

LITHIUM BATTERY FIRES

From the vehicle on the street to
Lithium batteries inside the structure



COURSE DESCRIPTION

Part 1- PowerPoint

PowerPoint- Course will assist with techniques to identify electric vehicles, the construction of EV's and deference's between full EV's and Hybrids and what the considerations for extrication and extinguishment is when dealing with the different styles of EV's. Course will also teach students the reaction lithium-ion battery fire has when dealing with e-bikes, scooters, ESS and anything lithium in a structure fire. By the end of the PowerPoint the hope is all students have a better understanding to identify and correctly investigate the incident for lithium-ion battery involvement and allow for a safe approach to extinguish the fire.

Part 2- Hands-on

Part 2 will be hands-on and is located outside. During this part of the day students will learn techniques to properly extinguish Electric Vehicle Fires. Students will go through a variety of extinguishing techniques with a strong focus on the equipment the organization currently has on their apparatus. Student will discuss lifting the vehicles or extinguishing from the interior.

When: Saturday, May 4th, 2024

Where: 2515 Tunnel Rd, Estes Park - Dakota Hall YMCA (Morning Classroom)
640 Elm Rd, Estes Park (Afternoon Hands-On)

How to Register: <https://www.estesvalleyfire.org/course-offerings>

Cost Classroom (0800 – 1200): \$50

Cost Hands-On (max of 30) (1200 – 1700): \$50

Details: Lunch will be provided. Those who are registered for the afternoon class, bring bunker gear and SCBA



INSTRUCTOR BIO (PAUL SHOEMAKER)

With 16 years of dedicated service in the fire industry, my commitment to enhancing firefighter safety extends beyond the frontline. I proudly contribute to advisory panels with UL and collaborate with NFPA on variety of projects ranging from electric vehicle extrication to addressing the challenges posed by lithium battery fires. Recognizing the vital need for collaboration between the fire service and OEMs, I am privileged to serve on the SAE 2990 committee, where we strive to bridge the gap, ensuring seamless coordination in handling lithium batteries. As the founder of the Next Level Training Network, I am passionate about empowering firefighters nationwide with the knowledge and skills necessary to navigate the complexities of electric vehicles and lithium battery incidents. Through comprehensive training programs, we equip our students with invaluable insights into effective strategies for managing lithium battery fires across various platforms, including vehicles, bikes, scooters, and Energy Storage Systems (ESS). Driven by a relentless dedication to advancing firefighter education and safety standards, I am deeply committed to making a meaningful impact within the industry, one training session at a time.