



## 2024 ELECTRIC UTILITY TRAINING SEMINARS

### Listing by Seminar Titles

<b>Certified Staking Technician Program</b>			
Dates	Location	Sponsoring Organization	Registration Information
<b>Phase I – Surveying, Overhead Structures Design, Joint Use, Unique Structures</b>			
February 5-8	Foley, AL	Riviera Utilities	<a href="#">Click Here</a>
February 5-8	Denver, CO	CREA	<a href="#">Click Here</a>
February 19-23	Georgetown, TX	TEC	<a href="#">Click Here</a>
March 12-15	Nicholasville, KY	Kentucky EC	<a href="#">Click Here</a>
March 26-29	Montgomery, AL	AREA	<a href="#">Click Here</a>
April 23-26	Carmel, IN	Indiana EC	<a href="#">Click Here</a>
September 10-13	Lancaster, OH	South Central Power	<a href="#">Click Here</a>
<b>Surveying Only</b>			
June 3-5	TBD	NWPPA	<a href="#">Click Here</a>
<b>Phase II – Application of the NESC, Easement Acquisition, Permitting, Line Inspection</b>			
February 20-23	Des Moines, IA	Iowa AEC	<a href="#">Click Here</a>
February 26-29	Denver, CO	CREA	<a href="#">Click Here</a>
March 5-8	Kalispell, MT	NWPPA	<a href="#">Click Here</a>
March 11-15	Georgetown, TX	TEC	<a href="#">Click Here</a>
April 16-19	Lexington, SC	EC of SC	<a href="#">Click Here</a>
April 22-26	Ridgeland, MS	ECM	<a href="#">Click Here</a>
May 20-24	Georgetown, TX	TEC	<a href="#">Click Here</a>
June 18-21	Carmel, IN	Indiana EC	<a href="#">Click Here</a>
July 23-26	TBD, KY	Kentucky EC	<a href="#">Click Here</a>
October 8-11	Montgomery, AL	AREA	<a href="#">Click Here</a>
<b>Application of the NESC Only</b>			
September 30- October 2	TBD	NWPPA	<a href="#">Click Here</a>
<b>Easement Only</b>			
June 6-7	TBD	NWPPA	<a href="#">Click Here</a>
<b>Line Inspection Only</b>			
February 15-16	Boise, ID	NWPPA	<a href="#">Click Here</a>
<b>Permitting Only</b>			
October 3-4	TBD	NWPPA	<a href="#">Click Here</a>



<b>Phase III – Underground Design, Transformers, Basic Sectionalizing, Contracts</b>			
<b>Dates</b>	<b>Location</b>	<b>Sponsoring Organization</b>	<b>Registration Information</b>
March 18-21	Denver, CO	CREA	<a href="#">Click Here</a>
July 15-19	Georgetown, TX	TEC	<a href="#">Click Here</a>
September 10-13	Carmel, IN	Indiana EC	<a href="#">Click Here</a>
September 16-20	Ridgeland, MS	ECM	<a href="#">Click Here</a>
September 17-20	Des Moines, IA	Iowa AEC	<a href="#">Click Here</a>
October 28 - November 1	Georgetown, TX	TEC	<a href="#">Click Here</a>
<b>Basic Sectionalizing Only</b>			
February 14-15	Boise, ID	NWPPA	<a href="#">Click Here</a>
<b>Underground Design Only</b>			
February 12-14	Boise, ID	NWPPA	<a href="#">Click Here</a>
<b>STAND ALONE COURSES</b>			
<b>Basic Electric Distribution System</b>			
Sept. 24-25	Montgomery, AL	AREA	<a href="#">Click Here</a>
<b>Engineering Fundamentals A</b>			
April 29-May 1	Ridgeland, MS	ECM	<a href="#">Click Here</a>
July 29-31	TBD	NWPPA	<a href="#">Click Here</a>
October 14-16	Montgomery, AL	AREA	<a href="#">Click Here</a>
<b>Engineering Fundamentals B</b>			
May 1-3	Ridgeland, MS	ECM	<a href="#">Click Here</a>
July 31- Aug. 2	TBD	NWPPA	<a href="#">Click Here</a>
October 16-18	Montgomery, AL	AREA	<a href="#">Click Here</a>
<b>Engineering Fundamentals C</b>			
March 19-20	Idaho Falls, ID	NWPPA	<a href="#">Click Here</a>
June 5-6	Ridgeland, MS	ECM	<a href="#">Click Here</a>
<b>Interconnection of Residential Solar &amp; BESS</b>			
June 25	Vancouver, WA	NWPPA	<a href="#">Click Here</a>
August 13	Baker City, OR	NWPPA	<a href="#">Click Here</a>
<b>NESC for Communications</b>			
February 9 (morning and afternoon session)	Foley, AL	Riviera Utilities	<a href="#">Click Here</a>



