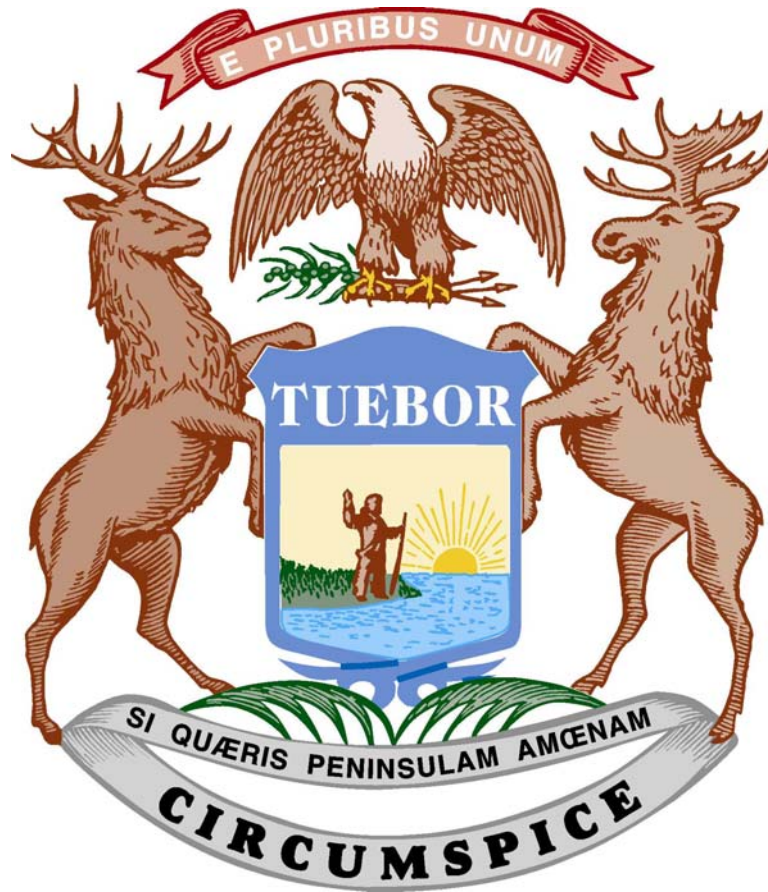


# 2016 Home Heating Expenses Reported by Home Heating Credit Filers



Prepared by  
Office of Revenue and Tax Analysis  
Michigan Department of Treasury  
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## Background

This report is completed in accordance with MCL 206.527a(15), which requires the Michigan Department of Treasury to complete an annual study of the heating costs of taxpayers receiving a home heating credit. The home heating credit is a refundable credit designed to assist low-income families with the cost of heating their homes. The credit was created by Public Act 458 of 1978, and is funded predominantly by federal funds disbursed to Michigan through the Low-Income Home Energy Assistance Program (LIHEAP).

The credit is based on the number of exemptions for which the household is eligible. Individuals who are disabled, deaf, blind, or qualified disabled veterans are entitled to extra exemptions. Prior to 1991, recipients of Aid to Families with Dependent Children or General Assistance were not eligible for this credit, but were provided comparable benefits from other state and local programs.

Michigan law requires home heating credits to be prorated or uniformly reduced so that the expected amount of total credit payments does not exceed the available federal funding. Since 2003, claimants have received only a percentage of their credit each year: 80 percent for 2003, 76 percent for 2004 through 2006, 53 percent for 2007, 65 percent for 2008 and 2009, 52 percent for 2010 and 2011, 48 percent for 2012, 49 percent for 2013, 50 percent for 2014 and 2015, 67 percent for 2016, and 75 percent for 2017.

There are two methods, standard and alternative, to calculate a home heating credit. Claimants eligible to use both methods use the one that provides the higher benefit.

The standard credit for most claimants is equal to a standard allowance amount determined by the number of personal exemptions less 3.5 percent of household resources<sup>1</sup>. Taxpayers who rent their homestead may have heating expenses included in their rent. These taxpayers claim the credit using the standard calculation. The credit for renters with heat included in their rent is then reduced by 50 percent. Claimants with disabilities, who receive extra personal exemptions, have a greater average standard credit.

