

ELECTRIC UTILITIES



Borton  Lawson
ENGINEERING | ARCHITECTURE

ELECTRIC UTILITIES

Borton-Lawson has an established reputation for comprehensive survey, environmental, permitting, and engineering design solutions necessary to assist Electric Utility clients with their infrastructure upgrades.

With a great emphasis on project delivery, responsiveness and innovative engineering solutions our designers are trained to focus on full life cycle analysis from constructability to operations and maintenance.

ASSET INVENTORY AND MANAGEMENT

Surveying has grown into a high technology field, through the growth of computer, satellite technologies, and scanning. Our survey teams are equipped with the latest equipment and technologies, including Global Positioning System (GPS), 3D scanning, and state-of-the-art data collection and mapping software. This allows for accurate and detailed mapping in the field in an expedited, real-time environment.

- ▶ Site Feasibility Surveys
- ▶ Boundary/Subdivision
- ▶ Topographic Surveys
- ▶ Operation & Maintenance Program Supports
- ▶ Asset Inventory – 3D Laser Scanning
- ▶ Right-of-Way
- ▶ Bathymetric Survey
- ▶ As-Builts



PROGRAM MANAGEMENT

Borton-Lawson has the proven experience necessary to manage regional program work for Electric Utility entities. What sets Borton-Lawson apart, is a strict focus on responsiveness, quality and cost.

Our experience includes:

- ▶ Program Management provider for regional utilities
- ▶ Contractor oversight
- ▶ Assist with standardization of scopes/project
- ▶ Schedule assurance/risk mitigation

UTILITY SITING AND TRANSMISSION UPGRADES

Our team has a comprehensive understanding of site and regulatory challenges associated with electric utility production, transmission and distribution projects. This includes immediate and long-term challenges that may affect the life-cycle of a project.

At Borton-Lawson, we map project goals alongside of regulatory requirements, to provide a solution that minimizes cost and schedule, maximizes design and construction efficiencies and maintains commitment to environmental stewardship and ingenuity.

- ▶ Program Management and Master Planning
- ▶ Site and Utility Design
- ▶ Stormwater Management
- ▶ Traffic Impact Studies and PennDOT Permitting
- ▶ E&S Design/Compliance Inspections
- ▶ Geographic Information Systems
- ▶ Substation Site Planning & Design
- ▶ PA DEP, County Conservation District and U.S. Army Corps of Engineers Permitting
- ▶ Municipal and County Permitting
- ▶ Bidding and Construction Administration Services



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