

Charter Township Of Kalamazoo



2016 Annual Fire Department Report



The Year in Review

By Chief Dave Obreiter

We proudly submit this 2016 annual report for the Township of Kalamazoo Fire Department. As I reviewed the details of this report, I was filled with great appreciation and pride for the professionalism, accomplishments and actions of the men and women that make up our team.

As we closed the year, it marked the fourth time in the last five years that we have exceeded the historical highest number of emergency responses for a calendar year. As compared to 2015, we experienced an increase of 107 calls for service in 2016. The response trend for 2016 showed a nearly 25 percent decrease in fire related responses and an approximate 15 percent increase in emergency medical responses.

We continue to actively participate in several collaborative efforts and organizations such as Kalamazoo County Fire Chiefs, Western Michigan Association of Fire Chiefs, Michigan Association of Fire Chiefs, Kalamazoo County Hazardous Materials Response Team and Kalamazoo County Fire Investigation Response Team. This concept allows for the sharing of information, ideas and resources between departments and communities to reduce the cost of providing emergency services, while still providing a quality and reliable response to the needs of our citizens.

Community involvement remains a high priority with our fire department members, as witnessed by our member's voluntary participation supporting larger events such as the Westwood Ice Cream Social and the Great Lakes Burn Camp. The voluntary participation by our members that are represented as a firefighters association at each of the fire stations is a direct reflection of their desire to serve our community above and beyond their roles as an emergency responder.

On a special note, the Westwood Fire Station celebrated its 75th anniversary of service to the citizens of Kalamazoo. On October 15, 2016, the Westwood Firefighters Association hosted an open house for the community. The event was attended by over 300 residents, firefighters and friends. This showing was a true testament of the long term professional and dedicated services provided by our Township of Kalamazoo Employees.

In the appendix section of this report, you will find a roster of our assigned fire department personnel as well as the years of service and experience that they provide our community. In addition to the list of personnel, you will find listing of awards that were presented to our members for their dedicated service to the community in 2015 through our Firefighter Recognition Program. The list of awards recognizes the actions above and beyond the general actions expected of our personnel.



2016 ANNUAL REPORT

TABLE OF CONTENTS

Fire Chief's Comments	2
Table of Contents	3
Fire Department Program Descriptions	5
Fire Department Management	5
Emergency Response	5
Fire Prevention and Investigation	6
Fire Department Training	6
Fire Department Maintenance	7
Township Manager.....	7
Fire Commissioner.....	7
Emergency Response Analysis	8
Calls by Station	8
Assists between Stations and Time of Calls.....	9
Ten Year Comparison	10
Types of Calls	11
Initial Aid Summary	12
Mutual Aid Summary	13
Fire Loss Summary	14
Fire Department Apparatus and Facilities	15
Station 1 (Northwood)	15
Station 2 (Eastwood)	17
Station 3 (Lakewood)	19
Station 4 (Westwood)	20
Apparatus Fleet Status	22
Equipment Inspection Testing and Maintenance	23
Capital Purchases	24
Fire Prevention and Code Enforcement	25
Training	26



2016 ANNUAL REPORT

Inter-Governmental Cooperation.....	27
Kalamazoo County Hazardous Materials Response Team	27
Kalamazoo County Fire Investigator Response Team	27
Appendix.....	28
Years of Service	28
Organizational Chart	29
Fire Department Awards	30



2016 ANNUAL REPORT

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 six full-time fire department personnel and consists of the fire chief, deputy fire chief, two battalion chiefs, fire marshal and fire department maintenance supervisor.

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 and 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 2016, we averaged about sixty 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-



2016 ANNUAL REPORT

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. In the summer of 2015 Battalion Chief Matt Mulac began assisting the Fire Prevention and Investigation section on a part time as needed basis with both prevention and investigation duties.

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 non-residential facilities, fire ordinance compliance and the tracking and updating of hazardous materials used by facilities operating in the Township of Kalamazoo.

Our 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.



2016 ANNUAL REPORT

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.

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. This position was created in the fall of 2016 by the Township Board.

Township Manager Dexter Mitchell was appointed to this new position in September of 2016.

Fire Commissioner – The Fire Commissioner is a Township Board Member that is appointed by the Township supervisor. 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 Trustee Donald Martin remained the Fire Commissioner for 2016.



2016 ANNUAL REPORT

Emergency Response Analysis

In 2016 the Department responded to a total of 1,899 incidents. 1,593 being rescue related, and 306 being fire related.

