

2012 ANNUAL REPORT

Miami Township Fire-Rescue

Department Highlights

Key Accomplishments

- ◆ Replaced all of our self-contained breathing apparatus (SCBA) providing important functional and safety upgrades.
- ◆ Worked closely with other agencies to plan the transition from the current end-of-life county-wide 800 megahertz radio system to the State of Ohio's MARCS. This included the purchase of \$119,000 worth of MARCS radio equipment.
- ◆ Completed the Federally-mandated narrow-banding of our VHF radios, including the purchase of new portable radios for volunteer members, the replacement of our repeater and installation of a new VHF base antenna.
- ◆ Placed a new brush truck in-service, replacing our 1982 unit. By utilizing State of Ohio cooperative purchasing and reusing our pump/water tank skid unit realized a savings of close to \$20,000 over a traditional purchase.
- ◆ Recruited nine new volunteer members the majority of who, for the first time, reside outside of the township.
- ◆ Administered a successful promotional process resulting in the promotion of two members to lieutenant.
- ◆ Added one additional paramedic to our roster with the graduation of a member from Clark State Community College's paramedic program.
- ◆ With the assistance of a fitness professional, designed and implemented new job-specific physical fitness assessments for firefighters, EMTs and recruits.
- ◆ Upgraded the rest rooms at Station 82 providing for an updated appearance.
- ◆ Our emergency medical service personnel responded to more calls for medical assistance than at any time in our history, treating and transporting record numbers of patients.
- ◆ With the approval of our medical directors, implemented post-arrest therapeutic hypothermia protocols designed to improve cardiac arrest survival rates.
- ◆ Our fire prevention officer delivered comprehensive fire safety education to record numbers of school-age children throughout the township.

MTFR Overview

From the Chief

Welcome to our annual report for 2012. I'm confident that the information contained within will give you a sense of the hard work and dedication of the men and women who make up the department.

In 2012, we responded to 1,088 incidents, ranging from a cat stuck on the roof of St. Paul's Catholic Church to building fire alarms to a multitude of patients with serious medical issues. Consistent with years past, emergency medical calls made up the bulk of our call volume. Our crew of EMTs, Advanced EMTs and Paramedics responded to an all-time high of 783 emergency medical calls, treating almost 700 patients and transporting just over 500 to area hospitals. Our EMS personnel enjoy a deserved reputation for providing quality, compassionate care.



We took on nine new volunteer members during the year, a substantial and needed addition to our staff. Interestingly, for the first time the number of members who reside outside of the township surpassed the number of those living here. We continue to need local volunteers to supplement our staff, but are proud that people from across the region choose to serve here.

MTFR continues to adapt, adjust and improve as we strive to perform at the high level our community expects. Our talented and dedicated staff meets our mission and embodies our core values every day as we deliver services in our community. I am proud to lead these outstanding professionals who give so much.

A handwritten signature in black ink, appearing to read 'Colin S. Altman'.

Colin S. Altman
Chief

Services Provided

We provide a broad range of critical public safety emergency and non-emergency services:

Firefighting

Traditional structural firefighting, vehicle fires, brush fires, and rescues related to these incident types.

Medical Emergencies

We provide state-of-the-art pre-hospital care and transportation of the sick and injured at the Advanced Life Support level.

Prevention

We provide fire safety inspection and prevention education, preparedness information, fire code enforcement, as well as health, safety and CPR & first aid instruction.

Environmental Protection

As a delegated authority agency for the State of Ohio, we inspect and regulate Underground Storage Tanks (USTs). As first responders to hazardous materials incidents, we play a key role in mitigating these types of situations.

Special Rescue

Enhanced training and specialized equipment enable members to perform rescues at technical rescue incidents involving ropes, climbers, and confined spaces. Our members respond to mitigate emergencies involving vehicles and machinery in which victims are trapped.

Emergency Management

We plan for and respond to special events, including the Yellow Springs Street Fairs, Independence Day celebrations, and the AACW Blues Fest. We assist the community in all weather and natural disasters, including storms, floods, blizzards, tornados, and heat waves.

