

SIERRA NEVADA REGION TRANSMISSION FUNCTION EMPLOYEES

Power Operations Manager:

- Reports to Regional Manager
- Manages and directs SNR's power system operations
- Manages work activities of personnel in SNR's Power System Operations Office
- Directs and implements Western's Open Access Transmission Tariff
- Directs or participates in developing Western's Open Access Transmission Tariff, interconnection agreements, operating agreements, facility agreements, and regulatory filings
- Directs the processing of requests and the approval or denial for transmission service agreements
- Directs coordination of all operational activities with adjacent interconnected utilities
- Represents Western in various meetings and committees on operational issues
- Directs and implements SNR's OASIS

Operations & Transmission Advisor:

- Reports to Power System Operations Manager
- Develops, coordinates, and implements programs for the sale of transmission services
- Implements Western's Open Access Transmission Tariff
- Participates in developing Western's Open Access Transmission Tariff, interconnection agreements, operating agreements, facility agreements, and regulatory filings
- Coordinates all operational activities with adjacent interconnected utilities
- Represents Western in various meetings and committees on operational issues
- Coordinate and Implement SNR's OASIS postings
- Establishes Regional policies and procedures in collaboration with the other Western and SNR managers.
- Manages special and continuing projects in all program areas, including complying with regulatory and utility industry changes.

Power System Dispatch Manager:

- Reports to Power System Operations Manager
- Develops and implements written operating plans, standards and procedures to be followed in operating SNR's transmission system and AGC functions.
- Prepares and issues normal and emergency operating orders and instructions for transmission system operations and AGC operations
- Supervises the review of all switching programs and procedures to assure that system stability, voltage, and reserve margins will be maintained
- Supervises the development of adequate scheduling for system operation to properly provide for maintenance, construction, and installation of new or replacement facilities
- Supervises preparation and reconciliation of all daily, monthly, and annual operating data and reports and collection and assembly of such data as necessary for

- operational studies, regulatory reporting, operating committee reporting
- Keeps SNR dispatch and system operation techniques up to date and compatible with other interconnected systems
- Recommends additions or changes in Supervisory Control and Data Acquisition equipment, operating devices and computer programs to improve automated system control, data acquisition, logging, and recording
- Participates in developing Western's Tariff, interconnection agreements, operating agreements, joint ownership agreements and facility agreements
- Directs preparation and submittal of transmission system data and reports to regulatory agencies and industry organizations
- Directs and coordinates transmission control room operations, including direct control, operation and reliability of the transmission system
- Directs dispatch operations, including control performance, interchange scheduling, and tie line metering
- Directs transmission dispatch operations, including switching activity, voltage control, and system restoration
- Manages staff and associated equipment, tools, space, and materials within the region
- Reviews transmission contracts and scheduling procedures to assure that system transfer capability will not be exceeded and that Reliability Council standards are maintained
- In collaboration with the Bureau of Reclamation, directs the overall actual daily CVP resource schedules to meet operating objectives
- Supervises preparation and reconciliation of all daily, monthly, and annual transmission scheduling data and reports and collection and assembly of such data as necessary for operational studies, regulatory reporting and operating committee reporting
- Keeps SNR scheduling techniques up to date and compatible with other interconnected systems
- Recommends additions or changes in transmission scheduling equipment and computer programs to improve automated system control, data acquisition, logging and recording
- Provides scheduling services to SNR customers
- Participates in developing Western's Tariff, interconnection agreements, operating agreements, joint ownership agreements and facility agreements
- Directs and participates in handling requests and approving or denying requests for transmission service agreements and develops transmission related rates and charges under the Tariff
- Directs posting of transmission service
- Maintains strict compliance with FERC Orders; NERC standards and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events

Supervisory Power System Dispatcher – Switching:

- Report to the Dispatch Manager
- Directs Transmission System dispatchers direct operations functions through supervisory control, substations, and switchyards
- Prepare and direct switching programs associated with Safe Clearance Procedure, Hot-Line Orders, Special Conditions, Special Work Permits, and general switching
- Monitor transmission equipment loading, such as transformers, transmission lines, and metering circuits
- Monitors and maintain system voltage and frequency
- Maintains operating procedures and business practices
- Prepares and issues normal and emergency operating orders and instructions for transmission system operations.
- Supervises the review of all switching programs and procedures to assure that system stability, voltage, and reserve margins will be maintained
- Supervises the development of adequate scheduling for system operation to properly provide for maintenance, construction, and installation of new or replacement facilities
- Directs and coordinates transmission control room operations, including direct control, operation, and reliability of the transmission system
- Maintains strict compliance with FERC Orders; NERC standards and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events.

