

MCFRS

COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

B. Services Provided

MCFRS maintains a fleet of over 520 vehicles which respond to approximately 100,000 incidents per year. Staffing is provided by over 1,200 career personnel, working about 270 personnel per shift on a 24/48 schedule, and over 800 volunteers.

Service Delivery Programs

Fire Suppression

MCFRS responds to approximately 30,000 fire related incidents annually. Of these responses over 700 are classified as structure fires with the remaining being other fires, hazardous conditions, service calls, good intent calls, and false alarms.

Engine Company

MCFRS fully staffs 32 CAFS equipped engine companies with a minimum of a 750 gallon water tank, a 1500 gpm single stage pump, 25 gallons of Class A foam, and 25 gallons of Class B foam. 23 of these engines are staffed with four personnel with one of the four being an ALS provider; the remaining 9 engines are staffed with three personnel. Engines staffed with ALS providers have a full complement of ALS equipment. All engines are equipped with a pre-connected deck pipe, ground ladders, hard sleeves for drafting, and at least 2000' of 4" supply line. Each CAFS engine has six pre-connected lines ranging from 1.75" to 2.5" with five of the six being CAFS capable and the last line, the Blitz fire line, being foam solution capable.

MCFRS also has seven stations which have more than one Engine Company assigned. The additional engines in these stations are either cross-staffed by career personnel, or staffed by volunteers when available, depending on the availability of personnel and the incident type. Three of these engines are four-wheel drive units equipped with 500 gallon tanks and front mounted pumps. These units are primarily deployed for brush fires and rural water supply responses. Two units are engine tankers equipped with a minimum of a 1500 gallon water tank, one is CAFS equipped; they are used for rural responses. In addition to these

MCFRS COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

specialized units there are eleven stations that have additional engines available to be staffed by available volunteer personnel. MCFRS also maintains a reserve fleet of 19 engines, of which 6 are CAFS equipped.

Truck Company

MCFRS fully staffs fourteen truck companies that utilize a variety of apparatus types. Five of the trucks are 100' tractor drawn aerials, which are also equipped with vehicle extrication tools. The tractor-drawn units carry hydraulic rescue tools, jacking and lifting equipment, cribbing, chains and other equipment associated with vehicle rescue incidents.

Five of the trucks are 100' rear-mount All Steer towers. Two trucks are 95' mid-ship towers, and the remaining truck is a 100' rear mount aerial. In addition to the staffed truck companies one 100' rear mount aerial is cross-staffed and one 100' mid-ship tower is assigned to a station and staffed by volunteer personnel when available.

The trucks have varying complements of ground ladders up to 45' in length, high angle rescue equipment, forcible entry tools, electric and gasoline powered smoke ejectors, gasoline powered circular and chain saws, generators, lighting, salvage equipment, and a variety of large and small hand tools. MCFRS also maintains a reserve fleet of 8 truck companies: 3 tractor drawn, 4 towers, and 1 rear mount aerial.

In August of 2013, MCFRS will place an additional truck service at Fire Station 24 (AT724) for approximately eighteen (18) months. MCFRS was awarded a subsequent SAFER Grant which will enable the temporary restoration of aerial service in Battalion One. The determination was made after extensive review and analysis identified its need. At the conclusion of the eighteen month term, Montgomery County will actively monitor response data, available staffing, as well as residential and commercial growth to project continued need in funding this critical resource.

MCFRS

COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Brush Trucks

MCFRS operates fifteen brush trucks. These vehicles are generally full size four wheel drive pickup trucks with skid mounted 200-250 gallon water tanks and pumps. These units are equipped with booster reels, forestry hose, chain saws, and assorted hand tools. These units are cross-staffed with personnel assigned to other units in the stations that they are located in. They are dispatched on brush (wildland) fire assignments and are sometimes used on other responses based on the discretion of the station officer.

