

# BUREAU OF FIRE SERVICES

## ANNUAL REPORT

(Public Act 207 of 1941)

### Fiscal Year 2016



RICK SNYDER  
GOVERNOR



SHELLY EDGERTON  
DIRECTOR

# Table of Contents

<b>State Fire Marshal</b>	<b>1</b>
Mission and Vision	1
<b>State Fire Safety Board</b>	<b>2</b>
<b>About the Bureau</b>	<b>3</b>
Fund Sources	3
Fire Safe Cigarettes	3
Fire Safety Outreach and Communication	3
<b>Bureau Programs</b>	
Plan Review	4-6
Field Services	7-9
Centers for Medicare/Medicaid Services	10
Fireworks Program	11-12
National Fire Incident Reporting System	13-16
Fire Fighter Training Division	17-20
Storage Tank Division	21-24
<b>Michigan Fire Organizations</b>	<b>25</b>
Fireworks Safety Fund Allocations and Expenses	Attachment A
Delegated Fire Department Payments	Attachment B

# State Fire Marshal

The Michigan State Fire Marshal is the most senior fire official in the state. In this role, the State Fire Marshal is responsible for advising the governor and legislature on a wide range of issues relevant to fire safety, including fire prevention and protection. The State Fire Marshal is also the chief advocate for the fire service community, Michigan citizens, and others affected by the Michigan Fire Prevention Code, [Public Act \(PA\) 207 of 1941](#), and the Fire Fighter Training Council Act, [PA 291 of 1966](#).

The State Fire Marshal also serves as the Director of the Bureau of Fire Services (BFS) within the Department of Licensing and Regulatory Affairs (LARA). As the Director of the bureau, the State Fire Marshal's primary responsibilities include overseeing fire safety code adoption and enforcement, fire incident data reporting and analysis, fire fighter training, the certification of consumer-grade fireworks, the regulation of aboveground and underground storage tanks, hazardous materials incident responses and public education.

The State Fire Marshal is also a statutory member, or ex-officio member, of the State Fire Safety Board (SFSB), Fire Fighters Training Council (FFTC), Michigan Homeland Protection Board, State Board of Mechanical Rules, Construction Code Commission (CCC), Electrical Administrative Board, National Fire Protection Association (NFPA), International Code Council (ICC), National Association of State Fire Marshals (NASFM) and has a seat on the State Emergency Operations Center (SEOC).



## **MISSION**

To provide for the protection of persons and property from exposure to the dangers of fire through inspection and fire prevention and to serve the training needs of over 30,000 fire fighters in the state of Michigan.

## **VISION**

The tenacious pursuit of providing a fire safe environment for all firefighters and citizens in the state of Michigan.

# State Fire Safety Board

The State Fire Safety Board (SFSB) was established through [PA 207 of 1941](#), as amended. Its mission is the protection of life and property from fire, smoke, hazardous materials and fire related panic in public facilities in cooperation with the state fire marshal, the BFS and related organizations throughout the state.

Pursuant to [Section 29.3c\(6\) and 29.3c\(8\)](#) of PA 207, the SFSB serves as the administrative hearing body on decisions made by the state fire marshal and the BFS concerning the interpretation and/or application of the fire safety rules affecting the construction, operation and maintenance of state-regulated facilities. Written requests for an appeal include:

- A copy of the variance request sent to BFS.
- A copy of the Bureau's letter of denial.
- A concise statement of the reason(s) the Bureau's application or interpretation of the rule that should be modified.

Upon receipt, the state fire marshal examines the appeal request to determine the appropriate jurisdiction and whether the information provided meets the requirements of the Act. If the information provided complies with PA 207, the SFSB will act as a hearing body in accordance with the Administrative Procedures Act, PA 306 of 1969. After a hearing, the SFSB may vary the application of the rule or may modify the ruling or interpretation of the state fire marshal. A decision of the SFSB to vary the application of a rule shall specify the variation or change made, the conditions upon which it is made, and the reasons for the variation or change.

Pursuant to the [Fireworks Safety General Rules](#), R29.2922, effective March 20, 2014, the SFSB also reviews decisions of the state fire marshal regarding violation citations or civil infraction penalties or fines related to consumer fireworks. Written requests for appeal must:

- Be received within 28 calendar days of the issuance of the state fire marshal's final review decision.
- The Board can only conduct a technical review of the state fire marshal's final review decision based upon the administrative record.

<b>Members and Terms</b>		
<b>Name</b>	<b>Term</b>	<b>Organization</b>
Artman, Lynn	7/15/19	Professional Engineers
Enkemann, John, Vice Chair	7/15/19	Registered Architects
Green, Jeffrey	7/15/20	Fire Department Upper Peninsula
Henry, David	7/15/17	Owners of Adult Foster Care Facilities
Herman, Greg	7/15/17	Building Trades
Hicks, Donald	7/15/20	Chemical Manufacturing Industry
Hodgson, Amy	7/15/19	School Board Members/ Administrators
Jensen, Mark	7/15/20	Liquefied Petroleum or Flammable Compressed Gas Industry
Korte, Paul	7/15/20	Hospital Administrations
Lenaghan, Andrew, Chair	7/15/19	Fire Departments in the Lower Peninsula
Piche, Dave	7/15/19	Fire Departments Lower Peninsula
Powers, Michael	7/15/20	Licensed Electrical Contractors
Renneberg, Cassandra	7/15/19	Persons who own a place of Public Assemblage
Sabin, Ron	7/15/20	Fire Departments in the Lower Peninsula
Secontine, Julie, Ex-Officio	Serves at the pleasure of the Governor	State Fire Marshal
Wozniak, John	7/15/17	Flammable Liquids Industry

# About the Bureau

The BFS was established under [PA 207 of 1941](#), the Michigan Fire Prevention Code. The Act mandates the state fire marshal and the Bureau serve as the focal point for matters relating to fire safety in the state of Michigan. The Bureau has a staff of approximately 75 employees and includes the following four main divisions: Program Services, Specialty Programs, Fire Fighter Training and Storage Tanks.

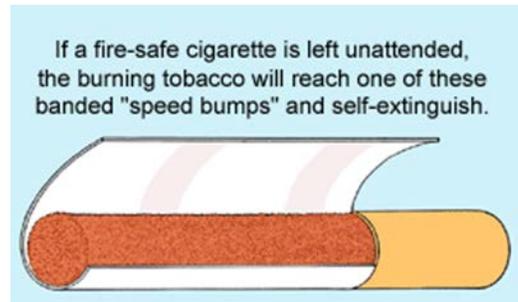
## Fund Sources

FUND SOURCES THAT SUPPORT BFS OPERATIONS
Interdepartmental Grant from Department of Community Health
Federal Emergency Management Agency
Department of Transportation
Title XVIII Medicare
Title XIX Medicaid
Fire Alarm Fees
Fire Safety Standard & Enforce Fund
Fire Service Fees
Fireworks Safety Fund
Liquor Purchase Revolving Fund
General Fund/General Purchase
Aboveground Storage Tank Fees
Underground Storage Tank Fees
Fireworks Safety Fund (Non-Sales Fee Rev)
Fire Alarm Fees

## Fire Safe Cigarettes

The [Fire Safety Standard and Firefighters Protection Act, Public Act 56 of 2009](#), provides for the regulation of the sale and distribution of reduced ignition propensity cigarettes, otherwise known as fire safe cigarettes. Discarded smoking materials are the second leading cause of home fire-related death and injuries in the United States.

In FY16, a total of 66 fire safe cigarette brands and associated brand styles were certified and/or recertified.



## Fire Safety Outreach and Communication

Fire prevention and public safety is a top priority of the state fire marshal. Public awareness about fire safety is addressed year round through a series of seasonal [public service announcements](#), TV and radio interviews, and [news releases](#). These announcements and interviews focus on cooking safety during the holidays, camp fire safety, firework safety, flammable and unapproved refrigerants in home air conditioning systems, grilling safety; fire safety in dormitories and university housing; and the importance of having and maintaining smoke alarms.

# Plan Review

**Plan Review Division:** The Plan Review staff perform construction plan reviews of all new construction, additions or remodeling of state-regulated facilities pursuant to [PA 368 of 1978](#), as amended (Public Health Code), [PA 207 of 1941](#), [PA 218 of 1979](#) (Adult Foster Care Facility Licensing Act), [PA 116 of 1973](#) (Child Care Organizations) and [PA 256 of 2011](#) (Michigan Fireworks Safety Act).

## Construction Plan Review Types:

- Architectural Plans and Specifications
- Site Plan Drawings
- Shop Drawings
  - Fire Alarm
  - Fire Suppression
  - Hood Suppression
  - Clean Agent Suppression
  - Door Locking
- Modification Requests
- Consultations



**Plan Review Consultants:** Plan review consultants and/or project superintendents are subject experts in the interpretation of the fire safety rules. They analyze and evaluate plans and specifications, shop drawings and modification requests based upon a thorough review of construction documents to assure compliance with Michigan's fire safety laws, rules, life safety codes and national standards. Once the review has been completed, the plan review consultants either accept or reject the proposed construction documents based upon their findings.

Plan review consultants also provide formal training and assistance to concerned parties such as architects, engineers, contractors and facility owners as well as other state and federal agencies concerning acceptable compliance with the fire safety rules. They also provide technical guidance for decisions concerning rule promulgation and the formulation of

BFS procedures. They may also provide an analysis of new products, construction and testing methods to determine acceptability in state-regulated facilities.

## BFS Certification:

Though PA 144 of 1982, which amended the [Michigan Fire Prevention Code, PA 207 of 1941, MCL 29.3c \(5\)](#) the Bureau was given the authority to promulgate rules for the certification of both fire alarm and fire suppression firms in the state of Michigan who perform the following:



- Installation, modification, or documentation of a fire suppression system
- Installation, modification, or documentation of a fire alarm system
- Perform testing, servicing, inspections or maintenance that has not been exempted by the rules
- Submit drawings, plan or specifications of a fire alarm and/or fire suppression system for Bureau approval

The Bureau was also given the authority to oversee the certification of said firms and its qualifying persons. Oversight and certification is provided by the Bureau through the Plan Review Division specialist.