Calls by Station

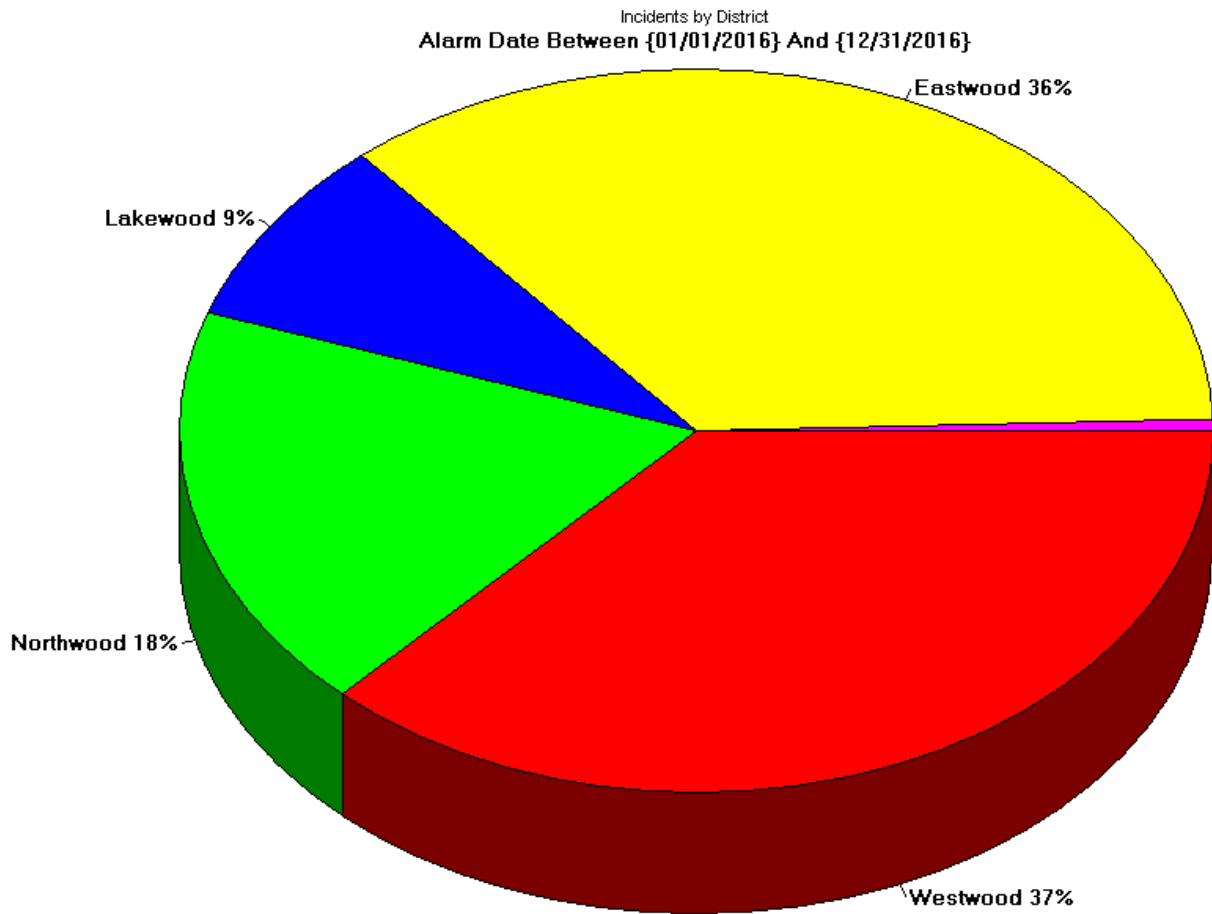
Station # 1= 376 / 287

Station # 3= 163 / 163

Station # 2= 768 / 715

Station # 4= 772 / 734

With Assists / Without Assists





2016 ANNUAL REPORT

Emergency Response Analysis (continued)

Northwood

responding to:

Eastwood = 44
Westwood = 43
Lakewood = 2

Eastwood

responding to:

Northwood = 29
Westwood = 0
Lakewood = 24

Westwood

responding to:

