



## SKILLED TRADES

POSITIONS IN THE FOREST PRODUCTS INDUSTRY



# POWER STEAM ENGINEER

**OTHER JOB TITLES:** *stationary engineer steam power plant, steam power plant stationary engineer, powerhouse operator, power engineer, steam plant operator, steam turbine operator.*

**IF YOU WANT GOOD PAY, OPPORTUNITIES TO LEARN ON THE JOB, A GREAT LIFESTYLE AND THE CHANCE TO WORK IN CANADA'S GREENEST WORKFORCE, THEN THE FOREST PRODUCTS INDUSTRY IS RIGHT FOR YOU.**

Why green? The forests are a renewable natural resource and the Canadian forest products industry is known for its world-class environmental credentials, including having the most certified forests in the world, and cutting more than 70% of its greenhouse gas emissions since 1990.

The industry offers something for everyone. It's an industry with a reputation for investing in skills training and career growth, and no matter what part of the forest products industry you work in - on the mill floor as a mechanical engineer, or in the forest as a forestry technician - every job is part of the greenest industry in Canada.

Canadian forest product companies will need to hire 60,000, or more, **new workers by 2020** to meet demand and you could be one of them!

### DESCRIPTION

As the job title suggests, working as a power steam engineer is all about keeping power running in big industrial and commercial facilities. Efficiency and safety are your two biggest responsibilities. Your duties include supervising, operating and maintaining machinery and boilers that provide steam, power, heat, refrigeration and other utility services. Many mills are automated to improve efficiency and safety. These automated systems are often the responsibility of power steam engineers.

In some mills, senior power steam engineers work in control rooms. They need to be able to analyze problems and take action to keep a mill running smoothly and safely. More junior power steam engineers may find themselves spending most of their time on the mill floor monitoring and adjusting equipment.

### KEY RESPONSIBILITIES

Power steam engineers perform some or all of the following duties:

- operating and maintaining boilers, steam and gas turbines, generators, gas and diesel internal combustion engines, pumps, condensers, compressors, pressure vessels and related controls
- overseeing heating, air-conditioning, ventilation, refrigeration, fire systems and building control systems
- ensuring safety codes and regulations are followed
- monitoring alarms, gauges and other instruments
- trouble shooting equipment and system failures
- isolating equipment mechanically and electrically for inspection and repair

### THIS JOB IS RIGHT FOR YOU IF...

- you want to live an oversized life in one of Canada's beautiful forest communities
- a sense of community is important to you
- you like variety and learning new things
- you want to make a difference working in a green job
- you have mechanical aptitude
- you are handy with tools
- you are a team player
- you take safety seriously

### \$ EARNING POTENTIAL



This is the high end of the Canadian average. In some areas, power steam engineers make close to \$60 per hour.

### + BENEFITS MAY INCLUDE

- Apprenticeships
- Career growth
- Daycare
- Dental and medical plans
- Employee assistance plans
- Pensions
- Ongoing training

### EDUCATION AND TRAINING

Finishing high school is your first step on the road to becoming a power steam engineer. After that you will need to complete a college training program. Here is a complete list of Canadian Universities and Colleges: [thegreenestworkforce.ca/education](http://thegreenestworkforce.ca/education)

### #LIFE'S BETTER HERE

**Dare to Compare. See how much time and money you would save by moving to a forest community. Visit [thegreenestworkforce.ca/compare](http://thegreenestworkforce.ca/compare)**