Our Mission

Miami Township Fire-Rescue provides superior fire protection and prevention, rescue and emergency medical care to the residents of and visitors to Miami Township, Clifton and Yellow Springs. We provide opportunities for volunteerism and professional growth for our residents and members.

Our Core Values

Service

The department continues the tradition of answering the call to protect and serve.

Safety

We strive to provide the safest possible environment for our members by providing them with the best equipment and training. We work to reduce risk to the public from fires, emergencies and medical incidents.

Dedication

Commitment to our mission is an essential part of who we are. We are faithful to our obligations and fulfill our duties professionally.

Professionalism

We inspire each other through pride in our Department, and the belief that every action reflects on all of us, both past and present.

Diversity

By bringing together people with different backgrounds and beliefs, we are able to better serve our community.

Our People

Department Members

Our members are the driving force behind our success. They come from all walks of life and span across several generations, dedicating thousands of hours every year for the honor of serving the community. Whether volunteer, part-time or full-time our members work together seamlessly as a team to provide the highest caliber of service.

MTFR Members (As of January 31st, 2013)

Chief Colin Altman	Firefighter/EMT Jeremy Rea
Asst. Chief Denny Powell	Firefighter Brett Houseman
Capt. Aimee Maychack	Firefighter/EMT Nate Ayers
Lt. Chris Kitts	EMT Evan Frantz
Lt. Lee Gillespie	Firefighter/EMT Jeff Price
Sgt. Michael MacVane	EMT Ryan Flake
Firefighter/Paramedic Jason Powell	Firefighter/EMT Alban Holyoke
Firefighter/Paramedic Brandon Wolters	Safety Officer Dave Finster
Paramedic Jeff Reich	Safety Officer Paul Abendroth
Firefighter/Paramedic Nick Scovanner	Claire Triplett
Paramedic Liz McCoucha	Whitney Stallworth
Firefighter/Paramedic Tristan Walker	Anya Gandy
Firefighter/EMT Mark Murphy	Mary Triplett
Firefighter/AEMT Alex Wendt	Antti Luukkonen
Firefighter/EMT César Lopez	
Firefighter Ted Wasserman	<i>Explorer Post 800</i>
Firefighter/EMT Jason McIntosh	Capt. Carter Collins
EMT Steve McFarland	Lt. Nick Miller-Jacobson
EMT Melissa Partee	Lt. Zak Kimmet
EMT Jake Kintner	Sgt. Cayden DeFusco
Firefighter/EMT Zach Jones	Aaron Harshaw
Firefighter/EMT Bob Cooper	Joey Flores
Firefighter/EMT Sarah Bales	Dylan Stepp
Firefighter/AEMT Steve Morse	Danny Grote
Firefighter Kris Collins	Isaiah Slepicka
EMT Dave Meister	Isabella Long
Firefighter/EMT Eric Clinton	
Firefighter Alex Wallace	Dr. Linda Bailey, MD <i>Medical Director</i>
Firefighter/EMT Dave Collins	Dr. Steve Dixon, MD <i>Medical Director</i>

Award Recipients

Every year, the department presents awards to members at our annual holiday party and awards ceremony. The awards are designed to recognize members for their hard work and dedication, and recipients are all nominated by their peers. The holiday party and awards ceremony, held at the Greene Country Club, is a time for members and their family members to relax, laugh and honor their accomplishments. Several of the awards are named in honor of past members.

Certificate of Appreciation – Volunteer Schedule Hours

Firefighter/EMT Bob Cooper & Firefighter/AEMT Steve Morse

Fitness Achievement Award

Firefighter/EMT César Lopez & Firefighter/Paramedic Jason Powell

Explorer of the Year

Captain Carter Collins

Recruit of the Year

Firefighter Brett Houseman & Firefighter Alex Wallace

Warren Watson EMT of the Year

Firefighter/AEMT Alex Wendt

Ralph Overton Firefighter of the Year

Firefighter/EMT Alban Holyoke

Don Rudolf Emergency Responder of the Year

Firefighter/EMT Dave Collins

Top Volunteer Responder of the Year

Firefighter Alex Wallace



About our Members

MTRF members and explorers combined have dedicated 311 years of service to the community. During 2012, our members performed the following:

- 7,592 hours spent on incidents, training, and activities
- 13,930 hours spent by volunteers on call
- 10,783 hours spent by staff on shift (paid)

Nine new members were recruited during the year. Whitney Stallworth, Claire Triplett, firefighter Alex Wallace, EMT Evan Frantz, Anya Gandy, firefighter Cesar Lopez, firefighter/EMT Jeff Price, Antti Luukkonen and Mary Triplett all joined our ranks. Of these, only three were from within the township.

