

Electric Planning & Design Services

Hi-Line Engineering, LLC, a GDS company, offers planning, mapping, and design services to the electric utility industry throughout the United States. We provide high-quality, personal service to rural electric cooperatives, investor-owned utilities, municipals, and the U.S. military.

HI-LINE'S MISSION STATEMENT

Hi-Line Engineering specializes in providing safe, reliable, and efficient planning and design services for electric utilities in all types of terrain and in all three NESC loading districts.

Our commitment to client satisfaction and diversity of expertise ensures that we provide the highest quality of service. We endeavor to use the latest technology to increase efficiency and accuracy. Hi-Line offices are located in Marietta, Georgia, and Auburn, Alabama.



AREAS OF EXPERTISE

- Overhead Distribution Line Design and Staking
- Underground Distribution System Design
- Inspection and Inventory
- Contract Administration
- System Planning and Analysis
- GIS/GPS Mapping
- Right-of-Way Vegetation Management
- Training Services
- Specialized Design Services

OVERHEAD DISTRIBUTION LINE DESIGN AND STAKING

Hi-Line offers complete design and staking services including easement acquisition, governmental permit preparation, contractor observation, and final inspection and inventory. Hi-Line's expertise lies in the following types of design projects:

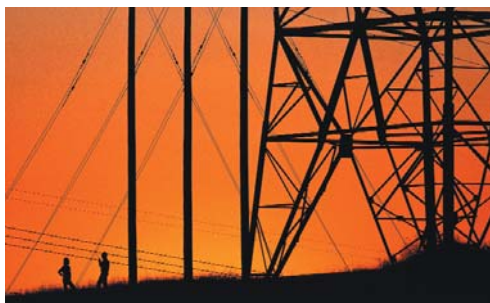
- Distribution Lines
- Street Light Layout
- CATV Make Ready
- Department of Transportation Line Relocations
- Voltage Conversions

CONTACT INFORMATION

W. Richard Lovelace, RF, CA
 Hi-Line Engineering, LLC
 1826 Opelika Road
 Auburn, AL 36830
 Voice: 334.887.3297
 Fax: 334.887.3298

Kevin J. Mara, PE
 Hi-Line Engineering, LLC
 1850 Parkway Place, Suite 800
 Marietta, GA 30067
 Voice: 770.426.0819
 Fax: 770.426.0303

www.hi-line-engineering.com





UNDERGROUND DISTRIBUTION SYSTEM DESIGN

Hi-Line is qualified in all facets of underground system design. The following are examples of our project experience:

- Residential Subdivision Layouts
- Primary Cable Installations
- Cable Replacements
- Automatic Transfer Schemes
- Switch Design
- Multi-Cable Road Bores
- Equipment Specifications
- Permitting
- Troubleshooting

SYSTEM PLANNING AND EVALUATION

Experienced in both planning and construction, the Hi-Line staff understands the physical requirements necessary to build and maintain an electrical system. Using this knowledge, we create feasible solutions that efficiently meet the customer's needs. Our design services include:

- Development of Load Projections and Planning Criteria
- Substation Justifications
- RUS Work Plans and Long Range Plans
- System Modeling
- Sectionalizing and Overcurrent Protection Studies

RIGHT-OF-WAY VEGETATION MANAGEMENT

A utility's right-of-way and line clearing budget is usually second only to the wholesale power budget. Hi-Line Engineering has the knowledge and expertise to evaluate a system's vegetation and design an efficient management plan for controlling right-of-way vegetation growth. We offer the following right-of-way management services:

- Long-Range Maintenance Plans
- Contract Administration
- Equipment Recommendations
- Implementation of Accurate Record Keeping Procedures
- Herbicide Prescriptions
- GPS/GIS Right-of-Way Evaluation

GPS/GIS MAPPING AND DRAFTING SERVICES

By using GPS/GIS technology, Hi-Line efficiently and accurately produces system maps, service territory maps, and Department of Transportation plans. We are proficient in data collection, management, and linking.

- Facilities Mapping and GIS Systems
- Service Territory GPS Mapping
- RUS and Special Assembly Unit Specifications
- Right-of-Way Inventory



GDS Associates, Inc.

— Corporate Headquarters
GDS Associates, Inc.
1850 Parkway Place
Suite 800
Marietta, GA 30067
Voice: 770.425.8100
Fax: 770.426.0303

GDS Associates, Inc. is a multi-service consulting engineering firm focusing on clients associated with electric, water, and gas utilities.

www.gdsassociates.com