

Position Description

Position title:	Principal Lines Engineer
Reports to:	Manager Engineering and Major Projects
Business unit:	Network Services
Employment category:	Contract (Employment Agreement)

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 Principal Lines Engineer plays a key role in delivering high-quality engineering solutions across the overhead transmission and distribution sector, with exposure to generation and industrial high-voltage (HV) projects.

This role is responsible for leading the design and delivery of transmission [and sub-transmission](#) line projects, ensuring technical excellence, compliance with industry standards, and alignment with project objectives. It involves contributing across the full project lifecycle, including concept development, detailed design, and support through to construction and commissioning.

The position requires the application of advanced technical expertise combined with strong project leadership to drive efficient, innovative, and commercially sound outcomes. It also includes mentoring junior engineers, supporting capability development within the team, and contributing to a culture of continuous improvement, collaboration, and technical leadership.

Your key responsibilities

Engineering and Design Services

- Deliver innovative solutions across the overhead transmission and distribution sector, with exposure to generation and industrial HV projects
- Lead and manage overhead transmission [and sub-transmission](#) line design projects, applying strong technical expertise, engineering judgement, and project leadership to deliver compliant, high-quality outcomes that meet client and regulatory requirements.
- Apply in-depth knowledge of Australian and international standards for overhead line design, construction, testing, and commissioning
- Utilise PLS-CADD (including TOWER and POLE modules) to deliver efficient and compliant designs
- Understand and contribute across the full asset lifecycle—from planning and design through to construction, testing/commissioning, operation, and maintenance
- Provide specialist engineering input into project estimation, scheduling, value improvement, risk, safety and constructability workshops
- Collaborate with multidisciplinary teams to deliver innovative and sustainable solutions
- Conduct technical reviews and provide expert advice on upgrades, improvements, and safety-focused innovations
- Ensure all work adheres to Safety, Health, Environment, and Quality (SHEQ) standards

Innovation & Continuous Improvement

- Provide technical advice and contribute to innovative, sustainable engineering solutions that support network upgrades, continuous improvement, safety, and operational excellence.
- Drive continuous improvement through design optimisation and application of best practices
- Maintain a client-focused, solution-oriented mindset with commercial awareness

- Be across business and industry technology advances and trends and their application to overhead transmission projects
- Support the development of internal tools and processes in the delivery of overhead transmission projects

Technical Mentoring and Development

- Build and maintain overhead transmission line engineering capabilities within the team, including identifying and addressing skill gaps
- Provide mentorship, technical guidance, and support to junior engineers, fostering technical excellence, collaboration, and a high-performing team environment.
- Build strong collaboration across multidisciplinary teams and stakeholders
- Demonstrate strong communication skills to influence and guide project outcomes
- Be a subject matter expert within the business for all aspects of overhead transmission line engineering

What you'll bring to the business

Education / Qualifications:

- Relevant degree qualification in Mechanical, Electrical, Civil, or Structural Engineering.
- Chartered Professional Engineer (CPEng) status, or the ability to obtain.
- Registered Professional Engineer of Victoria (RPEV) and/or registration with the Victorian Business Licensing Authority (BLA) as required.
- Ability to obtain professional engineering registration in other Australian states and territories, including Registered Professional Engineer of Queensland (RPEQ), as required.

Knowledge:

- Expert knowledge in the design and construction of overhead sub-transmission and transmission electrical networks in accordance with Australian and International Standards
- Detailed understanding of regulatory requirements, OH&S Act, 'Safety in Design' guidelines, standards and codes applicable to electricity networks
- Familiarity with common industry software tools including PLS-CADD, Autodesk AutoCAD, Neara and CDEGS in the design process
- Understanding of geotechnical, environmental, earthing, lightning, noise and EMF study requirements to support transmission [and sub-transmission](#) line design
- In depth knowledge of integration requirements with other disciplines including distribution line, underground transmission, communications and zone/terminal sub-station design elements
- Extensive understanding of safety considerations in transmission line design and construction including assessment and management of electrical hazards such as low frequency induction and earth potential rise

Experience:

- Extensive sub-transmission and transmission overhead line design experience, including in congested urban environments
- Collaboration with project delivery and construction teams in successful transmission line project delivery
- Technical leadership and development of project design and delivery teams
- Development of internal standards, processes and procedures in transmission overhead line design
- Undertaking technical negotiation with external stakeholders impacted by transmission projects including third party utilities and local/state government authorities
- Preferably 15 years power industry experience with a minimum of 5 years as a technical leader

Leadership:

- Demonstrated technical leadership skills in the following;
 - Mentorship and training of other Engineers
 - Technical capacity building
 - Initiating and adoption of new technologies
 - Creation and the implementation of design standards and procedures
 - Supporting group leadership with expert technical advice

The skills and competencies you'll have

'Thought' competencies

1. Cultivates innovation: Creating new and better ways for the organisation to be successful
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. Action oriented: Taking on new opportunities and tough challenges with a sense of urgency, high energy, and enthusiasm
2. Optimises work processes: Knowing the most effective and efficient processes to get things done, with a focus on continuous improvement
3. Plans and aligns: Planning and prioritising work to meet commitments aligned with organisational goals

'People' competencies

1. Builds networks: Effectively building formal and informal relationship networks inside and outside the organisation
2. Drives engagement: Creating a climate where people are motivated to do their best to help the organisation achieve its objectives
3. Organisational savvy: Manoeuvring comfortably through complex policy, process, and people-related organisational dynamics

'Self' competencies

1. Manages ambiguity: Operating effectively, even when things are not certain or the way forward is not clear
2. Courage: Stepping up to address difficult issues, saying what needs to be said
3. Being resilient: Rebounding from setbacks and adversity when facing difficult situations

'Leadership' competencies

1. Manage self: Willing and able to assess and apply own skills, abilities and experience. Being aware of own behaviour and how it impacts on others.
2. Take the lead: Taking the lead and pushing for performance. Take charge, declaring, decisive. Push, hold people accountable.
3. Enable others: Creates conditions for others to lead and contribute. Empowers others. Listens, open to influence. Supports, treats people well.
4. Strategic focus: Position your team for the future. Set direction, drive improvements and growth, embrace innovation.
5. Execution and results: Position your team for the future. Set direction, drive improvements and growth.

Other relevant information

- A pre-employment medical / physical assessment may be required
- Availability duty will be required
- Travel to other work locations / sites may be required
- Direct reports - FTE direct reports: nil Contractor direct reports: nil
- Budget: OPEX nil, CAPEX nil