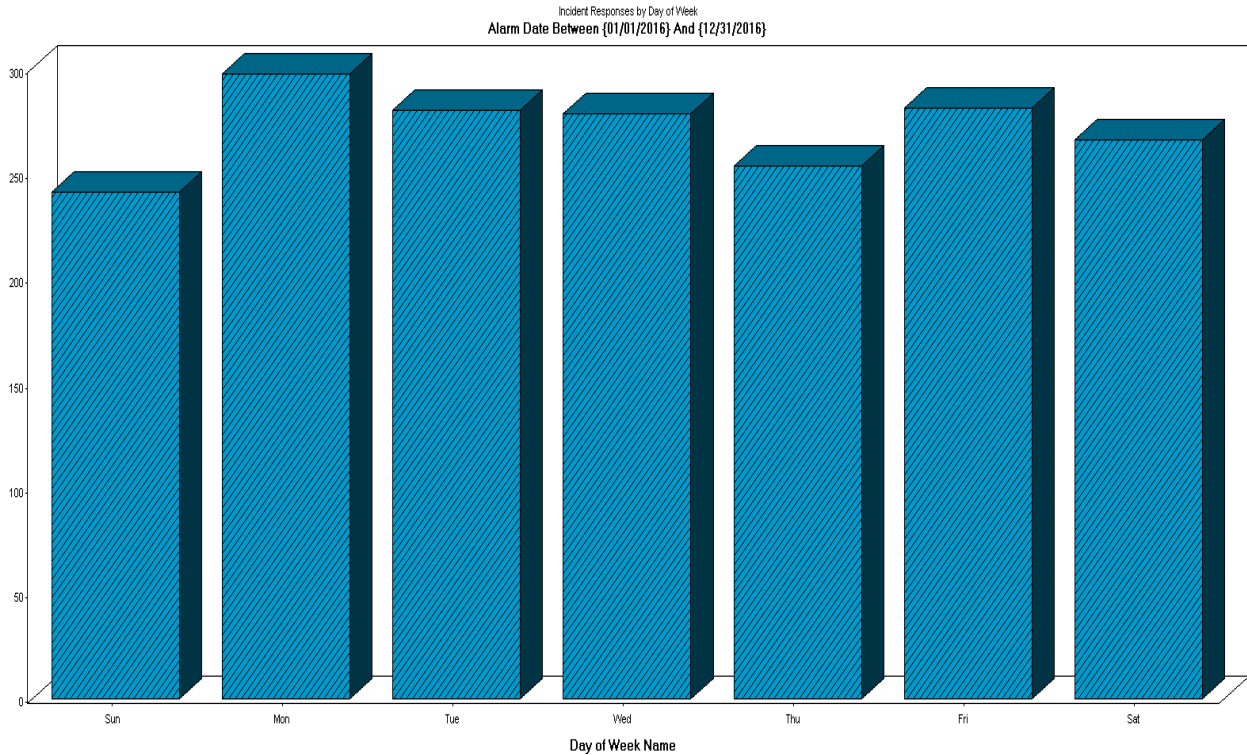
Northwood = 38
Eastwood = 0
Lakewood = 0

Day of Week

Monday = 298
Tuesday = 281
Wednesday = 279
Thursday = 254
Friday = 282
Saturday = 265
Sunday = 240

Time of Day

00:00 – 03:59 = 170
04:00 – 07:59 = 208
08:00 – 11:59 = 386
12:00 – 15:59 = 411
16:00 – 19:59 = 400
20:00 – 23:59 = 324





2016 ANNUAL REPORT

Emergency Response Analysis (continued)

In the past 10 years, demands for service of the fire department have been increasing on average, with 2016 being the most active year for incidents ever for the fire department.

10 Year Comparison of Annual Report Data					
	Calls for Service	Fire Related	Rescue Related	Assists Between Stations	Mutual Aid Given
2006	1,392	373	1,019	173	108
2007	1,539	450	1,089	197	101
2008	1,582	397	1,185	163	110
2009	1,517	410	1,107	192	125
2010	1,504	339	1,165	151	112
2011	1,494	351	1,143	173	103
2012	1,681	444	1,237	151	126
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

	Total FF Responses	Average Cost Per Call	Average FF's per call
2006	10,893	\$123.79	7.8
2007	12,510	\$132.43	8.1
2008	13,328	\$141.46	8.4
2009	12,008	\$137.07	7.9
2010	10,540	\$121.45	7.0
2011	9,513	\$111.04	6.4
2012	10,402	\$107.57	6.2
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



2016 ANNUAL REPORT

Emergency Response Analysis (continued)

