



# EMPLOYER FACT SHEET

## Enlisted Personnel Ratings/MOS's Energy Power Plant Operators

### RATINGS/MOS:

- **Navy: EM-Electrician's Mate, EM(NUC)-Electrician's Mate (Nuclear), EN-Engineman, GSM-Gas Turbine System Technician Mechanical, GSE-Gas Turbine System Technician Electrical, MM-Machinist's Mate**
- **Army: 12P Prime Power Production Specialist**

The primary duties of the Ratings/MOS that can be considered for Energy Power Plant Operator positions include:

- Operation of a ship's electrical power generation systems, lighting systems, electrical equipment, and electrical appliances
- Installation, operation, adjustment, routine maintenance, inspection, test, and repair of electrical equipment
- Operation, service, and repair of internal combustion engines
- Operation and maintenance of electrohydraulic controllable pitch propeller systems and steering engines, refrigeration and air conditioning systems, air compressors, desalinization plants, and small auxiliary boilers

Individuals in these classifications display an aptitude for working with tools, equipment, mechanical devices, and machines; good manual dexterity and physical stamina; above average math skills; good speaking ability; clerical ability for record keeping and detailed work; have the ability to do repetitive tasks; and are able to get along with others and work as part of a team. They can work closely with others but also perform their duties with limited supervision.

The American Council on Education recommends that semester hour credits be awarded in the vocational certificate or lower-division bachelor's/associate's degree categories for courses taken in this rating on basic electronic, electricity, computer operation, machinery maintenance, blueprint reading, and air conditioning and refrigeration.

### COMPARABLE ENERGY JOBS:

POWER PLANT OPERATOR  
AUXILIARY EQUIPMENT  
OPERATOR  
OPERATOR TRAINEE  
MAINTENANCE  
OPERATOR TRAINEE

# EMPLOYER FACT SHEET

The military training received also provides job-specific training for:

## POWER PLANT OPERATOR

- Operate and maintain diesel engines and reduction gears
- Operate and maintain compressed gas producing plants, deck equipment including cranes, winches and hoists, condensers, and heat exchange devices
- Operate and maintain hydraulic power plants, hoists and cylinders, oxygen generators, atmosphere control equipment, refrigeration systems, emergency diesel engines, pressurized air systems, and plumbing systems
- Operate power plant equipment to maximize the reliability of the electric grid
- Ensure proper safety clearance and caution (lockout/tagout)
- Perform preventative maintenance and inspections
- Tag equipment for maintenance and valve operation

## AUXILIARY EQUIPMENT OPERATOR

- Operate electrical power generation systems, lighting systems, electrical equipment, and electrical appliances
- Install, operate, adjust, maintain, inspect, test, and repair electrical equipment
- Perform maintenance and repair of related electronic equipment
- Operate, repair, and perform organizational and intermediate maintenance on mechanical components of gas turbine engines
- Operate and maintain auxiliary machinery such as diesel generators, pumps, and oil purifiers
- Maintain auxiliary machinery outside of main machinery spaces, such as electrohydraulic steering engines and elevators, refrigeration plants, air conditioning systems, and desalinization plants
- Operate and maintain hydraulic power plants, hoists and cylinders, oxygen generators, atmosphere control equipment, refrigeration systems, emergency diesel engines, pressurized air systems, and plumbing

