

GENERATION BALANCING & INTERCHANGE OPERATOR

PRIMARY FUNCTION

Under general supervision complies with District Generation Balancing and Interchange standards and coordinates District operations; complies with Southwest Reserve Sharing Group contractual obligations; schedules Exported Internal Power Producers (IPP) generation exports to California Independent System Operator; complies with North American Reliability Council (NERC), Western Electricity Coordinating Council (WECC), and District operating policies and procedures and standards.

DISTINGUISHING CHARACTERISTICS

The incumbent is required to successfully pass both the North American Electric Reliability Council (NERC) and Western Electricity Coordinating Council (WECC) certification examination. Failure to achieve and maintain this certification will provide grounds for termination of employment.

Note: It will be the responsibility of all employees in this classification to report to emergency duty if called. Lacking a bona fide excuse satisfactory to supervision, a second failure to report when called could result in discharge.

ESSENTIAL DUTIES AND RESPONSIBILITIES

1. Assists the Transmission and Reliability Operator in implementing timely and appropriate actions during normal and emergency conditions, including shedding of firm load and voltage reductions to and Reliability Limits.
2. Controls generation, load and scheduled interchange in the Districts Balancing Authority Area.
3. Calculates area control error(s) within District Balancing Authority Area.
4. Reviews generation commitments, dispatch, outages and load forecasts and formulates an operational plan for reliability assessment.
5. Verifies ramping capability of source and sink Balancing Authority Areas for requested Interchange Schedules.
6. Authorizes implementation of Interchange Transactions from ramping ability perspective and interchange schedules.

7. Enters Interchange Transaction information into Energy Management and Reliability Assessment Systems.
8. Provides balancing and energy accounting data and administers inadvertent energy paybacks and maintains records of individual Interchange Transactions.
9. Monitors and reports control performance, disturbance recovery and provides frequency response.
10. Organizes Interconnected Operations Services and determines Interconnected Operation Services needs.
11. Collects and disseminates Interchange Transactions approvals changes and denials.

#### MARGINAL DUTIES AND RESPONSIBILITIES

Performs other duties as assigned.

#### SUPERVISORY RESPONSIBILITIES

Functionally supervises subordinates in emergency events and system restoration.

#### QUALIFICATIONS REQUIREMENTS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

#### EDUCATION, EXPERIENCE AND CERTIFICATION

A.S. degree in Business, Economics or Engineering and two years of experience in electrical power system operations.

Experience may be substituted for required education at a ratio of two years of experience for one year of education.

#### KNOWLEDGE OF

North American Energy Reliability Council ("NERC"), Western Electricity Coordinating Council (WECC) regulations, standards and certified as a result of passing examination; power system terminology; principles of electricity; mathematics; electric substation switching and dispatching operations; system control and data acquisition and automatic generation control; methods applied in

coordinating consumer and distribution requirements with generation sources; District service area; records management; personal computer and appropriate software; power distribution equipment and apparatuses; ten-key calculator; telephone etiquette; and safety rules and regulations.

#### GENERAL ABILITIES

Follow North American Electric Reliability Council (NERC), Western Electricity Coordinating Council (WECC) regulations and standards; exercise sound judgment and reasoning ability under normal and emergency conditions; perform computation and record data accurately; prepare logs, reports, and records; convey instructions accurately and expeditiously during emergency situations; understand safety rules, regulations and work safely; maintain effective relations with general public, private and/or public agency or utility representatives, and District employees; and work courteously and cooperatively with District employees, public and/or private agency representatives, power consumer, utility representatives, and the general public.

#### TOOLS AND EQUIPMENT USED

Computer monitor, keyboard, PC mouse, one-line and circuit maps, copy machine, fax machine, electronic ten-key calculator, telephone, cell phone, pagers, two-way radio, printer, logs, pen, pencil, manuals, hard hat, automobile.

#### LICENSING

A valid driver's license issued by the State of California, Department of Motor Vehicles is required.

North American Electric Reliability Council (NERC) - Certification  
Western Electricity Coordinating Council (WECC) - Certification

#### LANGUAGE SKILL

Ability to read, analyze, and interpret professional scientific and technical journals, financial reports, technical procedures, government regulations and legal documents. Ability to respond to inquiries or complaints from power customers, regulatory agency representatives, or members of the business community. Ability to effectively present information to public and/or private agency representatives, utility representatives, District employees, public advocacy groups, and District customers.

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Mathematical Skills

Ability to work with mathematical concepts such as probability and statistical interference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratio, and proportions to practical situations. Ability to apply energy accounting to daily negotiations.

REASONING ABILITY

Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

OTHER SKILLS AND ABILITIES

Must be able to work day, swing and night shifts on a rotating basis.

DEGREE OF PHYSICAL EFFORT - 3WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable qualified individual with disabilities to perform the essential functions.

While performing the duties of this job, the employee frequently is required to work in well-lighted large office environment with climatically controlled temperature in close building with no windows; the employee occasionally works near moving mechanical parts; the employee frequently is required to work with District personnel and other utility personnel.

The noise level in the work environment is usually moderate.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently required to see; the employee is frequently required to sit and reach forward with arms and use hands to fingers, handle, or feel objects, tools, or controls; the employee is frequently required to hear in person

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or over the telephone, two way radio, monitor telephone conversations, alarms, instructions and talk in person, over the telephone and two-way radio; the employee is frequently required to twist/turn while seated at chair.

The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.