

Careers at the AESO

As an independent system operator, the AESO leads the safe, reliable and economic planning and operation of Alberta's interconnected power system. The AESO also facilitates Alberta's fair, efficient and openly competitive wholesale electricity market, which in 2010 had about 175 participants and approximately \$5 billion in annual energy transactions.

Power System Studies Engineer – Technical Resource Team

Position Summary

The role and responsibilities require knowledge on short term power system operation planning (6 months to 2 years) and longer term transmission planning (5 to 7 years).

The person will be accountable for scoping, performing and reviewing power system technical studies to ensure system reliability. Accountabilities include ensuring that adequate studies are performed and completed to define the technical component of system development requirements.

Accountabilities and Responsibilities

- Proven ability to work in a team environment and collaboration with various stakeholders to successfully implement the technical recommendations.
- Proven analytical ability to scope engineering work, assessment of the results, trouble shooting and concluding the work.
- Proven skills in verbal and written communications through presentations, study reports and constructive working relationship with various stakeholders.
- Ability to independently perform various power system studies including voltage stability, transient stability, short circuit fault calculations and other necessary studies and assessments.
- Identify acceptable Remedial Action Schemes to enable reliable system operation until adequate development is installed.
- Ensure adequacy of the system models used to perform studies and consistency with the operational limits and recommendations.
- Provide mentoring and training to other team members on technical studies and enhancing the overall team knowledge.
- Prepare the engineering study report for system development requirement

Education

- Bachelor degree in Electrical Engineering; postgraduate degree in the domain of power system operations is an asset.

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Knowledge, Skills, Abilities and Experience Required

- Well developed verbal and written communication skills; this position is ideally suited to an individual who has demonstrated the ability to build strong relationships with various stakeholders involved that can be leverage into accomplishing successful results.
- Registered Professional Engineer with minimum 5 to 10 years experience in power systems operations and planning.
- Experience in working in teams and proven skills in providing customer support and resolving conflicts.
- Experience in leading technical studies and projects is an asset.

If you are interested in the above position, please email your resume in confidence to careers@aeso.ca in order to be considered.

The AESO is unable to accept unsolicited agency resumes. Any resumes submitted become the sole property of the Alberta Electric System Operator.

The AESO would like to thank all applicants for their interest; however, only those candidates selected for interviews will be contacted.

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