### **Total BFS Certifications** **FY16**

**195 Fire Alarm Firms**

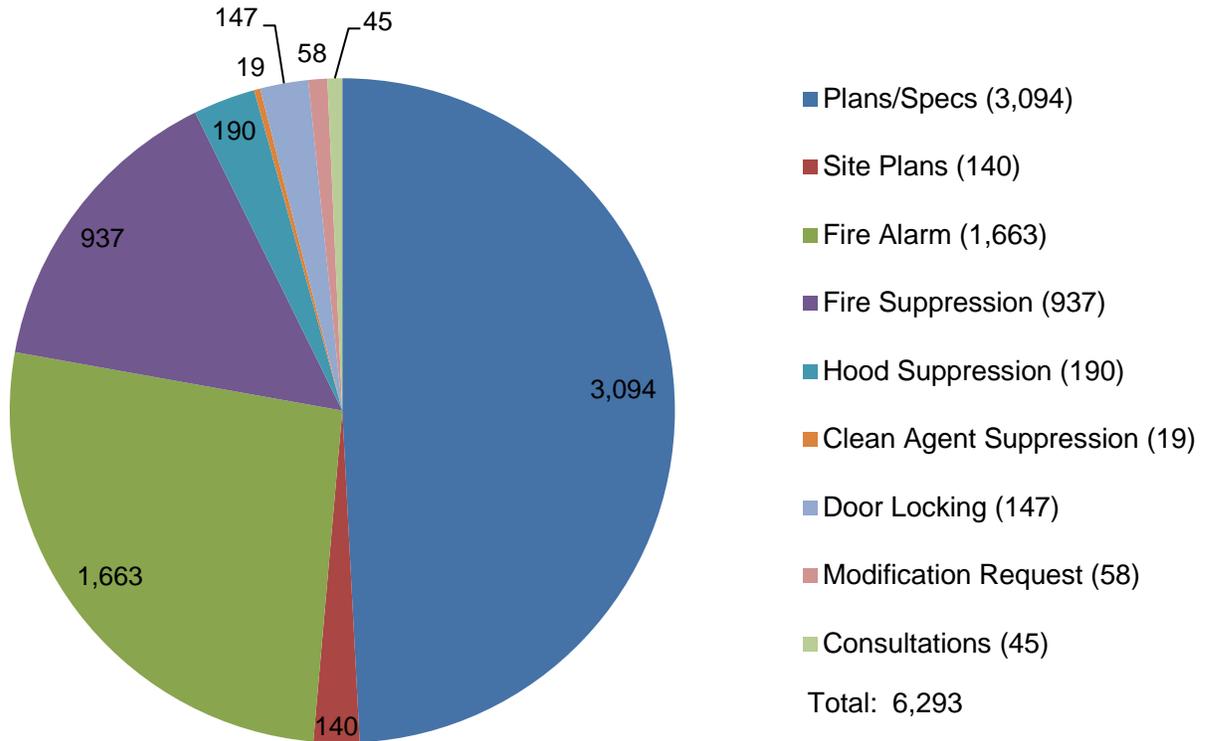
**276 Qualifying Persons for  
Fire Alarm Firms**

**185 Fire Suppression Firms**

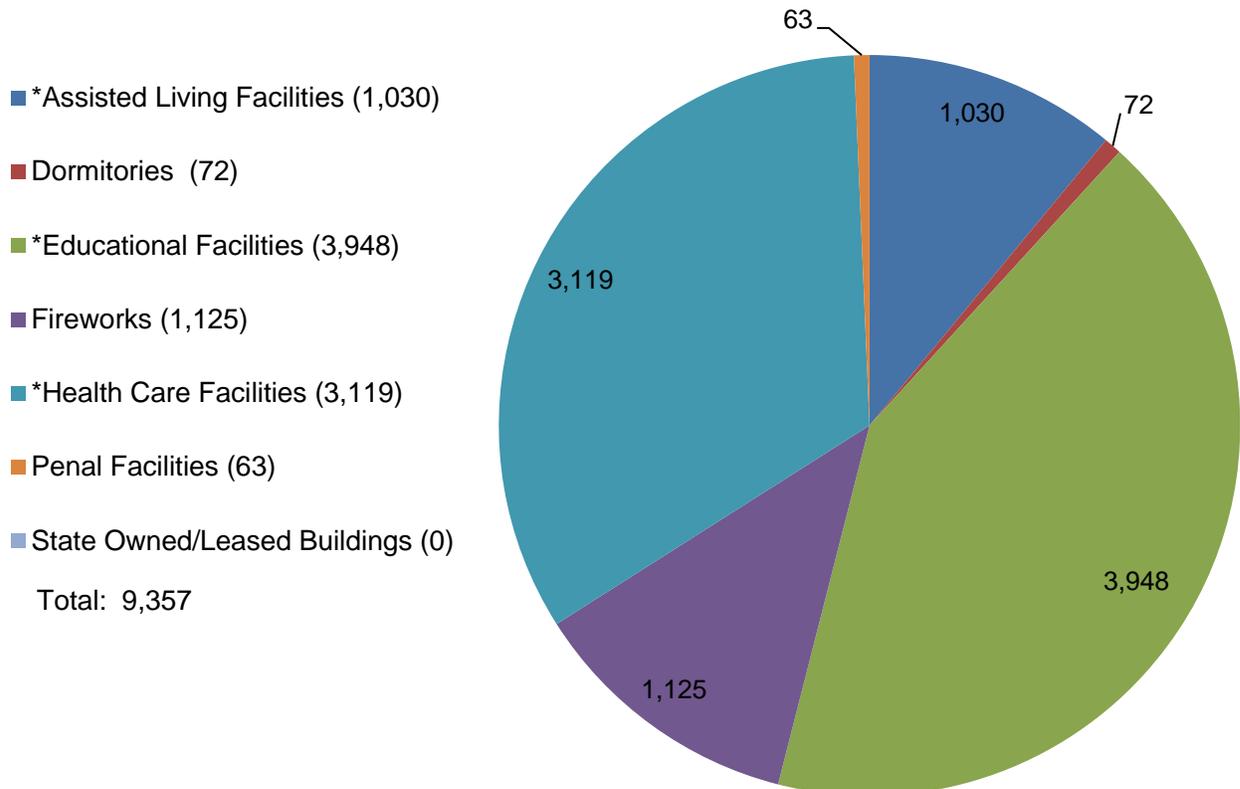
**255 Qualifying Persons for  
Fire Suppression Firms**

# Plan Review

## FY16 Plan Reviews by Review Type



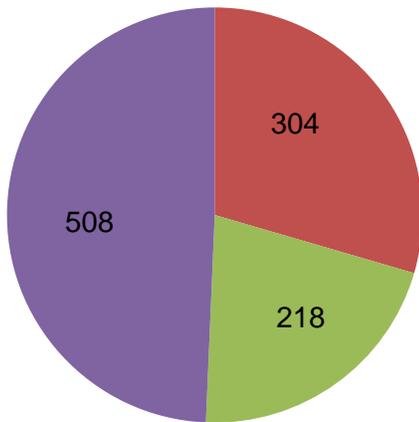
## FY16 Transactions by Facility Type



# Plan Review

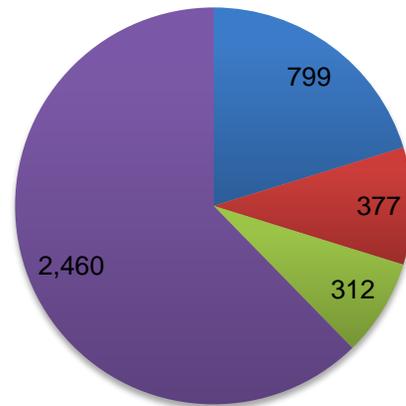
## FY16 Transactions for Assisted Living Facilities

- Adult Foster Care Congregate (0)
- Adult Foster Care Large (304)
- Adult Foster Care Small (218)
- Homes for the Aged (508)



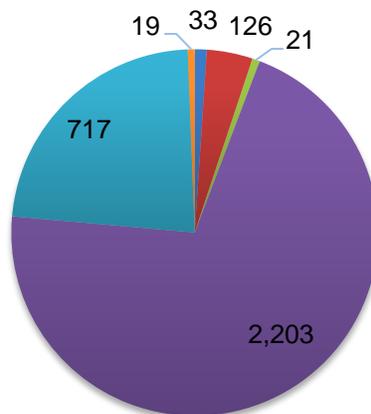
## FY16 Transactions for Educational Facilities

- Universities (799)
- Colleges (377)
- Charter Schools (312)
- K-12 Schools (2,460)



## FY16 Transactions for Health Care Facilities

- Ambulatory Surgical Center (33)
- Free Standing Outpatient Facility (126)
- Hospice Residence (21)
- Hospital (2,203)
- Nursing Home (717)
- Psychiatric Hospital (19)



# Field Services

## **Field Services:**

The staff of the Field Services Division seeks to ensure that fire-safe conditions are maintained in state-regulated facilities through the inspection of all new construction, additions or remodeling projects.



While conducting a project inspection, fire marshal inspectors survey and inspect for proper installation and maintenance of fire protection features, such as fire alarm and detection systems, fire suppression systems, fire separation and fire barriers/compartments, means of egress, interior finish and emergency power.

Fire marshal inspectors also conduct annual inspections in state-regulated facilities as required by licensing requirements. Through annual inspection the fire marshal inspector is able to provide an ongoing evaluation of the effectiveness of applicable fire safety laws and codes. When code-related problems are identified, recommendations may be made through the SFSB to update relevant statutes and fire codes.

Fire marshal inspectors also respond and investigate reported incidents at state-regulated facilities. In FY16, fire marshal inspectors investigated 117 incidents.

## **State-Regulated Facilities:**

- Assisted Living Facilities:
  - Adult Foster Care (AFC) Homes - Congregate
  - AFC (7-12 and 13-20 residents)
  - Homes for the Aged (HFA)
- Consumer Fireworks Retail Sales (CFRS) Facilities
- Dormitories
- Educational Facilities:
  - Charter Schools
  - Colleges and Universities (public and private)
  - K-12 Schools
- Health Care Facilities:
  - Ambulatory Surgical Centers (ASC)/Freestanding Surgical Outpatient Facilities (FSOF)
  - Hospice Facilities
  - Hospitals
  - Psychiatric Hospitals
- Penal Facilities
- Places of Public Assemblage (churches, halls, theaters, restaurants, libraries, malls, stores, and museums)
- State Owned/Leased Buildings

*Note: Nursing home inspections transferred to the Bureau of Community and Health Systems (BCHS) in FY15.*

**Assisted Living Facilities:** Inspections of AFC and HFA Facilities are done prior to issuance of an initial license and annually thereafter. In FY16, a total of 2,434 annual fire safety inspections were done in addition to 518 project inspections in AFC and HFA homes throughout the state.

**Consumer Fireworks Retail Sales Facilities:** Inspections are conducted for all certified CFRS facilities to verify compliance with code regulations. In FY16, BFS fire marshal inspectors conducted roughly 734 project inspections between May and early July. During these months, fire marshal inspectors work diligently to ensure the applicant is able to open for business.

Fire marshal inspectors also investigate complaints for code violations or for the illegal sales of fireworks. In FY16, fire marshal inspectors responded to 19 complaints concerning fireworks facilities, made 62 enforcement patrol stops and issued 49 citations.

### **FY16 CFRS Inspections**

**734 Project Inspections**

**81 Complaints/Patrol**

**49 Citations Issued**

**72 Violations Identified**

**Dormitories:** Students going off to college face many new challenges and are placed in new environments that must be provided with adequate levels of fire safety. In FY16, fire marshal inspectors conducted 45 inspections for new construction, additions and/or remodeling of dormitories, both public and private.

## **Educational Facilities:**

Students whether by reason of age or the high concentration within a relatively small area, must be provided a safe environment. To ensure that these areas provide an adequate level of fire safety, fire safety inspections are conducted on all new construction, additions and remodeling of all educational facilities, including charter and K-12 schools, colleges and universities both public and private. During FY16, field services inspected 2,043 projects and 88 school safety inspections in these facility types.



# Field Services

**Health Care Facilities:** Occupancies of these facilities are generally not capable of self-preservation or evacuation in the event of a fire or other emergency and therefore, are built to specific level of resistance to fire. In FY16, Field Services inspected 901 new constructions, additions and remodeling of existing facilities as well as 675 annual and/or federal inspections of all licensed health care facilities in accordance with state rules for licensing and compliance with federal certification (CMS) rules.



**Penal Institutions:** Fire inspectors conducted 37 fire safety inspections of all inmate-occupied facilities including new construction, additions, and remodeling of state and local correctional facilities in Michigan.