<b>NESC for Operations</b>			
<b>Dates</b>	<b>Location</b>	<b>Sponsoring Organization</b>	<b>Registration Information</b>
January 15	Kiln, MS	Coast EPA	<a href="#">Click Here</a>
<b>Overhead Structures Design with NESC Clearances</b>			
July 30- August 1	Rio Rancho, NM	NMRCEA	<a href="#">Click Here</a>
<b>Regulators, Reclosers and Transformer Banking</b>			
July 9-10	Montgomery, AL	AREA	<a href="#">Click Here</a>
<b>Staking for Linemen</b>			
June 12-14	Franklin, IN	Indiana EC	<a href="#">Click Here</a>

<b>2024 WEBINARS</b>		
<b>Dates</b>	<b>Webinar Topic</b>	<b>Registration Information</b>
January 9	Impacts of Electric Vehicles	<p style="text-align: center;"><b>To Register</b></p> <p>Contact Rachael Harms Phone: (334) 887-3297 E-mail: <a href="mailto:rachael.harms@gdsassociates.com">rachael.harms@gdsassociates.com</a></p>
February 13	Basics of Distribution System Planning	
March 12	NESC Grounding Requirements	
April 9	Fundamentals of Guys and Anchors for Overhead Distribution Lines	
May 14	Overview of Arc Flash	
June 11	Single Phase Metering	
July 9	Three Phase Metering	
August 13	High Impedance Fault Detection	
September 10	Application of Voltage Regulators	
October 8	Application and Use of Ductile Iron Poles	
November 12	Designing Extra-Long Spans	
December 10	Separable Connectors Used in Underground Distribution	



## 2024 ELECTRIC VEHICLE WEBINARS

Dates	Webinar Topic	Registration Information
January 23	Introduction to Electric Vehicles	<p><b>To Register</b></p> <p>Contact Rachael Harms            Phone: (334) 887-3297            E-mail:  <a href="mailto:rachael.harms@gdsassociates.com">rachael.harms@gdsassociates.com</a></p>
February 6	Charging Profiles	
February 27	Projecting Electric Vehicles Loads in the Future	
March 26	Electric Vehicles Impacts to the Distribution Grid	
April 16	Retail Rate Strategies for Electric Vehicles Loads	
May 21	Loading Management- Part One	
June 4	Loading Management- Part Two	



## ABOUT HI-LINE ENGINEERING

Hi-Line Engineering specializes in providing engineering consulting services to electric utilities. The firm is a wholly owned subsidiary of GDS Associates, Inc.

Hi-Line's mission is to provide quality **energy delivery consulting** services at rates conducive to the demands of the deregulated marketplace. We specialize in safe, reliable, and *efficient* planning, design, and contract administration.

Our staff exhibits diverse experience in the planning, design, operation, and maintenance of electric distribution systems. We have designed hundreds of miles of distribution line in all types of terrain and loading conditions. Many of these projects included contract administration and right-of-way acquisition. Our planning services include experience in a variety of environments consisting of dense urban, resort beach, rural agricultural, and sparsely populated areas. Hi-Line has prepared planning studies for rural electric cooperatives, municipalities, and military bases.

## Training Seminars

Hi-Line Engineering has provided training seminars for engineers and line personnel for over twenty years. Our team of instructors has the educational and practical experience to teach both the theory and application perspectives of line design. They have conducted more than 1,000 seminars in areas ranging from the Caribbean to Alaska. Over 9,000 students including engineers, staking technicians, and linemen have attended Hi-Line's training courses. The Certified Staking Technician program has approximately 5,000 participants nationwide.

For more information, or to schedule a seminar for your organization, please contact **Rachael Harms** at (334) 887-3297 or [rachael.harms@gdsassociates.com](mailto:rachael.harms@gdsassociates.com)