Sergeants Lee Gillespie and Chris Kitts successfully completed the selection process and were promoted to the supervisory position of Lieutenant. As Lieutenants, they are responsible for companies of firefighters and EMTs that are assigned to them. The promotion process included a written exam and an interview board.

In April, long-time members Chaplain David “Zeke” Hanford and Lieutenant Jordan Wescott retired from service and were honored at a ceremony attended by members as well as local and county officials. Hanford served for 15 ½ years while Wescott was with us for 18 years.

Several members gained new certifications during the year:

- **Paramedic:** Jason Powell
- **EMT:** Zach Jones, Cesar Lopez & Dave Meister
- **Firefighter 1:** Brett Houseman
- **Firefighter 2:** Zach Jones



Lee Gillespie & Chris Kitts take the oath of office during their promotional ceremony



Retiring Chaplain David “Zeke” Hanford makes some remarks during the retirement ceremony

Performance Indicators

Key performance indicators for 2012 continued to show improvement in critical areas. Engine and medic response times continued to improve despite fluctuating staff levels. Turnaround times at area hospitals continued to decrease resulting in greater ambulance availability. Residents can feel secure knowing that eighty percent of the time a Miami Township medic unit arrives on the scene of a medical emergency within five minutes of the initial call. This is a four percent improvement over 2011's times.

Response times are a primary benchmark for fire & EMS services and the averages calculated include both emergency and non-emergency responses, but do not include responses to mutual aid requests.

Key Indicators

First Engine	2010	2011	2012
Reaction time (tone to response)	4:53	3:32	3:16
Response time (tone to on scene)	8:20	8:21	7:47

First Medic	2010	2011	2012
Reaction time (tone to response)	3:43	2:54	2:35
Response time (tone to on scene)	7:11	6:59	6:45
Time spent on-scene	15:40	14:30	13:20
Turnaround time at hospital	25:45	25:00	22:00

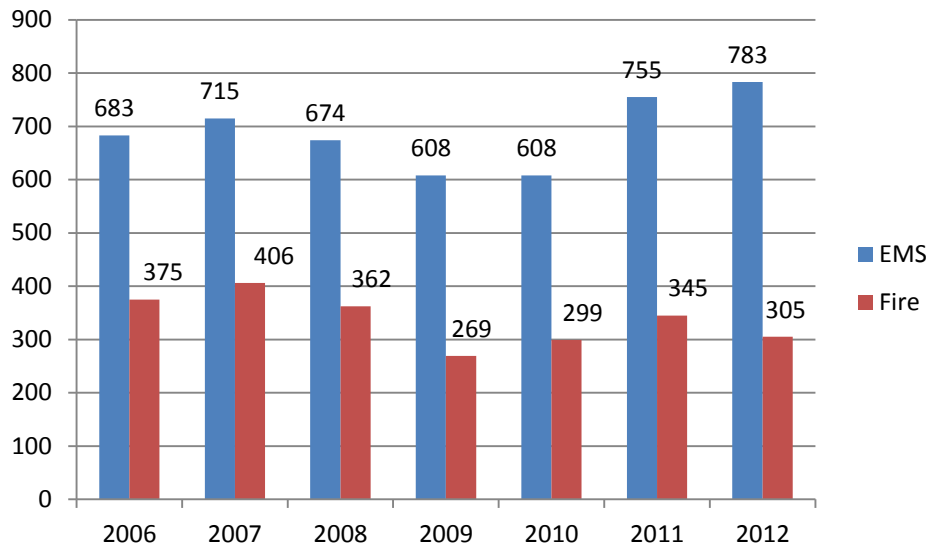
Emergency Medical Service	2010	2011	2012
Paramedic first call availability	94%	94%	87%
Calls handled at the ALS level	83%	83%	89%
Calls handled at the BLS level	17%	17%	11%
Medic unit on scene ≤ 5 minutes	84%	77%	80%

