



2024 ELECTRIC UTILITY TRAINING SEMINARS

Listing by Seminar Titles

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



| Phase III – Underground Design, Transformers, Basic Sectionalizing, Contracts | | | |
|--|-----------------|--------------------------------|---------------------------------|
| Dates | Location | Sponsoring Organization | Registration Information |
| March 18-21 | Denver, CO | CREA | Click Here |
| July 15-19 | Georgetown, TX | TEC | Click Here |
| September 10-13 | Carmel, IN | Indiana EC | Click Here |
| September 16-20 | Ridgeland, MS | ECM | Click Here |
| October 28 - November 1 | Georgetown, TX | TEC | Click Here |
| Basic Sectionalizing Only | | | |
| February 14-15 | Boise, ID | NWPPA | Click Here |
| Underground Design Only | | | |
| February 12-14 | Boise, ID | NWPPA | Click Here |
| STAND ALONE COURSES | | | |
| Basic Electric Distribution System | | | |
| June 25-26 | Georgetown, TX | TEC | Click Here |
| Sept. 24-25 | Montgomery, AL | AREA | Click Here |
| October 22-23 | Georgetown, TX | TEC | Click Here |
| Engineering Fundamentals A | | | |
| April 29-May 1 | Ridgeland, MS | ECM | Click Here |
| July 29-31 | TBD | NWPPA | Click Here |
| October 14-16 | Montgomery, AL | AREA | Click Here |
| Engineering Fundamentals B | | | |
| May 1-3 | Ridgeland, MS | ECM | Click Here |
| July 31- Aug. 2 | TBD | NWPPA | Click Here |
| October 16-18 | Montgomery, AL | AREA | Click Here |
| Engineering Fundamentals C | | | |
| March 19-20 | TBD | NWPPA | Click Here |
| June 5-6 | Ridgeland, MS | ECM | Click Here |
| Interconnection of Residential Solar & BESS | | | |
| June 25 | Vancouver, WA | NWPPA | Click Here |
| NESC for Communications | | | |
| February 9 (morning and afternoon session) | Foley, AL | Riviera Utilities | Click Here |



| NESC for Operations | | | |
|---|------------------|-------------------------|----------------------------|
| Dates | Location | Sponsoring Organization | Registration Information |
| January 15 | Kiln, MS | Coast EPA | Click Here |
| January 16 | Kiln, MS | Coast EPA | Click Here |
| January 17 | Kiln, MS | Coast EPA | Click Here |
| January 18 | Kiln, MS | Coast EPA | Click Here |
| January 19 | Kiln, MS | Coast EPA | Click Here |
| Regulators, Reclosers and Transformer Banking | | | |
| July 9-10 | Montgomery, AL | AREA | Click Here |
| Staking for Linemen | | | |
| June 12-14 | Indianapolis, IN | Indiana EC | Click Here |

| 2024 WEBINARS | | |
|---------------|--|---|
| Dates | Webinar Topic | Registration Information |
| January 9 | Impacts of Electric Vehicles | <p>To Register</p> <p>Contact Rachael Harms Phone: (334) 887-3297 E-mail: rachael.harms@gdsassociates.com</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>To Register</p> <p>Contact Rachael Harms Phone: (334) 887-3297 E-mail: rachael.harms@gdsassociates.com</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