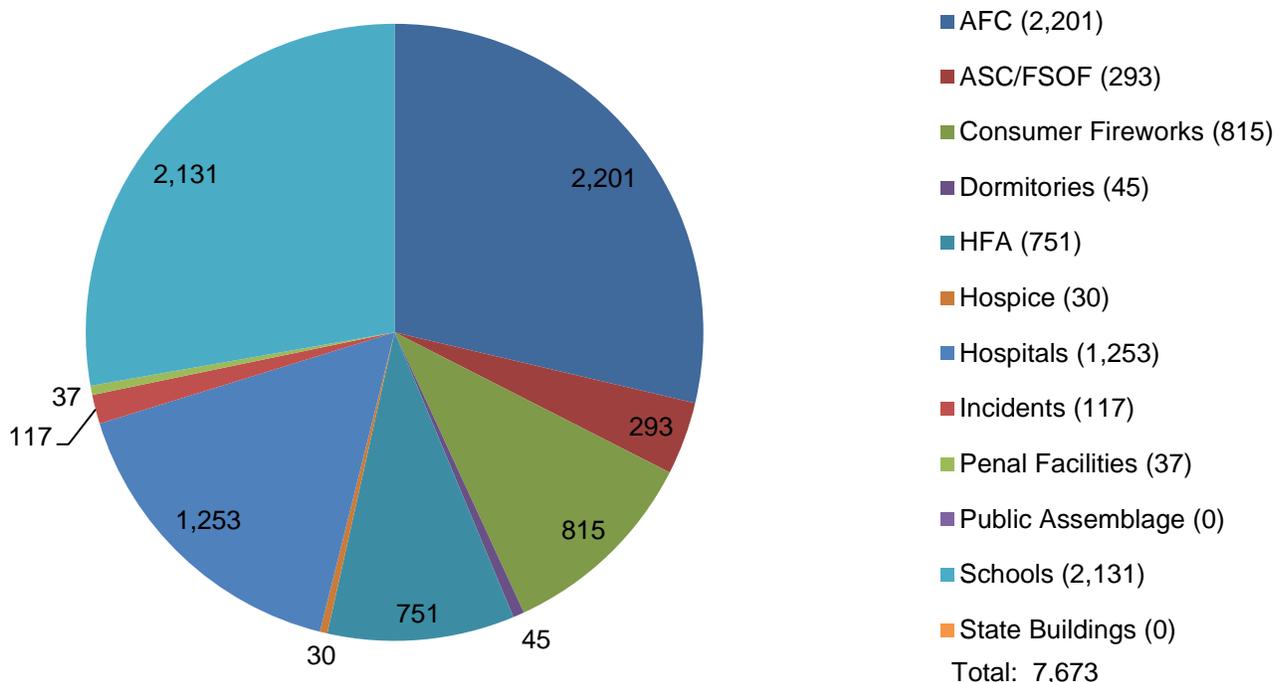
**Places of Public Assemblage:** The Office of the Auditor General (OAG) conducted a Performance Audit of the Bureau and their report of April 2014 found:

- The Bureau did not ensure places of public assembly obtained certification of maximum capacity and compliance with the Fire Prevention Code prior to establishment or operation.
- The Bureau did not ensure that it conducted annual fire safety inspections of all places of public assemblage and did not seek amendatory legislation regarding the inspection of places of public assemblage according to [MCL 29.21c](#) and [MCL 29.21d](#) of the Fire Prevention Code which requires annual inspections of places of public assemblage. These include churches, halls, theaters, restaurants, libraries, malls, stores, and museums.

The state fire marshal developed an ad hoc committee that consists of representatives from the fire industry to research possible solutions to address this deficiency.

**State Owned/Leased Buildings:** Field Services did not conduct inspections of new construction, addition and remodeling of existing state owned or leased buildings in FY16.

## FY16 Inspections by Facility Type





# Centers for Medicare and Medicaid Services

**CMS Life Safety Code Training Courses:** The federal register for the Centers for Medicare and Medicaid Services (CMS) administration certification monitors contract compliance of the state contractor for the qualified fire inspector program, and is the fire safety authority for rule interpretation and technical application for this program. The state agencies are to ensure that surveyors are trained to survey for all regulatory requirements and have the necessary skills to perform the survey.

**Staff Training:** Per the State Operations Manual (SOM) 4003.2A, all state agency health care facility surveyors must successfully complete the basic life safety course within the first year of employment and other specified training as necessary and required by the federal government.

**Principles of Documentation (POD):** This training provides guidance on how to structure a written deficiency statement, including legal aspects of the statement of deficiencies and documenting necessary information to support the determination of non-compliance.

**Basic Life Safety Code:** The Basic Life Safety Code (LSC) course is required for all new LSC survey staff that will be performing CMS LSC surveys within the first year of employment. This training covers the adopted standard NFPA, Life Safety Code, 2000 Edition, and any survey and certification formal guidance issued by CMS (POD is a prerequisite of this course).

**Fire/Smoke Zone Evaluation Worksheet/Health Care:** Fire/Smoke zone evaluation worksheet/health care is required for any LSC surveyor who will conduct or review a Fire/Smoke Zone Evaluation using NFPA 101A, which is an alternative approach or an equivalency to meeting requirements of the LSC (Basic LSC is a prerequisite of this course).

**National Fire Protection Association 99 - Health Care Facilities:** NFPA 99 is a mandatory reference document required by the LSC. It addresses life safety requirements of complex issues such as electrical systems, generators, medical gases, hyperbaric chambers, laboratories and flammable anesthetizing locations in health care facilities.

CMS directs activities relative to the Medicare/Medicaid (MM) funding provided to state licensed and federally certified health care facilities in the state of Michigan. Health care facilities include nursing homes, hospital long term care units, county medical care facilities, hospitals, critical access hospitals, psychiatric hospitals, freestanding surgical outpatient facilities and hospice residences.

CMS develops national policies and procedures, which support and assure effective state program administration and beneficiary protection. CMS develops, interprets and applies specific laws, regulations and policies, and directly governs the operation and management of the M/M Program providing assistance to the state agency (SA). CMS measures the performance of the SA to improve the quality of the operations.

BFS conducts LSC surveys on behalf of the CMS as prescribed in the Code of Federal Regulation (CFR) for M/M funding and an interagency agreement with the Bureau of Health Care Services. Effective October 2014, the agreement was changed to have all LSC survey authority for long-term care facilities (nursing homes) transferred to the BCHS along with four BFS fire inspectors. BFS retained the responsibility for all other health care facilities including hospitals and hospice residences.

It is also the responsibility of the state agency to assist facilities under special circumstances where justification in the form of a waiver, temporary waiver or equivalency concept, could be applied and approved to continue funding if the waiver of such unmet provisions would not adversely affect the health and safety of the residents. It would be the responsibility of the state agency to monitor the progress/milestones of the corrective action along with additional safety measures put in place during the waiver period and to report these findings to CMS.

For FY16, BFS conducted three (3) recertification surveys for health care facilities that were not accredited; two (2) validation surveys on behalf of CMS to verify that the accrediting bodies were effectively enforcing CMS program requirements; and three complaint inspections.



# Fireworks Program

In December 2011, Gov. Rick Snyder signed the [Michigan Fireworks Safety Act, P.A. 256 of 2011](#), the Michigan Fireworks Safety Act, which allows the sale and use of consumer-grade fireworks in Michigan. Consumer-grade fireworks, labeled 1.4G fireworks, are those that leave the ground and contain higher levels of explosive mixture than low-impact fireworks—ground-based devices containing 500g or less of explosive mixture that have long been legal for sale and use in Michigan. Examples of consumer-grade fireworks include bottle rockets, Roman candles and firecrackers.

According to the Michigan Fireworks Safety Act, [MCL 28.462, Section 12](#), prohibits a person from ignition, discharge, or use of consumer fireworks on public property, school property, church property, or the property of another person without express permission. State law makes it illegal to sell consumer-grade fireworks to minors and to discharge both consumer-grade and low-impact fireworks when intoxicated or under the influence of a controlled substance. When fire-related incidents involve consumer, low impact, or illegal fireworks resulting in property damage, injury or death of another person, individuals are subject to being convicted of a misdemeanor or felony punishable by imprisonment of not more than 15 years and fines of up to \$10,000 or both, depending upon the severity of the crime.



A local unit of government cannot enact an ordinance, code, or regulation pertaining to or in any manner regulating the sale, display, storage, transportation, or distribution of consumer-grade fireworks, but can enact an ordinance regulating the ignition, discharge, and use of consumer grade fireworks anytime other than the day before, day of and day after a national holiday.

