

FINDING

Work in ...

Informing
Attracting
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POWER ENGINEER

QUICK FACTS

- Power plant equipment may consist of gas and steam turbines, boilers, pumps, and motors.
- Requires 24-hour, 7-day shift coverage.
- Must possess Alberta Boiler Safety Association Certification. (www.absa.ca)
- Able to work under pressure and in crisis.

NATURE OF WORK

- Starting and stopping power plant equipment.
- Checking all equipment regularly.
- Working with computers from entering data to completing spread sheets to operating the equipment.
- Maintaining all equipment to prevent breakdowns.
- General clean up of all areas.
- Monitoring electrical grids.
- Completing high voltage switching orders.
- Performing high voltage switching.
- Performing lockout / tag-out procedures.
- Issuing safe work permits to maintenance personnel.
- Can be physically demanding.
- Can be highly stressful.
- Involves lots of walking.
- Requires mental alertness.
- Work is done at the company location, within the local area, throughout southeast Alberta, and into Saskatchewan (Empress gas plants).
- Work is year round and may full time or part time.
- Seasonal work for summer vacation relief may be available.
- Occasional overtime is available.
- Shift work is required.

- The wage range for a power engineer in southeastern Alberta is \$12.12 per hour to \$42.09 per hour.
- For additional information, visit www.alis.gov.ab.ca (NOC#7351).



WHAT EMPLOYERS LOOK FOR

- Alberta Boilers Safety Association certification
- Power Engineering Technology diploma.
- WHMIS
- A valid class 5 Alberta Operators License.
- First Aid.
- Previous operating experience in a thermal electrical generating plant.
- Previous operating experience as a power engineer.
- Ability to make sound decisions independently.
- Good written and oral communication skills.
- Ability to express ideas clearly and accurately.

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WHAT EMPLOYERS LOOK FOR CONTINUED...

- Knowledge of the Alberta Boiler Safety Association Act and its Regulations.
- Knowledge of the Occupational Health and Safety Act as it applies to the Employer.
- Ability to take and give directions.
- Ability to learn from others as well as on your own.
- Ability to take charge in emergency or critical conditions.
- Flexibility for shift work.

RELATED TRAINING OPPORTUNITIES

- On-the-job training is provided.
- Power Engineering Technology Diploma is available through the Medicine Hat College (www.mhc.ab.ca).
- Visit the **Corporate Education Network** for additional training opportunities specifically in Southeast Alberta (www.cenetnetwork.ca).

OPPORTUNITIES & ADVANCEMENTS

- Opportunities to advance to Assistant Engineer, Shift Supervisor or Operations Superintendent may be available.
- In-house training and qualifying can provide opportunities to advance.
- Position vacancies provide opportunities to advance.

HOW TO APPLY

- Hiring procedures vary depending on the employer. Generally, job seekers are to submit a resume or complete a company application form.
- Apply in person, by email, mail or by fax directly to the company office.
- In some cases, a company application form may be available on-line at the company website.
- An individual interview may follow.
- Check www.jobbank.gc.ca for current job listings in Southeast Alberta.

POTENTIAL EMPLOYERS

- Canadian Fertilizers (www.canadian-fertilizers.com)
- City of Medicine Hat Power Plant (www.medicinehat.ca)
- Empress gas plants
 - ATCO Midstream Gas Plant (www.atcomidstream.com)
 - BP Canada Gas Plant (www.bp.com)
 - Provident Energy (www.providentenergy.com)
 - Spectra Energy
- Goodyear Canada (www.goodyear.ca)
- I W Kuhn Construction, Oyen (www.iwkuhn.ab.ca)
- Lakeside Packers (www.lakesidepackers.com)
- NuVista Energy, Oyen (www.nuvistaenergy.com)
- Palliser Health Region Hospitals (www.palliserhealth.ca), including:
 - Bassano Health Care
 - Big Country Health Care, Oyen
 - Bow Island Health Care
 - Brooks Health Care
 - Medicine Hat Regional Hospital
- Sheerness ATCO Power Plant, Hanna (www.atcopower.com)
- Steammaster Cleaning, Oyen
- TransCanada Compressor Station, Burstall, SK.