008	-4.0%	8.0%	3.7%
Missaukee	2,620	2,640	3,280	0.8%	24.2%	25.2%
Monroe	43,746	36,274	41,088	-17.1%	13.3%	-6.1%
Montcalm	20,410	14,551	15,324	-28.7%	5.3%	-24.9%
Montmorency	2,284	1,926	1,952	-15.7%	1.3%	-14.5%
Muskegon	63,685	56,547	62,197	-11.2%	10.0%	-2.3%
Newaygo	10,981	10,432	11,793	-5.0%	13.0%	7.4%
Oakland	755,451	611,142	706,170	-19.1%	15.5%	-6.5%
Oceana	7,318	7,052	6,788	-3.6%	-3.7%	-7.2%
Ogemaw	6,594	6,077	5,893	-7.8%	-3.0%	-10.6%
Ontonagon	2,235	1,682	1,334	-24.7%	-20.7%	-40.3%
Osceola	7,454	5,281	5,799	-29.2%	9.8%	-22.2%
Oscoda	1,804	1,548	1,660	-14.2%	7.2%	-8.0%
Otsego	11,297	9,648	9,845	-14.6%	2.0%	-12.9%
Ottawa	115,880	99,646	119,793	-14.0%	20.2%	3.4%
Presque Isle	3,745	2,936	2,949	-21.6%	0.4%	-21.3%
Roscommon	6,021	5,389	5,234	-10.5%	-2.9%	-13.1%
Saginaw	94,379	79,148	83,576	-16.1%	5.6%	-11.4%
Saint Clair	49,529	42,491	44,225	-14.2%	4.1%	-10.7%

County Employment, 2001, 2010, 2015						
	2001	2010	2015	% Change, 2001-2010	% Change, 2010-2015	% Change, 2001-2015
Saint Joseph	23,097	18,907	23,048	-18.1%	21.9%	-0.2%
Sanilac	11,894	9,731	10,898	-18.2%	12.0%	-8.4%
Schoolcraft	2,723	2,837	2,615	4.2%	-7.8%	-4.0%
Shiawassee	17,646	15,693	16,397	-11.1%	4.5%	-7.1%
Tuscola	13,215	10,936	11,319	-17.2%	3.5%	-14.3%
Van Buren	22,330	21,844	21,181	-2.2%	-3.0%	-5.1%
Washtenaw	195,562	186,349	202,447	-4.7%	8.6%	3.5%
Wayne	848,463	657,150	699,215	-22.5%	6.4%	-17.6%
Wexford	15,363	12,483	12,920	-18.7%	3.5%	-15.9%
Michigan	4,338,967	3,674,680	4,050,448	-15.3%	10.2%	-6.6%

