



# POWER GENERATION

## Design & Planning Services

- Life Safety System & Emergency Power Planning
- Generator Sizing, Fuel Source Selection & Load Prioritization
- Transfer Switch & Distribution Design
- Redundancy & Sequencing Strategy Development
- Temporary Power Planning During Upgrades
- New & Replacement Generator Layouts
- Single Line Diagram Development & Documentation

## Power System Studies

- Existing System Evaluation & Upgrade Recommendations
- Coordination with Mechanical & Structural Disciplines
- Load Metering / Estimation, Commissioning Support & Cutover Planning
- Code & CSA C282 Compliance Review
- Utility Coordination for Parallel or Standby Operation

## Overview

Nodal Electrical Engineering (NEE) supports the design, assessment, and replacement of on-site power generation systems with a focus on safety, reliability, and code compliance. We pay close attention to constructability and how the generator will be maintained. From life safety supply to generator sizing and transfer schemes, we help clients implement systems that are tailored to their facility needs. Our expertise includes new construction, generator replacements, and integration of emergency systems into existing infrastructure.

## Why NEE?

We understand how generator systems are built, operated, and maintained. Our designs are right-sized, constructable, and support continuity – especially when the power can't fail.

*Power you can rely on – when it matters most*