

Charter Township Of Kalamazoo



2022 Annual Fire Department Report

1720 Riverview Drive, Kalamazoo, Michigan 49004 (269) 381-8080



2022 ANNUAL REPORT

Fire Chief's Comments

We proudly present this 2022 annual report for the Township of Kalamazoo Fire Department. As you review the details within this report, I believe that you will continue to share the great appreciation for the pride, professionalism, accomplishments, and actions of the personnel that make up our team.

In 2022 we finished the year with 2,959 emergency responses, which is a record year once again. This total includes fire, ems, special services, and mutual/initial aid responses. 260 of these responses are contributed to our contracted agreement with City of Parchment. We continue to manage and maintain fire and ems responses for City of Parchment under the Parchment Initial Aid Contract. 2022 was the first year of a two-year extension of the contract which will be revisited once again in December 2023.

We continue to actively participate in multiple collaborative efforts and organizations such as Fire Chief Associations of: Michigan, Western Michigan, and Kalamazoo County. We also participate with the Kalamazoo County Hazardous Materials Response Team and the Kalamazoo County Fire Investigation Response Team. Participating in these organizations allows for the sharing of information, ideas and resources between departments and communities which reduces the cost of providing these services while still maintaining quality and reliable response capabilities to meet the needs of our citizens.

Throughout 2022 we monitored the status of COVID 19 to continuously adapt our response procedures and take precautionary measures to help prevent infection and spread within the department. By restricting public access to the fire stations along with daily sanitization of our facilities and apparatus we have been able to keep the number of personnel infected with COVID 19 and the spread of the disease to a minimum. Because our team has continued to follow our response procedures, sanitization guidelines, and utilize their PPE effectively we have been able to start participating in fire prevention programs at offsite locations. In 2023 we look forward to increasing our participation in community events.

In September 2022 the untimely firing of the Fire Chief and a Battalion Chief caused a tremendous amount of stress to be placed on the fire department. Due to the pride and dedication of our personnel, we have been able to continue operations and maintain staffing of our three stations full time. 2023 will bring major changes to the fire department, but despite these challenges, we will continue to provide the professional service we are known for.

Respectfully submitted,

Michael J. Weidemann
Acting Fire Chief



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Fire Department Program Descriptions

The fire department is managed by categorizing certain aspects of its operation into sections and assigning a point of contact that is responsible for the management of that section. All personnel assigned a section of responsibility coordinate the management of that program with the fire chief. Each section is identified below along with a description of its area of responsibility.

Fire Department Management – The Fire Department Management section is made up of our eight full-time fire department personnel consisting of the Fire Chief, Deputy Fire Chief, two Battalion Chiefs, Fire Marshal, Fire Department Maintenance Supervisor and two Utility Firefighters.

The management section is responsible for the annual budgeting of programs and resources by setting program priorities, department goals and the coordination of constructive efforts between the fire department management section and all fire department personnel.

Emergency Response – The Fire Department Emergency Response section is managed by our Fire Department Management Team. The team is responsible for maintaining a cost effective, reliable and diverse quick-response network of trained personnel and strategically placed fire department vehicles and equipment. The Township of Kalamazoo Fire Department responds to all calls for service such as medical and fire emergencies, as well as non-emergency calls for service such as arcing electrical wires and carbon monoxide alarm activations. The Township of Kalamazoo maintains four fire stations (Northwood, Eastwood, Lakewood and Westwood) and staffs all stations with the exception of Lakewood with a minimum of one firefighter/driver twenty-four hours a day, seven days a week. Emergency response to the Lakewood neighborhood is provided under written agreement by the Comstock Township Fire Department, which operates and responds in the same manner as the Township of Kalamazoo Fire Department.

The Township of Kalamazoo Fire Department relies heavily on paid on call personnel for response to all calls for service. In 2022, we averaged about fifty paid on call personnel on the roster. The paid on call personnel are assigned to one of the staffed stations and follow a geographically assigned area for response purposes. The paid on call roster includes assigned duties to selected individuals that appoint them as officers, which is an essential function of personnel management and emergency scene command and control. This concept of paid on call firefighters has proven to be a cost-effective way to utilize only the necessary amount of personnel to handle the type and nature of emergency. The paid on call personnel receive township board approved hourly pay rates only for the emergency responses, scheduled on



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Fire Department Program Descriptions (continued)

call time covering one of the staffed stations (fire apparatus driver), scheduled fire department training and special activities such as station maintenance that they attend.

Fire Prevention and Investigation – The Fire Prevention and Investigation section is managed by our State of Michigan certified full-time Fire Marshal. The Fire Marshal is responsible for coordinating all fire prevention activities in the Township of Kalamazoo as well as coordinating all necessary fire investigations with the Township of Kalamazoo Police Department.

Our Fire Prevention and Investigation program includes new and existing facility fire safety inspections, public safety education programs, construction plan reviews, management of our Knox brand secure key access program for all apartments and non-residential facilities, fire ordinance compliance, and the tracking and updating of hazardous materials used by facilities.

The Fire Marshal is also an active participant with the Juvenile Fire Setter Program and Fire Investigation Response Team, both programs organized as a collaborative effort with the Kalamazoo County Fire Chief's Association.

Fire Department Training – Our Fire Department Training section is managed by our assigned department training officer as an additional duty. The training officer is responsible for the planning, scheduling, documentation and coordination of the delivery of our fire department training program to all fire department members.

Our training program is designed to train and maintain a competent roster of emergency responders. Our training program covers a wide range of subjects relating to firefighting, medical emergencies, rescue, hazardous materials, firefighter safety and other response related topics. Our training schedule is driven by State of Michigan requirements as well as local response needs and hazards.

