

Whether you need a conceptual bid package or completed for construction documents, our engineers are able to plan, specify, and perform all aspects of preliminary and detailed engineering for transmission, distribution or interconnection substations. RLC engineers assist clients in navigating from the conceptual stage into the preliminary stage, followed by the detail design stages to include final design as well as through material procurement, construction and final commissioning. We perform detailed project designs, develop material purchasing and construction service specifications, and produce designs for transmission, distribution and auxiliary systems.

## SUBSTATION DESIGN SERVICES:

- Substation Rebuild Design (modifications, additions and upgrades to existing substations) and new Substation Design:
  - Electrical, Civil and Structural Design
  - Protection (Settings & Design)
  - Automation & Integration
- Studies:
  - AC/DC Station Services
  - Arc Flash
  - Direct Stroke (lightning)
  - Insulation Coordination
  - Grounding
- Site Selection, Planning and Permitting Support
- Environmental Services and Geotechnical Investigation Management
- Equipment and Project Specifications
- Construction Management and Inspection Support
- Testing and Commissioning Support
- Project Record As-Built Coordination



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

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