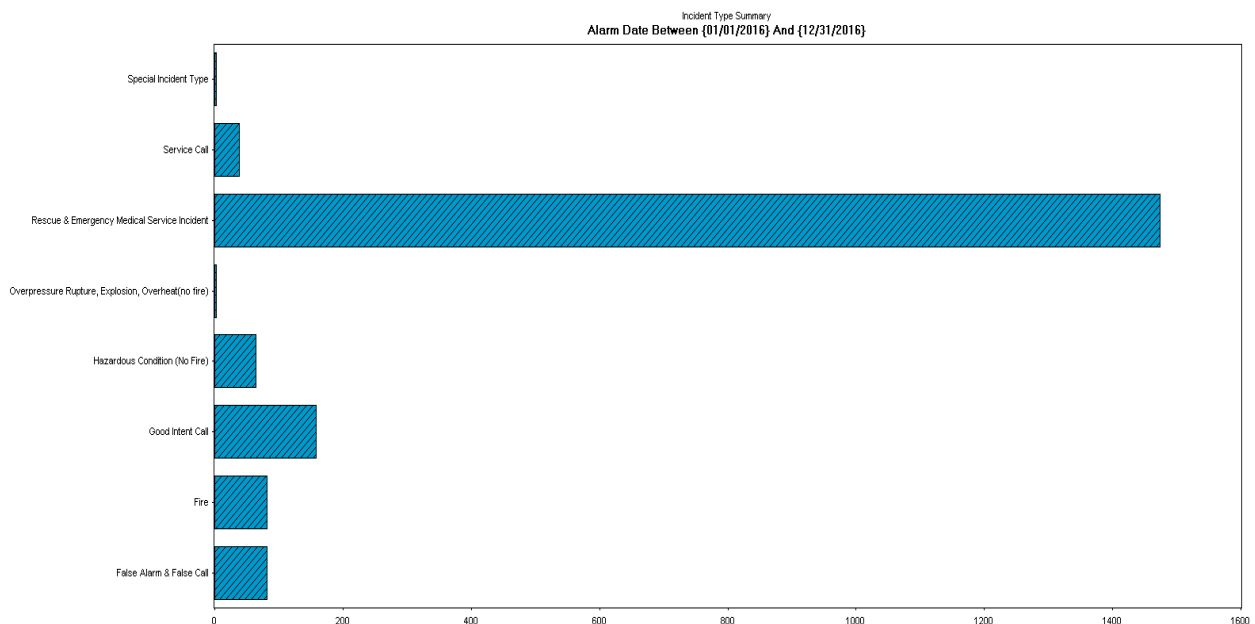
The following is a breakdown of the calls by type and frequency for 2016.

Rescues

Abdominal Pain = 15	Allergic Reaction = 10	Altered Mental Status = 8
Animal Bite = 2	Assault = 17	Assist Police = 13
Attempt Suicide = 4	Back Pain = 12	Burns = 2
Cancelled en Route = 75	Carbon Monoxide Call = 11	Cardiac Arrest = 10
Chest Pain = 128	Choking = 1	Diabetic Problems = 59
EMS Alarm = 28	Fall = 147	Head Injury/Pain = 10
Heat Exhaustion = 2	Ingestion/Poisoning = 16	Laceration/Hemorrhage = 17
Lift Assist = 10	Man Down = 206	Personal Injury Accident = 87
Pregnancy/OB = 7	Psychiatric Problems = 6	Seizure = 101
Sick Person = 170	Stab/Gunshot = 3	Stroke = 43
Trouble Breathing = 295	Unconscious = 76	Water Rescue/Drowning = 2

Fires

Aid Given – Fires = 103	Aid Given – HazMat = 1	Aid Given – Medicals = 15
Aid Given – Move-Ups = 5	Burning Complaint = 16	Dumpster Fire = 8
Fire Alarm = 51	Gas Leak = 20	Grass/Brush Fire = 1
HazMat Investigation = 1	Smoke Investigation = 32	Structure Fire = 19
Vehicle Fire = 8	Wires Down/Arcing = 26	





2016 ANNUAL REPORT

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 emergency calls in the Lakewood area and provides an Engine on all calls of Smoke, Fire, or Smell of Gas inside of a structure in Station 2'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 high-hazard 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 Station 4'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 provides an engine and manpower to back fill a Kalamazoo Township Station during fire incidents where the stations would otherwise be unstaffed. In return, Kalamazoo Township provides The City of Parchment with an Engine on all calls of Smoke, Fire, or Smell of Gas inside of a structure.



2016 ANNUAL REPORT

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 can be 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 128 times, and received aid 234 times as outlined below:

	Oshtemo		Comstock		KDPS		Cooper		Parchment	
	Given	Received	Given	Received	Given	Received	Given	Received	Given	Received
January	0	1	4	19	4	2	1	0	3	1
February	3	3	2	21	3	2	1	0	1	0
March	3	1	3	23	0	2	1	0	4	0
April	3	0	6	16	1	2	1	0	0	0
May	4	0	2	13	0	1	1	0	2	1
June	2	4	2	9	0	4	1	0	0	0
July	2	2	5	10	1	1	0	0	0	1
August	1	1	9	22	1	0	2	0	2	1
September	0	0	8	21	0	0	0	0	0	0
October	1	0	5	19	1	0	1	0	0	0
November	3	3	1	13	1	1	0	0	1	0
December	4	2	10	11	2	1	1	0	4	0
Totals	26	17	57	197	14	16	10	0	17	4

*In addition to the above chart, the Township of Kalamazoo assisted Galesburg-Charleston FD twice, and our HazMat Team members responded with the Kalamazoo County HazMat Team twice.



