

Reliability. Delivered.

- + Damage Assessment
- + Safety Plan
- + Temporary Power
- + Equipment
- Documentation
- + Inspection & Testing
- + Repair & Reconditioning
- + Replacement Equipment
- + Spare Parts
- + Motor Repair
- + Installation & Start-up

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Disaster Recovery Services

When the Unexpected Happens

One-Stop Disaster Recovery Services

No one wants a disaster to happen - a fire, a flood, a storm, or anything that can disrupt power and shut down operations. But if a disaster does happen, the most important consideration - after employee safety - is the continuation of business operations. A calm, measured, knowledgeable response to the situation can make all the difference toward ensuring that delays in operations are minimized. National Field Services has hundreds of excellent supplier relationships which it can leverage during emergencies to ensure all materials are available and ready to go without long or costly delays. National Field Services is able to project manage the entire recovery process.

Damage Assessment

Upon arrival at your facility, the first order of business is for a member of our technical service team to conduct a thorough damage assessment of your electrical equipment. This assessment includes gathering pertinent drawings and documents that maybe still available and performing an initial walkthrough of the entire electrical distribution system. We will provide you with a detailed inventory list of damaged electrical equipment, man-power estimates, cleaning and test equipment requirements, and recommended actions to bring your electrical system back on-line in the most efficient way possible. **CONT.**

Disaster Recovery Services | When the Unexpected...



Safety Plan

Hazards left by heavy floods or fires sometimes go unnoticed. Therefore, special care should be taken when re-entering either flood or fire damaged areas. While most of us are familiar with lockout/tagout procedures and application of equipment grounds, there are other safety items that need to be addressed when working a disaster recovery project. Items such as air quality, structural issues, and chemical exposure come into play.

Temporary Power

When a large flood disaster occurs, the first things a plant will need are lighting and pumps. The use of generators should be closely monitored to prevent creating additional hazards. It is highly recommended to not allow the plant distribution system to be back-fed. The reverse flow of electricity, or "back feed", can cause additional damage to equipment and creates a large safety hazard for unsuspecting service workers.

Motor Repair

Motors that have been flooded may be subjected to damage by debris or pollutants. This may result to damage in insulation, switches, capacitors and overload devices, corrosion of metallic parts, and contamination of the lubricating means. These components should all be inspected by qualified personnel.

Equipment Documentation

Documentation is critical to the success of any disaster recovery project. All electrical equipment should be tagged then attached to the equipment with all pertinent information, including sequence number, plant identification number, plant description, and date. Power and control leads should be labeled and digital pictures should be taken. Before removing any equipment a sketch should be made on a drawing sheet including the job name, job number, power center, sequence number, plant description, technician name, and date.

Inspection and Testing

Each piece of electrical equipment needs to be physically inspected for damage, cleaned, and dried. A decision will need to be made pertaining to each piece of damaged equipment. A good source to reference is the National Electrical Manufacturers Association (NEMA) publication "*Evaluating Water Damaged Electrical Equipment*".

Repair / Recondition

Electrical equipment exposed to water can be extremely dangerous without proper reconditioning or replacement. Damage can also result from flood waters contaminated with chemicals, sewage, oil, and other debris, which will affect the integrity and performance of the equipment. National Field Services can mobilize NETA certified technicians to assist you in emergency recovery after disaster strikes.

Replacement Equipment and Spare Parts

Sometimes, because of equipment age or extensive damage, it may be determined that equipment reconditioning is not recommended. Our service team can assist in locating new or like new surplus equipment for all types of equipment and manufacturers. Our goal is to get your electrical power system back up and running ASAP.

Installation and Start-up

National Field Services' skilled technicians and engineers are dedicated to equipment installation that meets and exceeds expectations. Our engineers and certified NETA technicians provide expert on-site installations and rigorous state-of-the-art testing procedures that adhere to NETA / ANSI standards and insure you overall system performance, dependability, and safety. **NAT'L**