FIRE ISLAND PINES VOLUNTEER FIRE DEPARTMENT
P.O. BOX 193 SAYVILLE, NY 11782

LITHIUM-ION BATTERY SAFETY

NFPA National Fire Protection Association

Lithium-Ion Batteries supply power to many kinds of devices including smartphones, laptops, tablets, e-scooters, e-bikes, e-cigarettes, smoke alarms, toys and even cars. If not used correctly, or if damaged, these batteries can catch fire or explode.

THE PROBLEM

- These batteries store a large amount of energy in a small amount of space.
- Sometimes batteries are not used the right way: batteries not designed for a specific use can be dangerous.
- Like any product, a small number of these batteries are defective. They can overheat, catch fire or explode.
- Lithium-Ion battery fires give off toxic gases and they burn extremely hot at 1100 degrees.

SAFETY TIPS

- Purchase and use devices that are listed by a qualified testing laboratory.
- Always follow the manufacturer's instructions.
- Only use the battery that is designed for the device.
- Do not charge a device under the pillow, on your bed or on a couch.
- Do not charge or store a device in the entrance or exit of your home.
- Do not charge or store a device near propane tanks.
- Do not keep charging the device or device battery after it is fully charged.
- Keep batteries at room temperature when possible. Do not charge them at temperatures below 32 degrees or above 105 degrees.
- Do not store batteries in direct sunlight.
- Store batteries away from anything that can catch fire.

SIGNS OF A PROBLEM

- Stop using the battery if you notice these problems: odor, change in color, too much heat, change in shape, leaking or odd noises. If it is safe to do so, move the device away from anything that can catch fire. Call **9-1-1.**

BATTERY DISPOSAL

- Do not put Lithium-Ion batteries in the trash.
- Recycling is always the best option. Take them to a battery recycling location.
- Do not discard batteries in piles.
- Individually bag batteries or tape ends before disposing.

Phone: 631-597-8680 Fax: 631-597-4710

For additional information, visit us at www.fipfd.org