Job Descriptions of TFEs in NIPSCO

FERC Standards of Conduct Job Descriptions - NIPSCO

Rev. 03/26/2026

TRANSMISSION OPERATIONS PLANNING

Title	Description
Mgr Transmission Planning and Interconnections	This position is responsible for managing the Transmission Planning and Interconnections Planning and Analysis departments. This position actively participates with other applicable departments in developing NIPSCOs strategic plan on infrastructure development and recovery. This position is responsible for managing the administration of NIPSCOs wholesale service agreements as well as any agreements with third parties connecting to or impacting NIPSCOs system and any regulatory filings that are required with these agreements. This position ensures NIPSCO's future electric infrastructure needs and opportunities are identified in the planning processes to allow for safe, reliable, and affordable electric delivery to NIPSCO's electric customers.
Mgr Operations Planning	The Operations Planning Manager directs the Operations Planning department in the planning of NIPSCOs transmission system going into the operating day, including scheduled outages, performance and protection, and scheduling of capacity usage in accordance with NERC standards, regulatory requirements, and contractual obligations.
Leader Electric System	This position directs the Transmission Operations Planning team responsible for providing engineering services supporting near-term reliability studies and outage coordination internally within NIPSCO with MISO and neighbor utilities. This role also oversees the adherence to NERC, FERC and MISO standards and processes applicable to the group's areas of responsibility.
Transmission Planning Engineer	Provides technical support and operational data to various operating, planning, and engineering groups to assist in the planning, installation, and operation of new equipment additions to the electric system with emphasis on future operational needs, system reliability, and safe switching practices.
Transmission Resource Engineer	The Transmission Resource Engineer position is responsible for performing power system analysis using power flow, transient stability, voltage stability & steady-state analysis software, including PSSE, GE / OSI Energy Management System (EMS), Powertech DSA and others. This includes performing ad-hoc, 150-Day, 60-Day, and 14-Day ahead power flow studies and developing appropriate mitigation actions to ensure system reliability. The role is responsible for outage coordination functions with internal and external stakeholders, maintains the EMS network model used in Transmission Operations and supports NERC Compliance tasks for the Operations Planning department.
Real-Time Operations Engineer / Specialist	The Real-Time Operations Engineer/Specialist position is responsible for providing direct engineering support to real-time operations. This includes the review of anticipated and historical system conditions, the use of various analysis tools in this review, and the development of appropriate responses to these system conditions. This is a 24 by 7 rotating shift position, with an additional purpose of proactively monitoring Energy Management System network analysis tools, including state estimator performance and resolving any problems that impact state estimator solution or availability.
Engineering Intern	The Engineering Intern is an engineering (EE/EET) student who works under direct supervisory review on a daily basis. In a learning position, the Intern engineer will receive on the job training assisting the Operations Planning Engineer. Assignments are designed to develop technical and regulatory work knowledge, abilities and safe work practices. For a returning Intern, responsibility is increased with each successive work period. The Engineering Intern is generally responsible for providing assistance to verify data, input data, verify performance and facilitate enhancements to the network analysis powerflow models and EMS network applications tools.

