State *of* California
Selection Services Office

Department *of* Water Resources

Examination Bulletin

P.O. BOX 942836
Sacramento, CA 94236

HYDROELECTRIC PLANT TECHNICIAN I

EXAM CODE:	*6WR60*
EXAM TYPE:	*OPEN/NON-PROMOTIONAL*
LOCATION:	*STATEWIDE*
SALARY INFORMATION:	*RANGE A: $5168 - $6525*
	RANGE B: $6269 - $7934
CLASS & SCHEM CODE:	*3728 HQ90*
BULLETIN RELEASE DATE:	*JANUARY 10, 2017*

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EQUAL OPPORTUNITY & DRUG FREE STATEMENTS

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation. It is the objective of the State of California to achieve a drug-free work place. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

FINAL FILING DATE

JANUARY 27, 2017

Examination Applications (STD 678) must be postmarked or submitted in person no later than the final filing date. Applications postmarked or submitted after 4:30pm on the final filing date will not be accepted for any reason. Dates printed on Mobile Bar Codes, such as the Quick Response (QR) Codes available at the USPS, are not considered Postmark dates for the purpose of determining timely filing of an application. Faxed or emailed applications will not be accepted.

WHO SHOULD APPLY

Applicants, who meet the minimum qualifications of the classification, as stated on this examination bulletin, may apply.

HOW TO APPLY

It is the personal responsibility of each examination candidate to submit their application materials within the timeframe and in the manner specified on this examination bulletin. Examination Applications (STD 678) may be mailed or submitted in person by the final filing date to:

MAILING ADDRESS:

Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

OR

SUBMIT IN PERSON:

Department of Water Resources
1416 9th Street, Room 320
Sacramento, CA 95814

DO NOT MAIL OR SUBMIT APPLICATIONS TO THE CALIFORNIA DEPARTMENT OF HUMAN RESOURCES OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES.

Examination Applications must be dated and signed with an original signature. Applications must include "to" and "from" dates (month/day/year), time base, and position titles. Applications received without this information will be rejected. Resumes and other attachments will not be accepted in lieu of a completed application.

IDENTIFICATION REQUIRED

Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.

SPECIAL TESTING INFORMATION

If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the Examination Application (STD 678). You will be contacted to make specific arrangements.

EXAMINATION INFORMATION

This examination will consist of a **Written Test** scored **pass/fail** and a **Qualification Appraisal Interview** weighted **100%**. In order to obtain a position on the eligible list, a minimum rating of 70% must be attained in each testing phase of the examination. Competitors who do not appear for either testing phase will be disqualified.

EXAMINATION DATE(S)

The written test day will be **March 4, 2017**.

It is anticipated that interviews will be held during **April/May 2017**.

ELIGIBLE LIST INFORMATION

An open/non-promotional list will be established for the Department of Water Resources.

The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

POSITION DESCRIPTION

A Hydroelectric Plant Technician I, under close supervision and then under general supervision, performs the more routine and basic preventive and corrective maintenance tasks associated with protection schemes, monitoring and control equipment, communications and security systems, metering, sensors, computerized and related equipment used in State Water Project (SWP) generating/pumping plants, switchyards, and water conveyance facilities; performs shop or field work as needed to install, calibrate, maintain, operate, troubleshoot, repair, and test electrical, electronic, and electromechanical equipment and devices; and does other related work.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

All applicants must meet the minimum qualifications for this examination by the final filing date.

Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as “Either” I, “or” II, “or” III, etc. For example, applicants who possess qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.

Education:

Completion of an approved two-year (60 semester or equivalent quarter units) technical curriculum in electrical, electronic, mechanical, or computer-science technology at the community college level, or equivalent. (Electrical, electronic, mechanical, or computer-science work experience in an electrical utility or equivalent industrial or military facility, may be substituted for the required education on the basis of one year of experience being equivalent to 15 semester units.)

Applicants qualifying under an education requirement MUST provide a copy of their college diploma and/or transcripts (unofficial are acceptable) by the final filing date as proof of completion of the required education. Applicants who fail to provide proof of completion of the required education will be eliminated from the examination.