Tanker (Water Tender)

MCFRS operates nine cross-staffed tankers (water tenders). These units are equipped with elliptical tanks in the range of 3000 to 3500 gallons of water, and at least a 1250 gpm pump. All of these units have rear and side dumps that enable the units to quickly discharge the water tanks at dump sites. These units are assigned to stations with non-hydranted boxes in their response areas and are cross-staffed by personnel assigned to other units when needed for a response. Each of these units is also equipped with a minimum of a 4000 gallon folding tank to support water shuttle operations.

Rescue

MCFRS responds to approximately 800 rescue incidents a year. More than 350 of these incidents are vehicle collisions with people trapped. Additionally, there are responses for machinery entrapment, building and trench collapses, and other rescue related incidents. Rescue Squads MCFRS operates 6 heavy rescue squads. Two are fully staffed, one is cross-staffed, three of these units are staffed by career personnel during the day with volunteer personnel staffing them at night, one unit is fully staffed by volunteer personnel, and two units are co-located with other rescue squads and staffed by volunteer personnel as available. These vehicles are equipped with a wide spectrum of heavy rescue equipment including hydraulic rescue tools, lifting and jacking equipment, cribbing, winches, chains, high angle rescue equipment, generators, compressors, cascade systems, lighting, power saws, large and small hand tools, and salvage equipment.

MCFRS

COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

MCFRS has one reserve rescue squad in addition to the two sets of co-located rescue squads of which one unit in each set can be used as a reserve when needed.

Rescue Engines

MCFRS has one rescue engine and one engine tanker equipped as a rescue engine. Both of these units are in rural areas of the county and provide auto extrication capability in their response areas. In addition to carrying a normal inventory of engine equipment these units also carry hydraulic rescue tools, jacking and lifting equipment, cribbing, chains and other equipment associated with vehicle rescue incidents.

Medical

MCFRS responds to approximately 80,000 EMS incidents per year. Approximately 45000 of these incidents are classified as BLS responses with the remainder being ALS responses. All MCFRS personnel are trained to the EMT-B provider level as a minimum. All MCFRS apparatus are equipped to act as a BLS first responder and respond as such when BLS transport unit response times are extended. Additionally, 23 engines and 1 truck are staffed with at least one ALS provider and equipped with ALS equipment. These units, in combination with the ALS transport units, provide ALS delivery capability.

Basic Life Support

MCFRS staffs 21 BLS transport units with two BLS providers. The ambulances are the primary BLS response units. When response times are extended fire apparatus is assigned to act as a first responder. These ambulances also act as first responders on ALS incidents when they are either the closest available unit or the closest available transport unit. They respond to these incidents in combination with ALS equipped fire apparatus and/or ALS transport units.

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COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Advanced Life Support

MCFRS staffs 18 ALS transport units with one ALS provider and one BLS provider. The medic units are the primary ALS response units and respond to incidents coded as ALS-1 responses (requiring only one ALS provider) by themselves if they are the closest unit. For ALS-2 responses (where two ALS providers are required) an ALS staffed fire unit responds to provide the second ALS provider. Additionally, depending on incident proximity, a BLS first responder unit and/or an ambulance may also be dispatched on ALS incidents.

Hazardous Materials

Hazmat units are housed at stations 7 and 28. These vehicles are equipped with monitoring, testing, containment, and collection equipment along with an extensive inventory of personal protective equipment and decontamination equipment for entry and decontamination teams.

Specialized Services

Urban Search and Rescue

Station 31 is the primary US&R station. A dedicated US&R warehouse houses the equipment cache for the US&R team and the team's vehicle fleet is stored at the station. The US&R team provides a wide variety of technical rescue capabilities that are utilized in the county, regionally, and nationally. The team is trained to respond to trench and confined space incidents, structural collapses, man-made and natural disasters. For local and regional responses US&R personnel are consolidated into several stations providing an immediate response capability.

For national responses the team is capable of operating continuously on deployments up to two weeks long and deploying within 6 hours of notification for national responses. Depending on the type national response the team deploys with between 30 and 80 personnel.

