



Career Opportunities at Loy Yang B

We offer a range of opportunities for high school, vocational and tertiary students in technical and professional roles including Graduate placements, Apprenticeships, Traineeships, Structured Workplace Learning and Work Experience opportunities. Find out more below.

Loy Yang B Power Station



What do we do?

Loy Yang B is a thermal power station comprising two electricity generating units which together provide up to 1,200MW of baseload power and supply approximately 20% of Victoria's energy needs. Located in Victoria's Latrobe Valley, we first commenced operations in 1993 and have remained one of the lowest cost and most reliable generators in the National Electricity Market (NEM) ever since.

Loy Yang B supports the energy transition by providing system strength alongside firm supply and this reliable supply will remain critical until the transitioning electricity system we see today becomes mature enough to provide the stability the NEM requires to operate securely.

We are investigating emission reduction opportunities, including net zero carbon scenarios where Loy Yang B could supply dispatchable, renewable energy to support network stability, and have committed to an ongoing annual budget for research and development to determine where affordable opportunities exist.

Loy Yang B is operated by LYB Operations & Maintenance Pty Ltd and owned by Chow Tai Fook Enterprises (CTFE). We're an integral part of the CTFE group alongside the Alinta Energy group, which has a large portfolio including retail and customer service, gas-fired power generation in Australia and New Zealand, battery projects, wind farms and a solar gas hybrid project, with more renewable projects underway.

The power industry is an exciting place to work with many opportunities arising in thermal and renewable electricity generation.

Find out more about our commitment to sustainability and the environment here [**loyyangb.com.au/environment-and-sustainability**](https://loyyangb.com.au/environment-and-sustainability)

Trades and Technical Roles

Apprenticeships

Trade qualifications

Apprentices work within our maintenance teams where they gain hands on, practical skills from experienced people willing to share their knowledge and passion for their trade. Apprentices attend trade school, generally one day a week or via a block of sessions, to obtain a nationally-recognised trade qualification. The skills gained are transferrable to other roles and industries.

Apprentices are paid to learn, and unlike university students, will not accrue a HECS/HELPS debt.

Loy Yang B's Apprentices complete placements with other employers to broaden their experience, enhance trade skills and develop valuable networks.

Apprentices have the potential to be selected for a scholarship offering financial support to complete a post-trade qualification in new energy technologies following successful completion of their trade certificate.

Apprenticeships are four years in duration, and offered in the following areas:

Fitting & Turning

As a Fitter & Turner, you'll grow in your mechanical knowhow and become skilful at installing new machinery, repairing old machinery and making parts. You will learn to operate heavy equipment like metal lathes and milling machines to manufacture and repair parts, and study technical drawings to determine how to assemble equipment, find faults on running plant and fabricate to exact specifications. A fitter can work on almost anything mechanical, such as gearboxes, pumps, conveyors, valves, pipework and turbines, so skills are transferable to a range of roles.



**Qualification upon completion:
Certificate III in Engineering -
Mechanical Trade.**

Metal Fabrication

As a Metal Fabricator, you will gain the appropriate knowledge and skills to carry out tasks including gas cutting and welding, electric arc welding, steel fabrication from technical drawings, fault identification, and repairs to fabricated equipment. You'll learn to use hand tools such as angle grinders, drills, hammers, chisels and measuring equipment. Sound knowledge in all safety aspects and hazard identification associated with the trade will also be gained. Read more about how one of our recently qualified apprentices has applied his metal fabrication skills in other industries further on in this brochure.



**Qualification upon completion:
Certificate III in Engineering –
Fabrication Trade.**

Electrical

Electricians perform the hands-on work associated with electrical systems which includes installing and repairing electrical networks, systems and circuits, mainly in a heavy industrial environment. Tasks include diagnosing issues in electrical networks, fitting and repairing electrical components, maintenance of electrical plant, identifying cables and wires required for repair or replacement, installing electrical switchboards and working with electrical circuit drawings to determine how to execute the task at hand.



**Qualification upon completion:
Certificate III in Electrotechnology
Electrician.**

High performers may be given the opportunity to complete further training to obtain a Certificate III in Instrumentation and Controls upon completion of their electrical training.

Trades and Technical Roles

How to get an apprenticeship?:

Loy Yang B Power Station hosts Apprentices under a group training arrangement with Programmed Skilled Workforce. Programmed employs the Apprentice, pays their wages and other employment benefits, manages the quality and continuity of training, and provides additional support for the Apprentice to complete their training.

