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**TRANSMISSION FUNCTION
TITLES AND JOB DESCRIPTIONS**

EVP, Business Operations, Engineering & Process, has primary responsibility for the overall planning, operations and control of the transmission system.

SVP, Electric Process & Engineering, responsible for the execution and delivery of field-based maintenance, repair and construction programs; oversight of vegetation management and inspection programs; leadership of customer meter services and gas dispatch.

VP, Non-Complex Const & Maint Process, responsible for creation, delivery, management and governance of a fully integrated project management process which manages significant construction projects from “end to end” to cost and schedule and which supports operating to the highest standards of safety, health, environmental, security and quality.

VP, Control Centers Operations, responsible to operate and manage the transmission, electric distribution, sub transmission and gas networks safely and reliably by providing real time control, problem detection and correction, and managing the routine and emergency switching and control requirements of appropriate field based personnel in accordance with all regulatory and industry requirements.

VP, Maintenance & Construction Electric Operations (NE), responsible to manage day to day operational and construction activities and emergency response activities within a geographic boundary, managing resources to deliver a cost effective work operation while maintaining a safe, reliable network.

VP, Maintenance & Construction Electric Operations (NY), responsible to manage day to day operational and construction activities and emergency response activities within a geographic boundary, managing resources to deliver a cost effective work operation while maintaining a safe, reliable network.

NETWORK STRATEGY

SVP, Electric Process & Engineering, manages and designs US transmission and distribution assets critical to developing jurisdictional strategy, determining revenue requirements and delivering operational support.

VP, Electric Asset Mgmt, responsible for developing the strategies associated with the electric transmission and distribution assets, including the planning and performance analysis of the system. The responsibility includes development transmission and distribution project portfolio.

VP, Electric Systems Engineering, responsible for the technical aspects of engineering of the transmission, sub-transmission and distribution electrical systems; and to provide engineering, design and construction packages for all electric transmission, substation and distribution infrastructure improvements identified by Distribution Planning and as required to connect new customers.

VP, Gas Systems Engineering, responsible for developing the strategies associated with the gas transmission and distribution assets, including the planning and performance analysis of the system. The responsibility includes development transmission and distribution project portfolio and to provide engineering, design and work packages for transmission and distribution infrastructure.

Director, Network Strategy, responsible to communicate all Network Strategy portfolio plans with jurisdictional heads to understand local issues. Also provide communication support with the regulatory and public agencies.

Director, Transmission Planning (NY or NE), to provide overall leadership for Long-term Transmission Planning activities in our NY and NE Regions, and for development of policies and process specific to transmission planning. Transmission Planning collectively establishes and ensures the delivery of all transmission development plans, policies, and procedures for the optimized, safe and effective management of our transmission assets with respect to thermal (power flow), dynamic stability, voltage, and short circuit analyses over their whole lifecycle in New England and up-state New York. Asset management planning for the transmission infrastructure to optimize asset life.

Manager, Transmission Planning (NY or NE), direct the activities of the Transmission Planning group in assigned region. These activities include long-term transmission planning analyses to identify system needs for improvement and expansion and to develop strategies and capital projects required to optimize network capacity in line with customer needs and regulatory requirements.

Analyst, Transmission Planning (Associate to Principal), analyze data and activities to provide relevant and up to date information to support decision-making and the effective working of National Grid's transmission planning function. At the higher levels this role will also design and implement procedures and policies within their area of work to improve the working of National Grid.

Engineer, Transmission Planning (Associate to Principal), conduct analytical studies for transmission system expansion, interconnection of new generation, and load to the transmission system. These analytical studies typically consider power system thermal, voltage, and reactive behavior, as well as transient, dynamic, harmonic, and short circuit performance as they relate to system reliability, economics, and operating

flexibility. At the higher levels this role will also develop transmission planning specific procedures and policies, represent National Grid at Industry committees, and provide support for transmission asset need cases during siting and licensing hearings.

Director, Asset Management Transmission (NE or NY), plans and manages asset replacement to ensure the transmission system is adequate and effective in the supply of electricity. Develop policies, strategies and programs related to transmission line and transmission substation assets to optimize asset life.

Engineer, Asset Management Transmission, develops policies, strategies and programs to support Company objectives in an economic manner that optimizes the use of existing systems and minimizes environmental concerns.

Manager, Asset Management, Distribution & Sub-transmission, to review, evaluate and recommend asset strategies projects and long-term plans to enable National Grid to optimize the return on investment from the assets utilized on the electric delivery system including sub-transmission lines, substations and distribution feeders.

