

TRANSMISSION OPERATIONS

(August 5, 2010)

Managing Director – Transmission Operations: Paul B. Johnson

The Managing Director - Transmission Operations is responsible for the safe, reliable, cost-effective, and profitable operational management of AEP's transmission assets including: 1) directs and manages AEP's Transmission Operations organization in a manner to achieve corporate goals, 2) directs the development of policy, processes, procedures, and systems to aid in ensuring that AEP's transmission assets are operated in compliance with all applicable safety and reliability standards, contractual and tariff obligations, and all federal, state, and local regulations and laws, 3) directs the development and implementation of normal and emergency operating procedures to maintain interconnected system security and integrity, and 4) provides input, direction, and leadership on transmission operations matters for the transmission organization and others in AEP, and in pertinent forums outside AEP, and acts as primary AEP transmission operations interface with regional transmission organizations (RTOs), independent system operators (ISOs), reliability organizations, and customers.

Transmission Operations Support Analyst:

These employees are responsible to the assigned supervisor to perform work activities and projects requiring technical knowledge in a safe, effective, efficient, and economic accomplishment of assigned objectives.

Coordinators:

These employees are responsible to the assigned supervisor to perform work activities and projects requiring technical knowledge in a safe, effective, efficient and economic accomplishment of assigned objectives.

Director – Transmission Dispatch: Edward Schnell

The Director – Transmission Dispatch is responsible for providing leadership, vision and executive oversight for the transmission dispatching organization to facilitate effective services between the energy delivery regions and transmission dispatching. Develop, implement and monitor strategies that achieve Transmission Operation organizational goals, objectives and long-range plans. Ensure the efficient and professional operation of the daily activities and administrative functions of all Transmission Dispatching Centers. Ensure that dispatching standards are consistent throughout the system with the goal to protect the integrity and reliability of the transmission network.

Manager – Transmission Dispatching Roanoke: Darrell Guill

The Manager – Transmission Dispatching Roanoke is responsible for the safe, reliable and cost-effective coordination, dispatching and restoration of assigned transmission facilities and the overall moment-to-moment operation of a portion of the AEP transmission system including

- 1) managing the Transmission Dispatching group in support of Transmission Operations goals,
- 2) ensuring safe transmission dispatching practices in accordance with company standards,
- 3) managing the coordination of transmission facility outages internally and externally,
- 4) managing moment-to-moment operation and surveillance of the assigned portion of AEP's transmission system,
- 5) managing restoration of facilities in a safe and reliable manner,
- 6) implementing normal and emergency procedures per plans, and
- 7) ensuring proper training of dispatching personnel.

Transmission Dispatching Supervisors:

These employees are responsible for the safe and reliable operation, dispatching and restoration of facilities for a portion of the AEP transmission system.

Transmission Dispatching Coordinators:

These employees are responsible for reviewing and approving equipment removal for maintenance of lines and stations while maintaining adequate voltage levels; for coordination of activities with the various departments of the Company.

Transmission Dispatchers:

These employees are responsible for assisting and carrying out direction of switching operations on the transmission system, performing hourly load data input, and assisting others in the department in the performance of their duties.

Engineers:

These employees are responsible for performing engineering work activities and projects requiring the application of engineering knowledge in a safe, effective, efficient and economic accomplishment of assigned objectives.

Manager – Transmission Dispatching Corpus Christi: Dennis Kunkel

The Manager – Transmission Dispatching Corpus Christi is responsible for the safe, reliable and cost-effective coordination, dispatching and restoration of assigned transmission facilities and the overall moment-to-moment operation of a portion of the AEP transmission system including:

- 1) managing the Transmission Dispatching group in support of Transmission Operations goals,
- 2) ensuring safe transmission dispatching practices in accordance with company standards,
- 3) managing the coordination of transmission facility outages internally and externally,
- 4) managing moment-to-moment operation and surveillance of the assigned portion of AEP's transmission system,
- 5) managing restoration of facilities in a safe and reliable manner,
- 6) implementing normal and emergency procedures per plans, and
- 7) ensuring proper training of dispatching personnel.

