

MTECK NFPA 70B & PREVENTIVE ELECTRICAL MAINTENANCE

NFPA 70B is Now A Mandatory Standard for Electrical Maintenance

Until 2023, NFPA 70B specified guidelines for safe electrical practice, encompassing everything from the maintenance of electrical systems and equipment to electronic and communication systems. However, the latest update has elevated NFPA 70B from a “recommended practice” to an “enforced/required practice”. This means your electrical maintenance is no longer just a suggestion; it is a must.

Amteck Can Help

- We can establish or enhance electrical preventive maintenance programs.
- We perform preventive maintenance services such as: IR scans, PM switchboards and panels, modernizations, and arc flash/coordination studies.
- We can assist you in understanding the new code requirements and how the changes impact you and your facility.

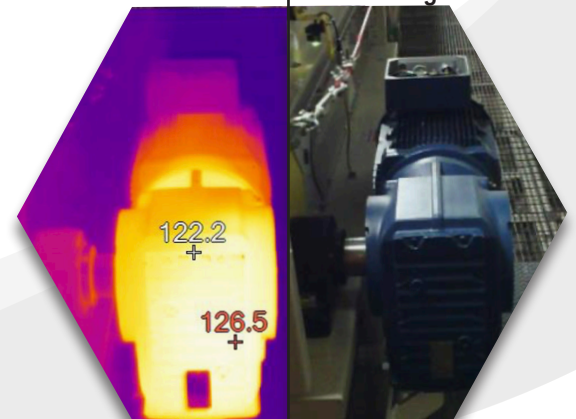
Benefits for You

- Reduced Risk – minimize downtime from electrical incidents and outages, keeping your business operations smooth and secure.
- Enhanced Lifespan – improve the longevity of your electrical systems and equipment and reduce downtime and replacement costs.
- Lower Insurance Costs – a qualifying EPM plan can protect you from rising premiums and lower legal liabilities that could arise from non-compliance.
- Cost Savings – efficient maintenance not only saves you money in the long run but also optimizes your energy consumption.

An Electrical Preventive Maintenance (EPM) program has the potential to yield significant returns on investment. Beyond addressing typical wear and tear, it can detect and rectify issues such as improper connections, unusual heat patterns, improper protective devices, and voltage fluctuations. Minimizing downtime and maximizing efficiency is our goal. Amteck can help with every step of your customized EPM.



Infrared Scan | Natural Light



A CHECKLIST OF NEXT STEPS

Step 1: Audit and Plan Your Needs

Create a list of all electrical systems, machinery, and building infrastructure. Consider the history and develop an understanding of the needed inspections and maintenance. Verify you have all necessary wiring diagrams, schematics, and manuals needed for your facility's electrical systems. Appoint an EPM supervisor to oversee your facility's program. Knowing what you have and what you need saves time and money. It also ensures everyone has the same expectations regarding scope of work.

Step 2: Maintain

Ensuring that you keep up with maintaining electrical equipment is necessary, and is now required. Amteck is your qualified contractor to perform all of the required functions including:

- Inspecting – Visual and audible inspections tell a lot about the condition of equipment.
- Testing – Wires and cables, grounding, breakers, transformer oil, fuses, relays.
- Scanning – IR scans provide an in-depth look at the operating temperatures of equipment.
- Cleaning – Vacuuming, wiping down, and removing corrosion improve the condition of equipment.
- Tightening – Connections to wires, bussing, and anchoring are critical in ensuring safe operation.
- Servicing – Operate breakers and other devices, verify connecting hardware, lubricate components.



Step 3: Record & Evaluate

EPMs require data records of all maintenance and tests. Amteck provides complete reporting on the entire service program. Amteck will evaluate all tests, update results carefully, and determine if any existing problems need immediate attention. We recommend sharing these results and your full EPM program with your insurance provider to verify that you are covered in case of an electrical incident. Not maintaining your facility and your equipment can negatively affect your production, but it could also void warranties, and even nullify insurance coverage.

Step 4: Frequency

When you work with Amteck for your EPM plan, we build the maintenance schedule around your needs, taking into account the facility, staff, NFPA guidance, insurance recommendations, and more. Depending on conditions, you may consider additional tests or a more frequent testing schedule. In those situations, we're ready and able to help.

Contact Us

Kevin Cumiskey
Business Development Manager
859-551-3342
kcumiskey@amteck.com
Amteck.com/Lexington

