



NFPA 70B Implementation ***Advancing Electrical Safety, Reliability, and Compliance***

The NAES NFPA 70B Implementation offering supports facilities in aligning electrical maintenance programs with the requirements of NFPA 70B, Standard for Electrical Equipment Maintenance.

As the standard transitions from recommended practice to enforceable expectation, this engagement helps reduce electrical safety risk, strengthen reliability, and improve compliance readiness through structured evaluation and implementation support.

Why NFPA 70B Matters

Electrical system failures are a significant contributor to reliability and safety events across the industry. The updated NFPA 70B standard establishes clear expectations for:

- Electrical equipment maintenance planning and execution
- Risk-based prioritization of maintenance activities
- Training and qualification requirements
- Ongoing auditing and program governance

Failure to align with NFPA 70B increases exposure to safety incidents, unplanned outages, and regulatory scrutiny.

How NAES Supports Implementation

NAES applies a structured, engineering-led approach to evaluate and implement NFPA 70B requirements. The engagement may include:

- Review of existing electrical maintenance practices and documentation
- Evaluation of one-lines, P&IDs, and electrical asset criticality
- Alignment of maintenance tasks with NFPA 70B tables and OEM guidance
- Risk-based prioritization of electrical equipment maintenance
- Integration with existing reliability programs such as FMEA and SPOF
- Verification of training requirements to the task level

The approach is practical and scalable, supporting both immediate compliance and long-term program sustainability.

What You Receive

The NFPA 70B Implementation engagement delivers:

- A documented gap analysis against NFPA 70B requirements
- Prioritized recommendations to address compliance and reliability risk
- A structured roadmap for electrical maintenance program alignment
- Supportable documentation for audits and regulatory reviews

The output strengthens both compliance posture and operational performance.

Where This Fits

NFPA 70B Implementation is commonly used:

- To prepare for audits and regulatory reviews
- As part of broader electrical reliability improvement initiatives
- To reduce electrical-related forced outages and safety risk
- In conjunction with Critical Equipment and SPOF evaluations

It can be delivered as a standalone engagement or integrated into broader Asset Solutions services.

Value to Owners and Operators

- Reduced electrical safety and arc-flash risk
- Improved electrical system reliability and uptime
- Stronger compliance posture and audit readiness
- Clear alignment between standards, maintenance, and execution

Engage NAES Asset Solutions to implement NFPA 70B with confidence, and strengthen electrical safety, reliability, and compliance across your facility.

