

Transmission Function Employee List

Executive Director, System Operations

The Director, Energy Control Center is accountable for planning, organizing, directing and controlling the functions, systems and resources essential for the safe, reliable and efficient operation of the NB Power transmission and distribution Electric Systems in New Brunswick. Responsibility also includes the operation of a safe, secure and reliable integrated power system in the Reliability Coordinator footprint of the Maritimes Area. Activities associated with these roles must be in compliance with applicable North American reliability standards (NPCC, NERC), the Open Access Transmission Tariff, New Brunswick Electricity Business Rules and NB Power Operating Policies, Practices and Procedures.

Director, Control Room Operations

Accountable for all Transmission Control Room, Distribution Control Room, and the Telecommunication Network Operating Centre activities.

Director, Grid Operations and Planning

Accountable for Operations Engineering (Studies, SCADA, and DER), Transmission System Planning and Outage Coordination.

Document & Compliance Coordinator

Responsible for the development and management of documentation required to ensure New Brunswick Power System Operator (NBP-SO) compliance to Energy and Utilities Board (EUB) enforced reliability standards in New Brunswick.

ECC Systems Specialist / IT Specialist Lead

Similar responsibilities to that of the IT Professional, but in a technical and/or managerial lead capacity. Responsible for project oversight and provides technical direction to other IT professionals.

Energy Control Centre Specialist

Responsible for supporting control room operations to operate the IES reliably and effectively, while complying with NERC and NPCC guidelines. This includes outage coordination, documentation, compliance, training and transmission provider services.

Energy Coordinator

The Energy Coordinator is accountable for the reliable operation of the New Brunswick integrated power system and for the reliability of all Bulk Power Systems elements in the Reliability Coordinator footprint. The Energy Coordinator is also accountable for the optimum utilization of energy and capacity resources within the NB balancing area to meet the electrical energy demands of the SO controlled grid. The ENCO has functional authority over all personnel with respect to the operation of Generators and Transmission apparatus and is designated as the Reliability Coordinator Operator on shift who has the final authority for decisions affecting the reliability of the Bulk Electrical System.

IT Professional, System Operator

Responsible for carrying out the objectives of the System Operator's IT Services department. Tasks include software design, development, testing and deployment as well as system administration, maintenance, and support.

Load Forecaster/Tariff Administrator

Responsible to develop load forecasts that are an efficient utilization of resources critical to determining generation required to meet load and Interconnection sales. Interface with Transmission Customers on matters relating to interpretation of the Open Access Transmission Tariff.

Manager, Open Access Transmission Tariff and Resource Adequacy

Provides expertise, guidance, and oversight in all aspects of the Open Access Transmission Tariff (OATT) and Power System Resource Adequacy. Also responsible for the OATT terms and conditions updates as new and emerging technology is developed and implemented into the NB Power electric system and to ensure proper allocation of the transmission OATT revenue requirements. This position has the managerial responsibility for the employees who specialize in tariff administration, load forecasting and settlement.

Manager, Transmission/Distribution Control Rooms and Operations

The Manager, Transmission/Distribution Control Room and Operations is responsible for the leadership and management of the Operating Control Rooms for the distribution system and the transmission integrated power system in the Reliability Coordinator footprint. Major responsibilities include planning, organizing and directing the real-time operational activities of the control rooms, overseeing the human and technical resources responsible for the operation of a safe, secure and reliable system and to ensure safety and protection of personnel and equipment within the distribution and the transmission system. The Manager, Transmission/Distribution Control Room and Operations is also accountable for training, operating practices, settlement, load forecasting, tariff administration, compliance, distribution connectivity model and documentation.

Operations Engineers, ECC

Operations Engineers conduct technical studies and assessments of planned generation outages, transmission outages, and possible contingencies, resulting in short term operating procedures to maintain safe and reliable operation of the interconnected electricity system in compliance with mandatory standards.

Operations & Settlement Specialist

Responsible for the ongoing performance of the settlement processes and for the detailed analysis of the System Operator's operations and settlement functions. These responsibilities generally include: execution of the settlement processes; facilitation of the Ancillary Services process which includes contract administration, procurement and settlement; preparation of budgets; and support of regulatory processes.