Manager – Transmission Dispatching Shreveport: David L. Milford

The Manager – Transmission Dispatching Shreveport is responsible for the safe, reliable and cost-effective coordination, dispatching and restoration of assigned transmission facilities and the overall moment-to-moment operation of a portion of the AEP transmission system including

- 1) managing the Transmission Dispatching group in support of Transmission Operations goals,
- 2) ensuring safe transmission dispatching practices in accordance with company standards,
- 3) managing the coordination of transmission facility outages internally and externally,
- 4) managing moment-to-moment operation and surveillance of the assigned portion of AEP's transmission system,
- 5) managing restoration of facilities in a safe and reliable manner,
- 6) implementing normal and emergency procedures per plans, and
- 7) ensuring proper training of dispatching personnel.

Manager – Transmission Dispatching Columbus: Clinton D. Moses

The Manager – Transmission Dispatching Columbus is responsible for the safe, reliable and cost-effective coordination, dispatching and restoration of assigned transmission facilities and the overall moment-to-moment operation of a portion of the AEP transmission system including

- 1) managing the Transmission Dispatching group in support of Transmission Operations goals,
- 2) ensuring safe transmission dispatching practices in accordance with company standards,
- 3) managing the coordination of transmission facility outages internally and externally,
- 4) managing moment-to-moment operation and surveillance of the assigned portion of AEP's transmission system,
- 5) managing restoration of facilities in a safe and reliable manner,
- 6) implementing normal and emergency procedures per plans, and
- 7) ensuring proper training of dispatching personnel.

Manager – Transmission Settlements: Carole Myser

The Manager – Transmission Settlements is responsible for: 1) coordinating the transmission accounting for the hourly MWH data including the complete accounting (scheduled and metered) of intra AEP energy flows and the energy flows between AEP and its interconnected control areas, 2) the accurate and timely preparation of transmission service billing/invoicing, 3) providing the necessary associated FERC reporting and various statistical reports which support departments throughout the AEP system and associated industry and regulatory agencies, and 4) the specification of transmission service related Customer Choice requirements.

Energy Accounting Analysts:

These employees are responsible for providing expert counsel and support to transmission operations and settlements including providing information and documentation for operations engineering and support, developing and providing technical and settlements training, act as lead representative on operations and settlements audits, providing verification of all metering data for energy calculations, providing statistics and other information for regulatory and other reports, and providing other information and technical data support needs for Transmission Operations.

Transmission Settlements Analysts:

These employees are responsible for assisting in the transmission accounting of hourly MWh data, and direction the billing/invoicing of third parties and the AEP merchant function directly from the Company's Open-Access Same-Time Information System (OASIS).

Energy Settlements Analysts:

These employees are responsible for the verification of energy schedules and generation with outside entities and inter-company departments, processing interconnection billing, and reporting timely and accurate information concerning all aspects of AEP wholesale business.

Load Research Data Analysts:

These employees are responsible for the retrieval, processing, and validation, of billing and load research data used to calculate system load and are required to interact with appropriate personnel to resolve suspected metering or telecommunications problems, and review, investigate and resolve billing data discrepancies.

Supervisor – Training & Development: Stanley Winbush

The Supervisor – Training & Development is responsible for managing the development and delivery of technical skills training in support of control area and dispatching activities and in support of operations engineering practices; for ensuring the training program meets Transmission Operations goals for system reliability and is in compliance with all NERC, regional and regulatory requirements; for coordinating with Transmission Operations management in the determination of present and forecasted training needs; for ensuring the training program maintains NERC Continuing Education Provider status; for ensuring the review of switching performance to detect and mitigate root causes of switching errors; and for providing system analysis and review of the dispatching function as it pertains to switching and tagging issues.

Operations Training Specialists:

These employees are responsible for the development, implementation and presentation of technical skills training for the transmission business unit to provide personnel with the skills and knowledge required to perform job responsibilities and to prepare for advancement opportunities.

Transmission Operations Training Coordinators:

These employees are responsible for coordinating the development, implementation and presentation of technical skills training for the transmission business unit to provide personnel with the skills and knowledge required to perform job responsibilities and to prepare for advancement opportunities.

T&D Operations Specialists:

These employees are responsible for providing support for the operations function, and providing system analysis, information, documentation, and procedures for the dispatching function and for operations engineering and support.