Engineer, Asset Management, Distribution & Sub-transmission, develop recommendations for required modifications and additions to sub-transmission and distribution facilities to meet forecasted capacity requirements and customer service quality expectations in accordance with current asset management strategies in an economic manner that optimizes the use of existing systems and minimizes environmental concerns. The position is integral to the development of the five year work plan and fifteen-year Strategic Asset Management Plan

Director, Substation Engineering and Design, provide Substation engineering and design services to the US transmission business that result in innovative, effective and efficient systems for National Grid.

Director, Electric Transmission Engineering, provide Transmission Line engineering and design services to the US transmission business that result in innovative, effective and efficient systems for National Grid.

Manager, Transmission Engineering, provide Transmission Line engineering and design services to the US transmission business that result in innovative, effective and efficient systems for National Grid.

Engineer, Transmission, provide technical expertise and support from an engineering perspective to ensure effective National Grid operations.

Designer, Transmission Engineering, perform specialist engineering design work in order to support the construction and successful completion of network/operational/LIPA projects as part of the wider National Grid portfolio.

Engineer, Transmission & Distribution Work Methods, provide electric operating procedures, and support the adherence to engineering design, standards and work methods for the Transmission and distribution construction groups.

Director, Project Development, long term project development to ensure adequate capacity to deliver gas in NY and NE 5 years to 25 years.

Director, Long Term Planning and Ops Engineering, Provides 0 – 5 year planning and project development to ensure adequate pressure at meter. Provides analysis and project development for reliability. Supports construction resources and day to day engineering requirements.

Manager, pressure and Regulation, provides planning, analysis and project development for gas regulations infrastructure.

Manager, Gas Transmission Engineering, provides strategic, technical and regulatory guidance for the safe operation of the Gas Transmission asset family. Insures compliance with Federal and State codes for the operation of these systems. Administers the Integrity Management Program (IMP), assessing and evaluating the condition of the Gas Transmission system and minimizing risk.

Engineer, Gas Transmission, provides technical expertise and support from an engineering perspective to ensure safe and effective operation, maintenance and enhancement of National Grid's gas transmission and distribution networks in accordance with the corporate strategic plan.

Director, Investment Planning, responsible for producing the 5 Year Capital Investment Plan and the sanctioning of associated projects.

Manager, Investment Management, responsible for the Capital Investment Sanctioning process.

Investment Planner, responsible for building the 5 Year Capital Investment plan.

VEGETATION MANAGEMENT

Director, Vegetation Management, responsible to ensure delivery of annual vegetation management and inspection programs in compliance with state safety orders and company operating procedures related to elevated voltage testing and asset maintenance inspections.

Manager, Transmission & Distribution Forestry, establishes monitors and adjusts transmission vegetation strategies utilized to perform vegetation management activities. Supports annual budget needs and provides the annual work plan listing for completion by the T&D Vegetation Management group. Inspects work quality and audit effectiveness of total program through various methods of quality assurance. Ensures all regulatory reporting is performed efficiently and within stipulated timeframes.

Manager, Transmission & Distribution Veg and Maintenance Forestry, to effectively manage and ensure delivery of the Transmission and Distribution Vegetation Management programs in compliance with regulatory standards and safety legislation and in accordance with agreed cost, schedule and performance standards.

Sr. Supervisor, Vegetation Management & Inspections, Transmission & Distribution Forestry, to effectively manage a supervisory and contracted Forestry workforce responsible for delivery of the Annual Cycle Trimming program and completion of identified Reliability and Customer driven trimming/clearing programs within defined budgetary constraints. Is responsible for the daily supervision and organization of assigned operations personnel in order to effectively and efficiently accomplish job tasks in line with departmental and National Grid requirements.

Forester, Vegetation Management & Inspections, Transmission & Distribution Forestry, plan and implement the Transmission Vegetation Management program through the effective management of contractors and resources in order to meet the objectives of the business.

CONSTRUCTION

SVP, Complex Capital Delivery, Oversees Project Management, Complex Construction for Electric and Gas, Complex Capital Delivery and Project Development .

Director, Construction, leads the Project Management and Complex Construction Group and manages the day to day relationship with contract service providers, including supporting negotiations, interpretation and application of established contractual agreements and/or service level agreements to ensure adherence to standards and best outcomes for National Grid. This group is comprised of the Transmission and Distribution Line Construction, Substation Construction, Complex Gas Construction, and Civil Construction as well as emergency response.

Manager, Construction, TLS & Transmission Contracting, Manages electric transmission line and related activities, including new facilities, major additions, rehabilitation and retrofit projects by directing an internal represented work force and an external contracting work force.

Supervisor, Construction, TLS & Transmission Contracting, implement construction strategies and methodologies that maximize and ensure the safe and efficient execution of the T&D capital substation construction work plan in the US. Execution of these goals is achieved through ongoing leadership, direction and clear communication of responsibilities focused on the internal National Grid Crews and Contracted resources. Is responsible for the daily supervision and organization of assigned operations personnel in order to effectively and efficiently accomplish job tasks in line with departmental and National Grid requirements.

