



Washington State Patrol

# STATE FIRE MARSHAL'S OFFICE

*Serving Washington Since 1901*

March 6, 2023

To: All First and Second Responders

From: Washington State Fire Marshal's Office

Re: Lithium-Ion Rechargeable Battery Training Resources

First Responders,

Please find below resources generated by the past several months of monitoring training sites and receiving information from various sources. While this is not a complete list because the subject matter is ever growing, we wanted to provide some resources to assist with providing proper information to response groups to make decision for generating policies and procedures.

- <https://www.nfpa.org/-/media/Files/Public-Education/Resources/Safety-tip-sheets/LithiumIonBatterySafety.ashx>
- <https://www.nfpa.org/-/media/Files/Public-Education/Resources/Safety-tip-sheets/Safety-tip-sheets-in-other->
- Livestream Event: [Lithium-Ion Battery Symposium: Challenges for the Fire Service](#)
- [Online Training Course](#)
- [Introduction Guide](#)
- Research Study: [The Impact of Batteries on Fire Dynamics](#)
- Research Study: [Examining the Fire Safety Hazards of Lithium-ion Battery Powered e-Mobility Devices in Homes](#)
- Coming SOON: The Science of Thermal Runaway Xplorlabs Module
- <https://www.iafc.org/docs/default-source/1fire-prev/iafcresponseessfires.pdf>
- <https://www.iafc.org/topics-and-tools/lithium-ion-and-energy-storage-systems>
- [https://www.iafc.org/topics-and-tools/resources/resource/recommended-fire-department-response-to-energy-storage-systems-\(ess\)-part-1](https://www.iafc.org/topics-and-tools/resources/resource/recommended-fire-department-response-to-energy-storage-systems-(ess)-part-1)
- FDNY Foundation-Lithium-Ion Battery Challenges for the Fire Service  
<https://drive.google.com/drive/folders/1zG1se9zzFwIPk-0QS0R8lfftjxY4UdT>
- Spokane FD Town Hall-Lithium Batteries  
<https://www.youtube.com/watch?v=hJiczWBFsAE>