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.