POWER ENGINEERING SERVICES, INC.

NETA

POWER SYSTEM STUDIES

Power Engineering Services has over 25 years of experience specializing in electrical engineering analyses, utilizing the latest engineering software. PES is a registered engineering firm in the states of Texas, Oklahoma, Florida, Arizona, Louisiana, and Virginia.

PROTECTIVE DEVICE COORDINATION STUDY

This study increases equipment protection, sets the devices to trip in sequence, and limits faults to smaller areas of the distribution system.

SHORT CIRCUT STUDY

This study identifies equipment before major damages occur by providing accurate fault current calculations at each location in the system.

ARC FLASH ANALYSIS

This study will determine available fault currents and arc flash hazards, thus ensuring personnel are using the proper PPE in compliance with OSHA and NFPA.

LOAD FLOW STUDY

This study identifies overloaded and under-utilized equipment to recommend adequate sizing.

VOLTAGE DROP STUDY

This study identifies the percent of voltage drop to prevent damage to equipment and reduce wasted energy.

POWER QUALITY ANALYSIS

This study examines harmonics, load flow and power factor to uncover the source of electrical disturbances.

POWER FACTOR CORRECTION

This study analyzes voltage and current consumption to maximize plant efficiency and minimize poor power quality, thus reducing penalty costs from the utility.

HARMONIC ANALYSIS

This study will identify the source of harmonics to minimize potential damage to equipment and help implement corrective action.

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