Fire	2010	2011	2012
Dollar loss from fire	\$127,531	\$93,655	\$41,670
Value of property saved	\$151,615	\$428,112	\$493,975
Involved structure value saved	54%	82%	92%

All the above are Township-wide averages, all shifts, in minutes & seconds

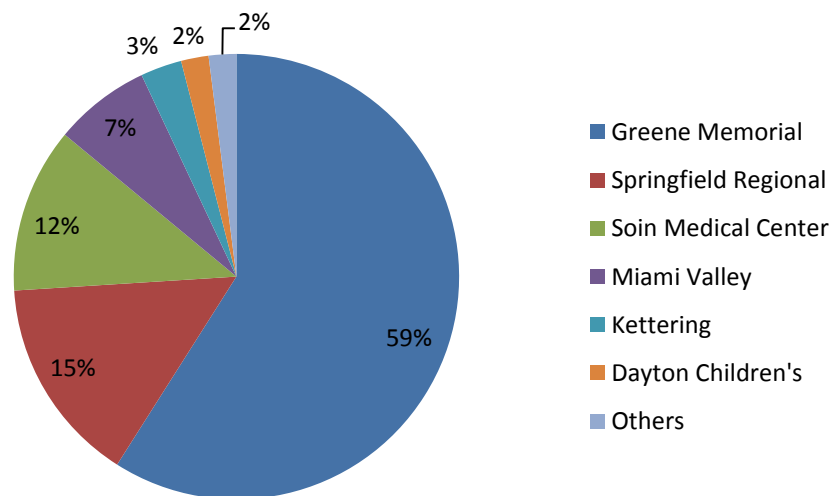
Incident Trends

Total incidents showed a slight decrease in 2012, dropping to 1,088 from 2011's 1,100. Fire/rescue responses dropped approximately eleven percent to 305 incidents, while EMS responses increased almost four percent to an all-time high of 783.



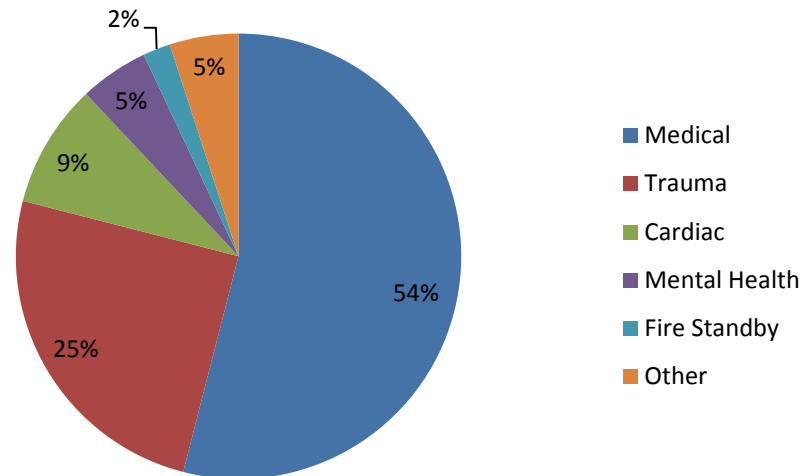
Emergency Medical Services

Our medic units responded to 783 emergency medical incidents during 2012, treating 694 patients and transporting 530 to area hospitals. Transports to Greene Memorial decreased fifteen percent from 2011, most likely due to the opening of Soin Medical Center. The chart below indicates transport destinations:



