HIGH-VOLTAGET&DSERVICES

POWER SYSTEMS SOLUTIONS

HIGH-VOLTAGE TRANSMISSION AND DISTRIBUTION SERVICES

# HV Maintenance Services

With nearly 100 years of experience in transmission and distribution equipment maintenance, Progress Energy is the clear choice for maintaining and servicing substation assets, transmission lines and distribution lines. We provide maintenance for a wide range of substation and line equipment, plus outage response and equipment switching services – with all work performed by highly qualified personnel. Our full range of on-site and off-site maintenance solutions keeps your high-voltage equipment running in top condition.

## Predictive Testing and Preventative Maintenance

Our predictive testing tracks the trends and performance of your system and helps to identify pending equipment problems before they affect you, your customers or your system reliability. Progress Energy employs the latest technology to ensure that our commercial, industrial and municipal customers have complete information about the performance of their equipment.

For example, infrared thermography is a critical tool for analyzing switchgear, distribution equipment, breakers, transformers and more. Using the world's smallest, state-of-the-art camera, infrared thermography detects thermal radiation from electrical or mechanical systems and identifies problems before elevating temperatures cause outages or catastrophic failure.

Other preventative testing services include transformer turns ratio testing, Doble power factor testing, excitation testing and on-line monitoring of gas levels in oil. We also offer oil analysis to detect dissolved gases, moisture, dielectric and interfacial tension.

Progress Energy's preventative maintenance program will extend the normal life of your equipment and keep it operating in peak condition. Our preventative services include oil degasification and moisture removal; calibration and servicing of gauges, switches and alarms; and care of exterior equipment housing.

## One-Time and On-Demand Repair Work

We offer one-time and on-demand maintenance and repair work to help keep your equipment up and running to full potential. Repair services, which include on-site diagnostic work and off-site equipment refurbishment, help minimize your production downtime and keep your facility operating efficiently.

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This is an unregulated service offered by Progress Energy Carolinas, Inc., to its customers in North Carolina and South Carolina, and by Progress Energy Florida, Inc., to its customers in Florida. This service is not regulated or sanctioned by the Florida Public Service Commission, the North Carolina Utilities Commission or the South Carolina Public Service Commission. Customers who purchase it will not receive preferential or special treatment from the utility company, and customers are not required to buy it in order to receive safe, reliable electric service.

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## Comprehensive Maintenance Solutions

Our complete line of maintenance services includes:

- Transmission line maintenance
- Flying patrol
- Live-line barehand work
- Right-of-way maintenance
- Circuit breaker maintenance
- Transformer maintenance
- Voltage regulator maintenance
- Switchgear maintenance
- Capacitor bank maintenance
- Relay calibration
- Battery maintenance and testing
- Oil testing, handling and processing
- Power equipment dielectric testing
- Infrared thermography
- Substation group system maintenance
- HV equipment painting
- Large MVA transformers assembly and disassembly
- UG cable and fault locating
- On-site power equipment moving
- Off-site power equipment hauling
- Storm/emergency response

By applying our expertise, technology and high quality standards to solve your transmission and distribution maintenance needs, we enable you, our customer, to focus on what you do best – manage your core business. Your high-voltage equipment is an investment and an integral part of the operation of your business. Turn to Progress Energy to maximize your productivity and safely extend the life of your equipment.

## For more information,

call 1.800.433.6944 or visit progress-energy.com.

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HIGH-VOLTAGE T&D SERVICES