Director, Resource Planning, plans, directs and implements asset management investment strategy in order to fully achieve all budget, portfolio goals and strategic objectives through collaboration with functional groups, providing exceptional direction and guidance to stakeholders, affording full visibility of the plan and progress against plan to all levels and facilitating timely intervention to enable optimal budgetary, resource and asset decisions in support of our customers.

Program Manager, Resource Planning, provide centralized coordinated management of Electric/Gas Distribution and Transmission portfolio of programs and project. The Program Manager identifies the resources required in the portfolio by type, quantity, time duration, need date and cost. The Program Manager develops the resource plan to support the initiatives and then administers the plan by tracking progress and costs.

Analyst, Resource Planning, supports the centralized coordinated management of Electric/Gas Distribution and Transmission Long Term portfolio of programs and projects. Documents and records the resources required in the portfolio by type, quantity, time duration, need date and cost.

Director, Protection & Telecom Operations, responsible to direct, manage and administer the Protection and Telecom Operations Group, comprised of resources having a broad range of technical expertise.

PROCUREMENT

VP, Energy Procurement

Director, Procurement Substation & Overhead Lines, facilitate the Procurement of Construction Services for outsourced Transmission work. Work closely with Transmission Line Engineering and project Management & Complex construction employees.

Manager, Procurement Transmission Line Construction, facilitate the Procurement of Construction Services for outsourced Transmission work. Work closely with Transmission Line Engineering and project Management & Complex construction employees.

Buyer, Procurement Transmission Line Construction, responsible for coordinating the Transmission Construction procurement process including the management of multiple bid negotiations in order to maintain strong working relationships with key suppliers while ensuring organizational cost savings to ensure National Grid's performance objectives are met.

REGULATION AND PRICING

Director, Pricing NY & NE, to serve as the lead advisor in renewals and transmission policy matters, providing expert policy analysis and positions to enhance the company's competitive position and support growth of National Grid's transmission business in the US.

Manager, Regulation Policy (NY & NE), to lead the development of transmission and generation rates, contributing to the development of rate cases and formation of regulatory strategy.

COMMERCIAL SERVICES

Director, COMMERCIAL SERVICES, FERC, direct all Transmission Commercial transactional arrangements for US Transmission, including NE and NY ISO transmission-related activity, transmission customer transactions, and connection related transactions

Account Manager, key point of contact for transmission customers in all respects related to the transmission services provided by National Grid.

Analyst, serves as contract and economic analyst to support regulatory contracts and contract databases for over transactional documents that evidence the revenue stream for the transmission business.

Community Coordinator, serves as lead in FERC EQR (Electronic Quarterly Reporting) filing process and responsible for contract execution process.

TRANSMISSION CONTROL CENTER - NEW ENGLAND

Director, Transmission Control Center NE, to lead the monitoring and control of the electrical transmission through the control center and the responsible area to ensure a safe and continuous and controlled supply of electricity that complies with all internal and regulatory standards in New England.

Manager, NE Control Center, responsible for day-to-day operation of the New England control room - including schedules, personnel, and technical issues.

Application Coordinator, coordinate outage applications for work on the New England transmission system and submit outage applications in accordance with agreed guidelines; schedule appropriate personnel responsible for switching outage applications; perform preliminary outage analysis to ensure overall system security can be safely maintained.

Lead Security Operator, responsible for system security, authorization of outages, and overall operation of the New England transmission system. Also responsible for REMVEC Satellite system security. Directs response to system emergencies.

System Control Center Operators, monitors, assesses and responds to all alarms. Responsible for all switching and tagging functions & coordination with field personnel.

Manager, NE Outage Management, responsible for day-to-day operation of the New England Outage planning and coordination group.

Outage Coordinators, responsible for day-to-day operation of the Outage Coordination, the analysis of proposed electric system outages for voltage, thermal, reliability, and coordination constraints and issues on the NE Transmission.

TRANSMISSION CONTROL CENTER - NEW YORK

Director, Transmission Control Center NY, to lead the monitoring and control of the electrical transmission through the control center and the responsible area to ensure a safe and continuous and controlled supply of electricity that complies with all internal and regulatory standards in New York State.

Manager, NY Control Center, responsible for day-to-day operation of the New York control room, including schedules, personnel, and technical issues.

Application Coordinator, coordinate outage applications for work on the Upstate New York Transmission System and submit outage applications in accordance with agreed guidelines; schedule appropriate personnel responsible for switching outage applications; perform preliminary outage analysis to ensure overall system security can be safely maintained.

Lead Engineer, perform system studies, maintain EMS security software, provide control room technical support, contribute to development & review of operating criteria & policies, and provide input to the NYISO on the resolution of operating problems.

