



# Energy Bootcamp Courses

Online Learning by SEPA

## Live & On-Demand

Join us for SEPA's popular Bootcamp courses with industry-expert Peter Kelly-Detwiler.

These immersive training sessions help the utility and energy industry stay on track with the transition to clean and carbon-free energy systems. Our Bootcamps cover a wide range of topics—including markets, trends, technologies, approaches, and use-cases. This content is relevant to participants' day-to-day jobs and planning for the future.

Our live-virtual events are limited to 70 participants for a personalized experience, with all questions answered. For those unable to attend live, on-demand options are available.

### Course Topics

Each of our five Bootcamps include three 2-hour sessions:

- [Electric System Fundamentals](#)
- [Distributed Energy Resource Fundamentals](#)
- [Energy Storage Fundamentals](#)
- [Electrification of Transportation Fundamentals](#)
- [Hydrogen Fundamental](#)

### Our Instructor



[Peter Kelly-Detwiler](#) has 30 years of experience in the electric energy arena, with much of his career in various areas of competitive power markets. He's a former SVP at Constellation Energy, having run their Demand Response

Group. He's currently a strategist and communicator in the electric industry, focused on the rapid pace of transformation to a sustainable energy economy.

### Bootcamp Prices

	Live & On-Demand	On-Demand Only	Group Registration*
Member	\$449	\$249	\$1,899
Non-Member	\$599	\$369	\$3,199

\* 5 seats to the live-virtual event and organizational access to the on-demand recording.

## Register Now

Don't miss out on this opportunity to stay up-to-date on industry tech and trends. Our 2022 Bootcamps sold out due to high demand, so register now to secure your spot in this year's courses.

# 2023 SEPA Bootcamp Topics

## Electric System Fundamentals

Live Virtual Event: March 7-9, 2023 | [Learn More](#)

- **Session 1:** We discuss the basics of electric power delivery, energy markets and key drivers.
- **Session 2:** We review challenges related to changes in the supply and demand mix, integration of renewables, and energy storage.
- **Session 3:** We explore emerging technologies for a cleaner and more efficient grid, including long-duration storage, hydrogen, modular nuclear, and fusion.

## Distributed Energy Resource Fundamentals

Live Virtual Event: May 9-11, 2023 | [Learn More](#)

- **Session 1:** We discuss why DERs are important, their significance, and their role in the marketplace.
- **Session 2:** We explore current ZDER technologies and cyber-security concerns.
- **Session 3:** We review regulatory framework that governs DER behavior and compensation, as well as strategies for maximizing their benefits.

## Energy Storage Fundamentals

Live Virtual Event: June 11-13, 2023 | [Learn More](#)

- **Session 1:** We review the current role of energy storage, its applications, and the cost and performance of battery storage technologies.
- **Session 2:** We explore how to value energy storage in utility portfolio planning.
- **Session 3:** We examine the regulatory framework governing energy storage, future considerations, and rate structures.

## Electrification of Transportation Fundamentals

Live Virtual Event: August 8-10, 2023 | [Learn More](#)

- **Session 1:** We discuss the benefits of EVs and why they are promoted by policymakers and utilities.
- **Session 2:** We address range, battery technologies, charging networks, and electricity consumption impacts.
- **Session 3:** We review emerging business models, battery and charging technologies, and vehicle-to-grid applications.

## Hydrogen Fundamentals

Live Virtual Event: Nov. 7-9, 2023 | [Learn More](#)

- **Session 1:** We review industrial, transportation, and storage; the advantages and challenges of its chemistry; and current technologies, costs, and applications.
- **Session 2:** We examine electrolyzer, transportation, storage technologies, costs, and challenges; and electric power grid applications.
- **Session 3:** We discuss government programs driving scale; grid applications use cases and proposed projects; and what to watch for in the coming years.

## Miss a Live Virtual Session?

Don't worry, we offer our courses On-Demand through our [SEPA Knowledge Center](#).

## Questions?

Contact [learning@sepapower.org](mailto:learning@sepapower.org)



**Smart Electric  
Power Alliance**