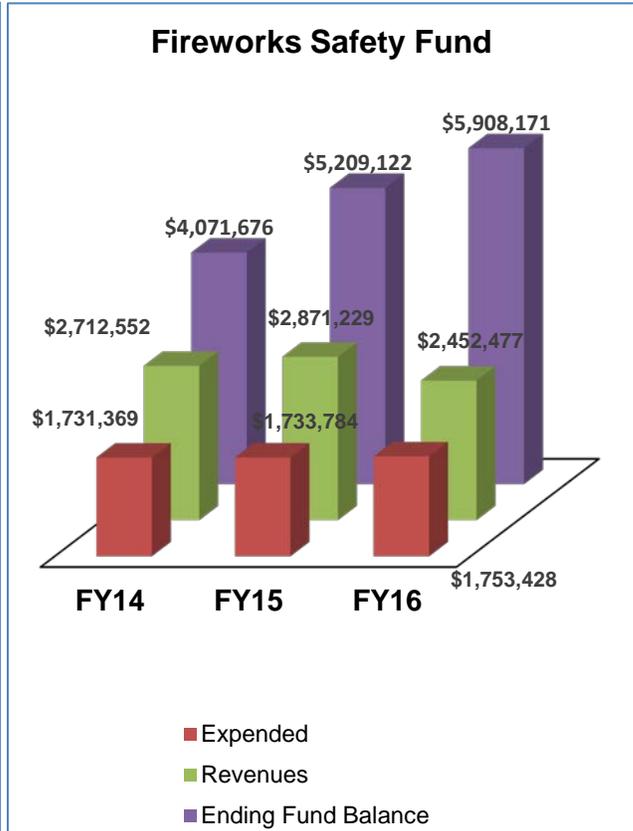
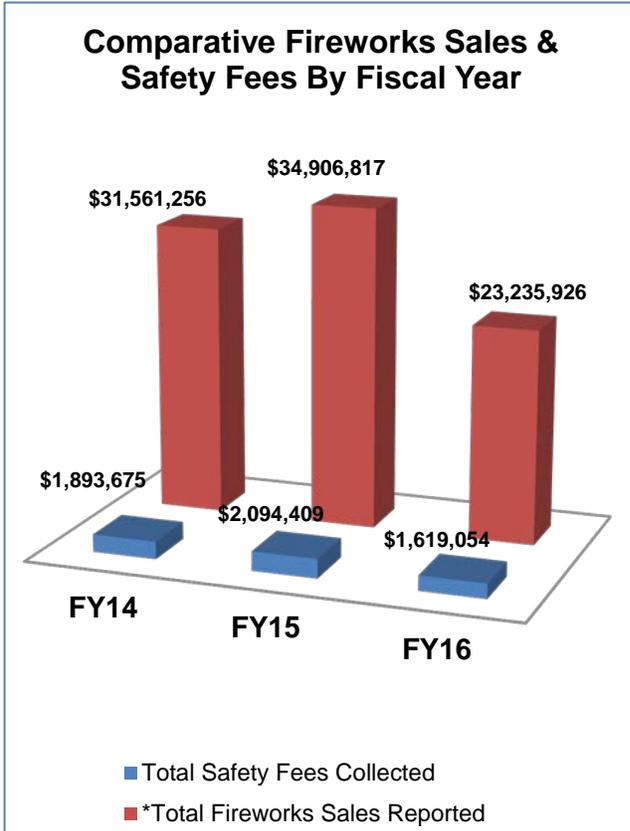
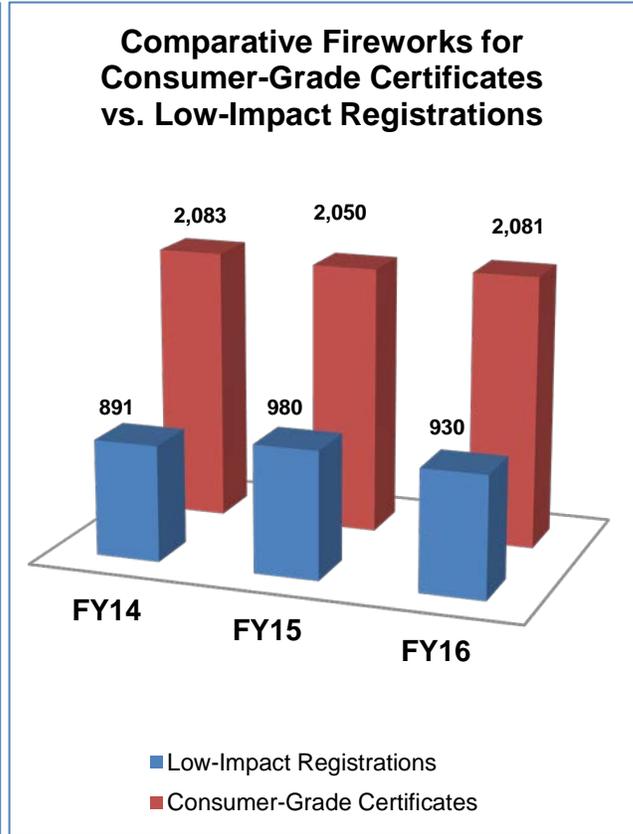
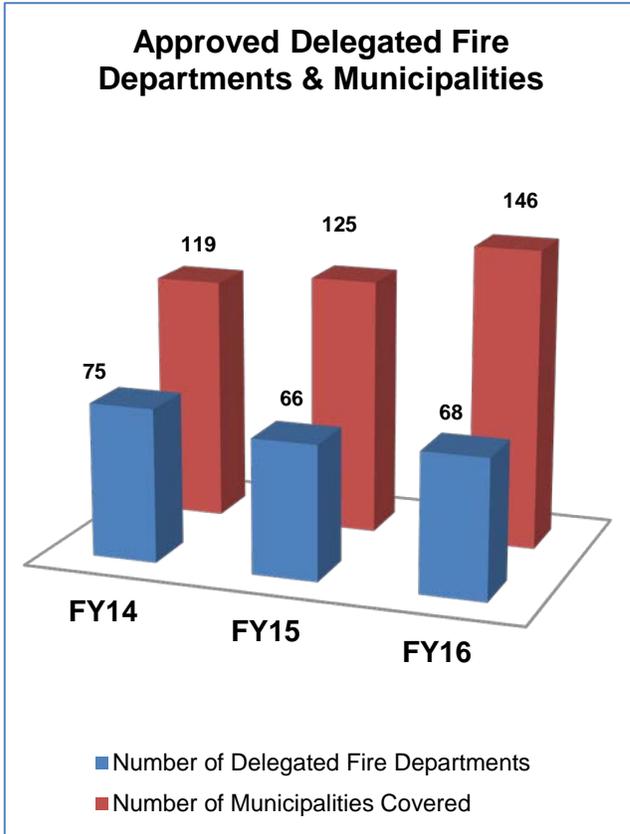
Pursuant to PA 256 of 2011, [MCL 28.461, Section 11\(5\)](#) and [MCL 28.469, Section 19](#) allows for LARA to delegate inspection duties under this Act to 1 or more local units of government/governing body (city, village or township) to carry out inspections for approved fireworks facilities in their jurisdiction. For FY16, 68 departments elected to participate covering 146 local municipalities. This program has resulted in a timelier inspection process, as well as better enforcement capability by BFS.



The Michigan Fireworks Safety Act 256 of 2011 regulates the purchase, possession, sale and use of certain fireworks in the state. The Bureau's current staff administers the provisions of this law. The Michigan Fireworks Safety Act through the Fireworks Safety Fund now provides a funding source for fire fighter training in the state which previously was legislatively supported but never funded. Prior to 2011 there was minimal funding available to the 83 counties to deliver training to firefighters. Currently there is \$1 million dollars allocated for disbursement to the 83 counties according to the formula in PA 291 of 1966, [MCL 29.374, Section 14\(2\)](#). State-funded training dollars are moving directly to local fire departments and helping to alleviate their financial shortcomings for training operations. Funds will be distributed under the policies and procedures of the BFS and the Michigan Fire Fighters Training Council (FFTC).



# Fireworks Program



\*The sales amounts are an estimate based on actual revenue transactions posted to the State accounting system and does not reflect additional sales where the permanent sites may keep 1% of the sales fee for processing efforts.

# National Fire Incident Reporting System



Pursuant to the Fire Prevention Code, [PA 207 of 1941](#), [MCL 29.4](#) and [MCL 29.5g](#) require the chief of each organized fire department in Michigan to file a complete incident report with the BFS. The BFS requires the use of National Fire Incident Reporting System (NFIRS).

To understand the cause of fires in Michigan, develop new strategies to combat fire issues and fire prevention, it is important to have complete, reliable data for all fire incidents in Michigan.

Through the provision of an automated reporting system, the state fire marshal, the BFS, and local fire departments are able to ensure accurate data and documentation of fire department fire activities. However, the data obtained is only as accurate as what the local fire departments report.

Out of the 1,074 departments in the state 773 (76 percent) reported their fire data into the NFIRS system. BFS is continually working to assist fire departments to report their data on all fires, hazardous materials incidents, civilian injuries and deaths, fire service staff injuries and deaths associated with fire, whether during a response or not.

## 2016 STATISTICS

**\$427,617,249 Property and content loss**

**1,169 Arson fires**

**5,438 Suspicious fires**

**2,343 Cooking fires**

**403 Heating fires**

**10,011 Structure fires**

**4,155 Other/outside**

**7,472 Mobile fires**

## FY16 Top Six Areas of Origin in Residential Fires

**Kitchen:** 1,369 fires, 8 deaths, 66 injuries  
**Living Room:** 508 fires, 20 deaths, 38 injuries  
**Bedroom:** 390 fires, 7 deaths, 50 injuries  
**Garage:** 457 fires, 0 deaths, 22 injuries  
**Laundry Area:** 287 fires, 0 deaths, 8 injuries  
**Basement:** 179 fires, 8 deaths, 2 injuries



# National Fire Incident Reporting System

## FY16 Arson/Suspicious Fires by County

As reported by Michigan fire departments participating in the fire incident reporting system (NFIRS).

**Please Note:** Counts do not include mutual aid or exposures.

County	*Total All Fires	Property/Contents \$ Loss for All Fires	Arson Fires	Suspicious Fires	% Determined Arson/Suspicious	Total \$ Loss Arson/Suspicious	% of \$ Loss Arson/Suspicious	Arson/Suspicious Civilian Deaths	Arson/Suspicious Civilian Injuries
01-Alcona	9	\$ 410,000	1	2	34%	\$ 105,000	26%	0	0
02-Alger	20	\$ 844,100	2	0	10%	\$ -	0%	0	0
03-Allegan	163	\$ 2,171,600	7	40	29%	\$ 1,089,900	51%	0	0
04-Alpena	75	\$ 503,900	5	8	18%	\$ 264,000	53%	0	0
05-Antrim	50	\$ 3,421,250	2	6	16%	\$ 152,300	5%	0	0
06-Arenac	46	\$ 564,200	0	7	16%	\$ 124,700	23%	0	0
07-Baraga	46	\$ 564,200	2	0	5%	\$ -	0%	0	0
08-Barry	99	\$ 3,804,828	6	21	28%	\$ 3,069,300	81%	1	1
09-Bay	229	\$ 2,660,905	12	43	19%	\$ 1,977,680	75%	0	0
10-Benzie	37	\$ 427,400	2	4	17%	\$ 372,400	88%	0	0
11-Berrien	256	\$ 3,439,800	17	53	28%	\$ 1,239,750	36%	2	1
12-Branch	174	\$ 1,543,993	10	18	16%	\$ 428,959	28%	0	0
13-Calhoun	422	\$ 1,877,350	28	88	28%	\$ 507,750	27%	4	3
14-Cass	146	\$ 1,572,240	7	25	22%	\$ 710,200	46%	0	1
15-Charlevoix	41	\$ 2,084,300	1	9	25%	\$ 425,300	27%	0	0
16-Cheboygan	22	\$ 623,960	0	2	9%	\$ 145,000	24%	0	0
17-Chippewa	86	\$ 626,414	1	11	14%	\$ 12,100	2%	1	2
18-Clare	92	\$ 1,441,700	4	39	58%	\$ 1,149,900	80%	0	0
19-Clinton	132	\$ 2,004,402	8	18	20%	\$ 520,200	26%	0	0
20-Crawford	143	\$ 423,100	1	5	5%	\$ 275,000	65%	0	0
21-Delta	68	\$ 518,900	0	11	17%	\$ 45,000	9%	0	0
22-Dickinson	35	\$ 273,931	7	5	35%	\$ 180,000	66%	0	0
23-Eaton	249	\$ 2,576,451	11	52	26%	\$ 808,587	32%	1	0
24-Emmet	60	\$ 1,591,100	2	12	24%	\$ 58,700	4%	0	0
25-Genesee	1,426	\$ 28,561,458	155	479	45%	\$ 14,900,013	53%	11	18
26-Gladwin	70	\$ 2,583,646	6	13	28%	\$ 32,800	2%	0	0
27-Gogebic	20	\$ 12,300	0	2	10%	\$ 6,100	50%	0	0
28-Grand Traverse	179	\$ 5,310,001	3	47	28%	\$ 1,490,501	28%	1	0
29-Gratiot	62	\$ 1,715,000	5	17	36%	\$ 1,700,000	100%	1	0
30-Hillsdale	66	\$ 528,434	4	19	35%	\$ 277,327	53%	0	0
31-Houghton	36	\$ 907,800	0	6	17%	\$ 420,000	47%	0	1
32-Huron	45	\$ 2,388,700	2	6	18%	\$ 2,289,000	96%	0	0
33-Ingham	474	\$ 3,355,130	8	67	16%	\$ 1,535,505	46%	0	3
34-Ionia	122	\$ 1,434,730	9	20	24%	\$ 490,815	35%	1	0
35-Iosco	93	\$ 1,576,500	5	13	20%	\$ 609,000	39%	0	0
36-Iron	15	\$ 176,800	0	1	7%	\$ 8,800	5%	0	0
37-Isabella	155	\$ 2,353,558	32	49	53%	\$ 1,545,937	66%	0	0
38-Jackson	274	\$ 1,693,745	18	53	26%	\$ 891,450	53%	1	3
39-Kalamazoo	576	\$ 6,066,293	25	142	29%	\$ 4,254,632	71%	0	4
40-Kalkaska	47	\$ 42,000	3	10	28%	\$ 22,000	53%	0	0
41-Kent	1,436	\$ 20,023,486	66	241	22%	\$ 7,145,888	36%	2	9
42-Keweenaw	4	\$ -	0	0	0%	\$ -	0%	0	0

