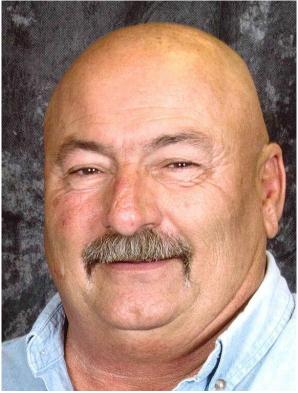
ANNUAL REPORT FY2022

Mapaville Fire Protection District



Presented February 20, 2023

This Annual Report is dedicated to the memory of Ronald R. Beckett.



November 22, 1952 - February 21, 2022

Years of Service: 1985 – 2022

Mr. Ronald R. Beckett began his service with the Mapaville Fire Association in March of 1985 as a volunteer firefighter and progressed to the rank of Captain. He also served on the Board of Directors for the Association. In August of 2000, upon the creation of the Mapaville Fire Protection District, Ron was elected as the first member of the Board of Directors. He served as a Director, Vice-Chairman and Chairman of the Board. During tumultuous times, Ron's voice provided calm and reason to discussions as well as the occasional and well-timed joke or limerick. Ron is deeply missed by all that knew him.

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It is the mission of the Mapaville Fire Protection District to work as a team to serve the community by providing fire protection, rescue, basic emergency medical services, and enhance the community through education and fire prevention, as well as having the highest regard for the personal safety of the public and District personnel.

Message From the Fire Chief David Brown

I would like to thank you for taking the time to read the Mapaville Fire Protection District's Fiscal Year 2022 Annual Report. Since the spring of 2018, the Mapaville Fire Protection District has continued to grow and develop the necessary skills needed to properly provide all-hazards service to all who live, work, and pass through our neighborhood. This report will outline some of our long-term growth but will focus on the growth which has occurred in the last year.

Also included in this report is data regarding the fiscal management of the District in 2022, incident responses, equipment acquisition, expansion of services, notable incidents, and any other pertinent information regarding the District's operations throughout 2022.



From the men and women at the Mapaville Fire Protection

District, I would like to personally thank you for granting us the opportunity to proudly serve you and your families, friends, and co-workers. If you have any questions, please feel free to contact me or stop by YOUR engine house and take a tour.

Sincerely,

David G. Brown Fire Chief

Board of Directors

The Board of Directors of the Mapaville Fire Protection District consists of five members, elected by the public, to represent and manage the fiscal operations of the District. Directors are elected for six-year terms, with elections being held during April of every odd numbered year. All Directors have completed mandatory training regarding their roles and responsibilities.



Marvin Boehme - Board President/Chairman

Mr. Boehme has served on the Board of Directors since 2017. He works for Public Water Supply District #7. He and his wife Kaye have three children. In his free time, he enjoys volunteering as a Firefighter for the Goldman Fire Protection District, camping and fishing.

Sherri Hensley - Vice Chairwoman

Mrs. Hensley has served on the Board of Directors since 2017. She and her husband Ted have four children. With 33 years of experience in finance, has spent the last 4 years in Senior Accounting Management at a Robotics and Automation Manufacturing company in Maplewood. Previously was the Director of Finance for 25+ years at a Clayton Advertising Agency. Prior to being elected, volunteered in support activities for the fire district. Worked with Health and Senior Services in St. Louis for 12 years. Maintained financial records for several churches, was a volunteer leader with the Boy Scouts of America and help organize a fundraising drive for the St. Louis County Police Department. I pledge to diligently continue using my skills and fiscal experience to promote



and enhance the mission of the Mapaville Fire Protection District. Working as a team to serve the community by providing quality fire protection, rescue and basic emergency medical services to the citizens we serve.



Annette Acre – Secretary/Treasurer

Mrs. Acre has served on the Board of Directors since 2014. She and her husband Frosty have three grown children and two grandchildren. She devotes her time as a student ministry leader at the First Baptist Church Festus/Crystal City, working in the family business, and spending time traveling with her family and friends.

Pat Francis - Member

Ms. Francis has served on the Board of Directors since 2020. An educator and civil servant, she is a life-long resident of Jefferson County and a Mapaville resident for the last 23 years. After teaching at the high school level, Ms. Francis worked as an office administrator and developed an interest in graphic design. She later expanded her graphic design talent as a county employee in the Stormwater Division.

