

Our expertise extends from distribution to transmission line design and standards. RLC provides transmission line design services from the conceptual level through detailed design for construction, including the development of construction and procurement specifications and bills of material.

## TRANSMISSION LINE DESIGN SERVICES:

- New Line and Line Replacement Design, including Routing and ROW Width Evaluation
- Existing Overhead Line Ratings and Re-Ratings
- PLS-CADD Model Development of New or Existing Facilities Based on Available Data, including Survey and Drawings
- Structure Analysis and Design for Fiber Optic Additions
- Structure Replacement Design for Maintenance Work
- Coordination of Design Requirements with Major Structure Vendors
- Construction Support and Project Closeout, including Submittal Review and Record Drawings
- Plan and Profile Drawing Development
- Creation of Structure Assembly Drawings for Construction and Custom Pole Fabrication
- Structural Analysis and Design
- Existing Lattice Tower Evaluations and Reinforcements
- Foundation Analysis and Design
- Material and Construction Specifications
- Coordination of LIDAR Activities
- Coordination of Geotechnical Investigations
- Transmission System Lightning Arrestor Evaluations
- Transmission Line Rime Ice Mitigation
- Inspection and Evaluation of Transmission System Structures
- Overhead and Underground Transmission Line Development and Design
- Construction Inspections
- Support of ROW Real Estate Acquisition



**EMPOWERING ENERGY SOLUTIONS**  
for the future...today

V 207.621.1077 | F 207.621.1177  
INFO@RLC-ENG.COM | RLC-ENG.COM  
HALLOWELL | SOUTH PORTLAND | BANGOR