The alternative credit is equal to 70 percent of the difference between actual heating costs and 11 percent of household resources.

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<sup>1</sup> Starting in tax year 2012, the household income measure used to determine home heating credit eligibility is replaced by household resources. Household resources exclude net losses from business (including farm), rental and royalties, and also exclude net operating losses. For more information on total household resources, visit <http://www.michigan.gov/taxes/0,1607,7-238-43513-235899--,00.html>

## **Data**

The detailed information in this report was gathered from the Department of Treasury's Data Warehouse based on the mainframe taxpayer tapes. The overall summary totals are from the TA-12720 reports.

### **Summary of 2016 Home Heating Credits**

About 320,900 taxpayers received a total of \$68.3 million in home heating credits for tax year 2016, compared to a total of 327,700 taxpayers receiving \$43.6 million in credits for tax year 2015. In tax year 2016, Michigan residents who received a regular home heating credit also received a supplemental credit payment. The supplemental credit payment amount equaled \$44 for households who reported a direct heating obligation on their original home hearing credit application, or \$22 for households who reported an indirect heating obligation (included in their rent) on their original application.

Excluding supplemental credits, those taxpayers claimed a total of about \$56.3 million in regular credits. This represented a decrease of 6,800 credits over the 2015 total, with \$12.7 million (29.1 percent) more in heating assistance provided to low-income families. The average credit excluding supplemental credit for 2016 (\$175.38) was 31.8 percent higher than the 2015 average credit (\$133.08). The home heating credit proration percentage for tax year 2016 increased to 67 percent from 50 percent in 2015.

About 31,000 taxpayers used the alternative calculation based on energy consumption. Including supplemental credits, filers using the alternative calculation claimed credits worth \$14.4 million (about 23.3 percent of all home heating credits). The average credit under the alternative credit was \$463.62 compared to \$186.06 under the standard calculation. A total of 289,900 taxpayers used the standard calculation, claiming \$53.9 million in regular and supplemental credits (about 76.7 percent of all home heating credits).

### **Home Heating Expenses**

From the total claimants of the home heating credits in tax year 2016, approximately 53.4 percent reported their heating expenses on the home heating credit form. From the total of claimants who reported their heating expenses, only 2.1 percent reported that heating expenses were included in their rent. This represents about 4.9 percent of all claimants who reported that heating was included in their rent. About 67.3 percent of all claimants who reported that heating expenses were not included in their rent disclosed their heating expenses on the credit form.

Filers likely omit their heating expenses, in part, because these expenses are not required to calculate the standard credit. The attached tables are based on two subgroups of credit filers. The first subgroup is all credits with heating expenses reported. The second is all credits using the alternate credit calculation. The tables show the number of credits, reported heating

expenses, and the credit amount claimed for both 2015 and 2016. The distribution of credits for each subgroup is presented by total household resources, credit amount, and heating expenses.

Tables 1 through 3 present the distribution of home heating credits for all credits with heating expenses reported on the credit form for tax year 2016 by income, credit amount, and expenses. Similar distributions are presented for 2015 in Tables 7 through 9. In order to better compare 2015 and 2016 statistics, supplemental credit amounts for 2016 were not included in any of the tables in this report.

The average heating expense amount reported for 2016 (\$1,118) was lower than the amount reported for 2015 (\$1,212). Total reported expenses decreased by \$27.4 million to \$185.7 million for 2016. The average home heating credit among those credits reporting expenses increased, from \$166 for 2015 to \$210 for 2016 (26.5 percent). The average percentage of expenses reimbursed by the home heating credit increased from 2015 to 2016 (from 13.7 percent to 18.8 percent).

Tables 4 through 6 present the distribution of home heating credits for filers using the alternative credit calculation method by income, credit amount, and heating expenses for 2016. Similar distributions are presented in Tables 10 through 12 for 2016.

In general, alternative-credit filers have lower average incomes and higher average heating expenses than filers using the standard-credit calculation method. The average alternative credit is also significantly larger.