Exhibit 12: County Personal Income, 2000, 2008, 2015

Personal Income, Michigan Counties, 2000, 2008, 2015 (in thousands of dollars; not adjusted for inflation)						
County	2000	2008	2015	% Change, 2008-2015	% Change, 2008-2015	% Change, 2000-2015
Alcona, MI	\$251,104	\$300,117	\$364,362	19.5%	21.4%	45.1%
Alger, MI	\$190,848	\$225,847	\$273,510	18.3%	21.1%	43.3%
Allegan, MI	\$2,937,166	\$3,624,641	\$4,538,888	23.4%	25.2%	54.5%
Alpena, MI	\$776,157	\$939,391	\$1,050,360	21.0%	11.8%	35.3%
Antrim, MI	\$595,442	\$740,633	\$919,943	24.4%	24.2%	54.5%
Arenac, MI	\$371,828	\$446,003	\$522,320	19.9%	17.1%	40.5%
Baraga, MI	\$175,300	\$232,331	\$256,634	32.5%	10.5%	46.4%
Barry, MI	\$1,670,255	\$1,951,757	\$2,376,299	16.9%	21.8%	42.3%
Bay, MI	\$2,922,102	\$3,514,324	\$4,002,825	20.3%	13.9%	37.0%
Benzie, MI	\$399,449	\$534,968	\$655,640	33.9%	22.6%	64.1%
Berrien, MI	\$4,407,204	\$5,726,391	\$6,485,208	29.9%	13.3%	47.2%
Branch, MI	\$997,500	\$1,178,784	\$1,410,043	18.2%	19.6%	41.4%
Calhoun, MI	\$3,477,441	\$4,312,153	\$4,963,912	24.0%	15.1%	42.7%
Cass, MI	\$1,314,492	\$1,634,624	\$2,006,242	24.4%	22.7%	52.6%
Charlevoix, MI	\$721,604	\$984,498	\$1,206,942	36.4%	22.6%	67.3%
Cheboygan, MI	\$595,982	\$744,568	\$879,981	24.9%	18.2%	47.7%
Chippewa, MI	\$766,496	\$1,015,712	\$1,192,631	32.5%	17.4%	55.6%
Clare, MI	\$623,835	\$768,900	\$951,332	23.3%	23.7%	52.5%
Clinton, MI	\$1,928,652	\$2,560,779	\$3,130,138	32.8%	22.2%	62.3%
Crawford, MI	\$294,591	\$332,507	\$413,473	12.9%	24.4%	40.4%
Delta, MI	\$924,660	\$1,143,348	\$1,321,163	23.7%	15.6%	42.9%
Dickinson, MI	\$713,237	\$922,826	\$1,101,375	29.4%	19.3%	54.4%
Eaton, MI	\$2,879,469	\$3,491,267	\$4,125,850	21.2%	18.2%	43.3%
Emmet, MI	\$919,969	\$1,323,908	\$1,620,965	43.9%	22.4%	76.2%
Genesee, MI	\$11,728,676	\$13,046,468	\$15,042,062	11.2%	15.3%	28.3%

