



New! Basic Training Courses

Online Learning by SEPA

Live & On-Demand

Due to the popularity of our live, virtual Bootcamps, SEPA is expanding our course offerings to include Basic Training.

Our Basic Training courses provide participants with a foundational understanding of the key subjects related to the transition to a carbon-free electric system. Designed for industry professionals and regulatory staff who wish to gain insight into how these subjects fit into the larger energy landscape.

Led by industry-expert Peter Kelly-Detwiler, our Basic Training courses deliver high-level content in a short amount of time. Each course is two hours long and covers the latest market trends, use-cases, and technologies that are relevant to participants' day-to-day work.

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

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

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.

Basic Training Prices

	Live & On-Demand	On-Demand Only	Group Registration*
Member	\$249	\$199	\$850
Non-Member	\$349	\$299	\$1,299

* 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 and enhance your skills. Our 2022 Bootcamps sold out due to high demand, so register now to secure your spot in our Basic Training courses.

2023 SEPA Basic Training Topics

Electric System Basics

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

- We discuss the four basic elements of the electric system: supply (and markets), transmission, distribution, and demand (the “grid edge”).
- We evaluate the evolution of the power grid and the growing role of distributed energy resources (DER).
- We examine the future of the electric system including critical challenges and new approaches.

Distributed Energy Resource Basics

Live Virtual Event: April 4, 2023 | [Learn More](#)

- We examine the rapid ascent of DERs as a new planning resource for utilities and grid operators.
- We review the various types of DERs being deployed across the grid and the various services and value streams they can provide.
- We discuss how to identify, evaluate, and optimize the use of DERs to address various challenges in both power grids and wholesale markets.

Energy Storage Basics

Live Virtual Event: June 6, 2023 | [Learn More](#)

- We review the opportunities and promise of energy storage.
- We examine the various use cases for storage across the entire utility ecosystem, from the grid edge, to the distribution utility to the bulk power system run by grid operators.
- We look at the different energy storage technologies and discuss where each fits into the larger picture, as the grid continues to evolve.

Electrification of Transportation Basics

Live Virtual Event: Sept. 19, 2023 | [Learn More](#)

- We discuss the rapid electrification of the transportation sector.
- We examine the reasons for the accelerating growth rates, and discuss the evolution of the underlying technologies and alternative approaches (such as hydrogen).
- We review the planning challenges and institutional changes necessary to efficiently and safely integrate a growing population of EVs into our power grids.

Hydrogen Basics

Live Virtual Event: Oct. 10, 2023 | [Learn More](#)

- We look at why there is so much recent interest and government support—both here and abroad—for hydrogen.
- We examine the industrial sectors in which hydrogen may be applied, including industry, transportation and the power sector.
- We discuss the major challenges of developing a hydrogen economy and examine evolving use cases that suggest where the hydrogen future might take us.

Miss a Live Virtual Session?

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

Questions?

Contact learning@sepapower.org