During her 16 year tenure with Jefferson County Government, she wrote a staff newsletter and periodically taught Excel and PowerPoint programs. She also tested for and achieved certification in floodplain management.

Ms. Francis was educated at Southeast Missouri State University where she earned a Bachelor of Science degree in Business Education. Now retired, she spends her time with her dog, Buddy and cat, Tigger.





Kevin Lacostelo - Member

Mr. Lacostelo and his wife became Mapaville residents in 2017 after residing in South St. Louis City since 1982. They deeply appreciate the quality of life in quiet rural neighborhoods, the open spaces, rolling hills, curvy roads, the forest and pastures and the hospitality and friendships they've been gifted in Mapaville.

Mr. Lacostelo's wife is a life long nurse and is preparing for her retirement from military service this year. They hope to spend more time gardening, expand their beekeeping activities and be able to travel here in the US.

Mr. Lacostelo retired from the 932nd AES in 1999 after entering Air Force service in 1976 where he completed training as a dental specialist, hospital medic and achieved his EMT in the civilian community. After completing his first enlistment he moved to St. Louis to continue education. He was awarded a BA degree in General Studies with a Chancellor's Certificate in Writing and International Studies while he was also serving as a flight medic in the 73rd AES. His duties included assignment in the training division as an instructor for new flight medics and he assisted with training exercises, planning exercises, observing and evaluating all aspects of flight medic training. Mr. Lacostelo was deployed to Panama, Colombia and Germany where he flew medi-vac missions throughout the European theater of operations.

After retiring from the Air Force Reserves at Scott AFB, IL he continued his nursing education and training and achieved his RN in 2014 and completed his BSN in 2017. He has since worked in hospice care and long-term skilled care.

His hobbies include home maintenance, beekeeping, gardening and caring for his three beagles and a cat.



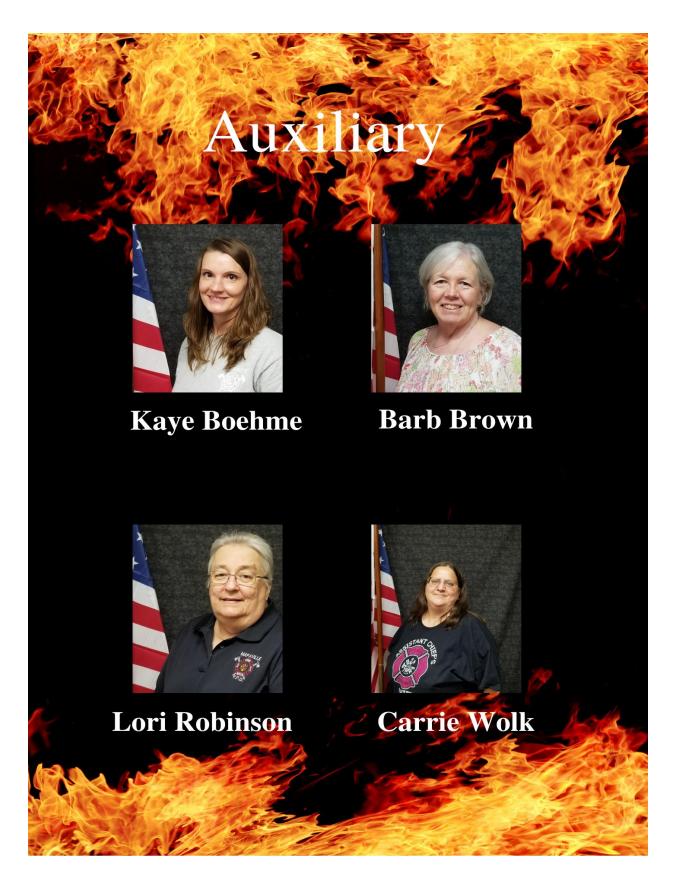




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Military Veteran Members

We proudly recognize the following members for their prior and current service in the United States Armed Forces. Thank you all for your service!