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COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Water Rescue

MCFRS has swift water and flat water response capabilities. Boats are housed in stations throughout the county with the boats being concentrated along the eastern and western edges of the county where the Potomac and Patuxent rivers border the county. For swift water rescues boats respond in teams with helicopter support provided either by the United States Park Police or the Maryland State Police.

Mass Casualty

MCFRS is equipped with two 20 patient ambulance buses located at stations in the north and south central areas of the county. Each bus is paired with a mass care support unit stocked with EMS supplies for treating up to 100 patients.

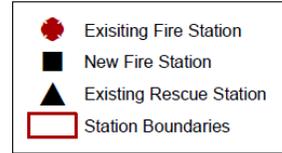
Bomb Disposal

The Fire and Explosives Investigation section provides bomb disposal capabilities. The section has investigators who are certified bomb disposal technicians. They utilize two bomb disposal vehicles that are equipped with a robot, a containment vessel, an x-ray machine and many other technical capabilities.

MCFRS COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Current Deployment

FIRE AND RESCUE STATIONS

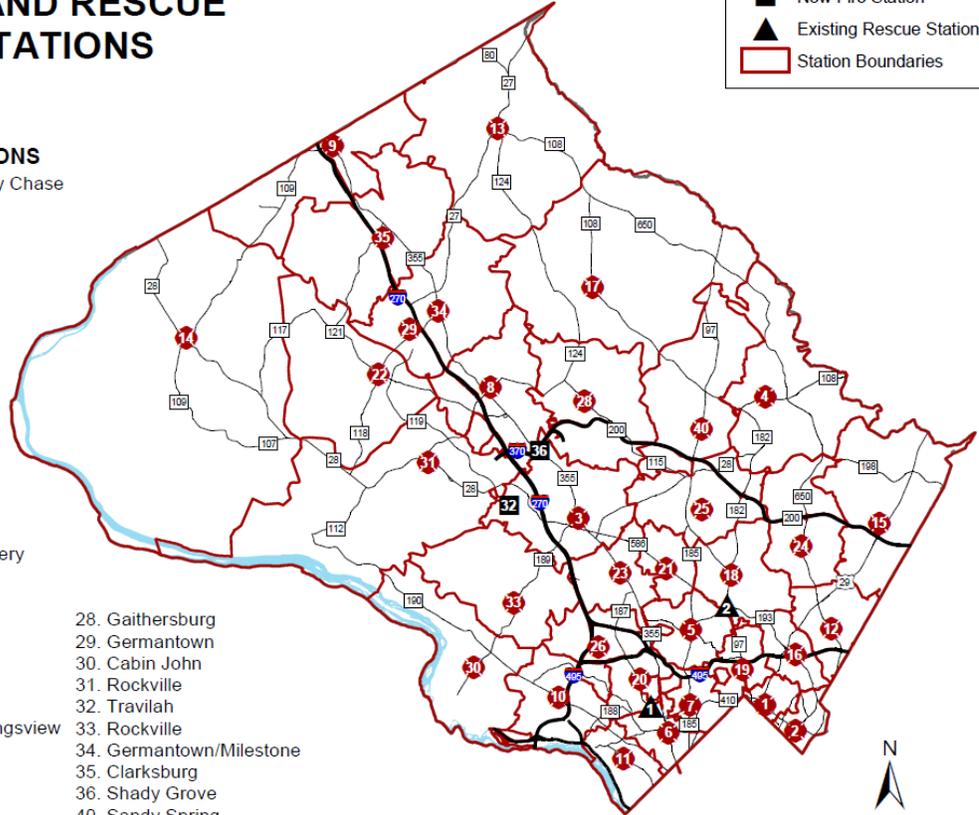


RESCUE STATIONS

1. Bethesda- Chevy Chase
2. Wheaton

FIRE STATIONS

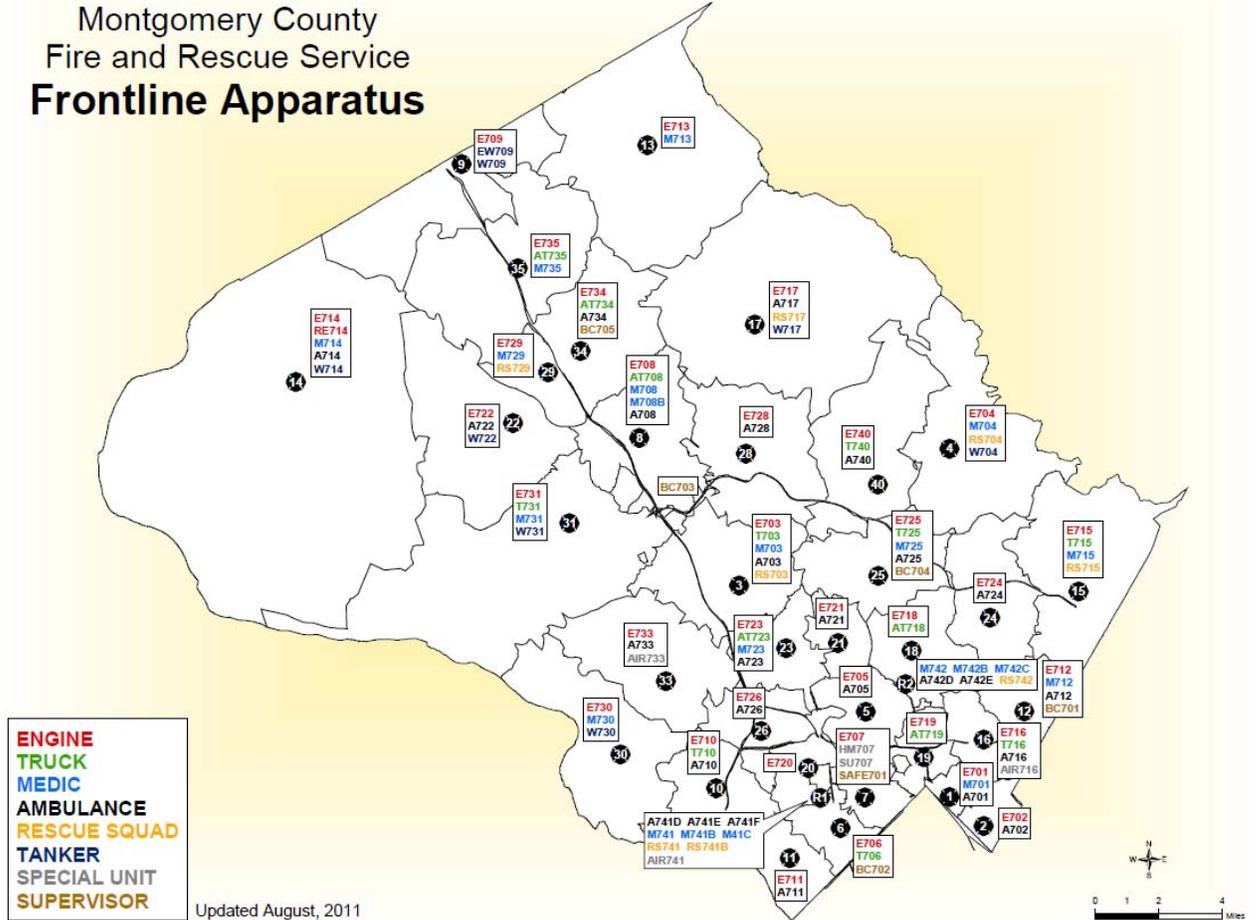
- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Silver Spring 2. Takoma Park 3. Rockville 4. Sandy Spring 5. Kensington 6. Bethesda 7. Chevy Chase 8. Gaithersburg 9. Hyattstown 10. Cabin John 11. Glen Echo 12. Hillandale 13. Damascus 14. Upper Montgomery 15. Burtonsville 16. Silver Spring 17. Laytonsville 18. Kensington 19. Silver Spring 20. Bethesda 21. Kensington 22. Germantown/Kingsview 23. Rockville 24. Hillandale 25. Kensington 26. Bethesda | <ol style="list-style-type: none"> 28. Gaithersburg 29. Germantown 30. Cabin John 31. Rockville 32. Travilah 33. Rockville 34. Germantown/Milestone 35. Clarksburg 36. Shady Grove 40. Sandy Spring |
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MCFRS COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Resources