2016 ANNUAL REPORT

Fire Loss Summary

There were 24 responses in 2016 with an associated loss caused by smoke and/or fire damage. Those 24 “loss fires” totaled \$538,250 in lost property and contents, and are listed individually below:

Incident #	Date	Location	Fire Type	Est. Property Loss	Est. Content Loss	Total Est. Loss
9	1/5/16	616 Stassen	Structure Fire	\$ 500	\$ -	\$ 500
156	2/7/16	230 Lake Ridge	Vehicle Fire with exposures	\$ 14,500	\$ -	\$ 14,500
187	2/14/16	2220 Gull J-1	Kitchen Fire	\$ 10,000	\$ -	\$ 10,000
274	2/23/16	330 N Sage #303	Electrical Short	\$ 200	\$ -	\$ 200
284	2/7/16	3746 Lester	Structure Fire	\$ 10,000	\$ 2,500	\$ 12,500
327	3/4/16	1910 Sunnyside	Structure Fire	\$ 2,000	\$ 1,500	\$ 3,500
351	3/9/16	1251 Shakespeare	Semi-Truck Fire	\$ 14,000	\$ -	\$ 14,000
352	3/10/16	1925 Elkerton	Vehicle Fire	\$ 2,500	\$ 250	\$ 2,750
361	3/23/16	817 Craft	Structure Fire	\$ 4,000	\$ 3,000	\$ 7,000
515	4/17/16	1834 Sunnyside #5	Structure Fire	\$ 10,000	\$ 2,500	\$ 12,500
526	4/16/16	1802 W Main	Vehicle Fire with exposures	\$ 7,500	\$ -	\$ 7,500
551	4/25/16	3708 W Main A-1	Kitchen Fire	\$ 2,000	\$ -	\$ 2,000
698	5/8/16	Gull & Lakewood	Vehicle Fire	\$ 1,500	\$ 300	\$ 1,800
711	5/19/16	803 W Mosel	Structure Fire	\$ 120,000	\$ 300,000	\$ 420,000
882	6/25/16	4131 Valley Ridge Dr #1	Microwave Fire	\$ -	\$ 100	\$ 100
931	6/25/16	1902 Colgrove #215	Deck Fire	\$ 200	\$ -	\$ 200
1088	7/26/16	2405 Shasta	Garage Fire	\$ 4,000	\$ -	\$ 4,000
1097	7/29/16	1202 Pinehurst	Kitchen Fire	\$ 200	\$ 50	\$ 250
1288	8/23/16	3617 Silver Hills	Structure Fire	\$ 15,000	\$ 5,000	\$ 20,000
1471	10/12/16	3812 E Michigan	Vehicle Fire	\$ 1,500	\$ -	\$ 1,500
1516	10/30/16	2220 Gull F-3	Kitchen Fire	\$ 500	\$ 250	\$ 750
1521	10/31/16	717 Ira	Vehicle Fire	\$ 800	\$ -	\$ 800
1608	11/6/16	318 S Kendall #22	Bedroom Fire	\$ 200	\$ 200	\$ 400
1869	12/12/16	3315 Brookfield	Garage Fire	\$ 1,500	\$ -	\$ 1,500

*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.



2016 ANNUAL REPORT

Station 1

Northwood Fire Station

2617 North Burdick Street

Built in 1948

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





2016 ANNUAL REPORT

Station 1 (continued)



811

2011 Pierce Contender
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



851

2008 Ford F-350
150 Gallon per minute pump
200 Gallons of water
Assorted nozzles and tools for brush fires
Automated External Defibrillator
Various emergency medical supplies





2016 ANNUAL REPORT

Station 2

Eastwood Fire Station

2703 East Main Street

Built in 1940

Houses Engine 812, Ladder 842 and Rescue 852





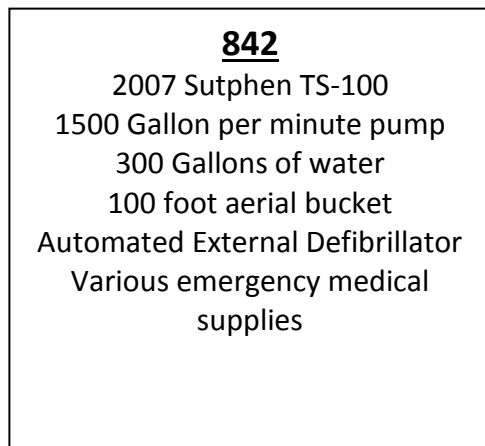
2016 ANNUAL REPORT

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



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

2007 Ford Expedition EL
Automated External Defibrillator
Various emergency medical supplies



2016 ANNUAL REPORT

Station 3

Lakewood Fire Station
3100 Lake Street
Built in 1950, Residence in 1967
Houses Engine 813