# National Fire Incident Reporting System

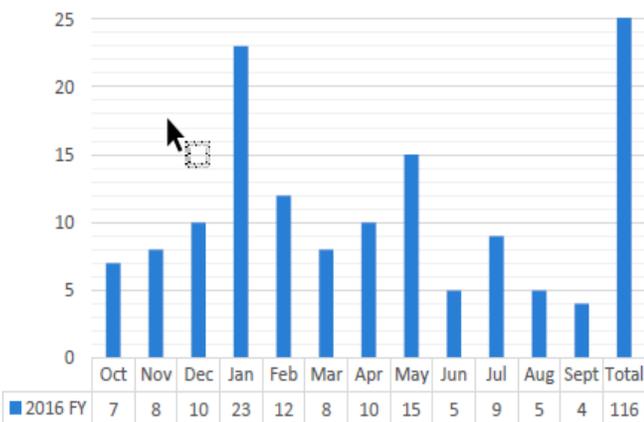
County	*Total All Fires	Property/Contents \$ Loss for All Fires	Arson Fires	Suspicious Fires	% Determined Arson/Suspicious	Total \$ Loss Arson/Suspicious	% of \$ Loss Arson/Suspicious Arson/Suspicious	Arson/Suspicious Civilian Deaths	Arson/Suspicious Civilian Injuries
43-Lake	24	\$ 21,800	1	6	30%	\$ 20,000	92%	0	0
44-Lapeer	164	\$ 4,679,450	1	42	27%	\$ 2,831,550	61%	1	0
45-Leelanau	30	\$ 74,396	0	1	4%	\$ -	0%	0	0
46-Lenawee	312	\$ 4,664,841	11	56	22%	\$ 2,595,451	56%	0	1
47-Livingston	280	\$ 3,973,397	6	60	24%	\$ 1,075,209	27%	1	0
48-Luce	0	\$ -	0	0	0%	\$ -	0%	0	0
49-Mackinac	7	\$ 46,000	0	1	15%	\$ -	0%	0	0
50-Macomb	1,601	\$ 22,078,451	50	305	23%	\$ 12,546,329	57%	4	16
51-Manistee	45	\$ 537,700	6	11	38%	\$ 231,950	44%	0	0
52-Marquette	138	\$ 1,335,100	8	25	24%	\$ 625,300	47%	0	0
53-Mason	63	\$ 845,700	5	5	16%	\$ 354,200	42%	0	0
54-Mecosta	98	\$ 544,050	10	29	40%	\$ 171,000	32%	0	0
55-Menominee	40	\$ 350,100	2	0	5%	\$ -	0%	0	0
56-Midland	157	\$ 1,983,976	7	29	23%	\$ 587,100	30%	1	0
57-Missaukee	26	\$ 594,750	1	1	8%	\$ -	0%	0	0
58-Monroe	260	\$ 3,232,265	5	62	26%	\$ 1,466,015	46%	0	0
59-Montcalm	159	\$ 7,781,700	5	24	19%	\$ 644,100	9%	0	0
60-Montmorency	13	\$ -	0	2	16%	\$ -	0%	0	0
61-Muskegon	432	\$ 3,836,626	23	88	26%	\$ 2,130,991	56%	1	1
62-Newaygo	54	\$ 764,304	8	8	30%	\$ 284,004	38%	0	0
63-Oakland	2,088	\$ 35,834,181	64	375	21%	\$ 20,103,108	57%	5	10
64-Oceana	68	\$ 161,750	3	7	15%	\$ 2,000	2%	0	0
65-Ogemaw	28	\$ 334,200	1	4	18%	\$ 39,000	12%	0	0
66-Ontonagon	7	\$ 37,200	0	1	15%	\$ 16,000	43%	0	0
67-Osceola	34	\$ 1,500	3	13	47%	\$ 1,500	100%	0	0
68-Oscoda	26	\$ 400,000	0	0	0%	\$ -	0%	0	0
69-Otsego	43	\$ 344,000	2	8	24%	\$ 151,000	44%	1	0
70-Ottawa	353	\$ 4,162,037	18	61	23%	\$ 1,862,747	45%	2	2
71-Presque Isle	38	\$ 622,850	0	8	21%	\$ 136,000	22%	0	0
72-Roscommon	48	\$ 313,005	2	7	19%	\$ 21,500	7%	0	0
73-Saginaw	779	\$ 5,543,334	63	144	27%	\$ 2,016,564	37%	1	2
74-St Clair	361	\$ 2,034,406	25	77	29%	\$ 1,182,509	59%	0	2
75-St Joseph	28	\$ 180,500	1	5	22%	\$ 47,500	27%	0	0
76-Sanilac	38	\$ 520,600	0	0	0%	\$ 360,000	70%	0	0
77-Schoolcraft	18	\$ 41,000	1	3	23%	\$ 40,000	98%	0	3
78-Shiawassee	82	\$ 1,858,500	3	19	27%	\$ 1,586,000	86%	0	2
79-Tuscola	138	\$ 1,569,450	9	25	25%	\$ 628,600	40%	1	1
80-Van Buren	183	\$ 1,736,020	4	24	16%	\$ 711,125	41%	0	0
81-Washtenaw	549	\$ 8,651,077	25	112	25%	\$ 111,730	2%	0	0
82-Wayne	5,569	\$ 181,136,971	314	2,106	44%	\$ 55,062,105	31%	26	81
83-Wexford	109	\$ 1,080,473	5	20	23%	\$ 599,001	56%	0	0
Totals	22,290	\$ 418,607,265	1,169	5,438	30%	\$ 161,522,682	39%	70	167
					(State Average)		(State Average)		

# National Fire Incident Reporting System

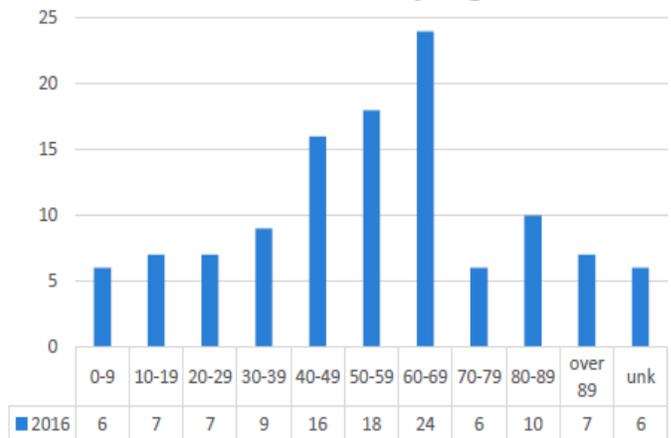
## 2016 FY Michigan Civilian Fatal Fires

	Total Fire Deaths					Residential Smoke Alarm Use in Fatal Fires					
		Commercial	Vehicle	Other or Unknown	Residential	Number of Residential Fires	No Alarms or Unknown	Alarm Present	Alarm Did Not Alert	Alarm Alerted	Alarm Operation Unknown
October	7	0	0	0	7	7	6	1	0	0	6
November	8	0	0	0	8	8	7	2	1	1	7
December	10	0	1	0	9	9	8	1	0	1	8
January	23	0	1	0	22	22	19	3	3	0	19
February	12	0	2	0	10	10	8	2	1	1	8
March	8	0	2	0	6	6	6	0	0	0	6
April	10	0	2	1	7	7	4	3	2	3	4
May	15	0	4	0	11	11	8	3	2	1	8
June	5	1	0	0	4	4	4	0	0	0	4
July	9	0	4	0	5	5	4	1	1	0	4
August	5	0	0	0	5	5	3	2	2	0	3
September	4	0	1	0	3	3	3	0	0	0	3
<b>Totals **</b>	<b>116</b>	<b>1</b>	<b>16</b>	<b>1</b>	<b>97</b>	<b>97</b>	<b>80</b>	<b>18</b>	<b>12</b>	<b>7</b>	<b>80</b>

### Fire Deaths by Month



### Fire Deaths by Age



As reported by Michigan Fire Departments, received through March 2017. Compiled by the Bureau of Fire Services \*\*Incomplete pending receipt of outstanding fatal reports

# Fire Fighter Training Division

The Fire Fighter Training Division (FFTD) serves the training needs of the state's 1,074 fire departments and 32,975 fire fighters. They are split into two categories: paid career (7,855), part-paid/non-paid volunteer (25,120).



## RESPONSIBILITIES OF THE FFTD

To prepare and publish standards with due consideration to varying factors and special requirements of organized fire departments in the following areas:

- Prepare and publish training standards
- Establish instructor qualifications and certification
- Establish courses of study
- Evaluate qualifications and certify instructors
- Develop and administer certification examinations for new fire fighters
- Develop/provide electronic forms of video display to assist in the training of fire fighters
- Establish regional training centers to assist with fire fighter training
- Cooperate with state, federal and local agencies for training of fire fighters
- Issue certificates of training and maintain individual training records

## SERVICES PROVIDED BY FFTD

**Mandatory Fire Fighter Testing:** [PA 291 of 1966](#), as amended, requires new fire fighters to pass a certification exam. An exam is administered at the conclusion of each Fire Fighter I & II program. The council, upon the request of an organized fire department, shall administer the examination in each county at least once every year.

**Curricula:** The FFTD maintains a menu of more than 50 courses ranging from basic fire fighter training to administrative level courses for fire officers. If courses meeting Michigan's needs are available commercially or from the National Fire Academy, they are given first consideration.

**Driver Training:** Pursuant to the Michigan Vehicle Code, [PA 300 of 1949](#), [MCL 257.312\(e\) \(11\)](#), exempts a fire fighter operating an authorized emergency vehicle who has met the driver training standards published under PA 291 of 1966 Fire Fighters Training Council Act, MCL 29.361 to 29.377. This is of significant benefit to all fire departments.

**Certified Instructors:** The FFTD certifies and maintains a list of approximately 1,500 instructors who are authorized to instruct FFTD courses. They contract with the county training committees, regional training centers and individual fire departments. There are certified instructors in every county in the state to accommodate delivery of training.

**Instructor Liability:** Public Act 456 of 1988 grants immunity to FFTD certified, approved and contracted instructors for tort damages caused by ordinary instructor negligence. This vital component of the fire training system is reliant upon the participation of the FFTD.

**Allocation of County Training Funds:** Pursuant to PA 291 of 1966, [MCL 29.374\(2\)](#); at the beginning of the state's fiscal year, each county training committee is notified of their annual training allocation based on their 70 percent of county population and 30 percent of square miles within the county.

**Record Keeping:** Certificates of training and state certification for fire fighters and fire service instructors are issued upon successful completion of the requirements established by the FFTD. Since October 1, 1966 an electronic record has been maintained of all training an individual receives through the FFTD. Prior to that time, only records of Fire Fighter I & II, Driver Training and Fire Officer I, II and III certifications were maintained physically.



# Fire Fighter Training Division

## HOW PROGRAMS AND SERVICES ARE DELIVERED

The state fire marshal is responsible for statewide implementation and administration of the Fire Fighters Training Council Act, [PA 291 of 1966](#), MCL 29.369, Section 9(1), as amended. This position is also responsible for program administration, personnel management, fund disbursement, complaint investigations and represents the BFS at various meetings and functions.