District Information and History

The Mapaville Fire Protection District was formed by a majority vote of the citizens in August of 2000. Prior to that, fire protection throughout the 14.2 square miles was provided by the Mapaville Fire Association. The Association was formed in 1952 by area farmers who realized the need for an organized fire department in the area after suffering a large wildland fire which destroyed their crops. During that time, funds were raised for the Association's operation by selling fire tags and hosting fund raising events including the renowned bingos that were held on the 2nd and 4th Saturdays every month until 2000.

Founding members of the Mapaville Fire Association:

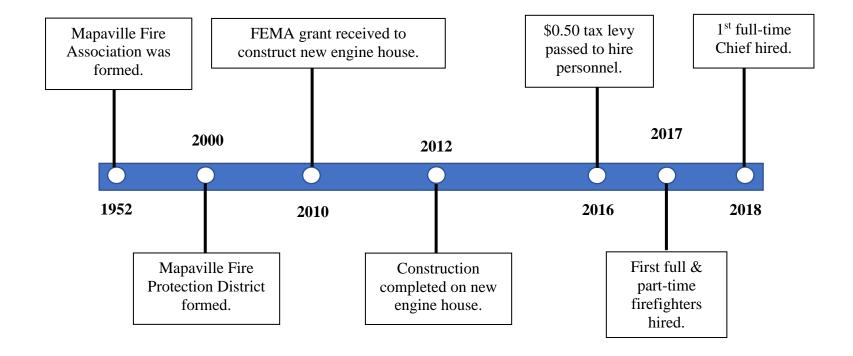
Fred Bargen	Earl Daughtee	George Dietz	William Gruber
Walter How	Oliver Judd	Art Kroehrer	Louis Kuhlman
Ray Morgan	Newman Ogle	John Peterein	Lorenz Pooker
Ray Sondag			

Upon the creation of the fire district, operational funds were derived from the collection of a \$0.30 real estate and personal property tax. Since 2000, voters within the District elected to increase the tax rate three times. The successful passage of those tax measures helped the District purchase new fire apparatus, update severely outdated equipment, add new equipment to expand and augment services, construct a new engine house, and eventually to hire the first full-time Firefighters and Fire Chief.









District Coverage Information

The Mapaville Fire Protection District provides "all-hazards" response coverage to 14.2 square miles of rural Jefferson County, Missouri. The term "all-hazards" means that the District will respond to multiple types of hazards including fires, automobile accidents, hazardous materials incidents, specialty rescue incidents and much, much more. The District currently carries a "Class 4" rating with the Insurance Services Organization (ISO).

The District borders five other fire service agencies:

- Goldman Fire Protection District (north)
- Hillsboro Fire Protection District (west)
- Dunklin Fire Protection District (north east)
- City of Festus Fire Department (east)
- Hematite Fire Protection District (south east)

Each of the neighboring agencies aid Mapaville during emergency incidents. Due to this, crews from each agency frequently train together to effectively deliver services when called upon. Over the last several years, working relationships with all of our mutual-aid partners have been fostered, developed, and improved in order to provide the best services possible to all of our residents.



All Mapaville residents receive emergency medical services from the Joachim-Plattin Ambulance District.





Our single engine house located at 3687 Plass Rd. was completed in 2012. The 16,000 square foot facility is home to the Mapaville Fire Protection District and the Joachim-Plattin Ambulance District Station #5. Funds to build the facility were provided in part by a FEMA Assistance to Firefighters (AFG) grant that was awarded in 2010.

One of the features of the facility is a large meeting room that is available for public meetings, birthday parties, subdivision meetings, or many other functions. Several subdivisions throughout the District currently utilize the space for their regular meetings.



Apparatus



6700C

2013 Ford Interceptor Utility

- Assigned to the Fire Commissioner
- Utilized as an incident command post during emergencies.

6700

2020 Ford F250

- Assigned to the Fire Chief
- Utilized as an incident command post during emergencies.
- Snowplow capabilities to clear
 District-owned parking lots and into
 emergencies to allow access for
 larger trucks.



6701

2007 Ford F150

- Assigned to the Assistant Chief.
- Utilized as an incident command post during emergencies.
- Snowplow capabilities to clear
 District-owned parking lots and into emergencies to allow access for larger trucks.