To successfully gain an apprenticeship, you must demonstrate you meet the following selection criteria:

- Good communication skills
- Reliability and punctuality
- Systematic problem solving
- Good mathematical skills
- Excellent mechanical aptitude
- Good safety awareness

When and how to apply: Apprenticeships are generally advertised in August/September, with successful applicants to commence in January the following calendar year. Opportunities are advertised via the school network, social media, Programmed and Loy Yang B's websites, and local newspapers.

Upon completion of your apprenticeship, there is the possibility to complete a further six months of study to assist you in gaining employment in the renewable energy sector (Wind Generation) as a Wind Turbine Technician.



Kyle Heusmann

Kyle Heusmann completed his four year metal fabrication apprenticeship in January 2021 with a nationally-recognised qualification and valuable hands-on experience, including working on a major upgrade to our units – the biggest project in our power station’s history.

Now a fully qualified boilermaker and metal fabricator, Kyle said there has been no shortage of work, including outside of the power industry where he’s helped construct bridges, build trailers and create structures for large scale building developments.

“I was initially worried about finding work when I finished my apprenticeship, but there is actually a lot of work out there. When you have the right skills, the work comes to you and you get calls out of the blue for all kinds of jobs,” he said.

“Working in a power station during my apprenticeship and in a structural workshop before that has given me a good variety of skills so I can now take on jobs that I wouldn’t have previously been confident doing.”



Jess Bullard

Electrical apprentice Jess Bullard didn’t take the conventional route into her trade.

As a mum of two young kids, Jess was in her mid-20s and had been working for four years in property valuation administration when she decided to make a career change.

“I didn’t think it was a possibility to leave a stable, comfortable job and take on an apprenticeship, but it opened my eyes that I can do it,” she said.

Jess is now completing the final year of her four-year apprenticeship while additionally working towards an instrumentation certificate to give her a dual trade. She’s also gained skills which will equip her for both industrial and domestic electrical work when thermal power stations close.

Jess said she was excited by opportunities beyond coal and how what she’s learnt will transfer to new and different industries.

“Even if it isn’t brown coal I’m working in, the skills I am gaining will still be relevant – a safe work approach, technical skills, using drawings, problem solving, people skills – they are all transferable,” she said.

Opportunities for Secondary Students

Structured Workplace Learning

We offer Structured Workplace Learning (SWL) placements to secondary students interested in careers in Fitting & Turning, Metal Fabrication or Electrical trades – giving them a taste of their chosen trade to make informed decisions to assist with career progression.

Participants attend Loy Yang B one day a week for 20 weeks, where they will integrate practical on-the-job experience and learnings in industry with nationally recognised Vocational Education and Training (VET) undertaken as part of their Victorian Certificate of Education (VCE) vocational major.

When and how to apply: SWL placements are coordinated by the Baw Baw Latrobe LLEN and advertised on the SWL Statewide Portal workplacements.education.vic.gov.au.

Work Experience

We offer work experience to Year 10 students and above throughout the year in various fields ranging from Engineering, Science, HR, Finance, IT and trade roles. You will come to the Loy Yang B site to experience the power station environment and get a feel for your preferred career choice, while working alongside a subject matter expert. Placements are available subject to operational requirements, and are generally one to two weeks in duration.

When and how to apply: Opportunities are available throughout the year. Please speak to your careers teacher for further details.



Completing a series of weekly placements at Loy Yang B confirmed for Jackson Ludlow that pursuing a trade was the right choice for him.

Jackson was one of the Structured Workplace Learning students who undertook weekly work placements at Loy Yang B for 20 weeks during 2021, while also completing his year 11 studies.

"I was able to gain insight into my chosen trade and get a better understanding of the workplace to see if it is a good fit for me," he said.

"I have enjoyed my time; the guys have been great and taken time out of their day to teach me a lot of interesting things.

"At school I learnt the theory behind the trade, but here you get to put it to good use and learn lots about working in an industrial setting."

Jackson had the added bonus of his placement being during a planned inspection shut down on one of the units, where he saw a side of the power plant that most students don't get to see.

Jackson obtained an electrical apprenticeship with Zinfra following his work placement.

Meet our team



Tavis Allen

Technician/Operator (Fitter)

My job allows me to work on many different systems and items of plant. I have learnt how to disassemble, assess and rebuild gearboxes, pumps and many other items of plant. Another area of fitting and turning that I enjoy is machining. This is where I manufacture parts using lathes, mills, drills and many other large machines.