**Curriculum Specialist (VACANT):** This position is responsible for curriculum services and has the following responsibilities:

- Directs evaluation, implementation and maintenance of curricula
- Directs evaluation, implementation and maintenance of testing
- Directs development/procurement and distribution of training materials
- Directs field administration of FFTD programs and services
- Directs management of the FFTD's records database
- Conducts train-the-trainer programs for instructors
- Serves as liaison to National Fire Academy
- Grant writing

**Region Coordinators:** The FFTD divided the state into two regions and has a region coordinator overseeing those assigned regions. Region 1 consists of 55 counties and is based in Escanaba; Region 2 has 28 counties and is based in Lansing. Each region coordinator has the following responsibilities:

- Oversees the evaluation of instructors and training classes
- Recommends the establishment of training classes
- Approves contracts for funded classes
- Oversees administration of fire fighter certification examinations
- Provides technical direction and assistance regarding training, testing and certification
- Assists with train-the-trainer programs
- Assists with curriculum development
- Assists with development and revision of policies and procedures



**Training Coordinators (TC):** The FFTD has 19 TC (*contract employees*), each assigned to a region, to assist with regional delivery of programs and services. Contract TCs must be a FFTD-certified instructor with a minimum of 10 years fire service experience preferred. TCs receive an hourly rate of pay. They receive all work assignments from the region coordinator. Each TC has the following responsibilities:

- Provides assistance regarding training, testing and certification.
- Evaluates instructors and classes.
- Proctors fire fighter and fire service instructor certification exams.

**County Training Committees (CTC):** The FFTD oversees CTCs in each of the 83 counties to assist with the delivery of training. CTC's are structured to represent the fire departments and fire service organizations within the county. The CTCs are of critical importance to BFS. Each CTC provides the following services:

- Surveys county training needs
- Schedules and coordinates training
- Authorizes expenditure of FFTD allocated county training funds
- Disseminates training information

**Regional Training Centers:** There are 12 colleges and three municipal owned regional training facilities that are FFTD approved. They deliver training to meet the needs of individuals, local fire departments and county training committees. They are:

Kirtland Community College	Muskegon Community College
Delta Community College	Northwest Regional Training Center
Kalamazoo Valley Community College	Oakland Community College
Lake Superior State University	St. Clair County Community College
Macomb Community College	Schoolcraft Community College
Baker College of Jackson	Wayne County Community College
Lansing Community College	Detroit Fire Training Academy
Grand Rapids Fire Academy	

## GRANTS

The FFTD applies for grants for the training needs of firefighters as they become available.

**Hazardous Materials Emergency Preparedness Grant:** This funding comes from a Hazardous Materials Emergency Preparedness Department of Transportation grant to provide hazardous materials training to firefighters. This funding is to be used for hazardous materials operations and/or NIMS ICS for the fire service courses only. The FFTD is a sub-grantee for this Department of Transportation grant.

**DHS/NFA State Training Grant Assistance:** This funding may ONLY be used for state/local partner sponsored 2-day, 6-day and 10-day off campus courses and state fire training office approved courses.

**Assistance to Firefighters Grant (AFG):** This funding may ONLY be used for state/local partner sponsored 2-day, 6-day and 10-day off campus courses and state fire training office approved courses.

The fire service consists of 1,074 fire departments throughout the state of Michigan which are staffed by either volunteer-part paid or non-paid and career. The situation is further exacerbated due to the large turnover with this group, placing additional demand on state and local resources.



### FY16 Training Summary:

- 2,091 new fire fighters tested and certified
- 1,043 training courses administered
- 15,346 students successfully completed courses

## Michigan Fire Fighters Training Council

The Michigan Fire Fighters Training Council (MFFTC) was established by Public Act 291 of 1966. The governor appoints six of the seven Council members and the state fire marshal is an ex-officio member. Council members represent the following organizations:

NAME	TERM	ORGANIZATION
Brian Blomstrom	12/31/18	Michigan Fire Service Instructors Association
Timothy James, Chair	12/31/18	Michigan Association of Fire Chiefs
Chad Tackett	12/31/18	Michigan Association of Fire Chiefs
Joel Hondorp	12/31/18	Michigan Municipal League & Michigan Townships
Aileen Pettinger	12/31/18	Michigan Professional Fire Fighters Union
Terrence Blackmer	12/31/18	Michigan State Fireman's Association
Julie Secontine	Pleasure of Governor	State Fire Marshal, Ex-Officio

# Fire Fighter Training Division

**Certified Fire Inspector Program:** This certification program utilizes the [National Fire Protection Association \(NFPA\)](#) Fire Inspector I certification process to certify fire inspectors in Michigan. The program is based on the job performance requirements of NFPA 1031. Applicable sections were utilized in the development of section 6, Continuing Education.

**Certification Requirements:** State-certified fire inspectors (SCFI) must earn a minimum of 10 continuing education points per year and a total of 60 points during the three-year recertification period. Inspectors entering the cycle at a point less than three years will be prorated in accordance with the existing certification cycle. Continuing education points may be obtained by participating in approved educational activities, where the primary objective is to increase the professional competence of fire inspectors. The activity must be an organized activity directly related to the practice of fire and life safety or the duties of a fire inspector. Continuing education points are earned by one hour spent in training toward continuing education requirements, excluding time spent for lunches, breaks, or other non-training functions.

BFS continues to work very closely with the Michigan fire service to update fire inspectors on pertinent issues relative to fire and life safety.

To qualify for certification as a certified fire inspector, an applicant shall have met all of the following requirements pursuant to the [Fire Inspector Certification Administrative Rules, R29.502](#):

- Be at least 18 years of age or older.
- Have graduated from an accredited high school or have received a general education development test certificate from the Department of Education.
- Be able to read and write in English.
- Be of good moral character. For purposes of this rule, a conviction of a misdemeanor or felony, which involves theft, dishonesty or false statement, shall be considered an indication that a person is not likely to serve in a fair, honest and open manner.
- Have not been convicted of any misdemeanor or felony reasonably related to, the person's ability to perform as a fire inspector.
- Achieve a score of 75 percent or better on each examination described in R29.503.
- Maintain employment by a governmental agency as a fire inspector supervisor, or a fire inspector conducting fire inspections for not less than four hours per week.

- Hold an NFPA fire inspector I certification, or the equivalent, as determined by the Bureau of Fire Services in consultation with the State Fire Safety Board.

This program is designed to certify those individuals who wish to obtain state certification as a fire inspector and/or obtain delegation of authority to conduct fire safety inspections on behalf of the state fire marshal in state-regulated facilities pursuant to [Public Act 207 of 1941](#), as amended, the Michigan Fire Prevention Code. This program does not prohibit a city, village or township from employing persons who are not state certified as fire inspectors to conduct fire inspections under the locally adopted fire code.

**Certified Fire Inspector (CFI) Training Program:** The CFI training program provides extensive fire code enforcement training for Michigan fire inspectors. Certified fire inspectors are required to be recertified every three years. The section is responsible for coordination, in conjunction with an external committee of nationally recognized fire inspectors, of a certified fire inspectors training program developed by the NFPA. The section is also responsible for maintaining records and approving courses for fire inspector recertification.



# Storage Tank Division

During FY16, the Storage Tank Division implemented changes to policies, procedures and enforcement for Bureau efficiencies and to create a customer friendly environment. Some of the recent changes include:

- Sending owner/operators pre-inspection notification noting items to have during inspection process.
- Continue to provide training for staff for effective enforcement processes.
- Continue to red-tag facilities for failure to meet the statutory requirements.
- Schedule stakeholder meetings as necessary.
- Priority list for inspectors to improve efficiency.
- The backlog of re-inspections has been nullified.

In FY16 there were:

6,785 UST facilities, 17,768 tanks  
3,783 AST facilities, 7,304 tanks

With all these new processes and procedures in place, the Bureau can ensure inspections are statutorily met while still maintaining the visions and goals of the Bureau.

## Michigan Storage Tank Rules



The Storage Tank Division enforces five different administrative rules. The following UST/AST systems that require plan reviews and inspections are:

- Regulates underground storage tanks
- Gas stations
- Trucking companies
- Generator tanks
- Any petroleum or hazardous substance tank more than 110 gallons (Note: Farm or residential tanks below 1,100 gallons are exempt)



### **FL/CL Rules (NFPA 30, 30a, 31, 37) Flammable and Combustible Liquids**

Regulates the installation of new aboveground storage tank (AST) systems containing petroleum and other substances with a flash point less than 200 degrees Fahrenheit and also maintains the certification of new and existing ASTs, containing a liquid with a flash point less than 200 degrees Fahrenheit.



### **CNG Rules (NFPA 52) Compressed Natural Gas**

Regulates the installation of new Compressed Natural Gas (CNG) Vehicular Fuel Systems. The BFS-STD also maintains the certification of all CNG systems that operate in this state.



### **LPG Rules (NFPA 58) Liquefied Petroleum Gas**

Liquefied Petroleum Gas containers (tanks) with a capacity of more than 2,000 gallons or has two or more tanks with an aggregate capacity of 4,000 gallons. LPG Container filling locations regardless of size.



### **Hydrogen Rules (NFPA 50A 50B) Liquefied Hydrogen and Gaseous Hydrogen**

Liquefied Hydrogen; regulates all containers regardless of size. Hydrogen; the container must have a content larger than 400 square cubic feet.

# Storage Tank Division

Field inspectors inspect the above facilities triennially. The inspectors conduct triennial inspections for approximately 2,843 UST facilities and 1,750 AST facilities annually with a total of 10,043 onsite inspections each year including re-inspections. There are currently 17 inspectors in the division. The Storage Tank Division's seven centralized Lansing staff responsibilities include:

- Review of Financial Responsibility documents required by owners/operators.
- Processing thousands of registration forms.
- Reviewing approximately 393 plan reviews.
- Reviewing approximately 126 site assessments.
- Processing thousands of requests made through the Freedom of Information Act (FOIA).
- Processing product review and approval.
- Processing variance requests to rules.

FY16 Triennial Inspection Statistics	
Total Number of Underground Storage Tank Inspections	2,843
Total Number of Aboveground Storage Tank Inspections	1,750
Total Number of Onsite and Re-inspections	10,043

## Inspections for Aboveground (AST) and Underground (UST) Storage Tank Facilities

Inspection Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
A Closure Inspection	13	10	7	6	3	8	8	7	10	5	14	7	98
A Confirmed Release Investigation	0	1	0	2	0	0	2	0	0	0	0	1	6
A Final Installation Inspection	49	40	35	28	19	25	19	23	50	28	39	28	383
A Piping Installation Inspection	21	17	16	6	9	11	15	16	19	17	24	21	192
A Records Investigation	49	31	40	33	26	26	26	25	20	27	33	26	362
A Records Request	8	9	5	4	3	0	1	2	9	8	4	5	58
A Reinspection	373	251	295	332	310	309	273	326	308	301	330	242	3,650
A Site Inspection	34	19	23	17	13	35	35	25	34	14	50	49	348
A Site Investigation	71	22	32	36	52	73	69	57	62	34	35	46	589
A Suspected Release Investigation	0	0	0	1	0	1	4	0	0	0	0	0	6
A Tank Installation Inspection	18	11	6	4	4	5	10	11	13	10	23	10	125
A Triennial Inspection	129	151	190	175	211	152	82	84	121	160	182	113	1,750
An Abandoned Facility Inspection	0	0	0	0	0	3	0	0	2	0	1	0	6
An Existing Facility Inspection	230	151	175	194	180	287	292	323	313	250	228	220	2,843
An Inspection Against a Complaint	2	3	6	5	4	4	3	3	7	0	4	6	47
<b>Total</b>	<b>997</b>	<b>716</b>	<b>830</b>	<b>843</b>	<b>834</b>	<b>939</b>	<b>839</b>	<b>902</b>	<b>968</b>	<b>854</b>	<b>967</b>	<b>774</b>	<b>10,463</b>

# Storage Tank Division

## 627 Program

By Executive Order 3012-14 the 627 Program was transferred from the Department of Environmental Quality to LARA, BFS effective December 3, 2012, which is an unfunded statutory mandate. Please note: The requirements of the program did not change with this move.