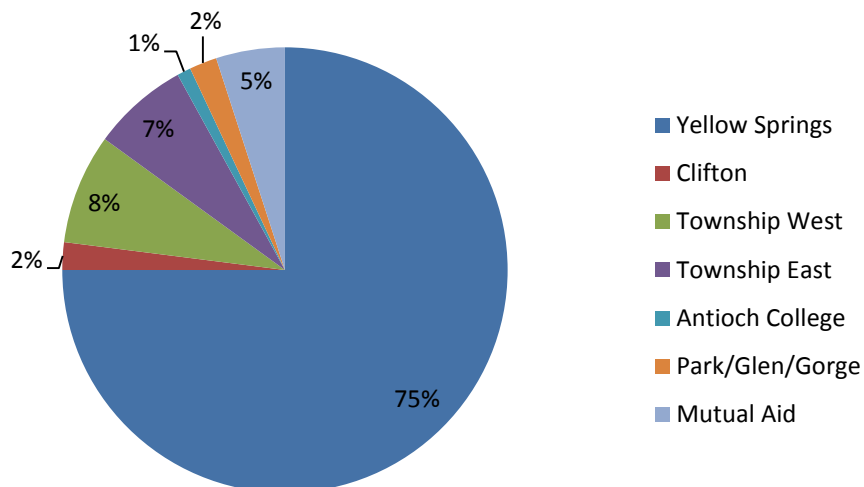
EMS Incident Type

Medical-related problems made up the bulk of our EMS calls, increasing twelve percent from 2011 and accounting for 54% of our volume. These types of incidents include breathing problems, strokes, diabetic emergencies and illnesses.



EMS Incident Location

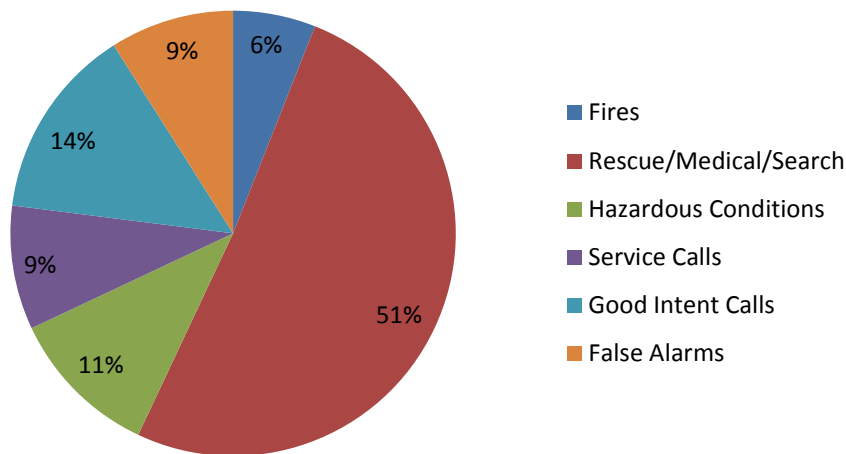
The majority of our EMS call volume continues to occur in the Village of Yellow Springs, making up 75% of our activity. Overall, the distribution of incident location remains relatively unchanged from years past.



Fire-Rescue

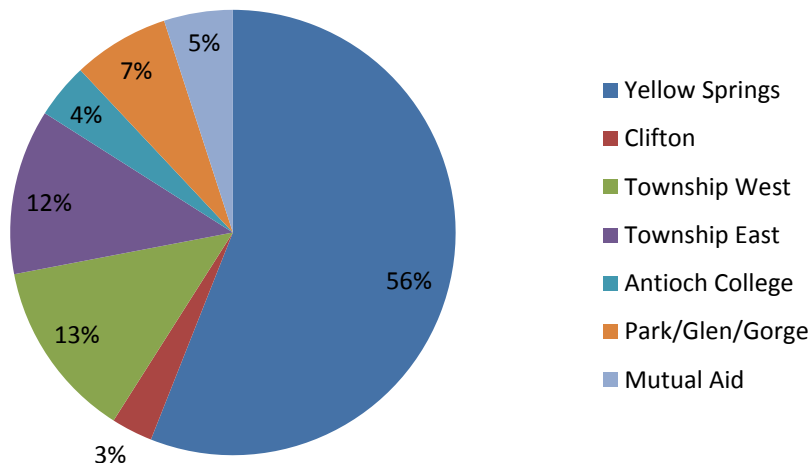
Fire-Rescue Incident Type

Our firefighters responded to 305 fire-rescue incidents in 2012, the majority of which fell into the Rescue/Medical/Search category. This category includes medic assists, motor vehicle crashes, missing person searches, and rescues from wilderness areas.



