



# Fire Prevention 2022

## Keeping up with Technology

As the world evolves and technology advances, fire departments across the nation have to adapt with them as well. The production and use of electric vehicles has created a lot more discussions and training required for the members of the fire departments. The type of battery used in these vehicles is called Lithium Ion batteries. They can store large amounts of energy needed to power an SUV, truck, scooter, or other means of transportation long distances. This type of power in vehicles poses new hurdles fire departments face in many ways but the two main focuses firefighters have to train on are vehicle accidents and lithium ion battery fires.

During vehicle extrications, firefighters need to have the knowledge of techniques to remove the car from around the people inside. When airbags arrived as standard options, firefighters had to learn how to locate where all of them are in a vehicle. Now it is the high voltage lines of vehicles powered by batteries. The batteries carry 600 volts. The lines have special disconnects located in different areas depending on the vehicle. Isolating that power is essential to prevent electric shock injuries to anyone in or around the vehicle. Electric vehicles also do not make noise while running. Firefighters may not realize a car is still powered further complicating the tasks at hand. Isolating the power solves this issue. New trainings on the vehicles and industry standards is the only way we can keep up.

The electric vehicle fire may be the topic talked about most in the fire service right now. These types of fires are requiring 100 times more water to extinguish than a gasoline powered car. The batteries have parts called cells to allow more power to be stored. If one cell over heats a reaction called thermal run-a-way can occur. This cannot be stopped by normal amounts of water. Departments are investigating the best way to attack these fires. One effective way is to submerge the vehicle in water. This isn't always practical on a roadside. It is reported it can 30,000-50,000 gallons of water to completely extinguish these fires without submerging it.

As new technologies come out the fire service must adapt and learn how to fix the problem when something goes wrong. Our firefighters constantly learn, adapt, and overcome these challenges to protect the wonderful people of our community.



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## Open House

October 12 6-8pm  
 Engine House #2  
 214 Ashland Avenue

Fire prevention week is typically thought of as a week to help teach young children the dangers of some activities and what fire can do. We teach them about safety and how to get out of a fire, but we are overlooking a very important group. The seniors of our community are finding new hurdles in their lives they have to overcome. We need to remember them and work with them on potentially dangerous situations that arise. Ten year smoke alarms, cooking dangers, trips, falls, and carbon monoxide issues are all things that we should discuss with our seniors. Talking with them about the dangers may prevent unnecessary injuries or deaths.

## Residential Sprinkler Systems

Homes burn faster and hotter than ever before. The average time to get out of a home has been cut from 15+ minutes to 4-5 minutes. There is a way to elongate that time and save your home if a fire breaks out. Residential sprinkler systems can keep a fire under control or even extinguish it before the fire department arrives. Look into them if building or remodeling a home. It could save lives.



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## Statistics

The department responded to **607** incidents last year and saved 94.21% of the property involved in fires (\$11,793,971.00 involved - **\$11,111,475.00 saved**).

The average response time for the calls was 6 minutes 15 seconds. This is the time from when we are dispatched to when we arrive.

The average number of fire fighters responding:

6 during the day (8am-4pm) 282 calls

8 during the evening (4pm to 12am) 225 calls

5 during the night (12am-8am) 97 calls

**Move Right for Sirens and Lights**



# **FIREFIGHTERS NEEDED!**

## **WANT TO DRIVE THE BEST LOOKING TRUCKS AROUND?**

### **The Volunteer will**

1. Gain valuable training and skills to help in emergency situations
2. Provide indispensable life saving and property protection and service to your neighbors
3. Become a member of a respected firefighting team
4. Learn to drive the fire trucks and use every piece of equipment on it.

### **The Fairview Fire Department will provide**

1. All state certified training from basic to advanced levels for **FREE**
2. All specialized clothing and firefighting gear including uniforms
3. Life insurance as well as workman's compensation
4. Opportunities to earn pay for part-time work when needed

**All that you will need is the time and desire to help**

### **Requirements to apply to the Fire Department include:**

- Live within 10 minutes of one of our fire houses
- Be at least 19 years of age
- Possess a valid driver license and a clean driving record
- Be able to pass a background check

**For more Information contact the Fairview Fire Department at  
Engine House # 2 618-233-2121 or Engine House # 1 618-394-8484**



214 Ashland Ave..  
10045 Bunkum Rd.  
Fairview Heights. IL. 62208



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**WORKING SMOKE DETECTOR SAVE LIVES**

**FAIRVIEW FIRE DEPARTMENT**

214 Ashland Ave..  
10045 Bunkum Rd.  
Fairview Heights. IL. 62208

Phone- 618-233-2121 House 2  
Fax-618-277-0443  
Phone-618-394-8484 House 1  
fax-618-394-9327

## Fire Safety Checklist

- **Test Your Smoke Alarm** - Install a smoke alarm on every floor of your home and inside every sleeping area. Test the smoke alarms once a month and change the batteries twice a year. New detectors have 10 year batteries that do not require replacement.
- **Plan Your Escape** - Create and practice a home escape plan with your family. Be sure to include a meeting place once outside the home.
- **Keep Matches and Lighters in a Safe Area** - Always keep matches and lighters stored high in a locked cabinet or a locked box. Kids imitate adults, set a safe example.
- **Cook Safely** - Never leave cooking unattended, keep the cooking area clutter free, keep handles of pans turned to the side, keep small children out of the kitchen while cooking.
- **Give Space Heaters Space** - Keep all combustibles at least three feet from portable heaters.
- **Extinguish Smoking Materials** - Before emptying the contents of an ashtray into the trash, wet the contents to ensure complete extinguishment. This also goes with ashes from a grill.
- **Electrical Safety** - Replace damaged electrical cords and repair or replace appliances that smell, smoke, or overheat.

## 2021 Fire Calls

Structure fires - 18  
 Vehicle fires - 14  
 Brush/Other fires - 27  
 Extrication/rescues - 4  
 Medical Assist- 33  
 Hazardous conditions - 44  
 Service calls/unauthorized burning - 80  
 Good intent/nothing found - 76  
 False alarms/system malfunction - 78  
 False alarms/accidental activation - 124  
 False calls/mischievous - 3  
 Mutual aid to other departments - 96  
 Mutual aid Received - 57

Calls From Midnight to 8:00 -97  
 Calls From 8:00 to 4:00 - 282  
 Calls 4:00 to Midnight - 225