



Long Island Power Authority ("LIPA") Substation Design Criteria

Date: September 29, 2023



Substation Design Criteria

The following design criteria shall be applicable to the design, construction, modification and/or installation of LIPA substations and associated facilities impacting LIPA substations:

The design of LIPA's substations and such associated facilities shall comply with all applicable design standards and specifications including, without limitation:

- American National Standards Institute (ANSI)
- Occupational Safety & Health Administration (OSHA)
- National Electrical Manufacturers Association (NEMA)
- Institute of Electrical and Electronic Engineers (IEEE)
- National Electric Safety Code (NESC)

Efficient use of space shall be appropriately prioritized in designing new substations or additions to existing substations and associated facilities. The optimal layout selected shall physically arrange electrical equipment in the most efficient manner consistent with safety, reliability, operability, maintainability, feasibility, expandability, constructability and other applicable requirements.