



FORESTRY FIRE PILOT

Exam Code: 4FS02

Department(s):	Department of Forestry & Fire Protection
Opening Date:	12/02/2013
Closing Date:	12/30/2013
Type of Recruitment:	Open
Salary:	MONTHLY-RANGED-SALARY \$5,141.00 - \$6,611.00
Employment Type:	Permanent Full-time Permanent Part-time Permanent Intermittent Limited Term Full-time Limited Term Part-Time Limited Term Intermittent
Exam Type:	Statewide

EEO

An equal opportunity employer to all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

DRUG FREE STATEMENT

It is an objective of the State of California to achieve a drug-free state 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.

WHO SHOULD APPLY?

Applicants who meet the minimum qualifications. This is an open examination. Applications will NOT be accepted on a promotional basis.

FILING INSTRUCTIONS

Final Filing Date: **December 30, 2013**

Examination/Employment Application (STD. 678) is available at the California Department of Human Resources' website at www.jobs.ca.gov. Examination/Employment Application (STD. 678) may be submitted by mail or delivered in person.

Note: Applications **will not** be accepted via e-mail. DO NOT SUBMIT APPLICATIONS TO THE CALIFORNIA DEPARTMENT OF HUMAN RESOURCES.

MAIL:

Department of Forestry and Fire Protection
Examination Unit – (Attention: Carol Anderson)
P.O. Box 944246
Sacramento, CA 94244-2460

SUBMIT IN PERSON:

Department of Forestry and Fire Protection
Examination Unit – (Attention: Carol Anderson)
1300 U Street
Sacramento, CA 95818

Applications postmarked or personally delivered after the final filing date, **December 30, 2013**, will not be accepted for any reason.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special testing arrangements, mark the appropriate box on the application and/or contact the Department of Forestry and Fire Protection at (916) 445-7801.

SALARY INFORMATION

\$5,141.00 - \$6,611.00

ELIGIBLE INFORMATION

An open eligible list will be established for the Department of Forestry and Fire Protection. This 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.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

All applicants must meet the education and/or experience requirements for this examination by **December 30, 2013**, the final filing date.

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

All applications/resumes must include "from" and "to" employment dates (month/day/year), time base, and applicable civil service class titles. Applications/resumes received without this information will be rejected.

MINIMUM QUALIFICATIONS

Licenses: Possession of a valid Federal Aviation Agency (FAA) Commercial Airman Certificate with rotorcraft-helicopter rating or a valid FAA Airline Transport Pilot's Certificate with a rotorcraft- helicopter rating.

and

Possession of a valid and current Class II Airman's Medical Certificate issued by an FAA authorized medical examiner.

and

Possession of a valid driver license of the appropriate class issued by the Department of Motor Vehicles. Applicants who do not possess this license will be admitted to the examination but must secure the license prior to appointment.

and

Experience: Applicants must have logged at least 2,000 hours of pilot-in-command flying helicopters, which must include the following:

1. At least 500 hours of mountain pilot-in-command helicopter flight time, routinely making landings in mountainous terrain above 4,000 feet MSL.
2. At least 500 hours of turbine helicopter time as pilot-in- command.
3. Two hundred and fifty hours as pilot-in-command of helicopters performing low level missions in fire control, map survey, powerline patrol, search and rescue, and spray or seeding operations over mountain or forested or comparable military operations.
4. At least 100 hours as pilot-in-command in helicopters carrying sling loads.
5. At least 50 hours as pilot-in-command in helicopters in the past year.

NOTE: APPLICANTS MUST SUBMIT A COPY OF THEIR FEDERAL AVIATION (FAA) COMMERCIAL AIRMAN CERTIFICATE WITH A ROTORCRAFT-HELICOPTER RATING OR A COPY OF THEIR FAA AIRLINE TRANSPORT PILOT'S CERTIFICATE WITH A ROTORCRAFT-HELICOPTER RATING.