I also enjoy working with many different people and companies all over Australia. I have travelled from Victoria to NSW, Queensland and even over to WA, making many friends and gaining a wide range of skills along the way.

I started my career with an apprenticeship at Latrobe Valley Machining in Morwell. There I gained experience in manual machining. After a couple of years, I moved on to numerical control machining, where I learnt how to program and run the automated machines. After my apprenticeship, I felt it was time to gain some experience in the fitting side of my trade. I was lucky enough to get a casual job on a major outage at Hazelwood Power Station. I learnt so much about steam turbines,

how they worked and how all the parts worked together. I continued as a casual employee for about six years working on maintenance shuts and construction, gaining more experience at many different power plants all over Australia.

I was lucky enough after six years of being casual to gain full time employment in operations at Hazelwood Power Station. This helped me understand how the items of plant I had worked on, all worked together. I was employed at Hazelwood for two years before it shut down. With the skills and experience I had developed over 13 years, I was able to secure a job at Loy Yang B as a full time Technician/Operator.

The best piece of advice I received is to work hard and listen to anyone that is taking the time to teach you something. Also, don't be afraid to make mistakes. It's better to have a go, as these are the experiences you will learn from.

Opportunities for tertiary students

We offer graduates the chance to work in a challenging and innovative environment where you will be supported by your colleagues and offered opportunities for personal growth and development. This can be through vacation employment or 12-month graduate positions. Our affiliation with Alinta Energy means there may be opportunity to spend some time at one, or several of its assets.

Graduates are offered an attractive salary package including working a 36-hour week over an eight-day fortnight. Fields include Engineering (Electrical, Mechanical and Instrument & Controls), Finance/Accounting, Chemical and Environmental Sciences and Human Resources.

When and how to apply: Opportunities are advertised across our social media platforms, in local newspapers and on our website loyyangb.com.au as they become available.

Mechanical Engineering

Our Mechanical Engineers provide engineering services in relation to the design, installation, maintenance, statutory compliance and performance efficiency of the power station. You will gain knowledge of mechanical asset management and maintenance principles, working with rotating plant including pumps, milling and conveyors, turbines and high pressure steam systems.

You will develop and manage technical instructions and procedural documents, coordinate and carry out installations/modifications to equipment and implement initiatives to improve plant performance.

Electrical Engineering

Our Electrical Engineers provide engineering services covering the installation, maintenance, statutory compliance, and performance efficiency of power generation and associated electrical transmission equipment. Your principal role will be to provide electrical engineering services for the electrical power systems of generating plant and high voltage switchyards, including generators, motors, transformers and the associated control and protection equipment.

Chemical and Environmental Science (Chemical & Environmental Officer)

Our Chemists are responsible for managing station environmental compliance and the management and operation of process water treatment and chemical treatment systems associated with our operations. You will gain an understanding of the Environment Protection and Occupational Health & Safety Acts, Dangerous Goods and Hazardous Substance regulations and their requirements, as well as an understanding of water treatment systems. You will ensure sound environment management practices and safe working processes involving dangerous goods and hazardous substances are in place. You'll also assist with the water treatment plant operations, the maintenance of chemical treatment systems, monitoring and reporting in accordance with procedures and technical instructions.

Meet our team



Jay van der Stoep Plant Engineer

Being an engineer is great because you have the power to make a difference. Engineering is the field that solves the most impactful of our problems in the world. As engineers, we are constantly changing the world with inventions and solutions that affect everyone's lives. The power industry is a very attractive career choice due to its exposure to great new technologies, renewables, new projects and great sense of responsibility with energy production and efficiency. Engineering careers pay well, and engineering qualifications are in high demand all over the world.

I started my career in the heavy industry sector as a fitter and machinist, and after completing an apprenticeship, I was granted a scholarship to pursue studies in engineering whilst working. This combination has given me a great practical platform to build on and has led to employment in the pulp and paper industry, power industry and water sector. I've also been exposed and worked on large scale construction projects in Victoria. I was involved in our power station's efficiency upgrade project, which allowed me to travel internationally to design and test the latest in boiler feed pump technologies.

The best piece of advice I can give prospective engineers is to find good mentors. Throughout your career seek people who can show, teach and expose you to new experiences. A good engineer never rests, is always hungry for more information to improve a situation or circumstance. Seek an employer with a working environment prioritising continuous improvement.