



# Position Description

<b>Position title:</b>	Substation Design Engineer – Primary Design
<b>Reports to:</b>	Team Leader – Primary and Civil/Structural Design
<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 at all hours 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 Primary Design Engineer plays a critical role in providing specialised engineering expertise, particularly in the design of substations, terminal stations, and other station projects. This includes contributing to project scoping, cost estimation, and technical evaluation to ensure robust and efficient design solutions, serving both internal and external Network Services clients.

Working collaboratively within a multidisciplinary team, the Primary Design Engineer is accountable for delivering high-quality, cost-effective, and timely design services. Success in this role is driven by a commitment to innovative thinking, adherence to sound engineering principles, and a proactive yet pragmatic approach to delivering professional customer service excellence.

## Your key responsibilities

### Engineering and Design Services

- Provide effective engineering design and advice in relation to the primary design elements for areas such as but not limited to electrical substation designs up to **220 kV**, earthing, lighting and cable design, to agreed standards, and in accordance with the relevant technical manuals, OH&S Act, 'Safety in Design' guidelines and customer requirements
- Collaborate with other design groups to effectively deliver design to scope, timeframes and cost
- Verify designs produced by others for applicability, as well as manufacturer supplied drawings, in accordance with agreed standards, 'Safety in Design' guidelines and company requirements
- Assist with the development of design standards & policies in accordance with organisational, regulatory and statutory requirements
- Undertake non-prescribed engineering work

### Innovation & Continuous Improvement

- Actively support and implement new or modified processes and systems
- Apply learning from previous project/activities to future projects
- Identify innovative or improvements which contributes to the benefit of the team

### Functional and Technical

- Execute and/or assist in the delivery of assigned projects
- Perform design calculations, analysis and prepare reports
- Assist in field investigations, as required
- Ensure design works are compliance with internal and external standards

# What you'll bring to the business

## Education / Qualifications:

- Bachelor of Engineering (Electrical)
- Eligible and working towards one of the following (or already registered):
  - National Engineering Registration (NER)
  - Registered Professional Engineer of Professional Australia (RPEng)
- Eligible and working towards being registered with the Business Licensing Authority (BLA)
- Registered Professional Engineer of Queensland (RPEQ) is advantageous
- Registered Professional Engineer of Victoria (RPEV) is advantageous

## Knowledge:

- Detailed knowledge of principles and concepts associated with the design of distribution, and sub transmission substations in accordance with AS 2067
- Understanding of typical distribution and substation plant and equipment
- Knowledge of AutoCAD design (or equivalent), electrical networks, operation, and construction plan
- Knowledge of other electrical design software such as CYMCAP, CDEGS would be advantageous.
- Understanding of Safety in Design practices
- Effective communication skills

## Experience:

- Demonstrated experience in the electrical/power industry
- Experience working on large and/or complex substation design
- Experience in the transmission/terminal station space is highly desirable
- Preferably 4 years of experience in the power industry

# The skills and competencies you'll have

## 'Thought' competencies

1. Customer focus: Building strong customer relationships and delivering customer-centric solutions
2. Financial/commercial acumen: Applying financial thinking, commercial rigour and discipline to all business decisions and customer relationships to identify ways of maximising and protecting our business value
3. Manages complexity: Making sense of complex, high quantity, and sometimes contradictory information to effectively solve problems

## 'Result' competencies

1. Action oriented: Taking on new opportunities and tough challenges with a sense of urgency, high energy, and enthusiasm
2. Ensures accountability: Holding self and others accountable to meet commitments
3. Plans and aligns: Planning and prioritising work to meet commitments aligned with organisational goals

## 'People' competencies

1. Collaborates: Building partnerships and working collaboratively with others to meet shared objectives
2. Communicates effectively: Developing and delivering multi-mode communications that convey a clear understanding of the unique needs of different audiences
3. Persuades: Using compelling arguments to gain the support and commitment of others

## 'Self' competencies

1. Demonstrates self-awareness: Using a combination of feedback and reflection to gain productive insight into personal strengths and weaknesses
2. Self-development: Actively seeking new ways to grow and be challenged using both formal and informal development channels
3. Being resilient: Rebounding from setbacks and adversity when facing difficult situations

## Other relevant information

- A pre-employment medical / physical assessment may be required
- Travel to other work locations / sites may be required
- Direct reports - Nil
- Budget: OPEX Nil, CAPEX Nil