APPLICANTS MUST ALSO SUBMIT A COPY OF THEIR CURRENT CLASS II AIRMEN'S MEDICAL CERTIFICATE.

NOTE: THE FOLLOWING INFORMATION MUST BE SHOWN ON YOUR APPLICATION OR AN ATTACHMENT.

THE FOLLOWING INFORMATION MAY BE SUBJECT TO VERIFICATION FOR APPLICATION REVIEW PROCESS AND/OR CANDIDATES MAY BE REQUIRED TO BRING SUPPORTING DOCUMENTATION TO THE QUALIFICATIONS APPRAISAL INTERVIEW.

APPLICANTS MUST STATE ON THEIR APPLICATION WHAT RECORDS WERE USED TO PROVIDE THE PILOT-IN-COMMAND FLIGHT HOURS (I.E., LOG BOOK, EMPLOYERS' RECORDS, ETC.).

Records used to provide these hours _____

Helicopter Pilot-In-Command (PIC) Flight Hours:

PIC Total Time	_____	hrs.
PIC Mountain Terrain	_____	hrs.
PIC Turbine Time	_____	hrs.
PIC Low Level Flight	_____	hrs.
PIC Sling Loads	_____	hrs.
PIC in Past Year (01/01/13-12/31/13)	_____	hrs. **

**You must list on your application or an attachment your helicopter PIC hours per month for each month beginning with January 2013 through December 2013.

ADDITIONAL DESIRABLE QUALIFICATIONS

Forest-firefighting experience with helicopters is desirable.

POSITION DESCRIPTION

Under general direction, throughout the State, to pilot a helicopter over all types of terrain; to assist in all aspects of fire prevention, suppression, and vegetation management; to perform required preventive maintenance on helicopters; and to do other related work.

EXAMINATION INFORMATION

Qualifications Appraisal Interview: It is anticipated that interviews will be held during **February/March 2014**.

The examination will consist of a qualifications appraisal interview weighted 100%. The interview will include a number of predetermined job-related questions. In order to obtain a position on the eligible list, a minimum rating of 70% must be attained. **CANDIDATES WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.**

KNOWLEDGE, SKILLS, AND ABILITIES

Scope:

- A. Knowledge of:
 1. Safe helicopter operating procedures as defined in the Federal Aviation Regulations, the helicopter manufacturer's guidelines, and Department policies and procedures to pilot the aircraft safely.
 2. CAL FIRE, Federal Aviation Regulations, and other regulations governing aircraft operation and maintenance (e.g., United States Forest Service, Bureau of Land Management, Bureau of Indian Affairs, California Department of Transportation) to pilot the aircraft safely.
 3. The Federal Aviation Regulations as they relate to helicopters to pilot the aircraft safely.
 4. Knowledge of the aircraft and its systems as outlined within the manufacturers Pilot Operating Handbook to be familiar with the helicopter (e.g., limitations, performance, systems description) to pilot the aircraft safely.