All of our personnel are required to obtain and maintain as a condition of employment, State of Michigan certification as a Medical First Responder and Firefighter I/II. All personnel are also required to maintain a current cardio pulmonary resuscitation (CPR) and automated external defibrillator (AED) certifications from a nationally recognized organization.



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Fire Department Program Descriptions (continued)

Fire Department Maintenance – Our Fire Department Maintenance section is managed by our Emergency Vehicle Technician certified full-time Fire Department Maintenance Supervisor. Our Fire Department Maintenance Supervisor is responsible for the inspection, maintenance, testing and documentation of our fire department vehicle fleet and assigned equipment as well as general grounds maintenance at our fire stations.

Our fire department maintenance program is designed to maintain our assets in a ready and reliable configuration while minimizing the maintenance down time of our equipment. Our maintenance supervisor develops and executes a detailed annual proactive preventative maintenance and inspection schedule in an attempt to minimize the costly reactive maintenance mindset. Our maintenance program also ensures that all required third party safety inspections of our vehicles are scheduled and documented. As an associated tasking to the vehicle preventative maintenance program, our maintenance supervisor makes repairs to our vehicles in-house when possible, reducing the down time of the vehicles as well as reducing our overall maintenance budget by reducing costs associated with contracted maintenance.

In addition to vehicle maintenance, our maintenance supervisor also manages the inspection, maintenance and documentation of our powered equipment such as saws, generators and vehicle mounted equipment. As an additional duty, our maintenance supervisor is responsible for larger exterior maintenance projects at our fire stations such as snow plowing and parking lot maintenance.

Firefighter Utility Position – The Utility Firefighter position was added as a full-time position in 2019, and expanded to two positions in early 2021. The position was designed and implemented to provide assistance in many different areas within the fire department operations. Some of the main examples of work associated with this position are the covering open driver shifts at the fire stations, performing maintenance and inspections of vehicles, equipment, and facilities as well as responding to emergency calls for service.

This position has allowed for a more consistent staffing level and became an effective measure to allow for other fire department staff to better focus on their assigned duties. As the priorities and nature of work were established, these positions became a more fluid and in-depth asset that worked to complete larger maintenance projects and assisted with the logistical function within the fire department.



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Fire Department Program Descriptions (continued)

Township Manager – The Township Manager is a board-appointed position created to oversee the day-to-day operations of the Township. The Township Manager supervises all department heads and employees, acts as the chief administrative officer of the township, personnel director and purchasing agent. The Township Manager is also responsible for preparing and administering the annual budget. Dexter Mitchell remained the Township Manager for 2022.

Fire Commissioner – The Fire Commissioner is a township board member that is appointed by the township board. The Fire Commissioner acts as a liaison between the township board and the Fire Chief in regards to fire department operations, response and budgeting. Township Supervisor Donald Martin remained the Fire Commissioner for 2022.

Fire Chaplain – The Fire Department Chaplain position was added in September of 2017. As with many other local police and fire organizations, the need to have a good working relationship with a chaplain *before* a time of need was identified. Working with the Missional Chaplains Program located in Kalamazoo, Kalamazoo Township joined a program that provides an always available chaplain resource to many public safety agencies in Kalamazoo County. This resource provides for many aspects of employee assistance and support to include spiritual and personal counseling to department members and their families as requested. Ken Smeader remained the Fire Chaplain for 2022.



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Emergency Response Analysis

In 2022 the department responded to a total of 2,959 incidents. 2,362 being rescue related, and 597 being fire related.