Fire-Rescue Incident Location

As with EMS, fire-rescue incidents in the Village of Yellow Springs make up the bulk of our activity. However, fire-rescue incidents in the unincorporated portions of the Township increased 25% from 2011 while responses into the John Bryan State Park, Clifton Gorge and Glen Helen doubled.



Training

During 2012, MTRF members completed over 3,000 hours of in-house, on-line and outside training in firefighting, rescue, emergency medical and fire inspection. Four members attended Structural Fire Attack 101 at the Ohio Fire Academy, providing them with two days of hands-on firefighting experience. In the spring, Lt. Kitts attended a one day training seminar in Indianapolis on conducting live fire training sessions. Additional training sessions are highlighted below:

Mass Casualty Management

Members responded to a mock bomb detonation during a concert at the Antioch Amphitheater where they had to contend with an unsafe scene, a small fire and multiple victims to triage and treat.



Staff members dealt with a multitude of problems, including a fire and injured patients. Members of our Explorer Post and volunteers from Wright Patterson AFB played the part of patients.

Prairie Fires

MTFR had the opportunity to conduct prescribed burns of three prairies, providing our staff with invaluable brush fire control training.



Other Trainings



Clockwise from top left: Aerial ladder training with Cedarville Township; practicing patient removal from a rooftop; pump operation training

Prevention & Education Services

Fire prevention and safety education are core components of our mission. We provide fire and underground storage tank (UST) code enforcement, public education activities, and American Heart Association (AHA) CPR & first aid training. Prevention and education services are led by our full-time fire prevention officer Lieutenant Chris Kitts, while Assistant Chief Denny Powell directs our AHA activities. Assistant Chief Powell serves as the chair of the AHA's Ohio Regional Committee, which oversees all AHA training, quality assurance and quality improvement in the state. Prevention and education activities in 2012 included:

- 264 fire safety inspections completed
- 391 fire code violations identified and repaired
- 21 plan reviews conducted
- 11 public education activities held reaching almost 700 people
- 36 fire code consultations
- 39 fire code & 1 UST permits issued
- 29 house signs distributed
- 400+ people trained in CPR, first aid and Advanced Cardiac Life Support

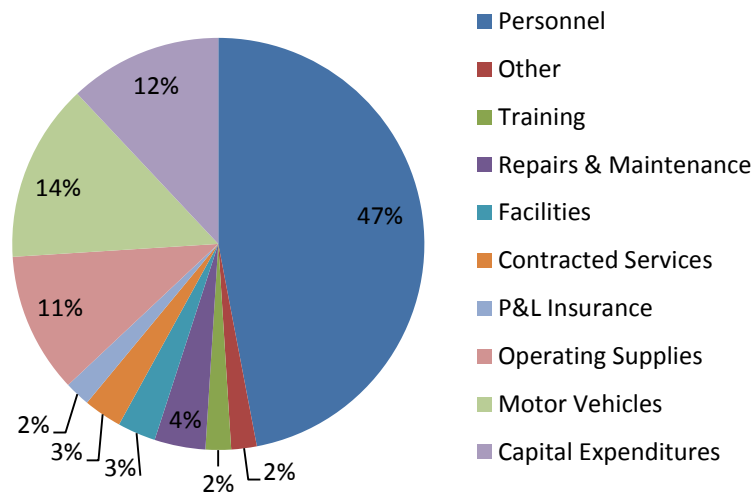


Left to right: Lt. Kitts and Firefighter Brett Houseman conduct an educational activity for local school children during Fire Prevention Week; crews prepare to move a "patient" to CareFlight during a mock crash at Yellow Springs High School.

