

# ASPE TechSymposium 2021



**Lee Carnahan**

*Lee Carnahan has been working exclusively with fuel oil-handling systems since 2006, both on the contracting side and the manufacturing/sales side. Throughout those 15 years, Lee's top priority has been working with mechanical and plumbing engineers to assist in system design, efficiency, and reliability, as well as specification development. Lee has been a guest speaker at many ASPE Chapters over the years and was a past ASPE Technical Symposium speaker in Orlando. Lee is also trained in OSHA safety and excavation safety, and he is a graduate of the University of California.*

## Fuel Oil-Handling Systems for Generators & Boilers

The presenters will discuss all aspects of aboveground and underground fuel oil-handling systems in this session. They will cover small systems, such as remote fill systems, all the way up to large mission-critical systems, such as hospitals and data centers. The session will review design development, key questions, time-saving rules of thumb, and different options to achieve the owner's goals.



**Len Swihart**

*Len Swihart has been working on combustion systems for more than a year since retiring from the Marine Corps in 2020. Len provides assistance to mechanical engineers with design development and specification design for boiler systems, ultra-low NOx burners, burner control systems, and complete boiler combustion systems. Len also assists plumbing engineers with design development and specification design for fuel oil-handling systems up and down the West Coast.*