Planning Coordinator - Transmission Outage Planning

The Planning Coordinator - Transmission Outage Planning ensures reliability is maintained by planning, coordinating, scheduling and approving transmission outages within the NB Power Reliability Coordinator footprint, while complying with NERC and NPCC guidelines, common operating agreements with adjacent utilities as well as the New Brunswick Electricity Business Rules, internal business practices and procedures (system operating instructions, emergency operating instructions, system operating procedures).

Planning Engineers, ECC

Planning Engineers provide SCADA support for changes/updates to system models and tools, drawings, and operator training. They are also responsible for conducting studies of interconnection transfer capabilities within the operations horizon, and annual NPCC/NERC resource adequacy studies.

Power System Operator

The Power System Operator/Reliability Coordinator Operator (PSORCO) is accountable for the reliable operation of the integrated power system in the Reliability Coordinator footprint and for ensuring the safety and protection of personnel and equipment within the SO controlled grid. The PSO/RCO has functional authority over all personnel of Transmitters and Generators with respect to the operation of any Transmitter apparatus.

Power System Operator - Transmission Outage Planning

The Power System Operator - Transmission Outage Planning ensures reliability is maintained by planning, coordinating, scheduling and approving transmission outages within the NB Power Reliability Coordinator footprint, while complying with NERC and NPCC guidelines, common operating agreements with adjacent utilities as well as the New Brunswick Electricity Business Rules, internal business practices and procedures (system operating instructions, emergency operating instructions, system operating procedures).

Transmission Planning Engineers, Head Office

Transmission Planning Engineers perform System Impact Studies in accordance with the New Brunswick Power Open Access Transmission Tariff for new Transmission Service Requests. These studies may include load flow, short circuit, stability, loss evaluation, economic and other analyses as appropriate.

Senior Engineer - Engineering Services

The Senior Engineer- Engineering Services is responsible for supervising the Engineering Services group at the Energy Control Centre. Engineering Services provides real-time, daily, and after hours technical support to the ECC Control Room Operators, including operations engineering, planning engineering, and SCADA support. Page Break

Senior System Operator - Documentation/Compliance

The Senior System Operator, Documentation/Compliance is responsible for all documentation to ensure compliance with standards and criteria related to reliable transmission system operations. This position is also responsible to create and update System Operator documentation and to ensure compliance for audits and regulatory requirements and; to create and update training documents, policies, operating procedures and interconnection agreements to comply with Electricity Business Rules, Open Access Transmission Tariff, NERC Standards and NPCC criteria.

Senior System Operator – Field & SCADA

The Senior System Operator – FIELD & SCADA is accountable for representing the interests of the System Operator in the field by monitoring the commissioning of capital expansion and new projects and by verifying the accuracy of operating information presented to System Operators in order to ensure that the power system is constructed, installed and operated in a safe and reliable manner and in accordance with general rules and operating instructions. This position also ensures the integrity of the information on the transmission side of SCADA/EMS by standardizing data and its representation, providing complete and accurate databases and by delivering the information and training needs of Transmission operating personnel for SCADA/EMS in order to facilitate the safe, reliable and economic operation of the power system. This position also ensures all Transmission, Generation and Customer Service Operating personnel are provided with accurate and timely updates to the Transmission and Distribution Substation Diagram Manual.

Senior System Operator – Reliability Coordinator

The Senior System Operator – Reliability Coordinator is responsible and accountable for supervising other functional entities on the same shift, including the PSO, ENCO and Assistant PSO to ensure the effectiveness of "Real-Time" operating reliability. This position is also responsible for maintaining reliability in concert with the other Reliability Coordinators for the Interconnection as a whole. This position has the authority to direct other functional entities (including PSO & ENCO) to take certain actions to ensure the reliable operation of its RC Area.

Senior System Operator – Training

Responsible for planning, organizing and coordinating training activities and programs associated with ensuring all operations personnel responsible for the real-time operations of the interconnected Bulk Electric System (BES) are capable of performing their job tasks.

Smart Grid Integration Engineer

Responsible for providing specialized engineering support relating to emerging technology and its integration to new and existing systems at the Energy Control Centre.

Supervisor, Transmission Control Room and Operations

The Supervisor, Transmission Control Room and Operations is responsible for the overall effective performance of Transmission Control Room operations, including overseeing the human and technical resources responsible for the operation of a safe, secure and reliable integrated power system in the Reliability Coordinator footprint and to ensure the safety and protection of personnel and equipment within the SO-controlled grid. The Supervisor, Transmission Control Room and Operations is also responsible for settlement; load forecasting, tariff administration, compliance and resource adequacy.