The average heating expense amount reported by filers using the alternative calculation increased slightly from \$2,216 in 2015 to \$2,279 in 2016 (2.8 percent). Total credits increased by \$0.3 million to \$12.0 million in 2016. The average credit using the alternative calculation increased from \$314 in 2015 to \$412 in 2016 (31.0 percent). Claimants using the alternative calculation had an average of 18.1 percent of their reported heating expenses reimbursed by the home heating credit in 2016, compared to the average of 14.2 percent reported in 2015.

**Table 1**  
**2016 Home Heating Credits Reporting Heating Expenses by Household Income**

<b>Total Household Resources</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$3,000	6,153	\$5,135,007	\$835	\$2,586,031	\$420	50.4%
\$3,001 - \$6,000	8,128	7,283,821	896	2,717,437	334	37.3%
\$6,001 - \$9,000	23,514	22,322,939	949	6,065,676	258	27.2%
\$9,001 - \$12,000	38,298	39,229,754	1,024	8,047,241	210	20.5%
\$12,001 - \$15,000	32,322	38,304,758	1,185	6,626,516	205	17.3%
Over \$15,000	<u>57,619</u>	<u>73,376,068</u>	1,273	<u>8,895,003</u>	154	12.1%
Total	166,034	\$185,652,347	\$1,118	\$34,937,904	\$210	18.8%

Note:

- . Totals include all home heating credits, both standard and alternate calculations, reporting annual heating costs.
- . Does not include supplemental credit.

**Table 2**  
**2016 Home Heating Credits Reporting Heating Expenses by Credit Amount**

<b>Credit Amount</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$100	50,238	\$44,425,865	\$884	\$2,608,772	\$52	5.9%
\$101 - \$150	23,807	21,713,569	912	2,934,281	123	13.5%
\$151 - \$200	22,232	20,838,581	937	3,896,500	175	18.7%
\$201 - \$250	18,865	18,204,539	965	4,146,322	220	22.8%
\$251 - \$300	12,537	14,071,839	1,122	3,444,382	275	24.5%
More than \$300	<u>38,355</u>	<u>66,397,954</u>	1,731	<u>17,907,647</u>	467	27.0%
Total	166,034	\$185,652,347	\$1,118	\$34,937,904	\$210	18.8%

Note:

- . Totals include all home heating credits, both standard and alternate calculations, reporting annual heating costs.
- . Does not include supplemental credit.

**Table 3**  
**2016 Home Heating Credits Reporting Heating Expenses by Heating Expenses**

<b>Annual Heating Expenses</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$500	34,071	\$10,744,086	\$315	\$5,296,938	\$155	49.3%
\$501 - \$750	33,553	20,599,103	614	5,438,924	162	26.4%
\$751 - \$1,000	26,591	23,034,308	866	4,568,256	172	19.8%
\$1,001 - \$1,500	32,536	39,114,444	1,202	6,130,450	188	15.7%
More than \$1,500	<u>39,283</u>	<u>92,160,406</u>	2,346	<u>13,503,336</u>	344	14.7%
Total	166,034	\$185,652,347	\$1,118	\$34,937,904	\$210	18.8%

Note:

- . Totals include all home heating credits, both standard and alternate calculations, reporting annual heating costs.
- . Does not include supplemental credit.

**Table 4**  
**2016 Home Heating Credits Reporting Heating Expenses by Household Income**  
**Alternate Credit Filers Only**

<b>Total Household Resources</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$3,000	2,293	\$3,075,100	\$1,341	\$1,289,381	\$562	41.9%
\$3,001 - \$6,000	2,313	3,826,477	1,654	1,170,906	506	30.6%
\$6,001 - \$9,000	5,148	10,127,467	1,967	2,376,432	462	23.5%
\$9,001 - \$12,000	7,502	16,831,757	2,244	3,288,065	438	19.5%
\$12,001 - \$15,000	6,140	15,783,323	2,571	2,356,807	384	14.9%
Over \$15,000	<u>5,756</u>	<u>16,790,908</u>	2,917	<u>1,520,199</u>	264	9.1%
<b>Total</b>	<b>29,152</b>	<b>\$66,435,032</b>	<b>\$2,279</b>	<b>\$12,001,790</b>	<b>\$412</b>	<b>18.1%</b>

Note:

- . The household resources limits for the alternate credit for tax year 2016 were \$13,826 for one-person households, \$18,605 for two, \$23,389 for three, and \$24,018 for all others.
- . Does not include supplemental credit.