Calls by Station

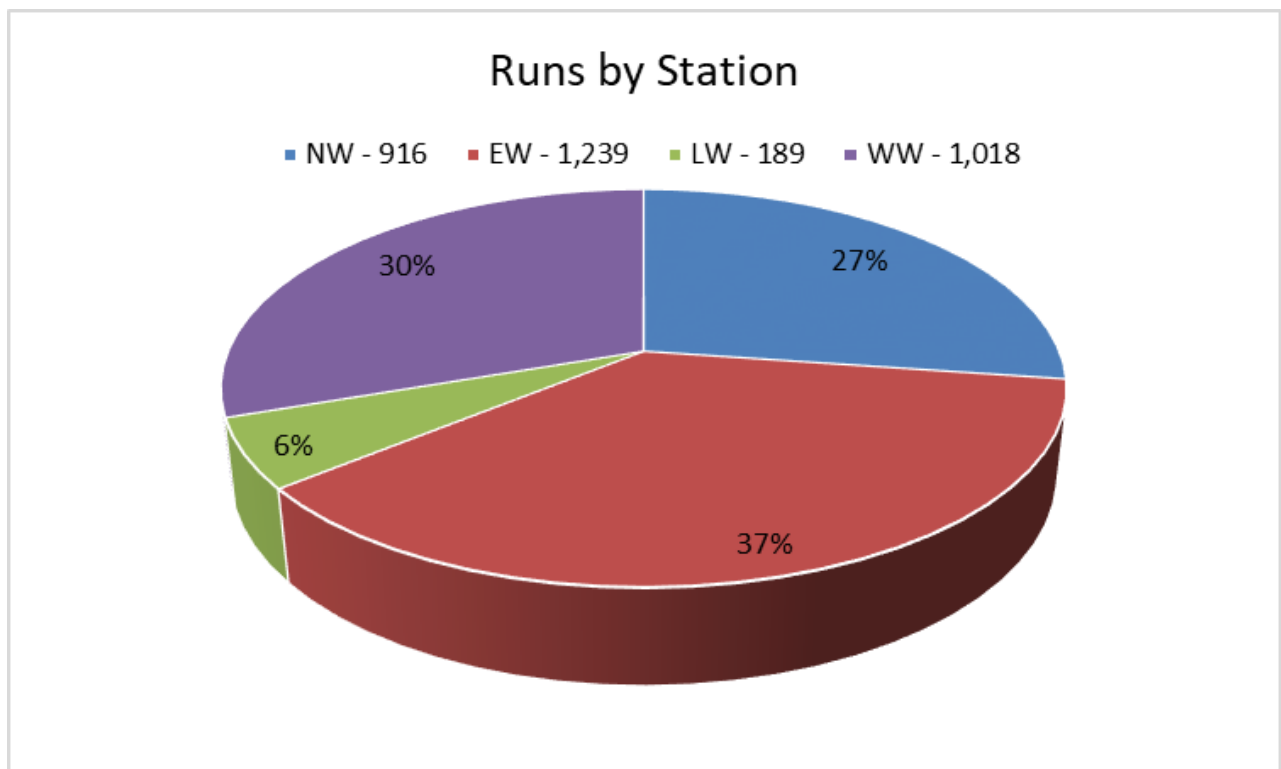
Station # 1= 916 / 701

Station # 3= 189 / 189

Station # 2= 1,239 / 1,103

Station # 4= 1,018 / 966

With Assists / Without Assists





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Emergency Response Analysis (continued)

Northwood

responding to:

Eastwood = 107

Westwood = 91

Lakewood = 17

Eastwood

responding to:

Northwood = 44

Westwood = 0

Lakewood = 92

Westwood

responding to:

Northwood = 52

Eastwood = 0

Lakewood = 0

Day of Week

Monday = 408

Tuesday = 443

Wednesday = 429

Thursday = 444

Friday = 442

Saturday = 406

Sunday = 387

Time of Day

00:00 – 03:59 = 306

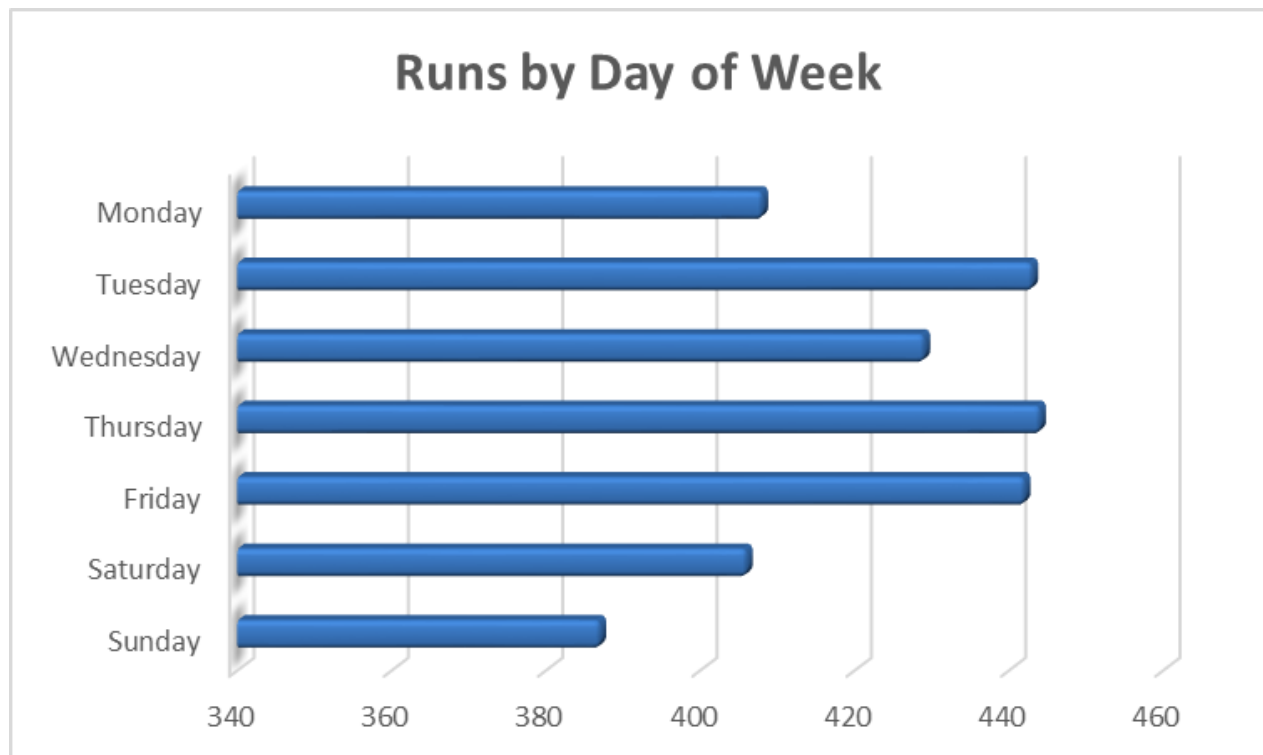
04:00 – 07:59 = 283

08:00 – 11:59 = 536

12:00 – 15:59 = 652

16:00 – 19:59 = 692

20:00 – 23:59 = 490





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Emergency Response Analysis (continued)

In the past 10 years, demands for service of the fire department have been ever increasing. We have seen a 94% increase in rescue, 32 % increase in fire, and a 77% increase in total calls for service when compared to 2013.

