



YOU have the power to choose a bright future for yourself.

### The Possibilities are Electric

If you're looking for a career in an industry that will always be in demand, the electricity sector is for you. Everybody depends on electricity, even though they often don't stop to think about all the different people it takes to bring power to their homes. An amazing variety of job opportunities are waiting for you.

Given the highly technical nature of the industry, most people require specialized knowledge. This can come from on-the-job training or university and college degrees in fields such as electrical engineering or environmental science. Whatever your background, a good understanding of the steps and equipment involved in the generation, transmission and distribution of electrical power is a must. If you've got what it takes, the options are unlimited!

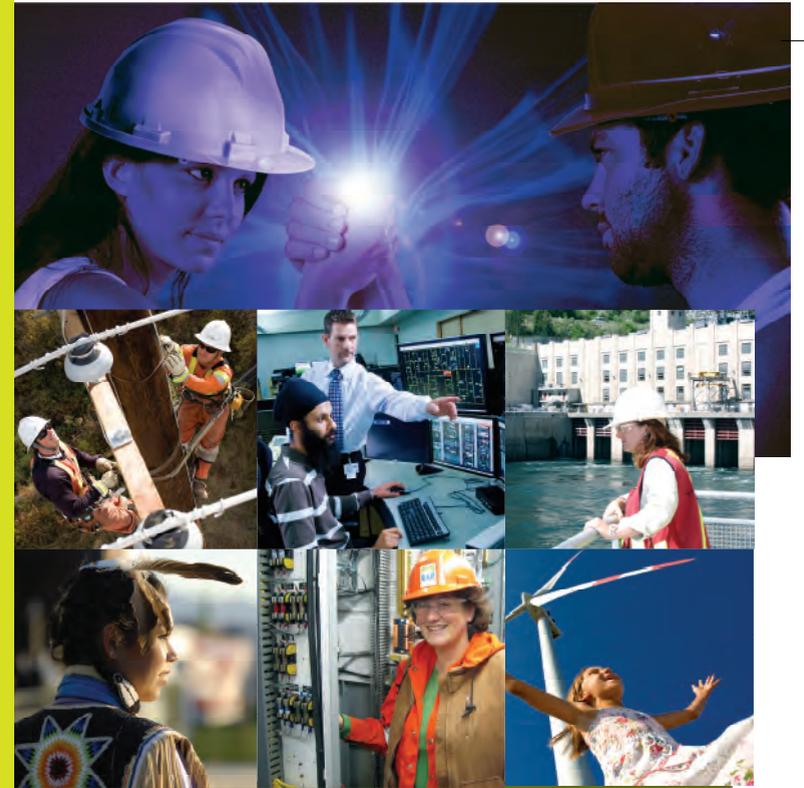
### A Unique Window of Opportunity

This is a fantastic time to get into the electricity sector. By 2015, 30% of BC's population will be aged 55 or older and will be ready to retire within the next decade. What does this mean to you? As a new employee you will have a chance to move up fast. Electricity is so important to our lives that the sector is doing everything possible to ensure customers continue to enjoy the high quality service we've all come to expect. This means that supervisors and managers are making a strong commitment to help new workers learn every facet of their job, with a strong emphasis on safety procedures. When the senior workers retire, you will be ready to advance!

Employees in the electricity sector make great wages and receive excellent benefits. Hard work and dedication is rewarded with opportunities for growth and fast advancement.

#### So all this sounds good...but what's the catch?

*Actually, there isn't one!*



*ENERGIZE YOUR FUTURE*



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YOUR FUTURE AS A:

**Smart Energy System Specialist**



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Ministry of  
Energy, Mines and  
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## WHAT DOES A Smart Energy System Specialist DO?

If advanced technology is your passion and you like to keep on top of the latest advances, you'd fit right in as a Smart Energy System Specialist. BC's electrical sector is committed to continually modernizing all parts of the power grid and Engineers, Technologists and Technicians who specialize in making these upgrades are in strong demand. Smart power systems use advances in hardware and software to boost the computing power of the electrical grid's many components. Smart meters record power usage and energy flows in real-time and feed information back to central computers for analysis. All this new information is a powerful tool that allows energy providers to gear up their operations for maximum performance. Running things more efficiently and minimizing waste is not only less expensive, it's also a big bonus for the environment!

Better control of mission-critical information allows power workers to make more informed decisions in a shorter time. Smart Energy Systems make calculations automatically, intelligent alarms warn of potential problems and signals are sent to automated switching devices. Re-routing power and trading electricity with neighbouring provinces or states becomes easier. Computer modelling of 'what if' situations allows you to try new approaches without risk.

All this sophisticated equipment requires top-notch people to set it up. Engineers often design the systems while technologists and technicians install, maintain and configure and test them. It's important to keep on track of new innovations and changing standards in the way information is sent, analysed and stored. When part of a system is upgraded, you have to ensure that older and newer equipment can link up together and that backup systems will still function. Working with the very latest technology can be a complicated challenge, but it's a big reward to know that you're a key part of building a sustainable energy future.



### Safety is #1

Safety is always the FIRST priority and we make sure everyone sticks to the plan. Staying focused and aware is the key. Everyone is responsible for not only their own personal protection, but also for the safety of their co-workers and the public. And it feels good to know that you and your co-workers are always looking out for each other!

Your future as a:

## SMART ENERGY SYSTEM SPECIALIST

### WHAT'S THE COMMITMENT?

Depending on how far you go into your area of specialisation a college diploma as a technologist or technician could take two to three years whereas a university degree could take four to five years or more. Familiarity with the latest power technology is a must and specialized training courses will get you there faster than on-the-job training alone. Smart Energy System Specialists also make a long-term commitment to continuous learning in order to stay ahead of the curve

### WHAT DO I NEED TO APPLY?

- A university degree in engineering or a college degree as a technologist or technician.
- Good knowledge of advanced power generation, transmission and distribution systems.
- An ability to work your way up and gain knowledge of the industry as well as a proven track record in implementing technology solutions.

### APPLICATIONS

- Resumes with a cover letter and a copy of your school transcripts can be sent directly to potential employers.
- For employer website links visit [www.brightfuturesbc.ca/jobs](http://www.brightfuturesbc.ca/jobs)

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