



## Electrical

Arora's electrical engineers design safe, reliable and efficient electrical systems to power everything from mission-critical systems to charging your smartphone. Arora's lighting designers work in concert with architects to provide lighting that complements the context of the space.

### Key Services

- + Overhead/underground low and medium voltage power distribution
- + Emergency and standby power systems (generator & UPS)
- + Lighting design and photometrics (normal/emergency/egress lighting)
- + Utility and commercial substation/switchgear
- + Grounding and lightning protection
- + Single-line diagrams
- + Load calculations
- + Short circuit and coordination studies
- + Power and lighting equipment selection and specifications
- + Motor control centers
- + Electrical equipment sizing
- + Energy efficient systems
- + Electrical code analysis and consulting
- + Electrical system assessments and equipment evaluations
- + Electrical plan review and master plan development
- + Coordination with utility companies and AHJs

### Representative Clients

- + Massachusetts Bay Transportation Authority
- + Boston Logan International Airport
- + Reagan National Airport
- + Baltimore-Washington International Airport
- + Philadelphia International Airport
- + Cheyney University
- + Philadelphia, Streets Department
- + Southeastern Pennsylvania Transportation Authority
- + Port Authority of NY & New Jersey
- + City of Philadelphia, Department of Public Property
- + School District of Philadelphia