Supervisory Power System Dispatcher – Automatic Generation Control:

- Report to the Dispatch Manager
- Directs Automatic Generation Control dispatchers
- Reviews normal and emergency operations to ensure compliance with NERC and WECC
- Coordinates unit outages with Outage Coordinator
- Directs operation of Reclamation hydroelectric power plants
- Operate Automatic Generation Control equipment to provide optimum operation of generation and transmission facilities
- Monitor and record equipment loading, such as, generators and metering circuits
- Maintain system frequency
- Participates on technical teams representing the dispatch group
- Prepare daily, weekly, monthly, and annual reports in regard to generation and other statistical information as required
- Perform real-time generator control dispatch
- Perform Power System Management tasks
- Maintains operating procedures and business practices
- Prepares and issues normal and emergency operating orders and instructions for AGC operations.
- Maintains strict compliance with FERC Orders; NERC standards and DOE/Western

policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance

- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events

Supervisory Power System Dispatcher – Transmission Scheduling:

- Report to the Dispatch Manager
- Directs Transmission Scheduling dispatchers
- Monitor and record tie-line loading, tie-line actual energy transfers, and hourly transmission schedules
- Implement procedures for transmission scheduling and sales
- Prepare daily, weekly, monthly, and annual reports in regard to transmission schedules, transmission sold, accumulated schedule deviations, performance reports, and other statistical information as required
- Determine ATC
- Post all ATC on the SNR OASIS
- Schedule transmission sales
- Make next-hour, daily- and long-term transmission sales
- Process requests for transmission and ancillary services and schedule SNR's transmission system
- Approve or deny requests for transmission services and responds to inquiries concerning transmission services
- Maintains operating procedures and business practices
- Prepares and issues normal and emergency operating orders and instructions for transmission scheduling operations
- Maintains strict compliance with FERC Orders; NERC standards and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events

Power System Dispatcher- Trainer:

- Reports to Dispatch Manager
- Develops, instructs, and monitors SNR's Switching and Clearance certification program for SNR operations supervisors, clearance supervisors, and switchmen
- Develops, instructs, and monitors SNR's Switching and Clearance certification program for non-SNR operations supervisors, clearance supervisors, plant operators, and switchmen
- Develops, instructs, and monitors SNR's dispatcher training program
- Administers SNR's dispatcher continuing education, tracks and assigns the requirements of the NERC continuing education program
- Responsible for maintaining training records and assignments for dispatch personnel
- Creates and presents system operations training as needed
- Develops, instructs, and monitors SNR's dispatcher trainee program

- Performs dispatcher's or other power system dispatcher duties as needed
- Maintains strict compliance with FERC Orders; NERC standards, and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events

Power System Dispatcher- Outage Coordinator:

- Reports to Dispatch Manager
- The position serves as the outage coordinator for Western's Operations functions
- Their duties include, planning, analyzing, and coordinating planned outages and switching activities.
- Facilitating transmission outages
- Developing, reviewing, and updating system drawings, diagrams, and operations guides
- Coordination of deployment of Balancing Area resources
- Completion of various assignments and special projects
- Receives requests and coordinates planned power system switching activities. This includes requests from internal personnel and external agencies
- Prepares and coordinates switching programs, as required, due to planned, urgent or forced outages on power system equipment
- Analyzes, defines, and coordinates implementation of new or upgraded facility additions to ensure they are properly integrated within the Federal transmission system
- Reviews and coordinates modifications, as necessary, to contracts, written agreements, operating plans, operating procedures, and other documents impacting the operation of Western's resources and transmission facilities
- In the analysis of both Western facilities and non-Western facilities embedded within the Federal transmission system, the incumbent reviews power system single line and schematic drawings for completeness and accuracy Recommends corrections and required changes to the appropriate entity
- Maintains strict compliance with FERC Orders; NERC standards and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events