Personal Income, Michigan Counties, 2000, 2008, 2015 (in thousands of dollars; not adjusted for inflation)						
County	2000	2008	2015	% Change, 2008-2015	% Change, 2008-2015	% Change, 2000-2015
Gladwin, MI	\$533,236	\$704,659	\$816,563	32.1%	15.9%	53.1%
Gogebic, MI	\$364,438	\$454,715	\$547,730	24.8%	20.5%	50.3%
Grand Traverse, MI	\$2,358,221	\$3,082,325	\$4,020,628	30.7%	30.4%	70.5%
Gratiot, MI	\$894,613	\$1,157,730	\$1,394,535	29.4%	20.5%	55.9%
Hillsdale, MI	\$1,094,401	\$1,282,476	\$1,505,832	17.2%	17.4%	37.6%
Houghton, MI	\$739,805	\$990,532	\$1,199,361	33.9%	21.1%	62.1%
Huron, MI	\$928,005	\$1,196,019	\$1,379,607	28.9%	15.3%	48.7%
Ingham, MI	\$7,659,657	\$9,051,454	\$10,625,664	18.2%	17.4%	38.7%
Ionia, MI	\$1,342,389	\$1,668,177	\$2,026,981	24.3%	21.5%	51.0%
Iosco, MI	\$569,173	\$717,740	\$851,700	26.1%	18.7%	49.6%
Iron, MI	\$282,373	\$358,496	\$437,550	27.0%	22.1%	55.0%
Isabella, MI	\$1,367,087	\$1,831,009	\$2,255,267	33.9%	23.2%	65.0%
Jackson, MI	\$4,046,641	\$4,815,673	\$5,807,699	19.0%	20.6%	43.5%
Kalamazoo, MI	\$6,859,209	\$9,120,369	\$11,207,427	33.0%	22.9%	63.4%
Kalkaska, MI	\$311,964	\$443,941	\$562,351	42.3%	26.7%	80.3%
Kent, MI	\$18,417,376	\$24,637,976	\$30,861,524	33.8%	25.3%	67.6%
Keweenaw, MI	\$50,791	\$69,435	\$84,178	36.7%	21.2%	65.7%
Lake, MI	\$220,103	\$268,031	\$338,225	21.8%	26.2%	53.7%
Lapeer, MI	\$2,513,661	\$2,739,207	\$3,395,042	9.0%	23.9%	35.1%
Leelanau, MI	\$617,473	\$905,621	\$1,305,581	46.7%	44.2%	111.4%
Lenawee, MI	\$2,603,616	\$3,023,654	\$3,514,317	16.1%	16.2%	35.0%
Livingston, MI	\$5,711,780	\$7,401,676	\$9,292,438	29.6%	25.5%	62.7%
Luce, MI	\$127,957	\$152,992	\$180,192	19.6%	17.8%	40.8%
Mackinac, MI	\$314,579	\$349,539	\$420,433	11.1%	20.3%	33.6%
Macomb, MI	\$26,260,900	\$29,976,249	\$36,191,293	14.1%	20.7%	37.8%
Manistee, MI	\$565,657	\$735,149	\$867,683	30.0%	18.0%	53.4%
Marquette, MI	\$1,549,560	\$2,115,417	\$2,472,691	36.5%	16.9%	59.6%
Mason, MI	\$676,048	\$865,033	\$1,066,306	28.0%	23.3%	57.7%
Mecosta, MI	\$786,738	\$1,036,626	\$1,277,935	31.8%	23.3%	62.4%
Menominee, MI	\$592,839	\$752,687	\$903,695	27.0%	20.1%	52.4%
Midland, MI	\$2,644,996	\$3,677,729	\$3,759,626	39.0%	2.2%	42.1%
Missaukee, MI	\$295,309	\$376,879	\$463,616	27.6%	23.0%	57.0%
Monroe, MI	\$4,356,851	\$5,345,851	\$6,237,965	22.7%	16.7%	43.2%
Montcalm, MI	\$1,217,064	\$1,610,514	\$1,952,226	32.3%	21.2%	60.4%
Montmorency, MI	\$197,421	\$251,838	\$313,402	27.6%	24.4%	58.7%
Muskegon, MI	\$4,084,169	\$4,828,481	\$5,979,311	18.2%	23.8%	46.4%
Newaygo, MI	\$1,057,845	\$1,305,379	\$1,591,924	23.4%	22.0%	50.5%
Oakland, MI	\$58,191,255	\$63,436,227	\$78,829,158	9.0%	24.3%	35.5%
Oceana, MI	\$537,937	\$711,404	\$889,290	32.2%	25.0%	65.3%
Ogemaw, MI	\$412,496	\$547,158	\$647,482	32.6%	18.3%	57.0%
Ontonagon, MI	\$169,784	\$200,162	\$204,985	17.9%	2.4%	20.7%
Osceola, MI	\$470,161	\$586,188	\$710,298	24.7%	21.2%	51.1%
Oscoda, MI	\$155,246	\$228,542	\$269,241	47.2%	17.8%	73.4%
Otsego, MI	\$592,433	\$722,256	\$851,332	21.9%	17.9%	43.7%
Ottawa, MI	\$6,920,886	\$8,978,264	\$11,931,299	29.7%	32.9%	72.4%
Presque Isle, MI	\$303,339	\$387,072	\$439,958	27.6%	13.7%	45.0%

Personal Income, Michigan Counties, 2000, 2008, 2015 (in thousands of dollars; not adjusted for inflation)						
County	2000	2008	2015	% Change, 2008-2015	% Change, 2008-2015	% Change, 2000-2015
Roscommon, MI	\$523,866	\$668,619	\$793,400	27.6%	18.7%	51.5%
Saginaw, MI	\$5,434,578	\$5,939,345	\$6,848,582	9.3%	15.3%	26.0%
St. Clair, MI	\$4,653,726	\$5,340,025	\$6,277,941	14.7%	17.6%	34.9%
St. Joseph, MI	\$1,481,937	\$1,708,387	\$2,087,731	15.3%	22.2%	40.9%
Sanilac, MI	\$1,056,674	\$1,232,890	\$1,451,835	16.7%	17.8%	37.4%
Schoolcraft, MI	\$186,739	\$254,650	\$289,940	36.4%	13.9%	55.3%
Shiawassee, MI	\$1,705,713	\$2,035,812	\$2,407,048	19.4%	18.2%	41.1%
Tuscola, MI	\$1,270,759	\$1,548,177	\$1,869,902	21.8%	20.8%	47.1%
Van Buren, MI	\$1,754,984	\$2,426,540	\$2,796,381	38.3%	15.2%	59.3%
Washtenaw, MI	\$11,697,180	\$15,352,602	\$18,446,608	31.3%	20.2%	57.7%
Wayne, MI	\$57,451,046	\$60,336,717	\$67,755,602	5.0%	12.3%	17.9%
Wexford, MI	\$695,886	\$906,732	\$1,088,881	30.3%	20.1%	56.5%
Michigan	\$302,464,029	\$354,545,792	\$424,807,490	17.2%	19.8%	40.4%