Montgomery County Fire and Rescue Service Frontline Apparatus



MCFRS COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Resource Staffing

Operations Division Weekday Field Staffing Matrix								
Worksite	A/C	B/C	Capt	Lt	MF/F	MF/P	F/F	F/P
ECC			1	1	1		4	
DOC Office	1		2		1			
BC701		1						
FS01			1		1	1	4	1
FS02			1		1		3	
FS12			1		1	1	4	1
FS15			1		3	1	2	1
FS16			1	1	2		4	1
FS19			1	1	2		2	1
FS24			1		1		3	1
BC702		1						
R1						1	1	
FS06			1	1	2		2	1
FS07			1		1		1	1
FS10			1	1	2		4	
FS11			1		1		3	
FS20			1		1		1	
FS26			1		1		1	
FS30			1		1	1	2	1
BC703		1						
FS03			1	2	3	1	6	1
FS08			1	1	2	2	6	2
FS23			1	1	2	1	5	1
FS28			1		1		3	1
FS31			1	1	2	1	3	1
FS33			1		1		3	1
BC704		1						
FS04			1		1	1	1	1
FS05			1		1		3	
FS18			1	1	2		2	1
FS21			1		1		3	1
FS25			1	1	2	1	5	1
FS40			1		1		3	
R2			1		1	2	5	
BC705		1						
FS09			1		1		1	
FS13			1		1	1	1	1
FS14			1		1	1	2	1
FS17			1	1	2		4	1
FS22			1		1		3	1
FS29			1	1	2	1	3	1
FR34			1	1	2		4	1
FS35			1	1	2	1	3	1
Totals	1	5	38	16	54	18	110	27

269

MCFRS
COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Operations Division Night and Weekend Field Staffing Matrix									
Worksite	A/C	B/C	Capt	Lt	MF/F	MF/P	F/F	F/P	
ECC			1	1	1		4		
DOC Office	1		2		1				
BC701		1							
FS01			1		1	1	4	1	
FS02			1		1		3		
FS12			1		1	1	4	1	
FS15			1		2	1	2	1	
FS16			1	1	2		4	1	
FS19			1	1	2		2	1	
FS24			1		1		3	1	
BC702		1							
R1							1		
FS06			1	1	2		2	1	
FS07			1		1		1	1	
FS10			1	1	2		2		
FS11			1		1		3		
FS20			1		1		1		
FS26			1		1		1		
FS30			1		1	1	2	1	
BC703		1							
FS03			1		1	1	2	1	
FS08			1	1	2	2	6	2	
FS23			1	1	2	1	5	1	
FS28			1		1		3	1	
FS31			1	1	2	1	3	1	
FS33			1		1		3	1	
BC704		1							
FS04			1		1	1	1	1	
FS05									
FS18			1	1	2		2	1	
FS21			1		1		3	1	
FS25			1	1	2	1	5	1	
FS40			1		1		3		
R2									
BC705		1							
FS09			1		1		1		
FS13			1		1	1	1	1	
FS14			1		1	1	2	1	
FS17			1		2		3	1	
FS22			1		1		3	1	
FS29			1	1	2	1	3	1	
FR34			1	1	2		4	1	
FS35			1	1	2	1	3	1	
Totals	1	5	36	13	48	15	92	27	237

MCFRS COMMUNITY RISK ANALYSIS AND STANDARDS OF COVER

Resource First Due Response Areas