Manager – Operations Engineering: Timothy Hostetler

The Manager – Operations Engineering is responsible for providing cost effective and proper engineering and engineering support services for the Transmission Operations organization; for managing the activities of the Operations Engineering group in support of Transmission Operations goals; for managing and coordinating transmission reliability functions for the AEP transmission network in PJM and SPP; for managing the development of operational standards, system studies, normal and emergency operating plans and procedures, and documentation in support of dispatching to aid in ensuring safe, reliable and cost effective operation of the AEP transmission system; for ensuring the annual update, revision and improvement of the AEP Transmission Emergency Operating Plan and ensuring said Plan conforms to the latest NERC requirements; for managing the development, review, revision and issuance of equipment settings, reclosing practices, equipment naming conventions, equipment capabilities, alarming strategies, and voltage settings; for ensuring the training and development of the Operations Engineering staff; for providing operational input to the transmission asset management process; and for providing engineering guidance on reliability and regulatory compliance matters.

Graphics Technicians:

These employees are responsible for performing, under general supervision, drafting and computer graphics duties to prepare and maintain maps, sketches, diagrams and other engineering drawings.

Manager – Transmission Real-Time Operations: David Pritchard

The Manager – Transmission Real-Time Operations is responsible for the efficient and reliable operation and coordination of the AEP SPP Control Area zone and transmission system; for the efficient and reliable operation and coordination of the resulting PJM assigned Local Control Center activities of the AEP eastern transmission system; for the coordination and scheduling of the activities and personnel of the Operations Reliability group; for ensuring compliance with all NERC Reliability Standards; for ensuring compliance to all operating provisions of RFC Standards; for ensuring compliance to all operating provisions of SPP criteria; and for ensuring proper oversight and non-discriminatory execution of transmission service schedules with transmission customers and other control areas.

Supervisor – Transmission Real-Time Operations:

These employees supervise the day-to-day activities of the Operations Reliability group, which is responsible for the efficient and reliable operation and coordination of the AEP transmission system in PJM and SPP.

System Control Center System Operator:

These employees are responsible for carrying out the safe, efficient and continuous operation of the transmission system; for arranging and approving switching operations and removal of equipment for maintenance of transmission lines and transformers.

System Control Center Analyst:

This employee serves as technical liaison to transmission customers and other organizations, both internal and external to AEP, to ensure specifications and adherence to business practices and procedures associated with scheduling and tagging of interchange transactions.

Director – Transmission EMS/SCADA Applications: Ron Allen

The Director – Transmission EMS/SCADA Applications is responsible for organizing and managing all activities related to ensuring the efficient and reliable operation, coordination and expansion of AEP's transmission Energy Management System (EMS), regional Supervisory Control and Data Acquisition (SCADA) systems, and transmission scheduling and accounting systems including the interfacing of these systems within PJM, SPP and ERCOT; for ensuring adherence to NERC CIP and related standards pertaining to these systems; for ensuring the development and delivery of training in support of SCADA related activities and in support of transmission operations; for ensuring operational input into the transmission asset management process; for ensuring engineering guidance on reliability and regulatory compliance matters; for ensuring Transmission Operations compliance with all Regional Reliability Council and RTO SCADA related requirements.

Project Manager – NERC CIP: Newman, James L

The Project Manager – NERC CIP manages the staff and processes supporting Transmission's NERC CIP compliance. This position has responsibility for implementing, supporting, and enhancing the NERC CIP compliance processes and procedures primarily for Transmission Operations, but additionally for the Transmission organization as a whole where deemed appropriate. Also, requires a focus on detailed process documentation, stringent controls, and a keen understanding of the necessity and significance of all NERC CIP compliance activities. Additionally, must be able to quickly adapt to changing requirements, the technical/procedural significance of changing requirements, the associate effort to remain compliance, and the ability to effectively plan and organize the work of the technical staff associated with this compliance.

NERC CIP Compliance Specialists:

These employees are responsible for ensuring compliance for Transmission Operations regarding the NERC CIP reliability standards as applied by all Regional Reliability Organizations (RROs); coordinating with Transmission, Generation, Commercial Operations, and Corporate in compliance matters; interfacing with these business units in the standards development/review process. Typical responsibilities may include: standards development, ensuring appropriate

systems are in place to track and monitor compliance, performing daily tasks to monitor compliance, and performing quarterly/yearly reviews to demonstrate compliance.