Exhibit 13: Per Capital Income by County, 2000, 2008, 2015

Per Capita Income. Michigan Counties, 2000,2008, 2015 (in thousands of dollars; not adjusted for inflation)						
	2000	2008	2015	% Change, 2000-2008	% Change, 2008-2015	% Change, 2000-2015
Alcona, MI	\$21,504	\$26,592	\$35,207	23.7%	32.4%	63.7%
Alger, MI	\$19,437	\$23,411	\$29,150	20.4%	24.5%	50.0%
Allegan, MI	\$27,734	\$32,482	\$39,598	17.1%	21.9%	42.8%
Alpena, MI	\$24,822	\$31,189	\$36,467	25.7%	16.9%	46.9%
Antrim, MI	\$25,595	\$30,799	\$39,731	20.3%	29.0%	55.2%
Arenac, MI	\$21,520	\$26,954	\$34,226	25.3%	27.0%	59.0%
Baraga, MI	\$19,752	\$26,335	\$29,928	33.3%	13.6%	51.5%
Barry, MI	\$29,338	\$32,645	\$40,063	11.3%	22.7%	36.6%
Bay, MI	\$26,518	\$32,444	\$37,884	22.3%	16.8%	42.9%
Benzie, MI	\$24,826	\$30,168	\$37,557	21.5%	24.5%	51.3%
Berrien, MI	\$27,126	\$36,386	\$41,939	34.1%	15.3%	54.6%
Branch, MI	\$21,744	\$25,457	\$32,293	17.1%	26.9%	48.5%
Calhoun, MI	\$25,196	\$31,404	\$36,958	24.6%	17.7%	46.7%
Cass, MI	\$25,701	\$31,027	\$38,838	20.7%	25.2%	51.1%
Charlevoix, MI	\$27,573	\$37,462	\$46,000	35.9%	22.8%	66.8%
Cheboygan, MI	\$22,464	\$27,847	\$34,608	24.0%	24.3%	54.1%
Chippewa, MI	\$19,861	\$25,880	\$31,358	30.3%	21.2%	57.9%
Clare, MI	\$19,869	\$24,752	\$31,137	24.6%	25.8%	56.7%
Clinton, MI	\$29,662	\$34,464	\$40,446	16.2%	17.4%	36.4%
Crawford, MI	\$20,589	\$23,124	\$29,960	12.3%	29.6%	45.5%
Delta, MI	\$23,991	\$30,563	\$36,319	27.4%	18.8%	51.4%
Dickinson, MI	\$25,974	\$34,664	\$42,709	33.5%	23.2%	64.4%
Eaton, MI	\$27,687	\$32,320	\$37,921	16.7%	17.3%	37.0%
Emmet, MI	\$29,190	\$40,299	\$48,882	38.1%	21.3%	67.5%
Genesee, MI	\$26,841	\$30,125	\$36,612	12.2%	21.5%	36.4%
Gladwin, MI	\$20,409	\$27,148	\$32,450	33.0%	19.5%	59.0%