5. Global Positioning System operations to use for navigation in flight.
6. Radio operation to ensure in-flight communication and safety.
7. Proper radio communication to give accurate and pertinent information.
8. Wild land fire behavior to assist with fire suppression.
9. Weather as it relates to fire (e.g., thunderstorms, high winds, low humidity) to assist in fire suppression.
10. The different types of fuel and how they burn (e.g., grass, brush, trees) to assist with fire suppression.
11. Fundamental firefighting tactics as defined in Department policies and procedures to assist with fire suppression.
12. Tactical flying (e.g., confined areas, slope, mountainous terrain) to ensure safe aerial fire fighting.
13. Weather (e.g., temperature, turbulence, wind) as it relates to safe aviation.
14. California environments (e.g., flying conditions, terrain, weather) to be informed and prepared for safe aviation and aerial fire fighting.
15. Required maintenance (e.g., adding fluids, engine wash, perform 25 hour inspection) on the helicopter to ensure air worthiness and flight safety.
16. Helicopter capabilities and limitations to pilot the aircraft efficiently and safely.
17. Helicopter performance in hot temperatures and high altitude conditions with maximum loads onboard to pilot aircraft safely.
18. Basic helicopter systems (e.g., electrical systems, hydraulics, turbine engines) and operating procedures to be familiar with the helicopter.
19. All basic required licenses to maintain Department required certification.
20. How to land at off airport sights (i.e., remote and rural areas) to deliver fire fighting crews, supplies, and equipment to wild land fires.
21. Low level flying to fight fires, obtain water from a water source (e.g., lake, river, pond), and for search and rescue missions.
22. Crew resource management procedures (e.g., interpersonal communication, leadership, decision making) to improve air safety.
23. Aeronautical principals (e.g., aerodynamics, weight and balance, stability and control) to ensure flying performance and safety.
24. Your physical and psychological state as it relates to flying and safety.
25. Helicopter emergency procedures to ensure survivability in the event of an in-flight emergency.
26. Mountain flying to navigate in mountainous terrain and at various altitudes to pilot the helicopter safely.
27. Preflight inspection (e.g., which items need to be inspected, the reasons for checking each item, how to detect possible defects) to successfully complete a preflight inspection facilitating safe air travel.
28. Preflight preparation (e.g., fuel requirements, Notice to Airmen, weather) to facilitate safe air travel.

B. Skill to:

1. Pilot a helicopter to commercial standards to achieve the Department's mission safely and efficiently.
2. Safely operate a helicopter using all known devices and attachments associated with helicopter forestry firefighting while conducting Department missions to make correct and sound decisions on their use in practical applications.
3. Safely operate a heavily loaded helicopter in a very harsh and changing environment to support the fire fighting mission and crew.
4. And coordination to perform technical maneuvers (e.g., hover steps, air rescue, steep approach) in adverse wind conditions and mountainous terrain.
5. Perform confined area operations to safely fly in areas where the flight of the helicopter is limited in some direction by the presence of obstructions, natural or manmade (e.g., clearing in the woods, mountain, building roof).
6. Perform pinnacle operations to safely fly in areas where the surface drops away steeply on all sides.
7. Stable hover as required for helistep and air rescue operations.
8. Perform water-dropping operations by accurately dropping water on fire to assist with fire suppression.
9. Perform fire retardant-dropping operations by accurately dropping retardant on fire to assist with fire suppression.
10. Perform emergency maneuvers (e.g., engine failure, stuck pedal, hydraulic failure).
11. Perform reconnaissance flights (i.e., visual investigating) to assist with fire prevention and suppression.
12. Perform night flying operations to operate a helicopter with little or no light.
13. Multitask while piloting the helicopter by communicating with numerous radios, aircraft, and ground personnel to cooperate on various assignments.

C. Ability to:

1. Safely operate a helicopter over all types of terrain (e.g., mountains, water, heavily wooded areas) to achieve the Department's mission while maintaining safety.
2. Safely operate a helicopter under hazardous conditions (e.g., high gross weights, extreme temperatures, congested air space) to achieve the Department's mission while maintaining safety.