Manager – Cyber Security & Application Integrity: Bill Gorder

The Manager – Cyber Security & Application Integrity manages the staff supporting: the Transmission Operations NERC CIP Compliance program, the monitoring of systems associated with AEP’s critical infrastructure and associated Critical Cyber Assets, and the applications, systems, and functions associated with NERC CIP compliance and other AEP EMS systems. This position has responsibility for implementing, supporting, and enhancing these systems, including application software and hardware, such that the needs of the users are met. The work being managed is of a highly technical and sensitive nature. Also, requires a focus on detailed documentation and controls, and a keen understanding of the necessity and significance of all reliability activities, including compliance. Additionally, this position must be able to quickly adapt software and systems to changing requirements, understand the technical/procedural significance of changing requirements, and the ability to effectively plan and organize the work of the technical staff associated with this effort.

Transmission Operations Support Analysts:

The Analyst – These employees are responsible to assist Project management in the Transmission Operations Project section. Assess and improve the Transmission operations work process to achieve reliability, consistency and efficiency across the transmission grids. Provide assistance in managing and implementing various operations related projects including documentation and issue resolution. Also responsible for the projects financial plans, forecasts, performance measures and special studies; including the monitoring of economic performance, reviewing the corporate activities to ensure that the greatest degree of effectiveness and efficiency is achieved and making recommendations for improved performance. Assess and improve transmission operations work processes to achieve reliability, consistency and efficiency across the transmission grids.

Manager –Transmission Operations Advanced Applications: Kalle Chan

The Manager – Transmission Operations Advanced Applications manages the staff supporting the AEP Energy Management System (EMS) and its associated functions. This position has responsibility for implementing, supporting, and enhancing the transmission operations systems, including application software and hardware, such that the needs of the users are met.

Manger – Transmission Operations SCADA: George Keller

The Manager – Manages the staff and provides technical direction to a team supporting Supervisory Control and Data Acquisition (SCADA) systems at multiple regional transmission operations centers. These systems collect and process real-time operating data from transmission and generation facilities, which is then used for operational analysis and control.

EMS Analysts:

These employees are responsible for performing a wide variety of technical work requiring technical skills in EMS, networking, and custom applications to be able to develop, support and maintain real time applications.

Technicians:

These employees are responsible for performing a wide variety of technical work requiring technical skills associated with the planning, engineering, design, testing, construction, maintenance and operation of facilities.

Supervisor - SCADA Support:

These employees supervise the staff responsible for the hardware and software systems required for supporting the AEP East and West Control Areas and the associated functions.

SCADA Analysts:

These employees are responsible for providing technical support for Supervisory Control & Data Acquisition (SCADA) systems and other technical infrastructure used in Transmission Operations centers.

Manager – EMS Applications - West: James Jacoby

The Manager – Application Support Transmission manages the staff supporting the AEP energy Management System (EMS) and its associated functions. This position has responsibility for implementing, supporting, and enhancing the transmission operations systems, including application software and hardware, such that the needs of the users are met.

Manager – EMS Applications - East: Phil Hoffer

The Manager – Application Support Transmission manages the staff supporting the AEP energy Management System (EMS) and its associated functions. This position has responsibility for implementing, supporting, and enhancing the transmission operations systems, including application software and hardware, such that the needs of the users are met.

Manager – Transmission Quality Control & Audit Compliance: Kirk Schneider

The Manager – Transmission Quality Control & Audit Compliance provides the leadership and is responsible for the development and implementation of systems and procedures related to the analyses of reported operating company load data as issued by Transmission Settlements. The manager is responsible for various projects and process improvement activities across internal organizations related to the jurisdictional metering and jurisdictional metering data. The manager is also responsible for creating and implementing training programs for Transmission employees

involved in the jurisdictional metering and associated data, that require familiarization with data analysis and error identification skills and methodologies.

Transmission QC & QA Analysts:

This employee is responsible for analyses of the accuracy of reported jurisdictional load data and is responsible for projects and process improvement activities across organizations associated with jurisdictional metering data.