



# Position Description

<b>Position title:</b>	System Operations Engineer
<b>Reports to:</b>	Network Access Manager
<b>Business unit:</b>	Network Services
<b>Employment category:</b>	[Contract (Employment Agreement) / Enterprise Agreement and pay point]

## About CitiPower and Powercor

As electricity distribution companies we provide safe, reliable and affordable power to 1.9 million Victorian customers. We use our network of poles, wires and infrastructure to bring power to homes and businesses across almost 65% of Victoria — that’s more than 120,000 kilometres of wires and 850,000 poles.

But we do so much more than manage poles and wires. We’re also the gateway to a clean energy future, dedicated to finding solutions and harnessing new technology to benefit our customers, communities and the environment. This includes industry leading projects in community batteries, demand management, smart charging for electric vehicles (EVs) and microgrids.

And as more customers choose solar, batteries, EVs and smart appliances — the electricity system is becoming increasingly complex, and so too is the level of innovation required to manage it.

## About the Network Services team you’ll be part of

Network Services is a 24x7 operation, constructing and maintaining electrical infrastructure and responding to faults and emergencies throughout the CitiPower and Powercor electricity distribution networks. The team is responsible for design, project management, workforce management, field construction and supply chain and logistics management. Functional teams include network control and operations, major projects, maintenance, field services, design and customer programs and works delivery management.

## Our core values



Live safely



Improve our business



Be customer and community minded



Be the best you can be



Succeed together

## Purpose of the position

The role provides engineering and operational planning support to ensure the safe, secure and reliable operation of the distribution and transmission networks. The role supports network operations through providing engineering advice, managing engineering standards and processes, and supporting operational engineering systems.

The role manages processes for contingency planning and network risk response. In addition, the role will provide tactical engineering advice to operational teams to support response and maintain secure network operations

The role provides engineering support for network access management and temporary generator fleet management. The role supports complex outage planning for transmission and distribution networks, including generator deployment.

The role supports continuous improvement in operational management of electricity networks through, conducting engineering analysis, identifying and advocating for improvements in systems and processes.

The role liaises with teams across Control & Operations and Engineering teams across the wider Electricity Networks and Network Services business units.

## Your key responsibilities

### Operational planning and contingency management

- Conduct engineering studies and provide engineering advice for operational planning associated with planned and unplanned network events.
- Manage contingency planning processes to produce plans for transmission, sub-transmission and distribution network assets.
- Develop, maintain and manage network security process including load shedding and minimum system load management.
- Provide tactical engineering advice to network operations teams to support secure network operation during contingency events.
- Assist in prioritising high-risk fault follow-ups and developing mitigation strategies.
- Liaise with internal and external stakeholders to support operational planning and response.
- Recommend operational solutions including network reconfiguration, temporary generation or revised switching arrangements.

### Summer preparedness and extreme weather readiness

- Manage the development and implementation of summer preparedness plans to manage network performance during extreme temperature conditions.
- Monitor forecast demand, network loading and operational risk during high temperature events.
- Coordinate operational readiness activities with network operations and field operations ahead of forecast extreme weather events.
- Support post-event operational reviews and identify improvements to preparedness and response arrangements.

## Temporary generation and plant management

- Provide engineering support and project management for the planning, deployment and operation of temporary generation and other plant, to maintain supply during network constraints, planned outages and emergency events.
- Provide engineering support for the management of the temporary generator fleet, and other temporary plant. Ensuring they are fit for purpose and in a serviceable condition.
- Support strategic resilience planning for the business through liaising with internal stakeholders and supporting training.

## Network planning and project interface

- Provide operational planning input into major network projects and capital works programs.
- Support project scoping to ensure operational requirements and system security considerations are incorporated.
- Support major planned outage and commissioning planning associated with projects and identify strategies to minimise operational risk.

## Network performance and continuous improvement

- Analyse major network events and prepare technical reports identifying root causes and operational improvements.
- Analyse network performance, including supervisory control and data acquisition (SCADA) information and network data, under steady state and dynamic conditions to identify operational constraints and improvement opportunities. This may include assessing capacity, voltage, fault levels, SCADA events, alarms and protection operations.
- Support the continuous improvement of network operations contingency planning, operational processes and system security practices.
- Identify and lead continuous improvement initiative and projects for engineering operational systems.
- Contribute to knowledge sharing and capability development across operational and engineering teams. Including providing mentoring and technical support to graduate engineers and early career staff.
- Represent the business at relevant industry and technical forums where required.

# What you'll bring to the business

## Education / Qualifications:

- Bachelor of Engineering (Electrical)

## Knowledge:

- A detailed knowledge of the distribution system, its components, and design, construction, operation and protection requirements
- A detailed knowledge of system analysis, load forecasting and planning skills
- A broad understanding of network design, construction, operation and protection
- Knowledge of project management techniques
- Broad knowledge of the Green Book, Blue Book and Operational Procedures.
- Working knowledge of Australian Industry standards and practices relating to network operations
- Working knowledge of temporary generator operations

## Experience:

- Engineering experience in electricity network related functionality e.g. network planning engineering, protection and control engineering, design engineering, project management, field engineering

# The skills and competencies you'll have

## 'Thought' competencies

1. Balances stakeholders: Anticipating and balancing the needs of multiple stakeholders
2. Manages complexity: Making sense of complex, high quantity, and sometimes contradictory information to effectively solve problems
3. Customer focus: Building strong customer relationships and delivering customer-centric solutions

## 'Result' competencies

1. Optimises work processes: Knowing the most effective and efficient processes to get things done, with a focus on continuous improvement
2. Plans and aligns: Planning and prioritising work to meet commitments aligned with organisational goals
3. Resourcefulness: Securing and deploying resources effectively and efficiently

## 'People' competencies

1. Builds networks: Effectively building formal and informal relationship networks inside and outside the organisation
2. Communicates effectively: Developing and delivering multi-mode communications that convey a clear understanding of the unique needs of different audiences
3. Collaborates: Building partnerships and working collaboratively with others to meet shared objectives

## 'Self' competencies

1. Manages ambiguity: Operating effectively, even when things are not certain or the way forward is not clear
2. Situational adaptability: Adapting approach and demeanour in real time to match the shifting demands of different situations
3. Self-development: Actively seeking new ways to grow and be challenged using both formal and informal development channels

## Other relevant information

- A pre-employment medical / physical assessment may be required
- Availability duty may be required
- Travel to other work locations / sites may be required