The U.S. Environmental Protection Agency (US EPA) requires that all delivery vessels transporting gasoline be [tested yearly](#) per the EPA Method 27 for both pressure and vacuum leaks. This is required to help reduce the release of volatile organic compounds that cause air pollution. The requirement for this testing can be found in Act 451 of 1994, Part 55 which requires that all delivery vessels perform a pressure/vacuum test annually. The administration of Rule 336. 1,627, delivery vessels, specifically the acceptance and verification of documentation requirements described in US EPA Method 27 is performed by the Storage Tank Division.

The Storage Tank Division maintains the list of [approved tank trucks](#) on the Bureau website. This [list](#) shows tank truck test results received and approved over the past year. The list is sorted by tank owner and is updated on a regular basis. If a tank truck is not on this list, they are not allowed to receive or transport fuels in Michigan.



## Reporting and Notification Requirements of Hazardous Material Incidents

Per the [Michigan Fire Prevention Code, Public Act 207 of 1941 \(PA 207\), Section 29.5g](#), incidents such as a fire, explosion, spill, leak, accident or related occurrence involving the transportation, storage, handling, sale, use or processing of hazardous material(s) by a firm, person or vehicle shall be reported immediately to the BFS.

After notification is made, pursuant to [PA 207, Section 29.5h](#), BFS will work with the organized local fire, responsible federal, state and local authorities and by a person other than the firm or vehicle involved in the incident. An investigation shall also be conducted to determine the cause and contributing report the findings which will be documented and kept on record at BFS.

# Storage Tank Division

Department of Licensing and Regulatory Affairs

## Bureau of Fire Services

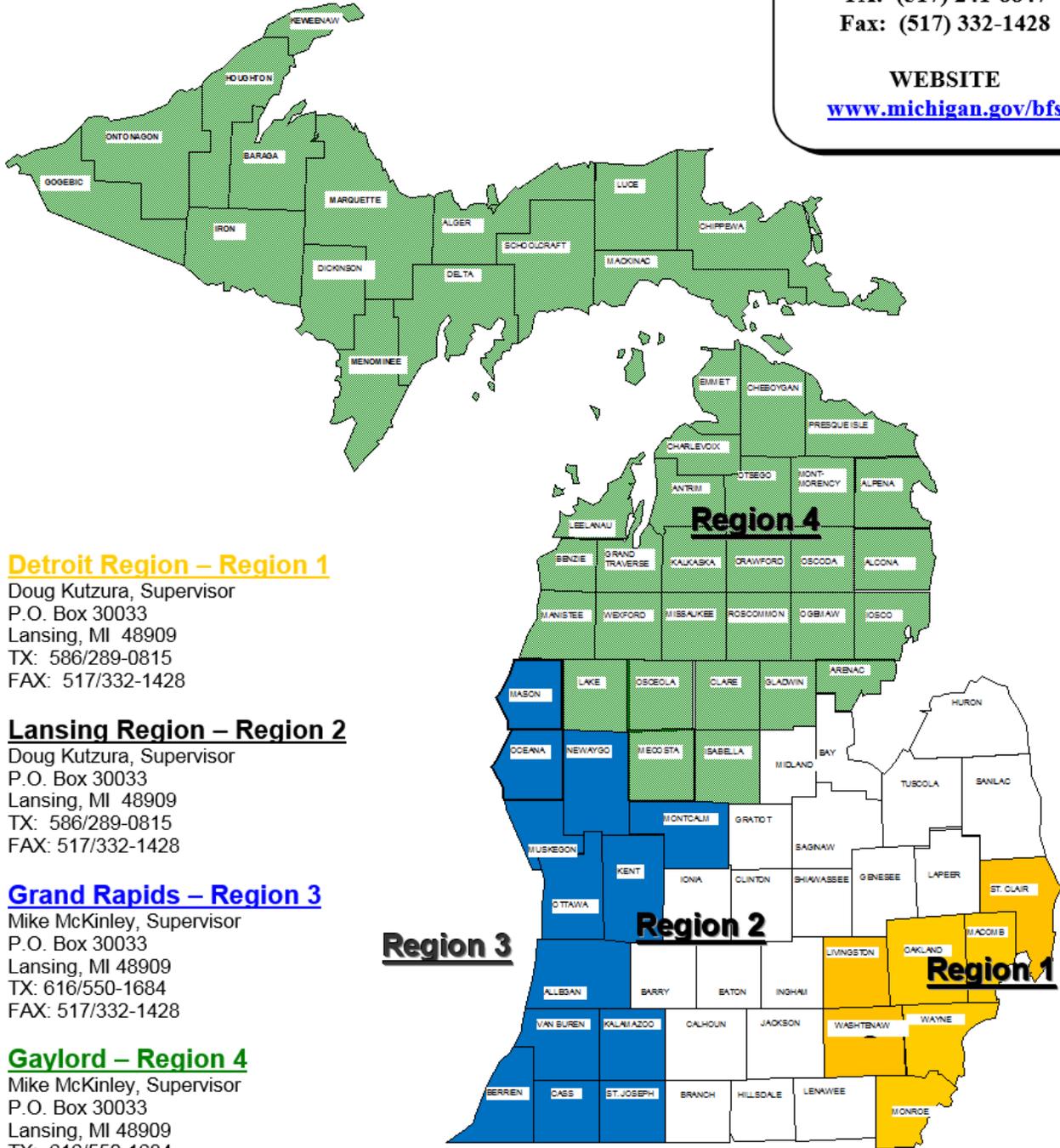
Storage Tank Division

Inspection Regions

3101 Technology Blvd.  
Suite H  
Lansing, MI 48909  
TX: (517) 241-8847  
Fax: (517) 332-1428

WEBSITE

[www.michigan.gov/bfs](http://www.michigan.gov/bfs)



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TX: 586/289-0815  
FAX: 517/332-1428

### Lansing Region – Region 2

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Lansing, MI 48909  
TX: 586/289-0815  
FAX: 517/332-1428

### Grand Rapids – Region 3

Mike McKinley, Supervisor  
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Lansing, MI 48909  
TX: 616/550-1684  
FAX: 517/332-1428

### Gaylord – Region 4

Mike McKinley, Supervisor  
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Lansing, MI 48909  
TX: 616/550-1684  
FAX: 517/332-1428

# Michigan Fire Organizations

[Michigan Citizen-Community Emergency Response Coordinating Council](#)

Commission Eastern Upper Peninsula Fire Association

International Association of Arson Investigators

[Michigan Chapter of the International Association of Arson Investigators](#)

[Michigan Association of Fire Fighters](#)

International Association of Special Investigative Units International Fire Service Training

[Michigan Arson Prevention Committee](#)

[Michigan Association of Fire Chiefs](#)

[Michigan Fire Service Instructors Association](#)

[Michigan Fire Inspectors Society](#)

Michigan Fire Safe Foundation

Michigan Homeland Protection Board

Michigan Homeland Protection Advisory Council

[Michigan Interagency Wildland Fire Protection Association](#)

Michigan Joint Fire Service Council

[Michigan Professional Firefighters Union](#)

[Michigan State Firemen's Association](#)

[National Fire Protection Association](#)

[National Association of State Fire Marshals](#)

[Northern Michigan Association of Fire Chiefs](#)

[Public Safety Communications Interoperability Board](#)

[Upper Peninsula Fire Chiefs Association](#)

Upper Peninsula Volunteer Firemen's Association

[Michigan Propane Gas Association \(MPGA\)](#)

[Michigan Petroleum Association \(MPA\)](#)

[Michigan Manufacturers Association](#)

[American Petroleum Institute \(API\)](#)

[Michigan Chemistry Council \(MCC\)](#)

[Associated Food and Petroleum Dealers \(AFPD\)](#)

[Michigan Municipal League \(MML\)](#)

[Health Care Association of Michigan \(HCAM\)](#)

[Michigan Townships Association \(MTA\)](#)

Department of Licensing and Regulatory Affairs

**Bureau of Fire Services**

3101 Technology Boulevard, Suite H

Lansing, MI 48909

[www.michigan.gov/bfs](http://www.michigan.gov/bfs)

Attachment A

**Fireworks Safety Fund  
Allocations and Expenses for FY16**

County	Total Formula Allocation Amount	First FY16 County Allocation Amount	Unspent Funds from First Allocation	Second FY16 County Allocation Amount	Transfers	Invoices Paid (as of 9/30/2016)	Unspent Funds after Final Allocation
Alcona	\$4,332.66	\$5,000.00	\$1,000.00	\$58.50	(\$4,000.00)		\$58.50
Alger	\$5,531.19	\$5,510.14		\$64.47	(\$5,510.14)		\$64.47
Allegan	\$12,314.02	\$12,077.22		\$141.30	\$0.00	\$12,077.22	\$141.30
Alpena	\$5,104.87	\$5,088.90		\$59.54	\$7,000.00	\$7,450.00	\$4,698.44
Antrim	\$4,181.86	\$5,000.00		\$58.50	\$7,950.00	\$12,950.00	\$58.50
Arenac	\$3,023.29	\$5,000.00		\$58.50	(\$5,000.00)		\$58.50
Baraga	\$5,381.22	\$5,367.71		\$62.80	(\$687.71)	\$1,800.00	\$2,942.80
Barry	\$7,112.77	\$7,039.72		\$82.36	\$0.00	\$7,039.72	\$82.36
Bay	\$9,920.67	\$9,729.08		\$113.83	\$0.00	\$9,729.08	\$113.83
Benzie	\$2,933.33	\$5,000.00		\$58.50	(\$5,000.00)		\$58.50
Berrien	\$14,066.15	\$13,673.96		\$159.98	\$0.00	\$12,948.96	\$884.98
Branch	\$5,793.84	\$5,746.87		\$67.24	(\$5,746.87)		\$67.24
Calhoun	\$13,315.85	\$13,001.86		\$152.12	(\$1,824.28)	\$10,784.59	\$545.11
Cass	\$6,300.40	\$6,226.94		\$72.85	\$0.00	\$5,669.28	\$630.51
Charlevoix	\$4,052.24	\$5,000.00		\$58.50	(\$1,278.50)	\$3,780.00	(\$0.00)
Cheboygan	\$5,625.02	\$5,593.10	\$270.02	\$65.44	\$0.00	\$5,323.08	\$65.44
Chippewa	\$11,025.44	\$10,792.15		\$126.26	\$3,350.93	\$14,143.08	\$126.26
Clare	\$5,172.44	\$5,151.14		\$60.27	(\$5,151.14)		\$60.27
Clinton	\$8,388.27	\$8,311.33		\$97.24	\$0.00	\$8,311.33	\$97.24
Crawford	\$3,943.87	\$5,000.00		\$58.50	\$650.00	\$5,708.50	(\$0.00)
Delta	\$8,826.30	\$8,688.13		\$101.65	(\$764.05)	\$6,034.08	\$1,991.65
Dickinson	\$5,897.11	\$5,854.57		\$68.50	\$1,455.00	\$7,309.57	\$68.50
Eaton	\$10,701.74	\$10,512.41		\$122.99	\$0.00	\$10,512.41	\$122.99
Emmet	\$4,811.78	\$5,000.00		\$58.50	(\$5,000.00)	\$58.50	(\$0.00)
Genesee	\$33,014.08	\$31,772.61		\$371.72	\$1,824.28	\$33,968.61	\$0.00
Gladwin	\$4,467.42	\$5,000.00		\$58.50	(\$3,380.00)	\$1,620.00	\$58.50
Gogebic	\$6,985.67	\$6,902.02		\$80.75	\$707.06	\$3,636.00	\$4,053.83
Grand Traverse	\$8,775.23	\$8,692.72		\$101.70	\$1,750.00	\$10,442.72	\$101.70
Gratiot	\$5,995.45	\$5,949.91		\$69.61	(\$2,800.00)	\$3,149.91	\$69.61
Hillsdale	\$6,447.95	\$6,383.66		\$74.69	\$2,873.44	\$9,257.10	\$74.69
Houghton	\$7,940.93	\$7,812.82		\$91.41	\$5,687.71	\$13,500.53	\$91.41
Huron	\$6,733.57	\$6,652.69		\$77.83	\$0.00	\$6,652.69	\$77.83
Ingham	\$22,904.16	\$22,276.55		\$260.63	\$0.00	\$22,276.55	\$260.63

