

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 2009 had about 200 participants and approximately \$5 billion in annual energy transactions.

Position Title: ENGINEER – OPERATIONS COORDINATION

Position Summary:

Reporting to the Manager - Operations Coordination, the Operations Coordination Engineer will contribute to the reliable operation of the Alberta Integrated Electric System by coordinating the activities of numerous industry participants, undertaking analytic studies, producing various operational reports, and maintaining power system models and analytic applications.

Accountabilities and Responsibilities:

- Create operational plans for the AESO System Controller based on powerflow, dynamic stability and voltage stability studies.
- Perform operational studies and provide guidance to support the AESO System Controller during unplanned system events.
- Provide on-call after-hours operations engineering support to the AESO System Controller.
- Conduct system studies to support transmission system development projects.
- Conduct assessments of supply adequacy from an operational perspective.
- Develop and maintain operational power system models and analytic applications.
- Participate in the development and implementation of operating policies.
- Develop enhancements to operations scheduling processes and tools.
- Collaborate with AESO and external peers to exchange, analyze and interpret system information.
- Produce operational reports for internal and external agencies.

Education:

- Bachelor degree in Electrical Engineering.
- Registered with APEGGA as a Professional Engineer or immediate eligibility to register.
- NERC certification (bonus)

Knowledge, Skills Abilities and Experience Required:

- Two years (minimum) of system analysis experience in either operational or planning domains.
- Exposure to power system operational concerns.
- Extensive experience regarding power system analysis principles and use of analytic tools (e.g. PSS/E).
- Demonstrated excellent spoken and written communication skills, and the ability to interact with a wide variety of industry participants.

aeso

ALBERTA
ELECTRIC
SYSTEM
OPERATOR



Careers@AESO

If you are interested in the above position, please email your resume in confidence to careers@aeso.ca by July 23, 2010 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.

The Alberta Electric System Operator, and its members, officers, employees and agents (collectively, the "AESO") is committed to protecting personal information provided to it. By submitting your personal information to the AESO for the purpose of pursuing employment with the AESO, you hereby consent to the collection, use and disclosure of your personal information by the AESO, in accordance with the provisions of the *Personal Information Protection Act* of Alberta, as amended from time to time.

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