

## Quality Apprenticeships

### CASE STUDY: Phoebe Michel

Working with large diesel engines, heavy machinery and heavy duty tools are all in a day's work for Mechanical Fitter Phoebe Michel.

Phoebe (featured on the front cover) officially completed her apprenticeship in August 2017. During Phoebe's time with TGen, she has demonstrated a commitment to excellence, strong leadership qualities and impressive personal motivation needed in the pursuit of her career.

During a typical day, Phoebe services and maintains diesel engines housed at Territory Generation's power station in Alice Springs. Phoebe believes you need commitment, drive and patience in her job, and she thoroughly enjoys supplying power to the town.

Having recently completed her diesel mechanical fitter apprenticeship at Territory Generation, Phoebe's motivation and passion for her role is mirrored by Steve Bell (pictured with Phoebe, right), who also started as a diesel fitter apprentice and is was recently appointed as the Station Manager for our newest power station, Owen Springs.

With 30 years separating the two Territory Generation employees, their career paths prove that sticking to an industry which you are passionate about can be very rewarding.



### PHOEBE MICHEL

**Position:** Mechanical Fitter  
**Length of service:** 3.5 years

*Typical day / week:* Service and maintain diesel engines

*Qualifications / skills:* Qualifications are required in the diesel mechanic trade. In addition you need to be a practical person, have motivation and passion for the job.

*Advice to students:* You need commitment, drive and patience.

*What I enjoy about working at TGen:* I most enjoy the size of the machinery and suppling the town's power, which is really cool.

*Career pathway:* Apprenticeship – done!

*Sectors:* Generation (Heavy diesel machinery)

## Career Pathways

Listed below are some of the trades and associated qualifications that Territory Generation employees have achieved and/or use in their jobs:

- Accountant
- Administration Assistant
- Analyst
- Asset Engineer
- Business Administration
- Chemist
- Compliance Officer
- Control System Engineer
- Corporate Communications
- Data Analyst
- Economist
- Electrical Engineer
- Electrical Manager
- Electrical Tradesperson
- Energy Coordinator
- Environment Officer
- Financial Controller
- Generation Controller
- Human Resources
- ICT Engineer
- ICT Project Officer
- Inventory Officer
- Lawyer
- Learning and Development
- Maintenance Manager
- Maintenance Planner
- Marketing
- Materials Officer
- Mechanical Tradesperson
- Operator
- Operator Maintenance Technician
- Outage Planner
- Performance and Reliability Engineer
- Procurement & Contracts
- Production Manager
- Project Engineer
- Project Specialist
- Public Relations
- Records Management
- Safety Officer
- Storeperson
- Supply Chain Officer
- Sustainability
- Trades Assistant
- Trading and Revenue
- Wholesale Production



## TGen – Supporting Career Development

Territory Generation is supporting the careers of new entrants into the generation sector with a number of different programs.

TGen is proud to support the Engineers Australia Diversity Scholarship Program which provides 2 scholarships per year to female and indigenous engineering students. The inaugural winners in 2017 were Shannon Fuller and Rikki Bruce.

Pictured (right) is Shannon Fuller receiving her scholarship from Education Minister Eva Lawler, with Engineers Australia GM Mark Monaghan (left) and TGen CEO Tim Duignan (right).

"Territory Generation is actively working to better reflect the demographics of the communities in which it operates," CEO Tim Duignan said.

TGen is also a champion sponsor of the NT Careers Expo and major sponsor of October Business Month.



### MORE INFORMATION

At Territory Generation, we provide opportunities through a number of career development programs. Every year, we take on school leavers and adults across the Territory to undertake electrical and mechanical apprenticeships.

If you would like to know more about our apprenticeships, contact Programmed Skilled Workforce on 13 STAFF (13 78233).

**For more information about Territory Generation, contact 8935 8434.**

# Careers at Territory Generation





## CEO message

“Territory Generation offers a wide range of career opportunities in one of the most exciting, rapidly-changing industries in the world. We are proud of our diverse workforce and invite you to have a look at what might be your next career move.”

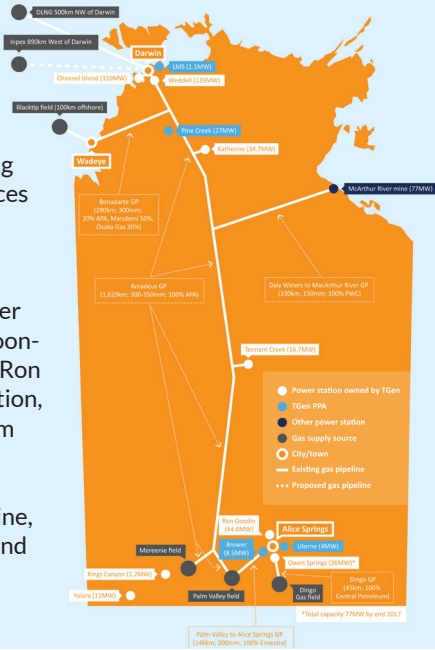
## Who are we

Territory Generation is the largest electricity producer in the Northern Territory. We own and operate power stations throughout the Territory – with our focus to produce wholesale electricity to sell to retail customers, such as Jacana and Rimfire Energy.