813
2007 Sutphen Shield
1500 Gallon per minute pump
1000 Gallons of water
Automated External Defibrillator
Various emergency medical supplies



2016 ANNUAL REPORT

Station 4

Westwood Fire Station

1310 Nichols Road

Built in 1967

Houses Engine 814, Ladder 844, and Rescue 854





2016 ANNUAL REPORT

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

2007 Ford Expedition EL
Automated External Defibrillator
Various emergency medical supplies





2016 ANNUAL REPORT

Apparatus Fleet Status

While the average age of our fleet is now only six years old, 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 12 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	5	Northwood	2037	Foam System
821	Engine	2016	0	Northwood	2041	
851	Rescue/Brush Unit	2008	8	Northwood	2023	Water tank & pump for grass fires
812	Engine	2015	1	Eastwood	2040	Foam System
842	Platform Ladder	2007	9	Eastwood	2037	Ladder Truck
852	Rescue	2007	9	Eastwood	2022	
813	Engine	2007	9	Lakewood	2032	
814	Engine	1998	18	Westwood	2023	Vehicle Extrication
844	Platform Ladder	2009	7	Westwood	2039	Ladder Truck
854	Rescue	2007	9	Westwood	2020	
855	Fire Marshal	2014	2	Township	2020	Fire Investigation Equipment
856	Maintenance	2016	0	Township	2022	Snow plow
890	Fire Chief	2010	6	Township	2018	



2016 ANNUAL REPORT

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.

Hydrostatic testing of SCBA cylinders – Cylinders were visually inspected and hydrostatically tested. Cost: \$2,000

Ground ladder testing – All ground ladders carried on fire apparatus were visually inspected and weight tested with only minor repairs needed. Cost: \$1,100

Ladder truck inspection and testing – Both ladder trucks were visually inspected, and functionally tested. Cost of inspection: \$3,900

Breathing air compressor –A visual inspection was made of the breathing air compressor system. Quarterly air samples were taken and sent in for analysis. All test samples passed required quality standards. Cost: \$900

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: \$1,000

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 2016, equipment was sent in as needed for inspection and maintenance, reducing the amount of fire protective clothing that needed to be replaced. Cost: \$2,800



2016 ANNUAL REPORT

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 capital projects completed in 2016

-Payment 1 of 3 for Engine 821	\$70,000
-Payment 2 of 3 for Engine 812	\$70,000
-Replaced 6 AED's	\$16,000
-Replaced 10 sets of Fire Bunkers, boots and gloves	\$25,000
-Replaced 1,000 feet of 5" fire hose	\$5,500
-Replaced 43 self-contained breathing apparatus (\$268,000 grant)	\$310,000
-Replaced 10 fire helmets	\$3,000
-Replaced Maintenance vehicle	\$41,000
-Purchased mobile breathing air compressor trailer	\$60,000
-Replaced station vehicle exhaust removal system (\$68,000 grant)	\$75,000



2016 ANNUAL REPORT

Fire Prevention and Code Enforcement

Fire Marshal's Summary 2016										
	Inspections	Inspection Follow Up's	Citations	Fire/EMS Calls	Investigations	Investigation Follow Up's	Public Education Hours	Court Hours	Burn Complaints	Training
Totals	209	83	56	270	28	30	0	13	24	172

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 Prevention and Code Enforcement division to emergencies when they are 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 also 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.



2016 ANNUAL REPORT

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 250 hour training academy which covers Firefighting Basics, Hazardous Material Responses, and the Incident Command System. New employees must also obtain their MI EMS license as a Medical First Responder which is an 80 hour training course. In 2016 the Department hired 5 new paid on-call employees.

Department wide training consists of a 3 hour scheduled training every Tuesday in which there is a morning session and evening session to allow our paid on-call personnel to attend the one session that does not conflict with their full-time jobs. Training varies every week and covers all areas of the expected job functions. In 2016, our firefighters spent 3,090 hours performing proficiency training within our department. Firefighters also spent 123 hours maintaining their EMS licenses through EMS 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 2016, our firefighters spent 1,386 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.



2016 ANNUAL REPORT

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 2016 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
- Captain Todd Martin – Team Member
- Firefighter Dave Weal – Team Member
- Firefighter Derek Bucknell – Team Member
- Firefighter Chris Weidemann – Team Member
- Firefighter Scott Morrison – 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 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. Township of Kalamazoo Fire Marshal Todd Kowalski is a Senior Fire Investigator with KCFIRT and Battalion Chief Matt Mulac joined in 2016 and is an Investigator with the team.