County	Total Formula Allocation Amount	First FY16 County Allocation Amount	Unspent Funds from First Allocation	Second FY16 County Allocation Amount	Transfers	Invoices Paid (as of 9/30/2016)	Unspent Funds after Final Allocation
Ionia	\$7,560.06	\$7,472.33		\$87.42	(\$163.40)	\$7,259.34	\$137.01
Iosco	\$4,709.51	\$5,000.00		\$58.50	\$8,545.00	\$13,545.00	\$58.50
Iron	\$7,008.35	\$6,930.89		\$81.09	\$0.00	\$3,242.25	\$3,769.73
Isabella	\$8,040.21	\$7,913.45		\$92.58	\$6,351.14	\$14,264.59	\$92.58
Jackson	\$15,077.18	\$14,708.26	\$115.18	\$172.08	\$0.00	\$14,593.08	\$172.08
Kalamazoo	\$21,011.13	\$20,564.80		\$240.60		\$21,045.40	(\$240.00)
Kalkaska	\$4,181.77	\$5,000.00		\$58.50	(\$5,000.00)		\$58.50
Kent	\$48,013.94	\$46,921.42		\$548.96	(\$211.42)	\$47,128.08	\$130.88
Keweenaw	\$3,022.75	\$5,000.00		\$58.50	(\$5,000.00)		\$58.50
Lake	\$3,824.87	\$5,000.00		\$58.50	\$358.19	\$5,300.00	\$116.69
Lapeer	\$9,656.81	\$9,497.98		\$111.12	\$0.00	\$9,609.10	\$0.00
Leelanau	\$3,372.45	\$5,000.00		\$58.50	\$2,000.00	\$7,000.00	\$58.50
Lenawee	\$10,988.09	\$10,779.83		\$126.12	\$0.00	\$10,779.83	\$126.12
Livingston	\$15,948.97	\$15,652.44		\$183.13	\$0.00	\$15,835.57	(\$0.00)
Luce	\$5,232.52	\$5,222.31		\$61.10	(\$5,222.31)		\$61.10
Mackinac	\$6,209.32	\$6,160.06		\$72.07	\$1,799.31	\$8,031.44	(\$0.00)
Macomb	\$62,559.63	\$60,938.65		\$712.95	\$0.00	\$61,651.60	\$0.00
Manistee	\$4,624.11	\$5,000.00		\$58.50	\$1,450.00	\$6,508.50	(\$0.00)
Marquette	\$14,405.03	\$14,049.77	\$124.48	\$164.38	\$3,097.79	\$17,023.08	\$164.38
Mason	\$4,658.17	\$5,000.00		\$58.50	\$0.00	\$5,000.00	\$58.50
Mecosta	\$6,013.29	\$5,959.16		\$69.72	\$0.00	\$5,959.16	\$69.72
Menominee	\$7,226.70	\$7,143.62		\$83.58	\$1,340.66	\$8,484.28	\$83.58
Midland	\$8,676.05	\$8,544.45		\$99.97	\$4,180.00	\$12,724.45	\$99.97
Missaukee	\$4,061.09	\$5,000.00		\$58.50	\$0.00	\$5,058.50	(\$0.00)
Monroe	\$13,613.25	\$13,247.40		\$154.99	\$0.00	\$13,402.39	(\$0.00)
Montcalm	\$8,211.82	\$8,092.47		\$94.68	\$3,420.00	\$11,512.47	\$94.68
Montmorency	\$3,571.77	\$5,000.00		\$58.50	(\$5,000.00)		\$58.50
Muskegon	\$14,702.39	\$14,398.26		\$168.45	\$1,091.55	\$15,298.26	\$360.00
Newaygo	\$7,711.65	\$7,613.74		\$89.08	(\$89.08)	\$7,613.74	(\$0.00)
Oakland	\$91,058.27	\$88,634.56		\$1,036.98	(\$540.00)	\$74,085.00	\$15,046.54
Oceana	\$4,580.52	\$5,000.00		\$58.50	(\$168.50)	\$4,890.00	(\$0.00)
Ogemaw	\$4,508.22	\$5,000.00		\$58.50	(\$5,000.00)		\$58.50
Ontonagon	\$7,411.70	\$7,318.93		\$85.63	(\$3,804.85)	\$2,916.00	\$683.71
Osceola	\$4,653.86	\$5,000.00		\$58.50	\$211.42	\$5,211.42	\$58.50
Oscoda	\$3,610.35	\$5,000.00	\$5,000.00	\$58.50	\$0.00		\$58.50
Otsego	\$4,433.72	\$5,000.00		\$58.50	\$2,000.00	\$7,000.00	\$58.50
Ottawa	\$22,049.05	\$21,663.87		\$253.46	\$0.00	\$21,917.33	(\$0.00)
Presque Isle	\$4,425.10	\$5,000.00	\$5,000.00	\$58.50	\$0.00		\$58.50
Roscommon	\$4,464.59	\$5,000.00		\$58.50	\$0.00	\$5,058.50	(\$0.00)

County	Total Formula Allocation Amount	First FY16 County Allocation Amount	Unspent Funds from First Allocation	Second FY16 County Allocation Amount	Transfers	Invoices Paid (as of 9/30/2016)	Unspent Funds after Final Allocation
Saginaw	\$18,294.02	\$17,679.51		\$206.84	\$0.00	\$17,679.51	\$206.84
Sanilac	\$8,101.15	\$7,956.60		\$93.09	\$0.00	\$7,956.60	\$93.09
Schoolcraft	\$6,806.23	\$6,734.55		\$78.79	\$4,933.53	\$11,668.08	\$78.79
Shiawassee	\$7,719.21	\$7,593.71		\$88.84	\$0.00	\$7,593.71	\$88.84
St. Clair	\$15,204.38	\$14,814.86	\$189.86	\$173.33	\$0.00	\$14,625.00	\$173.33
St. Joseph	\$6,962.11	\$6,898.44		\$80.71	\$2,873.43	\$9,771.87	\$80.71
Tuscola	\$8,132.97	\$7,989.37		\$93.47	\$0.00	\$7,989.37	\$93.47
Van Buren	\$8,567.40	\$8,433.83		\$98.67	\$0.00	\$8,433.83	\$98.67
Washtenaw	\$28,602.07	\$27,955.21		\$327.06	\$0.00	\$28,208.08	\$74.19
Wayne	\$130,194.00	\$124,410.83		\$1,455.55	\$0.00	\$87,876.89	\$37,989.49
Wexford	\$5,307.43	\$5,296.23		\$61.96	(\$558.19)	\$4,800.00	\$0.00
<b>TOTAL:</b>	<b>\$1,000,000.00</b>	<b>\$1,000,000.00</b>	<b>\$11,699.54</b>	<b>\$11,699.54</b>	<b>(\$0.00)</b>	<b>\$921,684.81</b>	<b>\$78,315.19</b>

Attachment B

Delegated Fire Department Payments for FY16

Delegated Department Name	Number of Payments	Total Amount Paid
Adrian Fire Department	3	\$1,260.00
Allen Park Fire Department	3	\$1,260.00
Allendale Charter Township Fire Department	2	\$840.00
Alpine Township Fire Department	4	\$2,240.00
Ann Arbor Fire Department	2	\$840.00
Battle Creek Fire Department	12	\$5,880.00
Bedford Township Fire Department	2	\$1,400.00
Bridgeport Charter Township Fire Department	1	\$700.00
Burton Fire Department	11	\$4,900.00
Cadillac Fire Department	3	\$1,540.00
Canton Fire Department	5	\$2,940.00
Center Line Public Safety	1	\$700.00
Coldwater Fire Department	3	\$1,540.00
Commerce Charter Township Fire Department	3	\$1,540.00
Cutlerville Fire Department	1	\$420.00
Dearborn Fire Department	7	\$3,220.00
Delta Township Fire Department	6	\$3,080.00
Detroit Fire Department	52	\$22,400.00
Dexter Area Fire Department	2	\$840.00
Ferndale Fire and Rescue	1	\$420.00
Flint Fire Department	4	\$1,680.00
Graafschap Fire Department	1	\$420.00
Grand Blanc Fire Department	2	\$1,400.00
Grand Haven Department of Public Safety	1	\$420.00
Grand Haven Township Fire Rescue	1	\$420.00
Grand Ledge Area Emergency Services Authority	1	\$420.00
Grand Rapids Fire Department	6	\$3,080.00
Grand Traverse Metro Fire Department	5	\$2,940.00
Hamtramck Fire Department	3	\$1,260.00
Harrison Township Fire Department	1	\$420.00
Highland Township Fire Department	3	\$1,540.00
Howell Area Fire Department	2	\$1,120.00
Independence Fire Department	5	\$2,100.00

<b>Delegated Department Name</b>	<b>Number of Payments</b>	<b>Total Amount Paid</b>
Kentwood Fire Department	7	\$3,500.00
Lenox Township Fire Department	1	\$420.00
Madison Charter Township Fire Department	3	\$1,820.00
Marquette Township Fire Rescue	3	\$1,540.00
Marysville Fire Department	3	\$1,260.00
Meridian Township Fire Department	2	\$840.00
Midland Fire Department	9	\$4,340.00
Muskegon Fire Department	4	\$2,240.00
Niles Fire Department	1	\$420.00
North Oakland County Fire Authority	1	\$420.00
Oshtemo Township Fire Department	5	\$2,380.00
Owosso Fire & EMS	5	\$2,940.00
Pinconning Fraser Fire Department	2	\$1,120.00
Plainfield Township Fire Department	8	\$3,360.00
Plainwell Department of Public Safety	2	\$840.00
Resort Bear Creek Fire Department	3	\$2,100.00
Rochester Hills Fire Department	4	\$1,960.00
Romulus Fire Department	4	\$1,680.00
Roseville Fire Department	4	\$2,240.00
Saginaw City Fire Department	4	\$1,960.00
Saginaw Township Fire Department	4	\$1,960.00
Saline Area Fire Department	2	\$1,120.00
Saugatuck Township Fire District	1	\$420.00
Shelby Township Fire Department	6	\$2,800.00
South Haven Area Emergency Services	6	\$2,800.00
Sparta Fire Department	2	\$1,120.00
Sterling Heights Fire Department	11	\$5,460.00
Taylor Fire Department	12	\$5,880.00
Thomas Township Fire Department	2	\$840.00
Utica Fire Department	2	\$1,120.00
Van Buren Fire Department	6	\$2,800.00
Walker Fire Department	7	\$3,220.00
Warren Fire Department	10	\$5,320.00
Wayne Westland Fire Authority	8	\$4,480.00
Wyoming Public Safety and Fire Services	9	\$4,340.00
<b>Total</b>	<b>322</b>	<b>\$156,240.00</b>



LARA is an equal opportunity employer.