	Calls for Service	Fire Related	Rescue Related	Assists Between Stations	Mutual Aid Given
2013	1,667	451	1,216	132	133
2014	1,777	447	1,330	186	106
2015	1,792	463	1,329	183	116
2016	1,899	306	1,593	180	128
2017	1,809	393	1,416	192	159
2018	2,029	412	1,617	228	158
2019	2,515	476	2,039	255	361
2020	2,359	468	1,891	278	362
2021	2,671	576	2,095	391	354
2022	2,959	597	2,362	403	412

	Total FF Responses	Average Cost Per Call	Average FF's per call
2013	10,494	\$109.31	6.3
2014	11,414	\$114.37	6.4
2015	11,454	\$114.37	6.4
2016	11,366	\$107.56	5.9
2017	11,325	\$112.30	6.1
2018	12,745	\$113.46	6.1
2019	15,104	\$113.46	6.1
2020	16,094	\$125.99	6.6
2021	17,395	\$116.45	6.1
2022	17,021	\$106.65	5.4



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Emergency Response Analysis (continued)

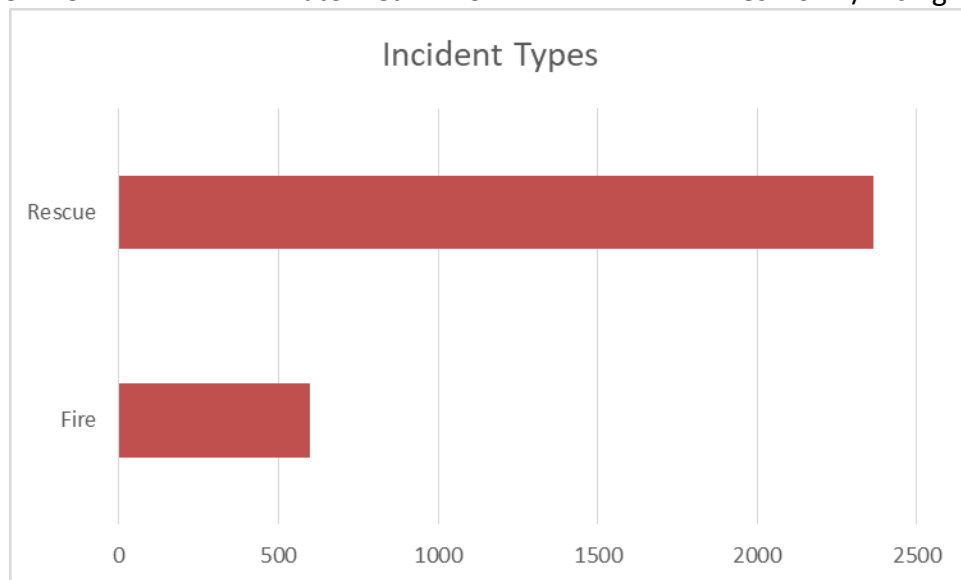
The following is a breakdown of the calls by type and frequency for 2022

Rescues

Abdominal Pain = 18	Aid Given – Medicals = 28	Allergic Reaction/Stings = 15
Altered Mental Status = 152	Animal Bite = 5	Assault = 15
Assist Police = 5	Attempt Suicide = 1	Back Pain = 15
Breathing Problem = 399	Burns = 0	Cancelled en Route = 127
Carbon Monoxide Call = 33	Cardiac Arrest = 35	Chest Pain = 229
Choking = 8	Convulsions/Seizure = 100	Diabetic Problem = 27
EMS Alarm = 124	Extrication = 5	Eye Injury = 2
Fall = 194	Head Injury/Pain = 13	Heat Exhaustion = 1
Hemorrhage = 66	Hypothermia = 5	Lift Assist = 91
Motor Vehicle Accident = 167	Nothing Found/Arrival = 43	Overdose/Poisoning = 62
Pregnancy/OB = 8	Psychiatric Problems = 28	Sick Person = 83
Stab/Gunshot Wound = 6	Stroke = 47	Unconscious = 82
Unknown/Person Down = 113	Welfare Check = 10	

Fires

Aid Given – Fires = 113	Aid Given – HazMat Team = 2	Aid Given – Move-Ups = 9
Burning Complaint = 53	Dumpster Fire = 16	Elevator Rescue = 3
Fire Alarm = 116	Forcible Entry = 8	Gas Leak = 36
Grass/Brush Fire = 2	HazMat Investigation = 1	High Angle Rescue = 0
Smoke Investigation = 59	Structure Fire = 19	Tree Down / Removal = 2
Vehicle Fire = 23	Water Leak = 13	Wires Down/Arcing = 122





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Initial Aid Summary

The Township of Kalamazoo has active Initial Aid agreements with the cities of Kalamazoo and Parchment as well as the townships of Oshtemo and Comstock to provide residents with higher levels of service than each municipality could provide on their own. These levels of service are provided automatically with the receipt of the alarm to provide for immediate response in conjunction with these other agencies as follows:

Comstock Township runs all Priority 1 rescues in the Lakewood area and provides an engine on all calls of smoke, fire, or smell of gas inside of a structure in Eastwood's district. In return, Kalamazoo Township provides a ladder truck for Comstock's commercial and multi-story residential structures.



The City of Kalamazoo provides a ladder truck to Kalamazoo Township when there is smoke, fire, or smell of gas inside of a multi-story residential, or commercial structure. In return Kalamazoo Township provides an engine for the Northwest section of the City of Kalamazoo, a ladder truck to certain structures in the Northeast corner of the City of Kalamazoo, and an engine to cover City Station 45 on all second alarm fires in the City of Kalamazoo.

Oshtemo Township provides an engine on all calls of smoke, fire, or smell of gas inside of a structure in Westwood's district. In return, Kalamazoo Township provides an engine for the same calls in the Northeast section of Oshtemo's district.



The City of Parchment and Kalamazoo Township entered into an agreement in which Kalamazoo Township responds to all calls for service in the City of Parchment to assist with equipment and staffing. This agreement began in January of 2019.



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Mutual Aid Summary

The Township of Kalamazoo also has Mutual Aid agreements with all municipalities in Kalamazoo County to provide assistance when requested, and in return those municipalities will provide assistance to the Township of Kalamazoo when requested. These requests are not automatic with the receipt of the alarm like Initial Aid; however, these requests are made at any point during the response to an incident, or while at an incident scene.

