



Allegheny Power

Transmission Function Job Descriptions

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Allegheny Power - Transmission - Transmission Operations

General Manager, Transmission System Operations

The General Manager, Transmission System Operations provides leadership, management and supervisory services to the employees and functions within the Operations Center. The General Manager, Transmission System Operations is responsible for all activities in the Operations Center and associated facilities. These activities on the transmission system include coordinating and controlling the operation of the network transmission system and interconnection facilities of Allegheny Power while maintaining the security, reliability, and integrity of the system. The General Manager is also responsible for the regulated generation dispatching functions performed in the Operations Center. This dispatch is confined to the output from regulated power station units based on the requirements determined by PJM directions. The output dispatched consists solely of output from regulated Allegheny Power units committed to serving Allegheny Power West Virginia load, or PURPA and non-utility generators whose output Allegheny Power is committed to purchase.

Manager, Transmission System Operations

The Manager, Transmission System Operations reports to the General Manager, Transmission System Operations and fills several roles within the Transmission System Operations organization (Shift Manager, Transmission Reliability Authority, and Generation Dispatcher). Many of the functions performed by the roles filled by the Manager, System Operations closely resemble the functions performed by the NERC System Operator definition. The Shift Manager role has supervisory responsibilities for shift personnel and activities on a given shift of the Operations Center including the Transmission Reliability Authority and the Regulated Generation Dispatcher. The Shift Manager role is responsible for coordinating activities to maintain reliability on the bulk electric system and within the Allegheny Power service territory, by means including reconfiguring, and restoring service on the electric transmission, subtransmission and distribution systems through the work of the Transmission Reliability Authority and Operator roles. The Transmission Reliability Authority role is responsible for directing the activities in the Operations Center to coordinate and control the operation of the network transmission system and interconnection facilities of Allegheny Power. The Generation Dispatch role coordinates the dispatch of output from regulated power station units based on the requirements determined by PJM directions. The output dispatched consists solely of output from regulated Allegheny Power units committed to serving Allegheny Power West Virginia load, or PURPA and non-utility generators whose output Allegheny Power is committed to purchase. In addition, the Manager, Transmission System Operations also conducts a number of the day-to-day functions of the General Manager, Transmission System Operations.

Administrative Assistant

The Administrative Assistant, Transmission System Operations provides secretarial, administrative, and office management services for the Transmission System Operations unit.

Manager, Transmission System Operations

The Manager, Transmission System Operations reports to the General Manager, Transmission System Operations and fills several roles within the Transmission System Operations organization (Shift Manager, Transmission Reliability Authority, and Generation Dispatcher). Many of the functions performed by the roles filled by the Manager, System Operations closely resemble the functions performed by the NERC System Operator definition. The Shift Manager role has supervisory responsibilities for shift personnel and activities on a given shift of the Operations Center including the Transmission Reliability Authority and the Regulated Generation Dispatcher. The Shift Manager role is responsible for coordinating activities to maintain reliability on the bulk electric system and within the Allegheny Power service territory, by means including reconfiguring, and restoring service on the electric transmission, subtransmission and distribution systems through the work of the Transmission Reliability Authority and Operator roles. The Transmission Reliability Authority role is responsible for directing the activities in the Operations Center to coordinate and control the operation of the network transmission system and interconnection facilities of Allegheny Power. The Generation Dispatch role coordinates the dispatch of output from regulated power station units based on the requirements determined by PJM directions. The output dispatched consists solely of output from regulated Allegheny Power units committed to serving Allegheny Power West Virginia load, or PURPA and non-utility generators whose output Allegheny Power is committed to purchase.

Operator, Transmission System Operations

The Operator, Transmission System Operations reports to the General Manager, Transmission System Operations and directs the activities of field personnel during troubleshooting, assessment and switching activities on the electric network. The Operator, Transmission System Operations monitors the electric transmission, subtransmission, and distribution systems within the Allegheny Power service territory, in order to maintain service on the system. On the transmission system, the Operator, Transmission System Operations recommends to, and implements actions directed by the Manager, Transmission System Operations to interrupt or restore service to affected facilities on the system. Some Operators may be trained to assist in performing the role of the Generation Dispatcher. The Generation Dispatch role coordinates the dispatch of output from regulated power station units based on the requirements determined by PJM directions. The output dispatched consists solely of output from regulated Allegheny Power units committed to serving Allegheny Power West Virginia load, or PURPA and non-utility generators whose output Allegheny Power is committed to purchase

Operator, Transmission Reliability & System Support

Operator, Transmission Reliability & System Support develops, plans, updates and delivers training programs to ensure Transmission System Operations personnel are in compliance with all FERC, NERC, PJM and other regulatory, operational and corporate training requirements. Operator, Transmission Reliability & System Support is required to be competent in both knowledge of Transmission System Operations and instructional capabilities. Periodically perform area desk duties to provide shift relief to Operators, Transmission System Operations.

Allegheny Power - Transmission - Transmission Planning and Compliance

General Manager, Operations Planning

Manages engineering activities pertaining to near-term planning and operation of the Allegheny Power transmission network in order to maintain security, reliability, and integrity of the interconnected transmission network.

Senior Engineer

Senior Engineer, Operations Planning performs technical studies related to system performance. Includes areas of interconnections, stability, power quality, and reliability. Provides guidance on new technology applications related to infrastructure, provides research into new planning methods and standards, and assists in the development of the professional engineering staff. This is a technical alternative career path rather than moving into management, and is gauged on the qualifications of the individual and the needs of the Operations Planning group instead of being considered an incumbent position.

Engineer

Engineer, Operations Planning performs technical studies of the transmission and sub-transmission system to evaluate reliability, security, and to provide System Operations with detailed contingency plans for unplanned events and system emergencies. Engineers perform seasonal assessments and special studies to evaluate expected system performance under peak or unusual conditions. Engineers perform System Impact Studies to evaluate short or long term transmission service requests, received through the PJM OASIS.

Technician

Perform a variety of technical tasks in support of the work of Operations Planning engineers.