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ELECTRIC SYSTEMS DISPATCH / TRANSMISSION OPERATIONS

Title	Description
Manager Electric Systems Dispatch	Directs and optimizes the physical and human resources of Electric System Dispatch to maximize the operational effectiveness and utilization of available Transmission and Distribution electric facilities. These functions must be performed with emphasis on operational safety, system reliability and customer expectations utilizing system planning analyses and operational coordination addressing current and future system requirements. This position requires being on 24 hour call, working outside normal schedule, to include, extended hours, weekends and holidays to address customer/Company projects and system restoration requirements.
Manager Transmission Operations	Manages the Electric System Control Area's transmission operation in accordance with NERC, RFC and MISO policies, regulatory requirements, and contractual obligations, while optimizing the systems internal resources. Assures NIPSCO's transmission reliability in conjunction with the MISO Reliability Coordinator function.
Manager Compliance Training	Manages team overseeing multiple training programs including Transmission System Supervisor (TSS), Generation System Supervisor (GSS), Real Time Operating Engineer (RTOE), and ESSO Dispatcher training programs. Has real-time viewer access to Transmission & Distribution Energy Management System (EMS) and supporting software.
Supervisor ESSO Ctr	Supervises the physical operation of the Electric System Dispatch department. Daily supervises for operational effectiveness and utilization of available resources in dispatch and in the field to manage restoration and maintenance orders of the electric facilities. These functions must be performed with emphasis on operational safety, system reliability and customer expectations. Contact is needed to utilize system planning analyses and operational coordination addressing current daily system requirements. This position requires 24 hour daily operation, working outside normal schedule when requested to support the restoration process on weekdays, weekends and holidays to address customer outages as needed for system restoration requirements.
ADMS Arranger	A Distribution Arranger, will work with ESSO Leadership to support the safe and reliable operation of the Distribution Electric System, reviewing, analyzing and preparing switching for operational and maintenance tasks and the installation of asset improvements. They will oversee the distribution system in real time to ensure safe, reliable, delivery of service to customers and communities. Arrangers will work out of the distribution control center, which operates 24/7, and will be required to work shifts accordingly.
Supt Field Operations	The position is to provide leadership in the area implementing and coordinating the installation and energization of high voltage equipment, creating and maintaining operational procedures and diagrams, and directing switching of the transmission, distribution, and substation equipment, while assuring system reliability, public and employee safety, cost effectiveness, and proper asset management.
Starting & Operating Supervisor	Monitors current electric system operating conditions using Energy Management Systems and other computer data based systems for abnormalities affecting or having the potential to affect safety and/or system reliability. Works with Dispatcher -Operators and other operating groups to resolve these issues. Implements and coordinates the installation and energization of high voltage equipment associated with the corporation and its customers. Develops and distributes electric substation operating orders, line operating orders, general orders and guidelines for all transmission substations and lines. Provides technical support and operational data to various operating, planning, and engineering groups to assist in the planning, installation, and operation of new equipment additions to the electric system with emphasis on future operational needs, system reliability, and safe switching practices. Originates, distributes, and maintains single line diagrams for all transmission substations and operating switching maps for all transmission lines. Creates, provides, and maintains numerous technical information data bases associated with system operations and functions for and to all corporate electric operating and engineering groups. Assigns equipment and line designations in and for electric substations, line switch, new and existing lines, and addresses special operating conditions within these areas. Conducts frequent field inspections of construction sites to keep abreast of construction progress and maintains close affiliation with all field operating personnel. Supervise and provides guidance to Dispatcher-Operators, addressing and resolving routine and emergency substation and line switching, electric system restoration, and outage evaluation issues.
Leader Trans Ops	Leads the Electric System Control Area's transmission operation in accordance with NERC, RF and MISO policies, regulatory requirements, and contractual obligations, while optimizing the systems internal resources. Assures NIPSCO's transmission reliability in conjunction with the MISO Reliability Coordinator function. Works collaboratively with external neighboring utilities to ensure reliable transmission interconnections.
Transmission System Supervisor - Operations	Monitors conditions and oversees operation of the NIPSCO bulk transmission system. Assures reliability and has authority to take corrective action as necessary. Responsible for restoration of transmission reliability after contingencies and system emergencies. Ensures operation of the system in adherence to NERC, RFC and MISO operating policies.
Starting Engineers & Specialist	Implements and coordinates the installation and energization of high voltage equipment associated with the corporation and its customers. Develops and distributes electric substation operating orders, line operating orders, general orders and guidelines for all electric substations and lines. Originates, distributes, and maintains single line diagrams for all electric substations and operating switching maps for all transmission lines. Assigns equipment and line designations in and for electric substations, line switch, new and existing lines, and addresses special operating conditions within these areas.
Operations Interns	Interns work description: Utilize GE & OSI EMS in view only capacity Collaborate with OT to mitigate discrepancies Update single line diagrams for all electric substations and operating switching maps for all transmission lines. Updates Circuit Data Sheets Update DO MAP board
Training Engineers & Specialists	Manages training programs including Transmission System Supervisor (TSS), Generation System Supervisor (GSS), Real Time Operating Engineer (RTOE), and ESSO Dispatcher training programs. Has real-time viewer access to Transmission & Distribution Energy Management System (EMS) and supporting software.
Training Interns	Interns work description: Create training program for ESSO Dispatch

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TRANSMISSION PLANNING & SCHEDULING / FIELD OPS

Title	Description
NIPSCO Substations Ops: **Regional Manager** **Supervisor Substation**	Reviews and directs the daily operations activities relating to power equipment switching, maintenance, construction, and emergency work. Plans, develops, and coordinates power equipment maintenance, construction, and testing schedules. Approves and directs the daily activities of the physical bargaining unit employees. Responsible for Standby duty wherein the Supervisor is responsible for all emergency calls pertaining to major equipment problems. Administers the safety program to ensure the protection of all field personnel.
Supervisor Structure	A Field Leader for Electric Operations, Structures provides leadership to a team of employees and/or contractors directly responsible for supporting emergencies on the Transmission & Distribution Electric System, performing general operational & maintenance tasks and the installation of asset improvements. They generally have an assigned geographic service territory and are expected to ensure safe, reliable, delivery of service to customers and communities. Field Leaders serve as role models for safe work practices, are visible in the field and help ensure work is performed in accordance with standards and procedures. They also actively manage the development and training of employees to improve individual and team performance.
Supt Field Operations	The position is to provide leadership in the areas of operation, maintenance, and construction of systems and infrastructure while assuring system reliability, public and employee safety, cost effectiveness, and proper asset management.
Engineers	Implements and coordinates the installation and energization of high voltage equipment associated with the corporation and its customers.
Manager Substation Performance Resources	The position is to provide leadership in the areas of operation, maintenance, and construction of systems and infrastructure while assuring system reliability, public and employee safety, cost effectiveness, and proper asset management.