Once this energy is produced and it leaves our stations, we “handover” the power generated to Power Water Corporation who then manage this power through its network of poles, wires and substations to deliver this to Territorians. Territory Generation employs 200 people and boasts decades of operational excellence generating power in key locations throughout the Territory.

## Where we operate

Our largest station is Channel Island, including Weddell – which produces power for the Darwin-Katherine grid. In Alice Springs, we operate the new Owen Springs Power Station, as well as the soon-to-be-decommissioned Ron Goodin Station. In addition, we use solar energy from Uterne to service that region. Our regional stations include Katherine, Tennant Creek, Yulara and Kings Canyon.



## A Snapshot of our people and their roles



### STEVE BELL

**Position:** Station Manager,  
Owen Springs Power Station  
**Length of service:** 30 years

*Typical day / week:* My new role is to bring TGen's newest power station online, which has many challenges.

*Qualifications / skills:* I am a Diesel Fitter by trade and have carried out a number of managerial jobs over the years.

*Advice for students:* Take control, if you want it, take it. Being transparent is vital.

*What I enjoy about working at TGen:* New challenges which includes my new role and the enjoyment of previous roles, including working at regional sites.

*Career pathway:* Diesel Fitter apprenticeship, operator & maintenance technician, manager at regional sites, Principal Technologist, Asset Management, Station Manager

**Sectors:** Generation



### GRACE CHANG

**Position:** Trading and  
Revenue Supervisor  
**Length of service:** 3 years

*Typical day / week:* Manage the daily trading and electricity sales revenue. Participate in the development of the NT Wholesale Electricity Market. Develop wholesale pricing, as well as trading in Renewable Energy Certificates.

*Qualifications / skills:* Bachelor degree in Economics and double Masters in Economics and Business Administration.

*Advice for students:* Willingness to learn new things and be prepared to do basic work as building up a strong foundation can help your career. Don't be afraid to ask questions, if you don't ask, you'll never know the answers!

*What I enjoy about working at TGen:* It's a dynamic environment with a strong leadership team.

*Career pathway:* Economist Analyst, Supervisor Business Analysis and Supervisor Pricing, Project Manager Wholesale Pricing

**Sectors:** Economics, Generation



### KEVIN EDWIN

**Position:** Project Manager  
**Length of service:** 11 years

*Typical day / week:* Planning, constructing and delivering projects, including engineering, electrical, mechanical and IT. This means building new things or fixing old plant. There's never a dull moment and the same things are never repeated.

*Qualifications / skills:* Studied in the field of Engineering (Mechanical).

*Advice for students:* As technology becomes more involved in the jobs we do, it is important to keep up with new developments – read extensively on new developments in science and engineering.

*What I enjoy about working at TGen:* The variety! Both in engineering and the people you get to meet.

*Career pathway:* Worked at a few places including a petro-chemical plant, managed building services at a large commercial building, worked at another power station.

**Sectors:** Building Services, Generation



### KANE PLUMMER

**Position:** 1st Year Electrical  
Fitter (Apprentice)  
**Length of service:** 3 Months

*Typical day / week:* I would usually assist my supervisors in any Low Voltage work on a day to day basis.

*Qualifications / skills:* LV Training, AA Training, Driver's License, High Risk License, White Card and a Restricted Electrical License (Red Card)

*Advice for students:* Stay in school, work hard and listen to your teachers

*What I enjoy about working at TGen:* Their values Focus, Integrity, Respect, Safety and Teamwork

*Career pathway:* Finish my apprenticeship and get my A grade Electrical licence

**Sectors:** Generation



### REBECCA MILLS

**Position:** A/GM New Energy  
& Sustainability  
**Length of Service:** 6.5 years

*Typical day / week:* Review new and emerging energy technologies; co-ordination between contractors and consultants, with lots of travel as I am responsible for the capital projects in Alice Springs and Tennant Creek. As a member of the executive leadership team I'm involved in decision-making processes.

*Qualifications / skills:* Bachelor degrees in Aerospace Engineering and Economics.

*Advice for students:* Think about what you enjoy and build upon it, never be afraid to ask questions or try new things, as you never know where a particular path may lead you.

*What I enjoy about working at TGen:* There is a great energy at TGen to grow the business for a sustainable future, plus good teamwork and respect for each other.

*Career pathway:* Part-time work in an outdoor retail store, Under-graduate Power Water, Graduate Engineer, Strategic Planning Engineer, Commercial Manager, Wholesale Markets Manager.

**Sectors:** Retail, Generation



### ISAAC RICHARDS

**Position:** Asset Engineer  
**Length of service:** 2 years

*Typical day / week:* Negotiating contract terms with major suppliers, assisting in the troubleshooting process for faulty equipment, or writing up a business case to replace or upgrade plant.

*Qualifications / skills:* Engineering Degree

*Advice for students:* Strong written and verbal communication skills are essential, as well as a willingness to ask questions and get involved. Ability to work under pressure is also important.

*What I enjoy about working at TGen:* Working in an area with a small grid presents unique challenges; there are many constraints and situations can change very quickly. There are a wide variety of problems to solve and every day is different.

*Career pathway:* This is my first job since I finished my studies, but I aim to stay in power generation.

**Sectors:** Generation