2016 ANNUAL REPORT

Appendix

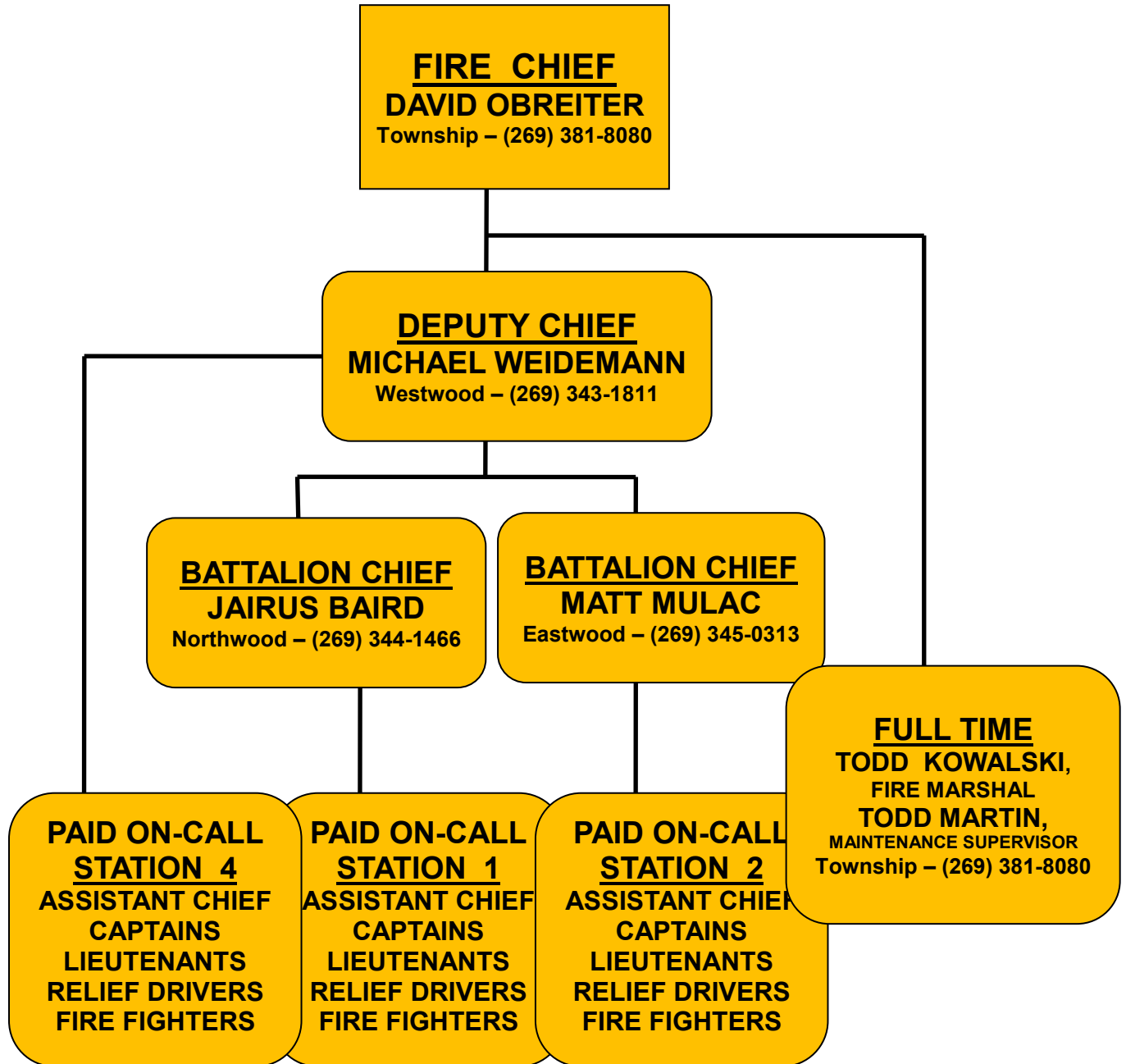
Township of Kalamazoo Fire Dept. 2016 Years of service							
RANK	NAME	Yrs. Of Serv.	Award	RANK	NAME	Yrs. Of Serv.	Award
Lt.	Tim James	40		FF	Chris Weidemann	8	
Capt.	Randy Thompson	39		FF	Shawn Gallagher	7	
D/C	Mike Weidemann	32		FF	Tom Baas	6	
A/C	Dave Hoekstra	31		FF	Phil Curley	5	Pin
FF	Mark Warnicke	30	Pin	Lt.	George Tazelaar	5	Pin
FF	Joe Vanorder	28		FF	Brian Tenbrink	5	Pin
Chief	Dave Obreiter	27		FF	Mark Garrett	5	Pin
Capt.	Todd Kowalski	26		FF	Mike Rotgers	4	
FF	Jim Loedeman	25	Pin/Watch	FF	Lori Stirn	4	
A/C	Todd Dunfield	24		Disp.	Rachel Baird	3	
Capt.	Todd Martin	23		FF	Andrew Vanderberg	3	
Capt.	Joe Landreville	22		FF	Scott Morrison	2	
B/C	Matt Mulac	19		FF	Anthony Tazelaar	2	
Lt.	Tom Sutton	19		FF	Tyler Vaughn	2	
Disp.	Teresa Weidemann	19		FF	Kent Tatroe	1	
FF	Jim Varda	19		FF	Jason Baker	1	
FF	Pete Stirn	18		FF	Marc Page	1	
FF	Rick Trott	13		FF	Julie VanGemert	1	
FF	Dave Weal	13		FF	Cody Switzer	1	
FF	Dan Merchant	12		FF	Erik Brinkert	1	
FF	Derek Bucknell	12		FF	Nicolas Bowers	New	
FF	Mike Hubbart	12		FF	Jeremie Bular	New	
FF	Dave Ives	12		FF	Eric Freeman	New	
Lt.	Troy Cox	11		FF	Paige Duncan	New	
FF	Al Garnaat	11		FF	Frank Sherwood	New	
FF	Gabriel Podolsky	10	Pin	FF	Edward Medina	New	
FF	Justin Vanorder	10	Pin	FF	Chris Glasser	New	
Capt.	Chad Baker	10	Pin	FF	Michael Weidemann	New	
FF	Derek Drake	10	Pin	FF	Dorian Oestreich	New	
B/C	Jairus Baird	8		FF	Logan Callen	New	