The following table is a combined list of Initial Aid and Mutual Aid responses between the Township of Kalamazoo and other municipalities. The Township gave aid a total of 412 times, and received aid 217 times as outlined below:

	Comstock		Oshtemo		KDPS		Parchment		Cooper	
	Given	Received	Given	Received	Given	Received	Given	Received	Given	Received
January	1	10	3	5	2	4	20	0	1	0
February	4	14	3	2	1	3	18	0	5	1
March	5	10	7	4	0	3	20	0	3	0
April	4	14	4	3	2	1	21	0	2	0
May	3	7	3	4	1	6	22	0	2	1
June	4	21	1	3	2	1	31	0	2	0
July	4	7	5	4	3	4	22	0	3	1
August	5	9	0	3	0	5	20	0	1	1
September	2	10	7	1	2	1	19	0	0	0
October	5	14	8	3	5	1	18	0	2	0
November	8	12	7	3	3	3	25	0	2	1
December	4	11	4	4	0	2	24	0	2	0
Totals	49	139	52	39	21	34	260	0	25	5

*In addition to the above chart, the Township of Kalamazoo also assisted Richland Township one time, Alamo Township twice, and personnel responded with the HazMat Team twice.



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Fire Loss Summary

There were 34 responses in 2022 with an associated loss caused by smoke and/or fire damage. Those 34 "loss fires" totaled \$642,800 in lost property and contents, and are listed individually below:

Incident #	Date	Location	Fire Type	Est. Property Loss	Est. Content Loss	Total Est. Loss
83	1/12/22	1405 Huntington	Attic Fire	\$ 20,000	\$ 7,000	\$ 27,000
163	1/21/22	2815 Old Farm	Porch Fire	\$ 2,000	\$ 500	\$ 2,500
181	1/24/22	1335 Coolidge	Trash Can Fire	\$ 300	\$ -	\$ 300
359	2/15/22	1322 Huntington	Bobcat Fire	\$ 1,500	\$ -	\$ 1,500
390	2/18/22	1336 Shakespeare	Garage Fire	\$ 1,000	\$ 1,000	\$ 2,000
391	2/18/22	1336 Shakespeare	Garage Fire	\$ 4,000	\$ 4,000	\$ 8,000
396	2/19/22	3915 Ravine	Commercial Structure Fire	\$ 120,000	\$ 100,000	\$ 220,000
675	3/29/22	318 Chicago	Attic Fire	\$ 35,000	\$ 5,000	\$ 40,000
699	4/1/22	1900 Barney	Vehicle Fire	\$ 1,000	\$ -	\$ 1,000
734	4/5/22	BL-131 & Dunkley	Vehicle Fire	\$ 4,000	\$ -	\$ 4,000
738	4/6/22	2117 Sunsprite	Kitchen Fire	\$ 1,000	\$ 1,000	\$ 2,000
1065	5/20/22	2210 E Michigan	Vehicle Fire	\$ 2,500	\$ -	\$ 2,500
1122	5/27/22	3314 Miami	Vehicle Fire	\$ 2,500	\$ -	\$ 2,500
1144	5/30/22	3610 Meadowcroft	House Fire	\$ 125,000	\$ 100,000	\$ 225,000
1285	6/17/22	2519 N Hills Ct E	Mobile Home Fire	\$ 1,500	\$ -	\$ 1,500
1295	6/18/22	2425 King Hwy	Vehicle Fire	\$ 1,000	\$ -	\$ 1,000
1373	6/26/22	2220 Gull	Vehicle Fire	\$ 1,000	\$ -	\$ 1,000
1388	6/28/22	2002 W Main	Vehicle Fire	\$ 6,000	\$ -	\$ 6,000
1427	7/3/22	901 Grand Pre	Construction Debris Fire	\$ 5,000	\$ -	\$ 5,000
1478	7/9/22	2003 E Main	Vehicle Fire	\$ 2,500	\$ -	\$ 2,500
1658	8/2/22	2425 King Hwy	Vehicle Fire	\$ 1,000	\$ 100	\$ 1,100
1725	8/7/22	1506 Highland Hills	Mobile Home Fire	\$ 10,000	\$ 20,000	\$ 30,000
1784	8/14/22	1500 N Pitcher	Semi Trailer Fire	\$ 5,000	\$ 1,000	\$ 6,000
2027	9/8/22	Lake & Healy	Vehicle Fire	\$ 2,500	\$ -	\$ 2,500
2294	10/10/22	3324 Canterbury	Bedroom Fire	\$ 500	\$ 5,000	\$ 5,500
2358	10/17/22	Gull & Heatherdowns	Vehicle Fire	\$ 6,000	\$ -	\$ 6,000
2434	10/25/22	BL-131 @ Ravine	Vehicle Fire	\$ 6,000	\$ -	\$ 6,000
2554	11/10/22	2113 Douglas	Vehicle Fire	\$ 9,000	\$ -	\$ 9,000
2558	11/10/22	3716 E G Ave	Barn Fire	\$ 3,000	\$ -	\$ 3,000
2630	11/16/22	3314 W Main	Bathroom Fire	\$ 500	\$ -	\$ 500
2700	11/24/22	3304 Croyden	Closet Fire	\$ 500	\$ -	\$ 500
2704	11/24/22	3000 W Main	Vehicle Fire	\$ 7,000	\$ -	\$ 7,000
2862	12/10/22	W Main & Lake Forest	Vehicle Fire	\$ 3,400	\$ -	\$ 3,400
2918	12/16/22	E Main & Sunnyside	Vehicle Fire	\$ 7,000	\$ -	\$ 7,000

*Property loss is generally considered loss to the structure or vehicle itself, while the content loss is the personal property contained within the structure or vehicle.



