

## Montgomery County Fire and Rescue Lithium-Ion Battery Fire App Documentation Guidance

We are trying to capture these in Fire App appropriately. See the below information for documentation when the battery/charging component is the cause of the fire.

To document any **lithium ion related fire in a building** would cause the Incident Type to be a **111 Building Fire**:

- From the Fire Module (if asked) > On-Site Materials or Product Codes: *NNN None* (unless a significant amount was stored in building)
- Fire Module > Ignition > Area of Fire Origin (self-explanatory)
- Fire Module > Heat Source: **12 Radiated or conducted heat from operating equipment OR MAYBE 13 Electrical Arcing, etc.**
- Fire Module > Item First Ignited: For Vacuum Cleaner or Laptop I would use *25 Appliance housing or casing*
- Fire Module > Type of Material First Ignited: **36 Combustible metal. Includes magnesium, titanium, and zirconium** Note, Lithium is a combustible metal.
- Fire Module > Cause of Ignition: Could be **3 Failure of equipment or heat source.** Includes mechanical problems
- Fire Module > Factors Contributing to Ignition: Could be **34 Unspecified short-circuit arc.**
- Fire Module > HUMAN FACTORS CONTRIBUTING TO IGNITION CODES:  
Depends
- Fire Module > Equipment Involved in Ignition: **229 Battery.** Includes all battery types.
- Fire Module > Equipment Power Source: *Batteries and low voltage (less than 50 volts).*
- Fire Module > Equipment Portability: Depends,
  - *1 Portable. Includes equipment that can be carried or moved by one or two persons and designed to be used in a variety of locations. Tools are not needed to install or operate the equipment*
    - **or**
  - *2 Stationary. Includes equipment that is mounted at a fixed site or location or designed to be operated in one location.*
- Fire Module > FIRE SUPPRESSION FACTORS CODES: Numerous and I don't think these are required but I support using them