Position Description

Position title:	Senior Substation Design Engineer – Primary
Reports to:	Team Leader – Primary and Civil Design
Business unit:	Network Services
Employment category:	[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

Purpose of the position

This role is primarily responsible for the provision of engineering expertise and leadership, as well as scoping, design, and estimation regarding substation designs for internal and external Network Services clients.

The position is also responsible for the technical development and leadership of the Primary Design team and implementation of appropriate policies and procedures regarding distribution, sub-transmission, and transmission assets.

The performance of this role contributes to the successful completion of projects to meet specific target dates, and the achievement of positive financial results for Network Services.

Your key responsibilities

Engineering and Design Services

- Provide effective specialist engineering design and advice in relation to the design of zone substations, industrial substations and distributed generation network connections to a variety of standards, and in accordance with the relevant technical manuals, OH&S Act, 'Safety in Design' guidelines and customer requirements.
- Review and continuously improve processes and systems to ensure high productivity, efficiency and quality outcomes, after considering all the relevant safety, technical, commercial, and environmental factors.
- Ensure all designs consider 'whole of asset lifecycle' as part of the design process
- Take ownership and liaise with internal and external stakeholders to produce formal responses and reports.
- Monitors, review and approve engineering solutions and proposals by others, as well as manufacturer supplied drawings, in accordance with agreed standards.
- Undertake non-prescribed engineering work, inclusive of supervision and approval

Innovation & Continuous Improvement

- Assist, develop and implement new technologies and innovative design practices and standards to meet business needs by applying technical expertise and experience.
- Highly proficient in risk management and generates cost savings through innovation.
- Learns quickly when facing new situations and communicates unsuccessful and successful activities/projects to others for future projects.
- Through understanding the market, customers' and competitors, develop ideas and initiatives to enhance the capabilities of the design team and the company's competitive position.

Technical Mentoring and Development

- Defines complex issues with ambiguous information, provide technical expertise and mentoring to design personnel and stimulates critical thinking to solve complex problems.
- Synthesizes various considerations to makes tough decisions, striking a balance with trade-offs and pushing for better solutions to move forward.

- Ability to develop technical based policies and procedures relating to design, and implement change as required.
- Assess NS capabilities and identify opportunities, as well as actively engaging with the Design Leadership team to develop a collaborative and agile mindset and support peers.

What you'll bring to the business

Education / Qualifications:

- Bachelor of Engineering (Electrical)
- Professional Engineer who is registered with the Business Licensing Authority (BLA)
- Chartered Engineer (CPEng) or National Engineering Registration (NER)
- Registered Professional Engineer of Victoria (RPEV)

Knowledge:

- Design within AutoCAD and other digital tools to deliver solutions for complex problems or large projects whilst applying engineering principles to create better outcomes that meet Network Services, its clients, and applicable statutory and regulatory requirements.
- Expert design and compliance knowledge of substation design up to 500kV (preferable) in the electrical distribution and transmission networks in accordance with relevant customer and Australian Standards.
- Strong competency in preparing detailed design scopes, estimates and design schedules.
- Ability to prepare specifications and assist in tender evaluations.
- Attention to detail and ability to meet deadlines.
- Confidence in conducting electrical design studies such as but not limited to cable, lighting, short circuit force, insulation co-ordination.
- Detailed knowledge & understanding of regulatory requirements, OH&S Act, 'Safety in Design' guidelines, standards and codes.
- Expert knowledge of the design process, and the design activities undertaken within substation design.
- Excellent communication and able to co-ordinate design team members, both internal and external resources.
- Strong understanding of best practice in innovation and value improvement for the adoption of new technologies.

Experience:

- Extensive design experience in the electrical utility industry.
- Ability to lead and support project design teams.
- Preferably 10 years power industry experience with a minimum of 2 years as a technical leader.

Leadership Experience:

- Demonstrated technical leadership skills in the following;
- Mentorship and training of other Engineers
- Initiating and adoption of new technologies
- Creation and the implementation of design standards

The skills and competencies you'll have

'Thought' competencies

1. Customer focus: Building strong customer relationships and delivering customer-centric solutions
2. Manages complexity: Making sense of complex, high quantity, and sometimes contradictory information to effectively solve problems

'Result' competencies

1. Ensures accountability: Holding self and others accountable to meet commitments
2. Directs work: Providing direction, delegating, and removing obstacles to get work done
3. Optimises work processes: Knowing the most effective and efficient processes to get things done, with a focus on continuous improvement

'People' competencies

1. Communicates effectively: Developing and delivering multi-mode communications that convey a clear understanding of the unique needs of different audiences
2. 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

Other relevant information

- Direct reports - FTE direct reports: 0
- Budget: OPEX: $ 0, CAPEX: $ 0