6710

2007 Freightliner/Rosenbauer Pumper/Light Rescue

"2nd out truck"

1,500 gallons per minute (gpm) Waterous pump

1,000 gallons of water

Hurst hydraulic rescue tools (cutter, spreader, ram, pedal cutter)

1,075 feet of 5" diameter supply hose

400 feet of 3" diameter supply hose

- 2 200 ft 1 3/4" crosslays
- $1 200 \text{ ft } 2 \frac{1}{2}$ " crosslay
- 2 10 foot 6" diameter hard suction hoses
- 4 self-contained breathing apparatus (SCBA)
- 4 spare SCBA cylinders

10 gallons of AR-AFFF foam

4-gas detector, thermal imaging camera

Ladders (35' ground, 14' roof, 10' attic)

Full complement of hand tools

Chain saw, K-12 saw, leaf blower, reciprocating saw

Forestry hose

Basic life support EMS equipment

Removable frame-mounted winch

Hydraulic generator

Battery powered ventilation fan



6713 2003 Freightliner/Rosenbauer Tanker

500 gpm Waterous pump 2,000 gallons of water 2,000 gallon drop tank

10" speed dump

- 1-200 foot $1\sqrt[3]{4}$ " crosslay
- 1 100 foot 3" crosslay
- 2 10 foot 3" diameter hard suction hose
- 3 rear-mounted direct tank fills
- 2 SCBAs with spare cylinders

Leaf blower

Forestry hose

Basic life support EMS equipment

4-gas detector



6714

2014 Rosenbauer Commander Pumper/Medium Rescue

"1st out" truck

1,500 gpm Hale pump

1,000 gallons of water

Hurst electric rescue tools (cutter, spreader, ram)

Vehicle stabilization structs

1,075 feet of 5" diameter supply hose

500 feet of 3" diameter supply hose

2 -200 foot 1 ³/₄" crosslays

2 – 10 foot 6" diameter hard suction hoses

4 – self contained breathing apparatus (SCBA)

6 – spare SCBA cylinders

10 gallons of AR-AFFF foam

4-gas detectors, thermal imaging cameras, assortment of hazardous materials absorbents Ladders (24' ground, 14' roof, 10' attic)

Chain saw, K-12 saw, leaf blower, reciprocating saws, bottle jack

Forestry hose

Low angle rescue ropes and equipment

Water rescue ropes, flotation devices and other equipment

Full complement of hand tools

Basic life support EMS equipment

Removable frame-mounted winch

Hydraulic generator

Battery powered ventilation fan



6718 2016 Ford F450 brush/compact EMS unit

250 gallon water tank
100 gpm pump
100 feet 1" booster hose
100 feet 1 ½" forestry hose
500 feet 1" forestry hose
2 – 10 foot 2" diameter hard suction hose
Chain saw, leaf blowers, rakes
Assortment of hand tools
Front bumper-mounted winch
4-gas detector
2 SCBAs with spare cylinders
Basic life support EMS equipment



6719

2013 Ford E350 15-passenger van

- Asset of Jefferson/Franklin counties Task Force 5
- Personnel hauler and warming/cooling vehicle for large incidents.

6789

2004 Bobcat side-by-side

- Asset of the Jefferson County HazMat Team, housed at Mapaville under a cooperative agreement.
- 70-gallon water tank with gasoline powered pump
- Patient hauling capabilities.
- Utilized for brush fires, remote EMS calls, and large public events such as the County Fair.



RANGER

6799

2005 Polaris 6x6 side-by-side

- Asset of the Jefferson County HazMat Team, housed at Mapaville under a cooperative agreement.
- Patient hauling capabilities.
- Utilized for brush fires, remote EMS calls, and large public events such as the County Fair.



6794

2004 Spartan/Crimson pumper

Owned by the Hillsboro Fire Protection District as a shared reserve pumper for both fire districts.