Regional Operators, monitors, assesses and responds to all alarms. Responsible for all switching and tagging functions & coordination with field personnel.

Security Operators / Team Leader, responsible for system security, authorization of outages, and overall operation of the New York transmission system. Directs response to system emergencies.

System Control Center Operators, liaison between NYISO & generators, notifies generators of reserve pick-up requirements, ensures that generators are at their base points, tracks generator de-rates, schedules through the ISO, out of merit generation, and verifies/corrects generator schedules as necessary. Responsible for reviewing and coordinating switching activities.

Lead Outage Coordinator, responsible for the short term and long term Outage Coordination including analysis of proposed electric system outages for voltage, thermal, reliability, and coordination constraints and issues on the NY Transmission.

HVDC OPERATIONS

Director HVDC Operations, lead the operation of the control systems which control the high voltage direct bulk transmission of electricity through the National Grid assets and over to other entities so that they can operate in a safe and efficient manner

Lead HVDC Technician, lead the maintenance of the control systems which control the high voltage direct bulk transmission of electricity through the National Grid assets and over to other entities so that they can operate in a safe and efficient manner.

Engineer, responsible for controls, protections and equipment for the HVDC converter terminals (this includes Principal and Senior Engineer).

Maintenance Technician, maintains the station equipment in the converter terminals (this includes Senior Maintenance Technician).

Director HVDC Operations/Maintenance, responsible for managing the operations and maintenance of the Sandy Pond and Monroe HVDC converter stations; represent the service provider and manage the “service plan” between Interconnects & Business Development in the U.K. and Transmission in the U.S.

Analyst, coordinates with finance and commercial services on all financial transactions and billings.

Network Operators, responsible for the bulk power transfers between Hydro-Quebec and New England. This person operates the HVDC terminals in both Quebec and New England.

Planner, (this includes Comerford Planner), plan and prepare the maintenance schedule, ensure necessary parts and equipment are available to complete the maintenance work for the HVDC facilities.

Control Room Technician HVDC, support PLM Programming Language updates and modifications to microprocessor based control and protection equipment.

ELECTRIC DISTRIBUTION DISPATCH AND CONTROL CENTERS

Director, Control Center, lead the monitoring and control of the electrical distribution through the control center and the responsible area to ensure that there is a continuous and controlled supply of electricity that complies with all internal and regulatory standards.

Coordinator System Control Center provides work application coordination to the distribution control centers. This organization monitors and directs switching activities and dispatches field resources as necessary to assure reliable service to the substations and sub-transmission and distribution systems below 69kV.

Manager, Distribution Dispatch, provides manager level oversight to the control center. Monitors direct switching activities and dispatches field resources as necessary to assure reliable service to the <69KV sub transmission and substations.

Shift Supervisor Control Room provides supervision/leadership of daily shift operations of the Dispatch & Control organization.

Supervisor, provides supervisor level oversight to the Distribution Control Center. This organization monitors and directs switching activities and dispatches field resources as necessary to assure reliable service to the substations and sub-transmission and distribution systems below 69kV, within the NG USA electrical network.

System Control Center Operators, monitors and directs switching for the safe and reliable operation of the substations and sub-transmission and distribution systems below 69kV within the NG USA electrical network.

GAS CONTROL CENTER OPERATIONS

Director, Gas Control & Meter Data, lead the distribution of gas through the pipeline network, monitoring and analyzing the flow and pressure, to ensure the correct pressure and quantity of gas is delivered to the divisions. To lead the analytical team collating and analyzing data on the electrical usage by customers for forecasting and market settlement purposes.

Manager, Gas Control, lead the control room operations to ensure the gas distribution is controlled in a safe, secure, reliable, and efficient manner according to all regulatory and operating standards.

Chief Gas dispatcher, Gas Control, coordinates the day-to-day operation of the Gas system where assigned in order to ensure the safety, reliability, security and integrity of the dispatch of the gas system to meet daily customer requirements consistent with company goals, objectives and policies in full compliance with existing and future government codes and regulations.

Gas System Operator, Gas Control, coordinates the day-to-day operation of the Gas system where assigned in order to ensure the safety, reliability, security and integrity of the dispatch of the gas system to meet daily customer requirements consistent with company goals, objectives and policies in full compliance with existing and future government codes and regulations.

Engineer, Gas Control, provide Control Center support such that the system is operated in a the safe, secure, reliable, and efficient manner in accordance with all FERC, NERC, NPCC, NYISO, and National Grid requirements, standards, and procedures. Support the Control Center through studies, maintaining procedures, EMS database maintenance, providing capital project comments and committee participation.

SOP Coordinator, Gas Control, supports the delivery of a reliable outage plan and transmission outage applications to the National Grid Control Center, neighboring utilities and the Independent System Operator, ensuring that these do not adversely impact customers or energy markets