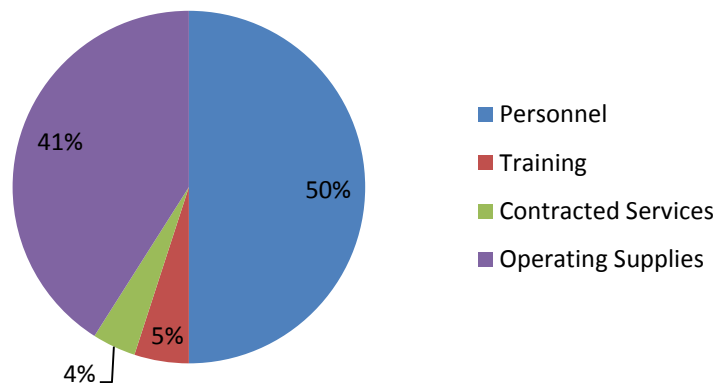
Budget & Finance

Our operating budget runs on a fiscal year of January 1 through December 31 and comes from two sources. The primary (and largest) source is the fire & EMS property tax levy which funds all department operations. This property tax levy must be approved by residents of the Township on a regular basis. Our secondary funding source is EMS transport billing, which is paid by insurance companies to cover the costs of ambulance transport to the hospital.

The appropriated budget through the fire & EMS levy was \$753,712 including carryover from the previous year. We ended the year with 17% remaining.



Our appropriated budget from EMS transport billing was \$202,367 including carryover from the previous year. This fund can only be used for emergency medical purposes. This fund ended the year with 47% remaining as we build up reserves for the replacement of an ambulance.



Apparatus & Facilities

New Brush Truck

In November we placed into service our new brush truck. Designed to respond to off-road fire incidents, it replaced a 29 year old model. Brush 81 was purchased at a substantial savings using a multi-vendor model. The cab and chassis was purchased through a local Ford dealer below state contract price, the utility body was installed at a truck up-fitter in Huber Heights, and the fire pump, water tank and emergency equipment were added by Camp Safety of Cincinnati. We were able to reuse our existing water tank and pump for a considerable savings.



The new Ford F350 cab & chassis prior to outfitting

Apparatus Fleet

Our fleet consists of the following mission-specific units:

- Engine 81: 1996 Seagrave
- Engine 82: 2010 Seagrave
- Brush 81: 2012 Ford/Reading
- Rescue 81: 2004 Ford/Lifestar
- Tanker 81: 1986 Ford/FMC
- Medic 81: 2005 Ford/Braun
- Medic 82: 2006 Ford/Lifestar
- Squad 81: 2008 Dodge Dakota
- Command 80: 2004 Ford Explorer



The finished product ready for action

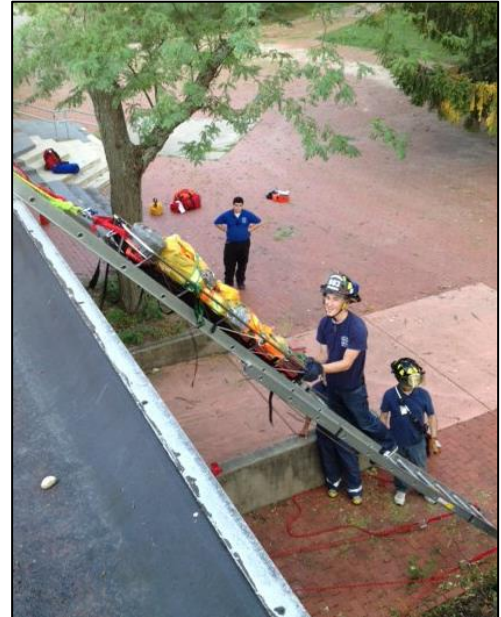
Facilities

During 2012 we continued the process of working to acquire property on which to locate a replacement for Station 81 (Yellow Springs). Station 82 (Clifton) received upgrades to the restrooms providing a more modern and comfortable environment.

MTFR in Pictures



Father and son: Firefighter/EMT Dave Collins & Explorer Carter Collins



Special Response Team members practice rescuing a patient from a roof



Explorer Post 800 in action at hose operation training



Orientation to new vehicle rescue tools

MTFR 2012 Annual Report

Written by

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Photos by

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Firefighter/EMT Robert Cooper

Firefighter Kris Collins

Firefighter/EMT Dave Collins

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