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Station 1 (Northwood)

Northwood Fire Station

2617 North Burdick Street

Built in 1948

Houses Engine 811, Engine 821 and Rescue/Brush Truck 851





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Station 1 (continued)



811

2011 Pierce Saber
1500 Gallon per minute pump
970 Gallons of water
On board foam system with 30 gallons of
Class B foam concentrate
Automated External Defibrillator
Various emergency medical supplies

821

2016 Pierce Saber
1500 Gallon per minute pump
750 Gallons of water
Automated External Defibrillator
Various emergency medical supplies
Extrication Tools



851

2022 Chevrolet 3500
150 Gallon per minute pump
200 Gallons of water
Assorted nozzles and tools for brush fires
Automated External Defibrillator
Various emergency medical supplies





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Station 2 (Eastwood)

Eastwood Fire Station

2703 East Main Street

Built in 1940

Houses Engine 812, Ladder 842 and Rescue 852





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Station 2 (continued)



812

2015 Pierce Saber
1500 Gallon per minute pump
720 Gallons of water
On board foam system with 30 gallons of
Class A foam concentrate
Automated External Defibrillator
Various emergency medical supplies
Extrication equipment

842

2007 Sutphen TS-100
1500 Gallon per minute pump
300 Gallons of water
100-foot aerial bucket
Automated External Defibrillator
Various emergency medical supplies



852

2019 Chevrolet Suburban
Automated External Defibrillator
Various emergency medical supplies





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Station 3 (Lakewood)



Lakewood Fire Station

3100 Lake Street
Built in 1950, Residence in 1967
Houses Engine 813
Houses Air Trailer 880

813

2007 Sutphen Shield
1500 Gallon per minute pump
1000 Gallons of water
Automated External Defibrillator
Various emergency medical supplies



880

2015 aluminum trailer
Dual 4,000 pound axles with brakes
Bauer Diesel Motor
Bauer 6,000 PSI 13.1 CFM Air Compressor
Four 6,000 PSI cascade tanks
Dual SCBA fill station
Remote fill capabilities with a 150 foot reel





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Station 4 (Westwood)

Westwood Fire Station

1310 Nichols Road

Built in 1967

Houses Engine 814, Ladder 844, and Rescue 854





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Station 4 (continued)

814

1998 Pierce Quantum
1500 Gallon per minute pump
880 Gallons of water
Full complement of extrication tools
Automated External Defibrillator
Various emergency medical supplies



844

2009 Sutphen TS-100
1500 Gallon per minute pump
300 Gallons of water
100-foot aerial bucket
Automated External Defibrillator
Various emergency medical supplies

854

2019 Chevrolet Suburban
Automated External Defibrillator
Various emergency medical supplies





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Apparatus Fleet Status

The average age of our fleet is now approaching eight years old and we have some vehicles which are approaching their replacement dates. We use a replacement date in line with current industry standards in order to plan for vehicle purchases and budget capital improvement funds more efficiently. These replacement dates are used to get the most value out of each piece of apparatus, while also replacing them frequently enough to allow for safety and technological improvements to enhance the services we deliver.

-Rescues are replaced approximately every 10 years.

-Engines are replaced approximately every 25 years.

-Ladders are replaced approximately every 30 years.

The table below shows the current timeline of each vehicle, as well as necessary special equipment that must be factored into apparatus purchasing/replacement decisions in order to maintain our current level of service.

Unit	Type	Year	Age	Assigned Station	Projected Replacement	Special equipment
811	Engine	2011	11	Northwood	2036	Foam System
821	Engine	2016	6	Northwood	2041	Vehicle Extrication
851	Rescue/Brush Unit	2022	0	Northwood	2022	Water tank & pump for grass fires
812	Engine	2015	7	Eastwood	2040	Foam System & Extrication
842	Platform Ladder	2007	15	Eastwood	2037	Ladder Truck
852	Rescue	2019	3	Eastwood	2029	
813	Engine	2007	15	Lakewood	2032	
814	Engine	1998	24	Westwood	2022	Vehicle Extrication
844	Platform Ladder	2009	13	Westwood	2039	Ladder Truck
854	Rescue	2019	3	Westwood	2029	
855	Fire Marshal	2014	8	Township	2023	Fire Investigation Equipment
856	Maintenance	2016	6	Township	2024	Snow plow
800	Utility	2019	3	Township	2027	Snow plow
801	Utility	2021	1	Township	2029	
890	Fire Chief	2018	4	Township	2026	



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Equipment Inspection, Testing and Maintenance

The annual fire department equipment inspection, testing and maintenance are an important function on both the liability and safety sides of our operation. While much of the inspection, testing and maintenance work is done by our trained and certified fire department personnel, some of the work must be done by contracting to an outside service provider.

The following list describes our larger inspection, testing and maintenance projects that must be performed and documented on an annual basis.

Ground Ladder Testing – All ground ladders carried on fire apparatus were visually inspected and weight tested with only minor repairs needed.

Ladder Truck Inspection and Testing – Both ladder trucks were visually inspected, and functionally tested. Cost of inspection: \$2,625

Breathing Air Compressor – A visual inspection was made of both the mobile and fixed location breathing air compressor systems. Quarterly air samples were taken and sent in for analysis. All test samples passed required quality standards. Cost: \$2,246

Fire Extinguisher Inspections (Facility and Vehicle) – Visual inspection and annual certification were completed on all fire department facility and vehicle mounted fire extinguishers with only a few minor repairs needed. Cost: \$1,425

Fire Protective Coat and Pant Inspection/Maintenance – When our fire protective clothing develops rips, tears, signs of wear or holes, it must be sent to a certified company for inspection and repair. In 2022, equipment was sent in as needed for inspection and maintenance, reducing the amount of fire protective clothing that needed to be replaced. Cost: \$4,183

Self-Contained Breathing Apparatus – 43 units were inspected and flow tested with only minor repairs needed. Cost: \$2,800

Self-Contained Breathing Apparatus Cylinder Hydrostatic Testing – 86 units were visually and then hydrostatically tested. Cost: \$1,935

Fire Truck 3rd Party Inspections – Outside company inspection of all fire apparatus required by ISO rating system. Cost: \$5,845



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Capital Purchases

Separate from our operational budget, our capital improvement budget helps us maintain our facilities and provide for equipment purchases that enhance our emergency response capability.