1,000 gallons of water

1,250 gpm pump

1,000 feet of 5" supply hose

400 feet of 3" supply hose

Hurst hydraulic rescue tools

4 SCBAs and spare cylinders

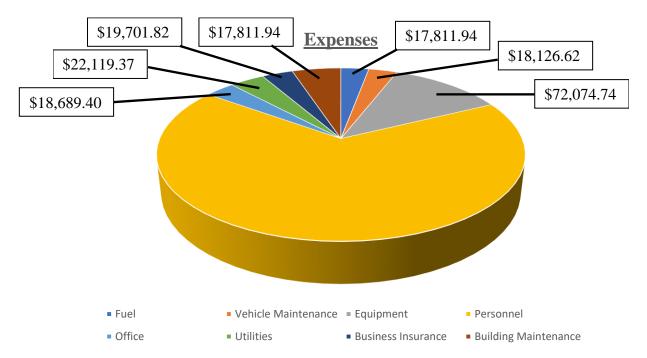
Positive and negative pressure fans

Hydraulic generator

Ladders (35' ground, 14' roof, 10' attic)

Budget and Expenses

The budget for the 2022 fiscal year was set at \$663,781.03, with \$20,000 of such being utilized from reserve funds for new equipment purchases. Throughout the year, the budget was amended several times to account for unforeseen circumstances and additional purchases to upgrade equipment and response capabilities.



Personnel related expenses accounted for approximately 59% of all expenses for the year and are detailed as follows:

 Wages:
 \$340,028.46

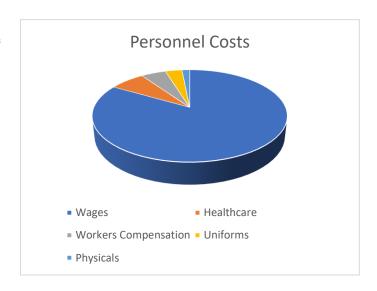
 Healthcare:
 \$38,372.18

 Work Comp:
 \$20,013.08

 Uniforms:
 \$13,437.16

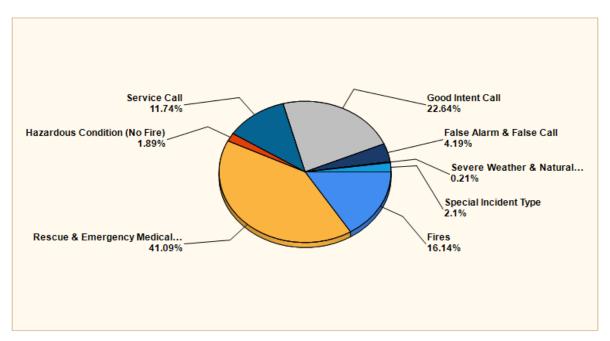
 Physicals:
 \$6,234.97

 Total
 \$408,085.85



Incident Responses

2022 was the second busiest year in District history. Crews responded to a total of 477 calls for service throughout the year.



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	77	16.14%
Rescue & Emergency Medical Service	196	41.09%
Hazardous Condition (No Fire)	9	1.89%
Service Call	56	11.74%
Good Intent Call	108	22.64%
False Alarm & False Call	20	4.19%
Severe Weather & Natural Disaster	1	0.21%
Special Incident Type	10	2.1%
TOTAL	477	100%

Detailed Breakdown by Incident Type		
INCIDENT TYPE	# INCIDENTS	% of TOTAL
100 - Fire, other	2	0.42%
111 - Building fire	30	6.29%
114 - Chimney or flue fire, confined to chimney or flue	3	0.63%
118 - Trash or rubbish fire, contained	3	0.63%
121 - Fire in mobile home used as fixed residence	3	0.63%
130 - Mobile property (vehicle) fire, other	1	0.21%
131 - Passenger vehicle fire	2	0.42%
132 - Road freight or transport vehicle fire	1	0.21%
138 - Off-road vehicle or heavy equipment fire	2	0.42%
140 - Natural vegetation fire, other	1	0.21%
141 - Forest, woods or wildland fire	7	1.47%
142 - Brush or brush-and-grass mixture fire	15	3.14%
143 - Grass fire	3	0.63%
151 - Outside rubbish, trash or waste fire	4	0.84%
311 - Medical assist, assist EMS crew	27	5.66%
320 - Emergency medical service, other	2	0.42%
321 - EMS call, excluding vehicle accident with injury	112	23.48%
322 - Motor vehicle accident with injuries	41	8.6%
324 - Motor vehicle accident with no injuries.	12	2.52%
341 - Search for person on land	1	0.21%
352 - Extrication of victim(s) from vehicle	1	0.21%
412 - Gas leak (natural gas or LPG)	2	0.42%
422 - Chemical spill or leak	1	0.21%
440 - Electrical wiring/equipment problem, other	1	0.21%
441 - Heat from short circuit (wiring), defective/worn	2	0.42%
444 - Power line down	2	0.42%
445 - Arcing, shorted electrical equipment	1	0.21%
500 - Service Call, other	2	0.42%
511 - Lock-out	1	0.21%
542 - Animal rescue	1	0.21%
551 - Assist police or other governmental agency	3	0.63%
553 - Public service	4	0.84%
554 - Assist invalid	9	1.89%
571 - Cover assignment, standby, moveup	36	7.55%
600 - Good intent call, other	1	0.21%
611 - Dispatched & cancelled en route	84	17.61%
622 - No incident found on arrival at dispatch address	14	2.94%
631 - Authorized controlled burning	4	0.84%
632 - Prescribed fire	1	0.21%
651 - Smoke scare, odor of smoke	2	0.42%
661 - EMS call, party transported by non-fire agency	1	0.21%