**Table 5**  
**2016 Home Heating Credits Reporting Heating Expenses by Credit Amount**  
**Alternate Credit Filers Only**

<b>Credit Amount</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$100	1,407	\$2,660,059	\$1,891	\$87,111	\$62	3.3%
\$101 - \$150	1,590	3,040,956	1,913	200,718	126	6.6%
\$151 - \$200	1,888	3,615,886	1,915	330,557	175	9.1%
\$201 - \$250	2,412	4,632,231	1,920	543,244	225	11.7%
\$251 - \$300	2,459	4,883,843	1,986	677,505	276	13.9%
More than \$300	<u>19,396</u>	<u>47,602,057</u>	2,454	<u>10,162,655</u>	524	21.3%
<b>Total</b>	<b>29,152</b>	<b>\$66,435,032</b>	<b>\$2,279</b>	<b>\$12,001,790</b>	<b>\$412</b>	<b>18.1%</b>

Note:

- . Does not include supplemental credit.

**Table 6**  
**2016 Home Heating Credits Reporting Heating Expenses by Heating Expenses**  
**Alternate Credit Filers Only**

<b>Annual Heating Expenses</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$500	15	\$5,382	\$359	\$1,436	\$96	26.7%
\$501 - \$750	154	106,453	691	45,026	292	42.3%
\$751 - \$1,000	743	659,400	887	244,909	330	37.1%
\$1,001 - \$1,500	4,245	5,418,159	1,276	1,175,410	277	21.7%
More than \$1,500	<u>23,995</u>	<u>60,245,638</u>	2,511	<u>10,535,009</u>	439	17.5%
<b>Total</b>	<b>29,152</b>	<b>\$66,435,032</b>	<b>\$2,279</b>	<b>\$12,001,790</b>	<b>\$412</b>	<b>18.1%</b>

Note:

- . Does not include supplemental credit.

**Table 7**  
**2015 Home Heating Credits Reporting Heating Expenses by Household Income**

<b>Total Household Resources</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$3,000	7,153	\$7,393,036	\$1,034	\$2,537,596	\$355	34.3%
\$3,001 - \$6,000	9,361	9,587,236	1,024	2,507,690	268	26.2%
\$6,001 - \$9,000	25,774	27,531,995	1,068	5,307,588	206	19.3%
\$9,001 - \$12,000	40,969	46,220,448	1,128	6,716,469	164	14.5%
\$12,001 - \$15,000	33,163	42,207,112	1,273	5,221,781	157	12.4%
Over \$15,000	<u>59,437</u>	<u>80,160,796</u>	1,349	<u>6,880,378</u>	116	8.6%
Total	175,857	\$213,100,623	\$1,212	\$29,171,502	\$166	13.7%

Note:

. Totals include all home heating credits, both standard and alternate calculations, reporting annual heating costs.

**Table 8**  
**2015 Home Heating Credits Reporting Heating Expenses by Credit Amount**

<b>Credit Amount</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$100	68,338	\$65,797,966	\$963	\$3,467,380	\$51	5.3%
\$101 - \$150	31,311	31,577,943	1,009	3,918,042	125	12.4%
\$151 - \$200	23,529	25,036,146	1,064	4,006,776	170	16.0%
\$201 - \$250	16,518	20,396,818	1,235	3,685,303	223	18.1%
\$251 - \$300	10,250	15,212,375	1,484	2,803,755	274	18.4%
More than \$300	<u>25,911</u>	<u>55,079,375</u>	2,126	<u>11,290,246</u>	436	20.5%
Total	175,857	\$213,100,623	\$1,212	\$29,171,502	\$166	13.7%

Note:

. Totals include all home heating credits, both standard and alternate calculations, reporting annual heating costs.