Per Capita Income. Michigan Counties, 2000,2008, 2015 (in thousands of dollars; not adjusted for inflation)						
	2000	2008	2015	% Change, 2000-2008	% Change, 2008-2015	% Change, 2000-2015
Gogebic, MI	\$21,165	\$27,560	\$35,495	30.2%	28.8%	67.7%
Grand Traverse, MI	\$30,232	\$35,754	\$43,876	18.3%	22.7%	45.1%
Gratiot, MI	\$21,064	\$27,066	\$33,571	28.5%	24.0%	59.4%
Hillsdale, MI	\$23,436	\$27,315	\$32,778	16.6%	20.0%	39.9%
Houghton, MI	\$20,571	\$27,293	\$32,968	32.7%	20.8%	60.3%
Huron, MI	\$25,744	\$35,698	\$43,271	38.7%	21.2%	68.1%
Ingham, MI	\$27,384	\$32,176	\$37,142	17.5%	15.4%	35.6%
Ionia, MI	\$21,752	\$25,598	\$31,562	17.7%	23.3%	45.1%
Iosco, MI	\$20,823	\$27,042	\$33,604	29.9%	24.3%	61.4%
Iron, MI	\$21,545	\$29,674	\$38,557	37.7%	29.9%	79.0%
Isabella, MI	\$21,548	\$26,411	\$31,900	22.6%	20.8%	48.0%
Jackson, MI	\$25,502	\$29,944	\$36,413	17.4%	21.6%	42.8%
Kalamazoo, MI	\$28,699	\$36,945	\$43,062	28.7%	16.6%	50.0%
Kalkaska, MI	\$18,748	\$25,302	\$32,581	35.0%	28.8%	73.8%
Kent, MI	\$31,965	\$41,116	\$48,496	28.6%	17.9%	51.7%
Keweenaw, MI	\$22,336	\$32,768	\$38,827	46.7%	18.5%	73.8%
Lake, MI	\$19,413	\$23,048	\$29,607	18.7%	28.5%	52.5%
Lapeer, MI	\$28,477	\$30,465	\$38,417	7.0%	26.1%	34.9%
Leelanau, MI	\$29,048	\$41,674	\$59,396	43.5%	42.5%	104.5%
Lenawee, MI	\$26,281	\$29,887	\$35,652	13.7%	19.3%	35.7%
Livingston, MI	\$36,072	\$40,855	\$49,608	13.3%	21.4%	37.5%
Luce, MI	\$18,264	\$22,903	\$28,089	25.4%	22.6%	53.8%
Mackinac, MI	\$26,351	\$31,076	\$38,607	17.9%	24.2%	46.5%
Macomb, MI	\$33,206	\$35,777	\$41,847	7.7%	17.0%	26.0%
Manistee, MI	\$22,986	\$29,453	\$35,472	28.1%	20.4%	54.3%
Marquette, MI	\$23,985	\$31,792	\$36,788	32.5%	15.7%	53.4%
Mason, MI	\$23,846	\$30,174	\$37,046	26.5%	22.8%	55.4%
Mecosta, MI	\$19,351	\$24,287	\$29,673	25.5%	22.2%	53.3%
Menominee, MI	\$23,450	\$30,953	\$38,377	32.0%	24.0%	63.7%
Midland, MI	\$31,901	\$43,989	\$44,954	37.9%	2.2%	40.9%
Missaukee, MI	\$20,316	\$25,078	\$31,109	23.4%	24.0%	53.1%
Monroe, MI	\$29,767	\$34,985	\$41,707	17.5%	19.2%	40.1%
Montcalm, MI	\$19,795	\$25,309	\$31,015	27.9%	22.5%	56.7%
Montmorency, MI	\$19,049	\$25,382	\$33,848	33.2%	33.4%	77.7%
Muskegon, MI	\$23,969	\$27,774	\$34,604	15.9%	24.6%	44.4%
Newaygo, MI	\$22,051	\$26,557	\$33,201	20.4%	25.0%	50.6%
Oakland, MI	\$48,648	\$52,884	\$63,454	8.7%	20.0%	30.4%
Oceana, MI	\$19,996	\$26,232	\$34,066	31.2%	29.9%	70.4%
Ogemaw, MI	\$19,000	\$25,002	\$30,925	31.6%	23.7%	62.8%
Ontonagon, MI	\$21,698	\$28,917	\$34,124	33.3%	18.0%	57.3%
Osceola, MI	\$20,224	\$24,773	\$30,805	22.5%	24.3%	52.3%
Oscoda, MI	\$16,530	\$25,498	\$32,631	54.3%	28.0%	97.4%
Otsego, MI	\$25,271	\$29,627	\$35,102	17.2%	18.5%	38.9%
Ottawa, MI	\$28,890	\$34,280	\$42,619	18.7%	24.3%	47.5%
Presque Isle, MI	\$21,097	\$28,251	\$34,262	33.9%	21.3%	62.4%
Roscommon, MI	\$20,549	\$26,900	\$33,199	30.9%	23.4%	61.6%