2016 ANNUAL REPORT

Appendix (continued)

Fire Department Organizational Chart





2016 ANNUAL REPORT

Appendix (continued)

2016 Fire Department Awards

Firefighter of the Year (2015)

The Fire Fighter of the Year award is presented to a member of the fire department that has been selected from nominations by their peers. The recipient of this award is selected based on their overall outstanding performance as a fire fighter, performance above and beyond that normally expected of a fire fighter, community service and an overall commitment to improving the fire service.

-Awarded to Captain Todd Martin

25 Year Service Award

The 25 Year Service Award is presented as a “milestone” in one’s career. It signifies commitment, sacrifice and dedication. It shows an overall individual decision to make a positive impact on an organization. Less than ten percent of our members achieve this accomplishment.

-Awarded to Firefighter Jim Loedeman

Citation for Bravery (2015)

The Citation for Bravery is awarded when a fire fighter performs an act in the line of duty which may arise thru an emergency or other situation where because of the nature of their action, a life may have been saved.

-Awarded to Assistant Chief Dave Hoekstra, Captain Todd Kowalski, Firefighter Chris Weidemann, Oshtemo Firefighter Nathan Carley, Oshtemo Firefighter Brian Toepper, Oshtemo Firefighter Michael Parker for their actions on June 1st, 2015 at 123 South Kendall

-Awarded to Captain Todd Martin and Firefighter Jim Varda for their actions on June 1st, 2015 at 123 South Kendall

-Awarded to Firefighter Shawn Gallagher and Firefighter Anthony Tazelaar for their actions on October 24th, 2015 at 2008 Sunnyside



2016 ANNUAL REPORT

Citation for Lifesaving

The Citation for Lifesaving is awarded for the saving of a life through various actions, such as the direct application of first aid. The following members were awarded the Citation for Lifesaving for responses during 2016.

THOMAS BAAS	3	MIKE HUBARTT	2	MATT MULAC	1	JUSTIN VANORDER	2
JAIRUS BAIRD	4	DAVE IVES	1	DAVE OBREITER	2	JOE VANORDER	3
CHAD BAKER	1	TIM JAMES	2	GABRIEL PODOLSKY	2	JIM VARDA	1
ERIK BRINKERT	3	TODD KOWALSKI	4	MIKE ROTGERS	4	TYLER VAUGHN	3
DEREK BUCKNELL	2	JOE LANDREVILLE	2	CODY SWITZER	2	MARK WARNICKE	1
TROY COX	1	JAMES LOEDEMAN	1	GEORGE TAZELAAR	1	DAVE WEAL	3
DEREK DRAKE	1	TODD MARTIN	3	BRIAN TENBRINK	1	CHRIS WEIDEMANN	3
SHAWN GALLAGHER	2	DAN MERCHANT	1	RANDY THOMPSON	1	MICHAEL WEIDEMANN	2
AL GARNAAT	1	SCOTT MORRISON	1	JULIE VANGEMERT	3	TERESA WEIDEMANN	1
DAVE HOEKSTRA	2						

* The number after the name indicates the number of awards that they received.