SCOPE OF EXAMINATION

In addition to evaluating the competitors' relative abilities as demonstrated by the quality and breadth of experience, emphasis in the examination will be on measuring competitively, relative to job demands, each competitor's:

Knowledge of:

1) Mathematics, algebra, trigonometry, and Boolean logic to solve electrical and electronic problems.
2) Use of test equipment and diagnostic devices (ex. oscilloscopes, multi-meters, counters, power system, logic, and network analyzers) to determine, diagnose, and isolate problems or malfunctions.
3) Electrical and electronic theory and its application to solve electrical and electronic system problems.
4) Testing, maintaining, and repairing electrical and electronic equipment.
5) Technical drawings (ex. one line diagrams, schematics, wiring diagrams, logic diagrams).
6) Color code standards for electrical wiring and components used in the manufacture, configuration, and repair of electrical equipment.
7) Instrumentation for measuring flow, level, position, temperature, pressure, speed, and vibration.

Ability to:

1) Solve electrical and electronic problems.
2) Use a personal computer for standard office applications and specialized troubleshooting.
3) Work in an environment that requires strict adherence to instructions, standards, and procedures.
4) Follow written and oral instructions for completing work tasks.
5) Determine, diagnose, and isolate problems or malfunctions in order to make necessary repairs.
6) Apply electrical and electronic theory and application to solve electrical and electronic problems and to test, maintain, and repair electrical components, equipment, and systems.
7) Read and interpret technical drawings, documentation, and procedures for testing and repairs, and to interpret test results.
8) Comprehend policies, procedures, orders, rules, and other related written documents/materials to perform the duties of the job.
9) Wire components and equipment following wiring diagrams or schematics.
10) Apply safety and security practices.

SPECIAL CHARACTERISTICS

Legally operate a motor vehicle; maintain cooperative working relationships with co-workers; pay close attention to detail in order to ensure the completeness and accuracy of work performed by oneself and/or others; work as a team when necessary to complete the duties of the job in a cohesive and professional manner; work quickly and accurately in a high-pressure work environment; be reliable and dependable to properly perform job duties.

SPECIAL REQUIREMENTS

The North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) Standard CIP-004 that is part of the Energy Policy Act of 2005 requires the completion of a thorough background investigation. Persons convicted of a felony may not be eligible to compete for, or be appointed to, positions in this class. Under the provisions of NERC CIP Standard CIP-004, any persons unsuccessful in the background investigation may be disqualified from having authorized cyber or authorized unescorted physical access to Critical Cyber Assets (CCA's).

VETERANS PREFERENCE

Assembly Bill 372, signed into law by Governor Brown on August 12, 2013, changes the way the Veterans Preference process is administered by the State of California. Veterans Preference will be awarded as follows, starting on January 1, 2014: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for Veteran's Preference. 2) An entrance exam is defined, under law, as any open competitive examination. 3) Veterans Preference is not granted once a person achieves permanent civil service status.

The California Department of Human Resources (CalHR) has information on how to apply for Veterans Preference on their website at www.jobs.ca.gov and on the Application for Veterans Preference form (CalHR 1093). Additional information is also available at the Department of Veterans Affairs website at www.cdva.ca.gov.

CAREER CREDITS

Career Credits will be granted.

GENERAL INFORMATION

The Department of Water Resources reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.
For an examination with a written feature, it is the candidate's responsibility to contact the Department of Water Resources seven days prior to the test date if he/she has not received his/her notice. For an examination without a written feature it is the candidate's responsibility to contact the Department of Water Resources at (916) 653-4838, TDD (916) 653-1804, three weeks after the final filing/cut-off date if he/she has not received his/her notice.
Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, and California Human Resources (CalHR) at www.jobs.ca.gov.
If you meet the requirements stated on this bulletin, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.
General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.
Examination Locations: When a written or performance test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.
If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.
Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.
Promotional Examinations Only: Competition is limited to employees who have a permanent civil service appointment. Under certain circumstances other employees may be allowed to compete under provisions of Rules 234, 235, 235.2. State Personnel Board Rules 233, 234, 235, 235.2 and 237 contain provisions regarding civil service status and eligibility for promotional examinations. These rules may be reviewed at departmental personnel offices or at the Information Counter of State Personnel Board offices.
TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. **California Relay Telephone Service** for the Deaf or hearing impaired: From TDD phones: 1-800-735-2929; From Voice phones: 1-800-735-2922.

CONTACT INFORMATION

For information regarding this examination, please contact Teresa Bullock at (916) 653-6330.