Per Capita Income. Michigan Counties, 2000,2008, 2015 (in thousands of dollars; not adjusted for inflation)						
	2000	2008	2015	% Change, 2000-2008	% Change, 2008-2015	% Change, 2000-2015
Saginaw, MI	\$25,891	\$29,408	\$35,429	13.6%	20.5%	36.8%
St. Clair, MI	\$28,269	\$32,177	\$39,268	13.8%	22.0%	38.9%
St. Joseph, MI	\$23,719	\$27,518	\$34,215	16.0%	24.3%	44.3%
Sanilac, MI	\$23,737	\$27,908	\$35,005	17.6%	25.4%	47.5%
Schoolcraft, MI	\$20,947	\$30,061	\$35,475	43.5%	18.0%	69.4%
Shiawassee, MI	\$23,785	\$28,464	\$35,078	19.7%	23.2%	47.5%
Tuscola, MI	\$21,815	\$27,396	\$34,771	25.6%	26.9%	59.4%
Van Buren, MI	\$23,019	\$31,719	\$37,247	37.8%	17.4%	61.8%
Washtenaw, MI	\$36,061	\$44,944	\$51,400	24.6%	14.4%	42.5%
Wayne, MI	\$27,926	\$32,351	\$38,512	15.8%	19.0%	37.9%
Wexford, MI	\$22,788	\$27,674	\$32,993	21.4%	19.2%	44.8%
Michigan	\$30,391	\$35,644	\$42,812	17.3%	20.1%	40.9%

Exhibit 14: Millage Rates and Headlee Rollback Impact

Impact of Headlee Millage Rollback, Michigan Counties, 2015/2016				
	Operating Mills Levied	Operating Millage Rollback	Revenue Loss	Millage Below Maximum
Alcona	4.1782	0	\$0	
Alger	5.077	1.073	\$797,145	
Allegan	4.6377	1.0623	\$4,676,951	
Alpena	4.8044	0.6796	\$616,302	
Antrim	5.4	0	\$0	
Arenac	4.9073	0.2937	\$163,945	
Baraga	8.6	0	\$0	
Barry	5.2496	0	\$0	0.4404
Bay	5.7257	0.2743	\$317,789	
Benzie	3.5144	0	\$0	1.7756
Berrien	4.7723	0.6527	\$4,854,024	
Branch	4.7562	0.7438	\$1,037,195	
Calhoun	5.3779	0.1821	\$661,245	
Cass	4.6359	1.1141	2,207,881	
Charlevoix	4.7	0	\$0	
Cheboygan	5.692	0.048	\$65,064	
Chippewa	6.15	0	\$0	
Clare	4.7072	0.7928	\$800,650	
Clinton	5.8	0	\$0	
Crawford	6.0925	0.4075	\$219,142	
Delta	5.0317	0.4183	\$504,693	
Dickinson	6.1203	0.0597	\$59,701	
Eaton	5.2149	0.2851	\$956,095	
Emmet	4.85	0.75	\$2,020,929	
Genesee	5.5072	0.1728	\$1,504,799	
Gladwin	4.4052	0	\$0	
Gogebic	6.68	0	\$0	
Grand Traverse	4.9838	1.2162	\$5,619,487	
Gratiot	5.5373	0.4427	\$570,366	
Hillsdale	4.9552	0.7948	\$1,027,023	
Houghton	6.3	0	\$0	