Through continued collaborative efforts with adjoining municipality's emergency responders, we make every attempt to not duplicate special equipment and services between organizations. This process has reduced our overall equipment purchase and maintenance costs.

Listed below are some of the projects completed in 2022

- Replace firefighter protective clothing (turnout gear) - \$32,000
- Replace 5 inch supply fire hose - \$6,000
- Upgrade phone system and phone lines to stations -
- Purchase Hurst tool power unit (gas) - \$1,500
- Replace corded smoke ejector fan with battery operated - \$4,000
- Purchase 5 inch intake valves (2) for new 814 - \$3,000
- Station 8-1 (Northwood) replace apparatus bay door - \$4,385
- New Station 8-2 (Eastwood) project and design - \$174,345



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Fire Prevention and Code Enforcement

Inspections consist of the physical inspection of commercial occupancies within the Township of Kalamazoo to enforce fire codes. The length of time spent on these inspections can vary widely depending on the size and hazards of the occupancy.

Citations are issued as an enforcement tool to ensure compliance with fire codes.

Fire/EMS Calls are responses by the fire marshal to emergencies when he is in the area during the time of dispatch, thus providing more rapid response to active emergencies.

Investigations are conducted on most fires, and all loss fires, in an attempt to determine cause and origin. Time spent on these investigations varies widely depending on the complexity of the investigation.

Public Education is time spent in the local schools teaching fire prevention to students throughout the community.

Court Hours are hours spent appearing in court for enforcement of citations, as a witness in arson prosecutions, and anytime subpoenaed as an expert witness.

Burn Complaints are responses to complaints about citizens not burning within the rules outlined in the Kalamazoo Township Burning Ordinance.

Training Hours are those hours spent in advancing education as well as mandatory required credits to maintain licensure as a fire inspector and fire investigator.



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Training

There are three major categories of training within the department. They are initial employment training, department wide training and outside training. All training hours are paid at the current training rate approved by the township board.

Initial Employment Training consists of a 295-hour training academy which covers firefighting basics, hazardous material responses, and incident command. New employees must also obtain their Michigan license as a Medical First Responder which is a 100-hour training course. In 2022, the department hired 4 new paid on call employees who attended 1,185 hours of training to obtain their initial certifications.

Department Wide Training consists of a 3-hour scheduled training every Tuesday. We offer a morning session and evening session to allow our paid on call personnel to attend the session that does not conflict with their full-time jobs. Training varies every week and covers all areas of the expected job functions. In 2022, our firefighters spent 2,865 hours performing proficiency training within our department. Firefighters also spent 206 hours maintaining their EMS licenses through specific proficiency training offered by the department.

Outside Training consists of any training in the region in which an employee attends with the approval of the department. Normally, if an employee receives outside training, all travel, tuition, lodging, and books are covered by the Township. In 2022, our firefighters spent 371 hours receiving advanced training outside of the department training program.



*Pictured above is the Kalamazoo Regional Training Tower where department wide training is held several times throughout the year.



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Inter-Governmental Cooperation

Kalamazoo County Hazardous Materials Response Team

The Kalamazoo County Hazardous Materials Response Team (KCHMRT) is made up of various personnel from numerous fire departments within Kalamazoo County. Their major goal is to provide a level of service that no municipality could alone provide to its residents without a substantial financial commitment.

In 2022 there were five team members and one executive board member from the Township of Kalamazoo on the KCHMRT as outlined below:

- Fire Chief Dave Obreiter – Executive Board Member
- Lieutenant George Tazelaar – Team Member
- Lieutenant Chris Weidemann – Team Member
- Lieutenant Shawn Bickings – Team Member
- Firefighter Derek Bucknell – Team Member



These members have additional training above and beyond the requirements of the fire department which take place once a month with the rest of the KCHMRT.

Kalamazoo County Fire Investigator Response Team

The Kalamazoo County Fire Investigator Response Team (KCFIRT) is a group of fire investigators throughout Kalamazoo County that through their combined efforts and schedules allow continuous availability of investigators to respond immediately upon request following a fire in order to determine the cause and origin. Fire Marshal Todd Kowalski is a Senior Fire Investigator with KCFIRT and Battalion Chief Matt Mulac is an Investigator with the team.