671 - HazMat release investigation w/no HazMat	1	0.21%
700 - False alarm or false call, other	2	0.42%
711 - Municipal alarm system, malicious false alarm	1	0.21%
714 - Central station, malicious false alarm	1	0.21%
715 - Local alarm system, malicious false alarm	2	0.42%
733 - Smoke detector activation due to malfunction	5	1.05%
740 - Unintentional transmission of alarm, other	1	0.21%
741 - Sprinkler activation, no fire - unintentional	1	0.21%
743 - Smoke detector activation, no fire - unintentional	6	1.26%
745 - Alarm system activation, no fire - unintentional	1	0.21%
815 - Severe weather or natural disaster standby	1	0.21%
900 - Special type of incident, other	10	2.1%
TOTAL INCIDENTS:	477	100%

Of the 477 calls answered, 256 were within the boundaries of the Mapaville Fire District. 221 calls answered where Mapaville responded to assist other agencies.







Personnel Training

Since 2018, a large emphasis was placed on training, professional development and certifying our crews to accepted minimum standards across multiple disciplines. The chart below outlines the current certifications and degrees held by our staff.

Associate Degree	4
Bachelor's degree	3
Master's Degree	1
Emergency Medical Technician	15
Paramedic	6
Fire Instructor 1	10
Fire Instructor 2	2
Fire Investigator	2
Fire Officer 1	6
Fire Officer 2	3
Fire Inspector	2
Incident Safety Officer	2
Boat Rescue Technician	4
Confined Space Rescue Technician	4
Hazardous Materials Technician	8
Ice Rescue Technician	5
Rope Rescue Technician	4
Swiftwater Rescue Technician	4
Vehicle Rescue Technician	3

In 2022, we saw tremendous growth in our crews earning advanced certifications. One member earned nine new certification levels alone. The below chart outlines the new levels earned in 2022.

Associate Degree	1
Confined Space Rescue Technician	2
Driver Operator	1
Emergency Medical Technician	1
Fire Inspector	1
Fire Instructor 1	3
Fire Officer 1	2
Fire Officer 2	1
Hazardous Materials Technician	1
Ice Rescue Technician	1
Incident Safety Officer	1
Rope Rescue Technician	3
Swiftwater Rescue Technician	1

As of the writing of this report, four additional crew members are attending Fire Instructor 1 certification training, four are attending Fire Officer 2, two are attending Paramedic school, one is enrolled in an associate program, and one enrolled in a bachelor's program.

In 2022, crews attended 2,328 hours of classroom training with personnel training hours totaling 3,415.



Crews participating in HazMat Tech Training



Crews participating in low-angle rescue training.



Ice Rescue Tech



Rope Rescue Tech

Notable Incidents and Events

January 19- Mapaville crews "moved up" to St. Louis Fire Department Engine House #1 to provide coverage while St. Louis crews buried Firefighter Benjamin Polson. Polson was killed in the line of duty while fighting a house fire on January 13th.

