

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Hydroelectric Plant Electrician I (SDS)		DWR POSITION NUMBER 2340-6455-280/2340-6455-084	SAP POSITION NUMBER 50002600/50098059	MCR 1
APPOINTEE Vacant		SAP PERSONNEL NO.	DIVISION/SECTION O&M/DFD/Plant Maint. Branch/Electrical Section	
COLLECTIVE BARGAINING IDENTIFIER Management Related BU: ☐ Supervisory Related BU: ☐ Confidential Related BU: ☒ Rank and File BU: R12				
RESPONSIBILITIES EXERCISED ☐ Supervisory ☐ Lead Person		IMMEDIATE SUPERVISOR (Print) Andrew Rios		SUPERVISOR'S CLASSIFICATION HEP Electrical Supervisor
APPROVED BY (Personnel Analyst's Name) Sydney Mecke				DATE 09/03/2026
<i>Percent of Time</i>	<i>Activity</i>			
	POSITION SUMMARY Under the direction of the Hydroelectric Plant (HEP) Electrical Supervisor and the guidance of Hydroelectric Plant Electrician II; safely performs electrical installations, maintenance, repair, modifications, and reconditioning of all electrical equipment and apparatus of a large hydroelectric installation in hydroelectric generating and/or pumping plants, aqueduct facilities and other related project facilities. May do general switching at remote unattended stations for the purpose of performing general maintenance.			
	ESSENTIAL FUNCTIONS This position requires that the incumbent work cooperatively with others, maintain regular, consistent, predictable attendance and exercise good judgment. Must be able to use electronic devices such as a mobile tablet to gather data and capture documentation while performing preventative maintenance work on equipment throughout the state water project. Use mobile tablet to perform routine SAP functions such as time recording, reservations, and work order notifications. The specific essential duties are, but not limited to, the following:			
45%	Performs the tasks of a journey level electrician in the maintenance and repair of all electrical equipment and apparatus of a large hydroelectric installation, ranging voltage from 24 volts up to 230,000 volts. This includes generators, transformers, pump-turbines, motors, switches, circuit breakers, CO2 fire protection systems, alarm systems, refrigeration, heating, ventilation, air conditioning systems, and all circuitry and electrical control devices associated with this equipment. Troubleshoots malfunctions of electrical systems, and determines corrective action to be taken.			
35%	Works in close coordination with respective lead person, estimates job repair time and equipment needed. Required to work from blueprints, wiring diagrams, sketches, or verbal direction. Performs preventive maintenance procedures working with minimum supervision, and with journey persons or apprentices from other disciplines that require multiple craft assignments. Works with			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print) Andrew Rios		SUPERVISOR'S SIGNATURE ➤		DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.				
EMPLOYEE'S NAME (Print) Vacant		EMPLOYEE'S SIGNATURE ➤		DATE

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Vacant			O&M/DFD/Plant Maint. Branch/Electrical Section	
Percent of Time	Activity			
Cont'd	other electricians, lead-people, the Hydroelectric Plant Electrical Supervisor, and other field division personnel; assists in equipment testing done by technicians.			
10%	Trains apprentices in safe work practices; electrical maintenance troubleshooting, repair, and practical hands-on experience.			
5%	Keeps simple records and/or makes reports, makes diagrams and sketches, and suggests selections of electrical materials.			
5%	May exercise lead responsibility for Electrical Apprentice and act for Hydroelectric Plant Electrician II during absences.			
SPECIAL REQUIREMENTS				
All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination.				
Stamina to climb stairs, ladders, scaffolding, and 50-foot towers. Strength to pull cables and move gas cylinders, tools, equipment, or heavy parts up to 50 pounds. Able to identify color-coded wires, indicating lights, piping systems, and hazard warning signs. Manual dexterity needed to use hand tools, solder, and terminate electrical connections. Ability to stoop, bend, kneel, and work in confined spaces. Must be available for off-peak operations, maintenance or emergency repairs.				
Required to attend the Division's OP-2 class and be certified as a worker and/or switch person, in compliance with State Water Project regulations.				
This is a sensitive position and is subject to substance abuse testing set forth in California Department of Human Resources (Cal-HR) Regulations 599.960-599.966.				
Must possess a valid California Driver's License to travel from plant to plant and within the State Water Project including driving a vehicle on public roadways will be required.				
Employee is required to successfully complete all safety training related to the functions of the job.				
Under the provisions of the North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection Standard CIP-004 as part of the Energy Policy of 2005, this position has authorized cyber access to or unescorted physical access around critical cyber assets and is subject to a satisfactory background check prior to appointment and every seven years thereafter.				
This position is not eligible for telework.				

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<i>Percent of Time</i>	<i>Activity</i>				
	OTHER RESPONSIBILTIES This position provides necessary support to the Divisions of Flood Management, Safety of Dams, Operations and Maintenance, Engineering, and/or the Public Affairs Office during Governor declared emergencies, flood, dam, SWP, and other incidents and emergencies. Additionally this position may participate in emergency operations in the capacity of area teams, field inspection, coordination, and assist agencies such as the Cal OES and FEMA in disaster work, including performing fieldwork to complete damage survey reports for droughts, flooding, earthquakes, and other emergencies. This position may also serve in one of the sections as established in the Incident Command System to assist the Department in performing its emergency preparedness, response, recovery, and mitigation functions. These functions are established in the California State Emergency Plan and the Department's Administrative Orders.				

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Hydroelectric Plant Electrician I (SDS)		DWR POSITION NUMBER 2340-6455-287&2340-6455-289	SAP POSITION NUMBER 50099307& 50062137	MCR 1
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