**Table 9**  
**2015 Home Heating Credits Reporting Heating Expenses by Heating Expenses**

<b>Annual Heating Expenses</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$500	24,689	\$7,336,654	\$297	\$2,867,268	\$116	39.1%
\$501 - \$750	30,487	18,939,060	621	3,643,591	120	19.2%
\$751 - \$1,000	31,935	27,769,627	870	4,048,246	127	14.6%
\$1,001 - \$1,500	42,030	50,640,685	1,205	5,956,000	142	11.8%
More than \$1,500	<u>46,716</u>	<u>108,414,597</u>	2,321	<u>12,656,397</u>	271	11.7%
Total	175,857	\$213,100,623	\$1,212	\$29,171,502	\$166	13.7%

Note:

. Totals include all home heating credits, both standard and alternate calculations, reporting annual heating costs.

**Table 10**  
**2015 Home Heating Credits Reporting Heating Expenses by Household Income**  
**Alternate Credit Filers Only**

<b>Total Household Resources</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$3,000	3,487	\$5,336,222	\$1,530	\$1,619,177	\$464	30.3%
\$3,001 - \$6,000	3,354	5,732,033	1,709	1,314,124	392	22.9%
\$6,001 - \$9,000	7,117	13,952,428	1,960	2,460,350	346	17.6%
\$9,001 - \$12,000	9,672	21,336,895	2,206	3,090,902	320	14.5%
\$12,001 - \$15,000	7,113	17,969,463	2,526	1,999,316	281	11.1%
Over \$15,000	<u>6,414</u>	<u>18,026,172</u>	2,810	<u>1,191,118</u>	186	6.6%
<b>Total</b>	<b>37,157</b>	<b>\$82,353,213</b>	<b>\$2,216</b>	<b>\$11,674,987</b>	<b>\$314</b>	<b>14.2%</b>

Note:

. The household resources limits for the alternate credit for tax year 2015 were \$13,727 for one-person households, \$18,472 for two, \$23,222 for three, and \$24,018 for all others.

**Table 11**  
**2015 Home Heating Credits Reporting Heating Expenses by Credit Amount**  
**Alternate Credit Filers Only**

<b>Credit Amount</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$100	3,432	\$5,944,411	\$1,732	\$196,724	\$57	3.3%
\$101 - \$150	3,208	5,917,784	1,845	404,244	126	6.8%
\$151 - \$200	3,944	7,239,805	1,836	689,000	175	9.5%
\$201 - \$250	4,394	8,501,799	1,935	988,042	225	11.6%
\$251 - \$300	4,311	9,089,324	2,108	1,183,108	274	13.0%
More than \$300	<u>17,868</u>	<u>45,660,090</u>	2,555	<u>8,213,869</u>	460	18.0%
<b>Total</b>	<b>37,157</b>	<b>\$82,353,213</b>	<b>\$2,216</b>	<b>\$11,674,987</b>	<b>\$314</b>	<b>14.2%</b>

**Table 12**  
**2015 Home Heating Credits Reporting Heating Expenses by Heating Expenses**  
**Alternate Credit Filers Only**

<b>Annual Heating Expenses</b>	<b>Number of Credits</b>	<b>Total Expenses Reported</b>	<b>Average Expense Amount</b>	<b>Total Credit Amount</b>	<b>Average Credit Amount</b>	<b>Credit as Percent of Expenses</b>
Up to \$500	50	\$13,592	\$272	\$1,939	\$39	14.3%
\$501 - \$750	233	157,962	678	39,496	170	25.0%
\$751 - \$1,000	1,162	1,031,567	888	260,742	224	25.3%
\$1,001 - \$1,500	6,122	7,822,446	1,278	1,221,771	200	15.6%
More than \$1,500	<u>29,590</u>	<u>73,327,646</u>	2,478	<u>10,151,039</u>	343	13.8%
<b>Total</b>	<b>37,157</b>	<b>\$82,353,213</b>	<b>\$2,216</b>	<b>\$11,674,987</b>	<b>\$314</b>	<b>14.2%</b>