



POWER SYSTEMS SOLUTIONS

HIGH-VOLTAGE TRANSMISSION AND DISTRIBUTION SERVICES

HV Engineering Services

As a key part of our high-voltage transmission and distribution service, Progress Energy offers comprehensive engineering capabilities. From substations to metering systems, we're uniquely qualified to design high-voltage power infrastructures for our industrial, commercial, municipal, utility, military and university customers.

Our Engineering Services team consists of civil, electrical, mechanical and professional engineers with experience in substation and line protection, as well as transmission and distribution line and substation design.

Substation Engineering

Progress Energy provides turnkey engineering for new transmission-to-distribution substations and switchyards, as well as modification and upgrades to your existing facilities. Our expertise includes site design, permitting, erosion control plans, roadway work, structure and foundation design, grounding design, bus work and major equipment specifications.

Our designs are customized to meet your specific needs and ensure the most efficient operation of your energy delivery system. When the engineering package is complete, we turn it over to Progress Energy's construction group or your chosen contractor.

Relay Engineering

At Progress Energy, we understand that your ability to communicate with and monitor your system is critical to maintaining an efficient and high-performing electrical infrastructure. We take great care in planning your data and carrier networks, remote terminal units, protection and controls and metering systems. Our detailed designs give you the valuable information you need to verify the continuous operation of your system.

Line Design

Beyond the substation, Progress Energy can handle the design of your new transmission and distribution lines and analyze the performance of existing line structures. Our professional engineers have expertise in designing foundations and specifying all types of poles and towers for a full range of voltage requirements. We also provide environmental support, geo-technical services and right-of-way services.

Let Progress Energy help you maximize the productivity, profitability and safety of your power infrastructure. Our company has nearly 100 years of experience in providing state-of-the-art designs for your new and existing systems. With expertise like ours, why trust the design of your high-voltage systems to anyone else?

For more information,

call 1.800.433.6944 or visit progress-energy.com.



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