Impact of Headlee Millage Rollback, Michigan Counties, 2015/2016				
	Operating Mills Levied	Operating Millage Rollback	Revenue Loss	Millage Below Maximum
Huron	4.3807	0.4393	\$964,260	
Ingham	6.3512	0	\$3,266,241	0.4488
Ionia	4.6434	0	\$0	
Iosco	3.9129	0.5871	\$664,032	
Iron	6.43	0	\$0	
Isabella	6.61	0	\$0	
Jackson	5.1187	0.8313	\$3,589,515	
Kalamazoo	4.6871	0	\$0	
Kalkaska	5.4562	0	\$0	
Kent	4.2803	0.5197	\$10,917,688	
Keweenaw	6.25	0	\$0	
Lake	6.0397	1.2803	\$701,520	
Lapeer	3.7866	0	\$0	0.7594
Leelanau	3.5393	0	\$0	
Lenawee	4.9412	0	\$0	0.8088
Livingston	3.3897	0	\$0	1.6103
Luce	5.3167	0	\$0	
Mackinac	4.5	0	\$0	
Macomb	4.5685	0.6215	\$15,885,148	
Manistee	5.5	0	\$0	
Marquette	5.2938	0.7062	\$1,612,556	
Mason	5.0967	0.2033	\$346,750	
Mecosta	5.7859	0	\$0	0.144
Menominee	7.0612	0.4388	\$319,742	
Midland	4.8955	0	\$0	
Missaukee	4.9005	0.0995	\$57,431	
Monroe	4.7952	0.208	\$1,182,200	
Montcalm	4.4082	0.5918	\$1,022,779	
Montmorency	5.1553	0	\$0	
Muskegon	5.3685	0	\$0	0.5016
Newaygo	5.3685	0.4815	\$707,906	
Oakland	4.09	1.0432	\$54,137,220	
Oceana	5.676	0.074	\$86,100	
Ogemaw	6.1035	1.0965	\$896,388	
Ontonagon	6.52	0	\$0	
Osceola	6.4035	0.3465	\$242,438	
Oscoda	5.8717	0	\$438,469	1.1288
Otsego	4.0502	0	\$0	
Ottawa	3.6	0.135	\$1,390,172	0.665
Presque Isle	5.715	0.025	\$16,374	
Roscommon	3.583	0.417	\$523,966	
Saginaw	4.8558	0.1442	\$710,365	
Saint Clair	5.3265	0.4435	\$2,496,124	
Saint Joseph	4.5482		\$0	
Sanilac	4.0482	0.9518	\$1,465,517	
Schoolcraft	5.1343	1.3657	\$486,727	
Shiawassee	5.1146	0.4404	\$749,137	
Tuscola	3.9141	0	\$0	
Van Buren	4.4719	0.7781	\$2,466,614	
Washtenaw	4.5493	0.9507	\$14,189,846	
Wayne	5.6483	0	\$0	0.4217
Wexford	6.7797	0	\$0	0.8203
Average or Total	5.159	0.4151	\$150,213,652	

Exhibit 15: County Long Term Debt as Percentage of Taxable Value

County Long Term Debt as Percentage of Taxable Value			
	Long Term Debt FY2014	TV (,000)	LTD as % TV
Ontonagon	\$0	\$256,002	0.0%
Menominee	\$4,656	\$736,275	0.0%
Alcona	\$45,016	\$735,965	0.0%
Presque Isle	\$76,128	\$646,651	0.0%
Marquette	\$313,404	\$2,329,114	0.0%
Charlevoix	\$316,144	\$2,037,627	0.0%
Montmorency	\$80,939	\$487,221	0.0%
Dickinson	\$369,768	\$882,967	0.0%
Mason	\$900,000	\$1,750,720	0.1%
Mecosta	\$760,503	\$1,250,150	0.1%
Missaukee	\$376,340	\$586,592	0.1%
Clare	\$928,278	\$1,009,858	0.1%
Delta	\$1,206,948	\$1,119,478	0.1%
Gogebic	\$665,000	\$511,739	0.1%
Ionia	\$2,081,596	\$1,544,095	0.1%
Oscoda	\$574,078	\$383,393	0.1%
Otsego	\$1,740,503	\$1,152,384	0.2%
Cheboygan	\$2,441,500	\$1,365,027	0.2%
Manistee	\$2,103,332	\$1,089,820	0.2%
Iosco	\$2,616,000	\$1,116,475	0.2%
Arenac	\$1,376,275	\$555,510	0.2%
Roscommon	\$3,586,558	\$1,260,596	0.3%
Mackinac	\$2,862,000	\$999,063	0.3%
Lenawee	\$9,535,000	\$3,193,938	0.3%
Clinton	\$7,741,250	\$2,591,230	0.3%
Saint Joseph	\$5,838,627	\$1,885,900	0.3%
Genesee	\$29,135,155	\$8,772,244	0.3%
Grand Traverse	\$15,933,571	\$4,698,286	0.3%
Luce	\$663,511	\$186,767	0.4%
Houghton	\$3,194,338	\$870,542	0.4%
Kalkaska	\$2,735,000	\$739,360	0.4%
Shiawassee	\$6,754,750	\$1,698,920	0.4%
Oceana	\$4,643,372	\$1,166,781	0.4%
Wexford	\$3,730,000	\$918,397	0.4%
Kalamazoo	\$36,525,000	\$8,026,812	0.5%
Crawford	\$2,540,000	\$526,530	0.5%
Alger	\$1,912,000	\$373,541	0.5%
Gladwin	\$5,183,589	\$940,353	0.6%
Benzie	\$6,574,426	\$1,180,225	0.6%
Leelanau	\$14,861,078	\$2,569,636	0.6%
Berrien	\$47,749,545	\$7,481,708	0.6%
Allegan	\$28,416,318	\$4,370,807	0.7%
Washtenaw	\$103,424,618	\$15,257,428	0.7%
Emmet	\$18,655,000	\$2,735,667	0.7%