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Appendix

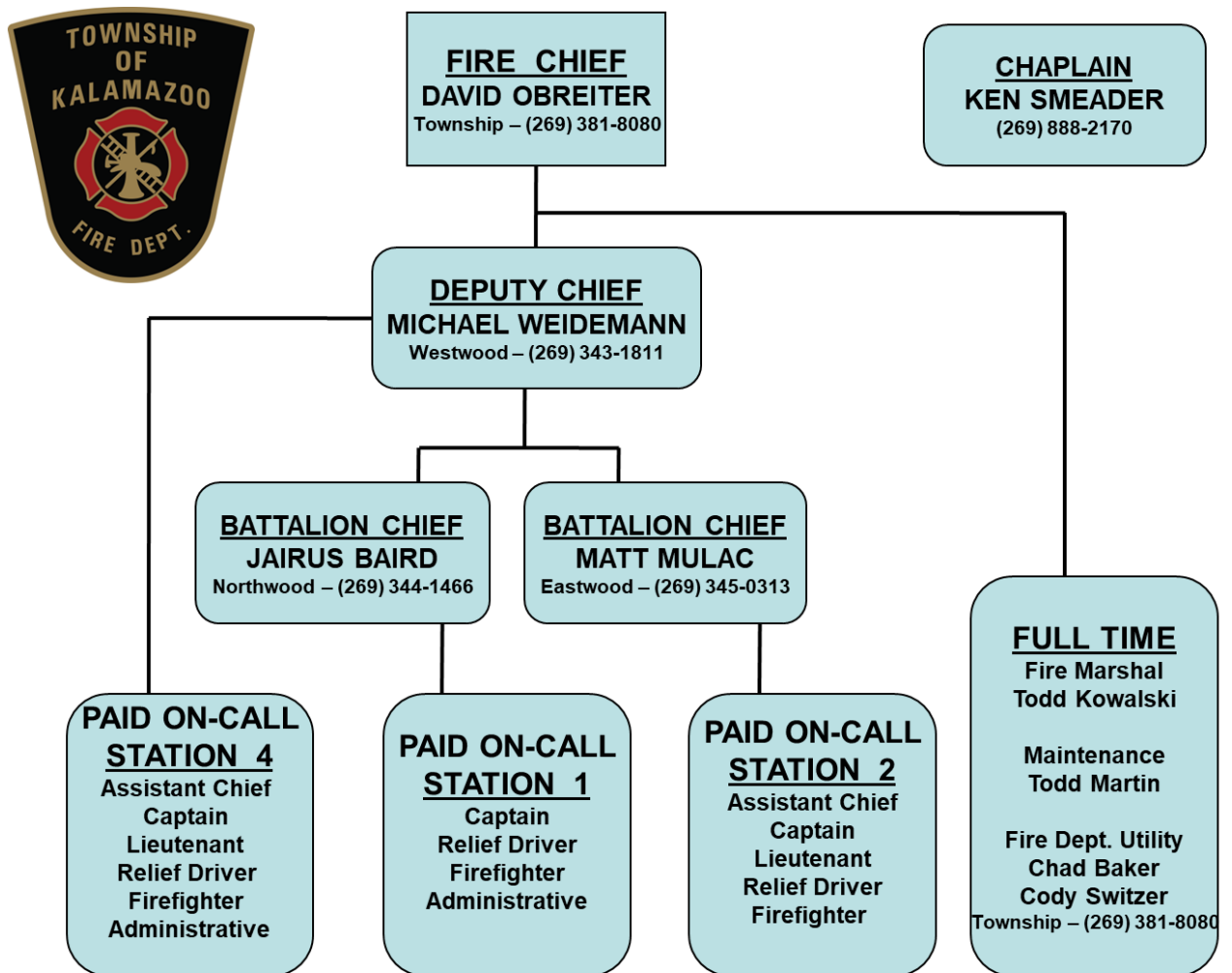
RANK	NAME	Yrs. Of Serv.	Award	RANK	NAME	Yrs. Of Serv.	Award
Lt.	Tim James	46		FF	Kent Tatroe	7	
Capt.	Randy Thompson	45		FF	Cody Switzer	7	
D/C	Mike Weidemann	38		FF	Erik Brinkert	7	
A/C	Dave Hoekstra	37		FF	Jeremie Bular	6	
FF	Mark Warnicke	36		FF	Edward Medina	6	
FF	Joe Vanorder	34		FF	Logan Callen	6	
Chief	Dave Obreiter	33		Chapl.	Ken Smeader	5	Pin
Capt.	Todd Kowalski	32		FF	Brent Boswell	5	Pin
FF	Jim Loedeman	31		FF	Joseph Coudron	5	Pin
A/C	Todd Dunfield	30	Pin	FF	Andrew McCann	5	Pin
Capt.	Todd Martin	29		FF	Travis Wendt	5	Pin
FF	Joe Landreville	28		FF	DeMonte Spann	4	
B/C	Matt Mulac	25	Pin	FF	Dillon Moe	4	
Disp.	Teresa Weidemann	25	Pin	FF	Jennifer Gonzalez	3	
FF	Rick Trott	19		FF	Brandon Bromley-Root	3	
FF	Derek Bucknell	18		FF	Brad Juilen	3	
FF	Mike Hubbart	18		FF	Andrew Romstadt	3	
FF	Dave Ives	18		FF	Ben Barber	3	
FF	Dan Merchant	18		FF	Elizabeth Kowalski	3	
FF	Gabriel Podolsky	16		FF	Alan Oxhandler	2	
Capt.	Chad Baker	16		FF	Anthony Lee-El	2	
B/C	Jairus Baird	14		FF	Dakota Northup	2	
Lt.	Chris Weidemann	14		FF	Megan Martin	2	
FF	Shawn Gallagher	13		FF	Mitchell Seiler	2	
FF	Paul Fox	13		FF	Brian Fulbright	1	
FF	Tom Baas	12		FF	Colin Fletter	1	
Lt.	Shawn Bickings	12		FF	Jeff Cabello	1	
Lt.	George Tazelaar	11		FF	Shawn Wertz	1	
FF	Brian Tenbrink	11		FF	Khaleb Cretsinger	NEW	
FF	Mike Rotgers	10	Pin	FF	Daniel Hardenbrook	NEW	
Disp.	Rachel Baird	9		FF	Shane Peterson	NEW	
FF	Anthony Tazelaar	8		FF	Kirsten Scheller	NEW	
FF	Tim Evans	8					



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Appendix (continued)

Fire Department Organizational Chart



Updated 9-1-2021