



Building Systems & Services



**McPhee
Electric**

**Building
Systems
& Services**

Helping you protect your investment

Whether you manage a building or run a business, it's important to protect and sustain your investment in property, systems, inventory and people. That's where McPhee Electric can help. From electrical service or electrical repairs to comprehensive preventative maintenance programs and services to 24/7 emergency response and resolution, our staff of electricians and technicians is trained, certified, experienced and ready to evaluate your systems and help you maximize your investment.

Guard against unexpected power interruptions or failures. Improve safety. And lower operating costs.

It's a fact that 80% of electrical interruptions originate on the business side of the electric meter. That means your side of the meter – right in your own building, office or shop. These interruptions or outages can pack a punch to your productivity and profitability. And if they occur, they do so without warning. Until now.

Stop a problem before it stops you.

McPhee offers a variety of programs and levels of service each designed to help stop unexpected electrical failures before they occur in your facility.

Our customized preventative maintenance programs give you a thorough understanding of the integrity of your electrical system so you can proactively make changes, adjustments or corrections if necessary. Each of our programs will help you:

- Reduce the risk of internal electrical outages.
- Reduce the risk of personal injury, electrical safety hazard and fire.
- Identify power quality issues that can potentially damage your solid state business and/or production equipment.
- Reduce electric utility costs.
- Extend the operational life of your electrical distribution system components.

Costs of Network Failures

Business	Hourly Financial Impact (range)
900 Number services	\$54,000 - \$70,000
Airline Reservation Centers	\$67,000 - \$112,000
Bank ATM Service Fees	\$12,000 - \$17,000
Stock Brokerage House	\$5.6 - \$7.3 million
Catalog Sales Centers	\$60,000 - \$112,000
Cellular Service Activation	\$38,000 - \$44,000
Credit Card Sales Authorizations	\$2.2 - \$3.1 million
Informercial 800 Number Promotions	\$175,000 - \$224,000
Network Connection Fees	\$23,500 - \$32,000
Package shipping Service Requests	\$24,500 - \$32,000
Telephone Ticket Sales	\$56,000 - \$82,000

Electrical Preventative Maintenance

McPhee's regularly scheduled on-going maintenance and testing programs are customized to fit your needs and budget.

Preventative maintenance services include:

- Infrared analysis – detects “hot spots” that suggest potential defective or damaged components, loose connections, overloaded circuits and more
- Electrical power analysis – using recording meters, we record and profile the electrical service anomalies occurring within your facility and suggest corrective measures.
- System inspection, cleaning and maintenance.

Testing services include:

- Acceptance testing.
- Circuit breaker and protective relay testing and calibration.
- Transformer, cable, ground and control systems testing.

All programs include complete and permanent documentation of all tasks performed along with specific recommendations for system enhancements and/or corrections if any are required.



Additions, Renovations and Upgrades

No job is too big or too small for McPhee. If your business is changing size or scope, or your building is ready for an update, we can help from concept to actualization in the following areas:

- Network upgrades
- Lighting system enhancements and controls
- Distribution system upgrades and retrofits
- Data center construction and renovation
- Office space reconfigurations
- Life safety and low voltage control systems



Data center in operation

Emergency Power Systems

McPhee offers complete emergency back-up power alternatives to ensure your business is always prepared for unforeseen electrical emergencies. We provide:

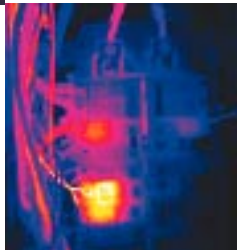
- Uninterruptible power supplies that can be expertly sized, procured and installed to meet the needs of your critical data systems.
- Emergency back-up generators and transfer switches can be permanently installed at your site or provided to you as required through our generator rental program.
- Complete maintenance programs are available for all emergency back-up power means.

Emergency Response and Support

An electrical emergency or crisis can put your entire operation at risk. On call 24/7 and specifically trained and equipped for these situations, McPhee knows how to intervene and rescue your facility from the potential loss an electrical failure or malfunction can cause.



Infrared Thermography of electrical switchgear





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Why McPhee?

For over 25 years, McPhee has provided superior electrical service to customers throughout New England. Experts in all aspects of building systems from electrical contracting, electrical systems testing and preventative maintenance programs to a variety of low voltage services including network and telephony integration, fire protection, life safety, and security, we offer everything you need to minimize risk, reduce costs and improve efficiency.

Our goal is to develop long-term relationships of value with our customers, employees, partners and vendors, and our experience has taught us that relationships mean everything. Building and maintaining them is more than a philosophy at McPhee – it is a tradition on which our success has been built to date – and a tenet that will guide our growth strategies well into the future.

We are committed to consistently provide only the best end-to-end quality and service, for every customer, on every job, no matter what.

We are McPhee Electric, and we are here to deliver. Guaranteed.

List of services

- Prime electrical contracting
- Electrical subcontracting
- Critical power and data center support
- Medium voltage distribution
- Conceptual planning
- Feasibility studies
- Budgeting
- CAD design / Engineering
- Preventative maintenance
- Teledata integration
- 24/7 emergency response and resolution