



D&B ENGINEERS AND ARCHITECTS, P.C.

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Power Distribution

SERVICES INCLUDE:

4kV, 13kV and 480V Systems

Utility Coordination

Medium Voltage Unit Substations and Switchgear

Energy and Standby Generator Systems

Energy Studies

Power System Studies



D&B Engineers and Architects, P.C. (D&B) has extensive design and construction management experience related to power distribution at 4kV, 13kV and 480V for wastewater, water supply and institutional projects. Our team of electrical engineers understand that continuous operation of process, HVAC and lighting systems is dependent upon a reliable and efficient power distribution system and offer expertise in the following design areas:

- Load Survey and Analysis
- Distribution System Assessment and Evaluation
- Forensic Investigation of Failed Cable Systems
- Utility Coordination for New Services and Service Upgrades
- Medium Voltage Unit Substations and Switchgear
- 480-, 240- and 208-volt motor control centers and Switchgear
- Emergency and Standby Generator Systems
- Feeders and Branch Circuits
- Integration of Power Distribution with Process and HVAC Control Systems
- Explosion Hazard Area Classification and Related Codes
- Underground Manhole and Conduit Systems
- Variable Frequency Drive Systems
- Surge, Lightning Protection and Grounding Systems

- Energy Studies
- Energy Monitoring and Reporting
- Power Systems Studies – Coordination, Overcurrent Protection and Arc Flash

D&B's extensive project experience during construction allows us to provide a full complement of services from construction commencement through closeout, including:

- Inspection Services
- Shop Drawing Review of Equipment and Materials
- Start-up and Commissioning of Systems and Equipment
- Shop Witness Testing of Medium Voltage Transformers, Switchgear and Motor Control Centers



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