Power System Dispatchers - Transmission System

- Report to the Transmission Supervisory Dispatcher
- Operates through supervisory control, substations, and switchyards
- Prepare and direct switching programs associated with Safe Clearance Procedure, Hot-Line Orders, Special Conditions, Special Work Permits, and general switching
- Monitor and record equipment loading, such as, transformers, transmission lines, and metering circuits
- Maintain system frequency and voltage

- Maintains strict compliance with FERC, NERC, and WECC standards for system reliability, coordinates SNR transmission operations with those of external utilities and the balancing authority area operator
- Makes timely electronic notification to interconnected system members via WECC net for routine or emergency outages which impacts the interconnected system
- Perform Power System Management tasks
- Maintains strict compliance with FERC Orders; NERC standards and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events.

Power System Dispatchers – Automatic Generation Control

- Report to the AGC Supervisory Dispatcher
- Direct operation of Reclamation and LSE power plants
- Operate Automatic Generation Control equipment to provide optimum operation of generation and transmission facilities
- Maintain system frequency
- Prepare daily, weekly, monthly, and annual reports in regard to generation, equipment outages, and other statistical information as required
- Establish emergency schedules as appropriate to compensate for immediate loss of resources
- Perform real-time generator control dispatch
- Perform Power System Management tasks
- Monitor and maintain system ACE
- Monitor and maintain system interchange
- Monitor and maintain system interties with utilities directly connected to Western's transmission system.
- Maintains strict compliance with FERC Orders; NERC standards, and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events

Power System Dispatchers - Scheduling

- Report to the Transmission Scheduling Supervisory Dispatcher
- Monitor and record tie-line loading, tie-line actual energy transfers, and hourly transmission schedules
- Implement procedures for transmission scheduling and sales
- Prepare daily, weekly, monthly, and annual reports in regard to transmission schedules, transmission sold, accumulated schedule deviations, performance reports, and other statistical information as required
- Determine ATC
- Post all ATC on the SNR OASIS
- Schedule transmission sales

- Make next-hour, daily- and long-term transmission sales
- Approve or deny requests for transmission services and responds to inquiries concerning transmission services
- Maintains strict compliance with FERC Orders; NERC standards, and DOE/Western policies, procedures, and guidelines. Takes prompt and appropriate action to maintain compliance
- Ensures the compliance of the directives issues by the Reliability Coordinator during both real-time and next day operating events

Operations Engineering & Planning Manager:

- Reports to Power System Operations Manager
- Manages work activities of personnel in Operations Engineering and Transmission System Planning providing coordination with other functional areas
- Directs long- and short-term transmission system planning and/or operations studies
- Monitor/report Regional and National reliability compliance
- Manage and track long/short-term transmission available transfer capability (ATC)
- Manage interconnection and transmission service feasibility, system impact and facility studies
- Directs the interconnection process and provides technical requirements for interconnection agreement
- Monitor transmission system performance for compliance with reliability criteria and recommend transmission system additions as necessary
- Participates in developing Western's Tariff, interconnection agreements, operating agreements, joint ownership agreements, facility agreements and regulatory filings
- Manage and maintain transmission interconnection and transmission service queue
- Represent the organization on reliability councils, regional planning and operations, the industry groups, and regulatory forums

Electrical Engineer/Power System Analyst

- Report to the Transmission System Planning Manager
- Prepare and review transmission system planning and/or operating studies to ensure compliance with the reliability criteria
- Perform transmission system planning and/or operating studies to determine operating limits and develop recommendations for additional facilities construction required to meet the reliability criteria
- Prepare, coordinate, and review generation interconnection studies
- Prepare, review, and coordinate planning for transmission system additions and modifications
- Participate in local and regional planning and operational study groups
- Prepare, review, and report economic analyses of system alternatives as determined by technical studies