County Long Term Debt as Percentage of Taxable Value			
	Long Term Debt FY2014	TV (,000)	LTD as % TV
Baraga	\$1,680,000	\$244,299	0.7%
Van Buren	\$22,755,370	\$3,166,078	0.7%
Antrim	\$12,705,463	\$1,752,341	0.7%
Lapeer	\$20,872,577	\$2,704,798	0.8%
Ogemaw	\$6,507,258	\$825,096	0.8%
Hillsdale	\$10,452,532	\$1,268,017	0.8%
Montcalm	\$14,537,340	\$1,750,057	0.8%
Huron	\$18,670,769	\$2,161,174	0.9%
Livingston	\$73,791,682	\$8,193,573	0.9%
Oakland	\$489,715,455	\$52,786,200	0.9%
Ingham	\$68,925,295	\$7,386,544	0.9%
Calhoun	\$32,588,431	\$3,446,477	0.9%
Gratiot	\$12,977,270	\$1,285,464	1.0%
Isabella	\$18,120,439	\$1,720,364	1.1%
Barry	\$21,975,330	\$2,011,599	1.1%
Osceola	\$7,660,000	\$686,554	1.1%
Jackson	\$49,258,890	\$4,276,710	1.2%
Macomb	\$303,423,272	\$25,326,598	1.2%
Chippewa	\$13,367,695	\$1,102,155	1.2%
Newaygo	\$18,030,272	\$1,422,733	1.3%
Keweenaw	\$1,766,000	\$137,864	1.3%
Kent	\$300,745,000	\$21,119,691	1.4%
Tuscola	\$26,046,468	\$1,733,525	1.5%
Lake	\$8,423,126	\$555,460	1.5%
Ottawa	\$158,359,032	\$10,438,660	1.5%
Saginaw	\$78,010,723	\$4,826,504	1.6%
Branch	\$22,195,251	\$1,360,725	1.6%
Midland	\$61,932,986	\$3,441,708	1.8%
Cass	\$37,565,500	\$2,019,558	1.9%
Sanilac	\$29,455,281	\$1,559,951	1.9%
Eaton	\$64,905,225	\$3,357,355	1.9%
Monroe	\$111,801,229	\$5,710,715	2.0%
Saint Clair	\$118,100,006	\$5,661,530	2.1%
Bay	\$65,388,816	\$2,781,647	2.4%
Alpena	\$22,274,136	\$893,210	2.5%
Iron	\$16,229,223	\$490,104	3.3%
Muskegon	\$181,343,356	\$4,279,987	4.2%
Schoolcraft	\$25,301,351	\$355,637	7.1%
Wayne	\$3,112,938,000	\$39,162,076	7.9%