

MANAGEMENT OPPORTUNITY
Principal Engineer, Protection, Automation & Control

SALARY: \$140,000 - \$191,000

Location: Regina, Saskatchewan

JOB SUMMARY:

The Principal Engineer, Protection, Automation & Control is accountable to provide strategic leadership for key planning initiatives. Responsible for working in coordination with multiple parties performing required system impact study analysis for a variety of complex power system projects while ensuring continuing regulatory NERC standard compliance. Responsible for leading independent power system analysis as required to identify potential system constraints, propose facility upgrades and verify system performance of the recommended protection, automation, and control solutions.

KEY ACCOUNTABILITIES:

- Provides technical leadership, including formal management of personnel, performing independent power system analysis as required, including short circuit calculation, power flow study and stability study to identify potential system constraints, propose system upgrade alternatives and verify system performance of the recommended solutions.
- Performs protection, automation & control transmission planning tasks associated with technical assessment reports to demonstrate SaskPower's compliance to regulatory standards and recommend the corrective action plans.
- Prepares technical functional specifications for system upgrade capital project authorizations based on risk and economic analysis of alternate project business cases solutions with recommendations on a course of action.
- Prepares technical design criteria specification reports for protection, automation and control system configuration and settings applied within capital projects.
- Develop planning criteria, guidelines, standards, and new practices based upon codes, technologies, and methodologies which provide direction to design engineering departments, consultants, and external agencies.
- Participation in technical working groups, and committees to provide technical leadership at the organizational, provincial, and national representative levels.
- Other related duties as assigned.

KNOWLEDGE/SKILLS/ABILITIES:

- Power System Protection Engineer with expertise in a power utility transmission system.
- Electrical Engineering Degree with preference for advanced degrees (PhD, MSc).
- Membership eligibility in Association of Professional Engineers of Saskatchewan (APEGS)
- Professional Engineering Designation (P.Eng.) with a subsequent minimum of ten (10) years working experience in electrical power system studies, short-circuit calculations, and transient analysis using simulation tools such as PSS/E, CAPE, or other programs.
- Knowledge of protection equipment automated transient testing methodologies.
- Ability to provide competent leadership with strong interpersonal communication, technical writing, and organization skills within a working team environment.
- Result oriented thinker, with the ability to manage and provide advise regarding complex and confidential business issues with sensitivity and professionalism.
- Demonstrated skills in SaskPower competencies with ability to foster the corporate culture in a changing environment focused on safety, innovation, and teamwork.
- Must have a continuing record of professional development.

A suitable combination of relevant education and experience may also be considered

Please submit your application to [SaskPower](#) for consideration by March 30, 2023.