January 29- House fire on Valley View Dr. The fire started on the exterior of the home and partially extended up the wall of the home. Crews quickly stopped the fire before it caused more damage. The occupants returned into the home on that day.

January 24- Fire Chief Kevin Cremer of the Festus Fire Department passed away from complications with COVID-19. Mapaville crews helped cover the Festus area, provided casket vigil, and attend the funeral during the week following his death.

February 6- Mapaville hosted a 'drive-thru' event for Jefferson County Night to Shine. The event, organized nationally by the Tim Tebow Foundation, recognizes people with special needs. Due to COVID-19, virtual and 'drivethru' events were held.



Night to Shine returns this year as hybrid event By Steve Taylor

The fourth annual Jefferson County Night to Shine, which recognizes people with special needs, will be held this month.

The event, sponsored by the Tim
Tebow Foundation, will be held over
consecutive weekends, with two "parades" scheduled for Sunday, Feb. 6, and
a virtual event to be held Friday, Feb. 11.
Before the pandemic, the local

Before the pandemic, the local event was held at Vineland Elementary School, with participants arriving on a red carpet and enjoying hair and making assisting a caterial linear and

makeup sessions, a catered dinner and other activities, culminating in the coronation of a king or queen.

Last year, amid concerns about the coronavirus, the local event was held virtually. With COVID-19 concerns still an issue, this work was the coronavirus of the coronavirus still an issue, this year's event will be a hybrid, called "Shine Thru."

"It won't be as much fun as it was in the past, but a lot of our guests,

because of COVID, have been locked down in residential facilities and haven' gotten out very much. This will give them a chance to get out and feel spe-cial," said Terri Dallas, a member of the

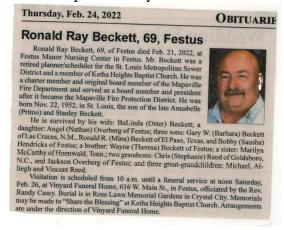
planning committee for the event.

Those with special needs and their Those with special needs and their families may participate on Feb. 6 by reporting to either the De Soto Farmers Market pavilion, 520 N. Main St., or the Mapaville Fire Protection District, 3687 Plass Road, in the Festus area, where they will be greeted by volunteers cheering them on, and they will pick up gifts and a crown in a drive-thur format from 2-4 p m "We know this is not the party we have been able to throw before the pandemic, but we also know that this is a safe alternative until we can gather in a hall once again," she said. "And we will gather again."

The local event is co-sponsored by St. Andrew's United Methodist Church in De Soto. For information, go to

in De Soto. For information, go to

February 21- Retired Mapaville Fire Association Captain and original Fire District Board Member Ronald Beckett passed away.



March 13- Crews responded to a house fire in the 9800 block of Sand Castle Dr. Upon arrival, crews worked hard to contain the fire to the room of origin. The fire extended slightly into the attic and basement, however most of the damage to the home was caused by smoke and water.

<u>May 13</u>- Crews responded to a reported house fire in the 9800 block of Sandy Church. Upon arrival, it was found that a fire had started in the electric panel and was quickly isolated. No further damage occurred to the house.

June 12- Crews responded to a pediatric drowning call on Redecker Rd. Upon arrival, crews found that a teenaged bystander had entered the pool and rescued a three-year-old boy. The boy had been successfully resuscitated by family on scene. The teenager and the boy's mother were recognized by the District on July 18th and were each presented with a Lifesaving award.

<u>July 26-</u> Mapaville crews responded as part of a task force to assist with historical flooding in the Brentwood and Richmond Heights area of St. Louis County. Multiple alarms were answered during that time including water rescues, water evacuations and structure fires.

<u>August 4-</u> Crews responded to assist the Saline Valley Fire Protection District with flash flood related calls.

<u>August 11-</u> Mapaville's tanker responded as part of a strike team to assist with a large warehouse fire in Madison, Illinois. Crews from around the region

fought the fire and assisted with shuttling water to the scene for hours.



<u>October 24-</u> Crews assisted as parts of two strike teams with a large brush fire in the Bonne Terre area. By the time the day was over, the fire extended over 200 acres of rough terrain.

November 12- Crews responded to a flue fire at a home on Cedar Creek Ln. The fire was quickly contained to the flue and no further damage was experienced to the home.