3. Understand and comply with all applicable Federal Aviation Regulations and Department regulations to facilitate safe aviation.
4. Pass the Federal Aviation Agency Class II flight physical to maintain certification and safety.
5. Operate helicopter according to commercial standards using the Federal Aviation Agency Pilot Practical Test Standards to facilitate safe aviation.
6. Maintain Department required flight currency according to the Federal Aviation Regulations to maintain a level of proficiency and safety.
7. Follow correct administrative and operational chain of command (i.e., Department policies).
8. To pass an interagency fire pilot check-ride to maintain certification.
9. To land at off airport sights to deliver crews and cargo to incidents.
10. Verbally communicate effectively to work in cooperation with others.
11. Operate an aircraft radio to communicate with air traffic controllers and ground personnel.
12. Get along well with others during long hours and in close quarters when not working active fires.
13. Accept input from crew members and other aircraft in the Fire Traffic Area to avoid conflict.
14. Effectively direct crewmembers in fast changing and dangerous conditions onboard helicopter to ensure safety.
15. Effectively interact with various professionals on a fire to ensure an efficient operation.
16. Use sound reasoning and good decision making to ensure safety.
17. Pay attention to details (i.e., situational awareness) to pilot the helicopter safely.
18. Be aware of your surroundings to pilot the helicopter safely.
19. Fly external loads to transport water, supplies, equipment, and individuals.
20. Identify risk in daily operations ensuring overall safety.
21. Decline flight operations that have unacceptable risk levels to ensure safe operations.
22. Recognize and be aware of your own limitations as they relate to aviation to ensure safety.
23. Lift, climb, reach, and bend as required to perform duties such as preflight inspections and cargo handling.
24. Communicate effectively using aviation and fire terminology.
25. Listen to others to enable the open exchange of ideas and provide for an effective means of communication.
26. Read, write, and comprehend English to exchange information and accomplish daily activities in accordance with Federal Aviation Regulations and Department policies and procedures.
27. Perform job duties during emergency situations with little or no input from others in decisions made, tasks completed, and/or prioritization of tasks to be complete.
28. Navigate using maps, airway manuals, and charts to plot a course.
29. Provide training regarding helicopter operations to ensure safety in and around the helicopter.
30. Perform aerial maneuvers (e.g., high altitude takeoffs, confined area operations, out of ground effect hover) to effectively perform the duties of the Forestry Fire Pilot.
31. Complete assignments thoroughly and on time.

VETERANS PREFERENCE

Veterans' preference credits will be added to the final score for all competitors who are successful in this examination and who qualify for, and have requested these points. **VETERANS WHO HAVE ACHIEVED PERMANENT CIVIL SERVICE STATUS ARE NOT ELIGIBLE TO RECEIVE VETERANS' CREDITS.**

CAREER CREDITS

Career Credits are not granted in open examinations.

PERSONAL CHARACTERISTICS

SPECIAL PERSONAL CHARACTERISTICS

Keenness of observation, mental alertness, tact, and good physical condition; Willingness to work long and irregular hours including weekends and holidays; willingness to accept shift changes; willingness to work in non ideal environments (e.g., hot, smoky, low visibility, stressful); willingness to stay in good physical condition; willingness to accept assignments that will take you away from home and from your home base; willingness to periodically live in a station environment; willingness to operate a helicopter for extended periods of time in the shaded area of the height versus velocity curve; willingness to maintain a neat personal appearance to comply with Department grooming standards; willingness to operate a helicopter in personal protective equipment in extreme heat environment.

CONTACT INFORMATION

Department of Forestry and Fire Protection
P.O. Box 944246
Sacramento, California 94244-2460
(916) 445-7801

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device
1 (800) 735-2929 (TT/TDD) 1 (800) 735-2922 (Voice)
STS is Speech-to-Speech Service for persons with a speech disability and is reachable at
1 (800) 854-7784 (California) or 1 (800) 947-8642 (Nationwide)

DISCLAIMER

Please go to the following website to review the official California Department of Human Resources (CalHR) class specification: <http://www.calhr.ca.gov/state-hr-professionals/pages/1046.aspx>

GENERAL INFORMATION

For an examination with a written feature, it is the candidate's responsibility to contact the Department of Forestry and Fire Protection, (916) 445-7801, three days prior to the written test date if he/she has not received his/her notice of appointment.

For an examination without a written feature, it is the candidate's responsibility to contact the Department of Forestry and Fire Protection three weeks after the final filing date if he/she has not received his/her notice.

If a candidate's notice of oral interview or performance test fails to reach him/her three days prior to their scheduled appointment due to a verified postal error, he/she will be rescheduled upon written request.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. However, locations of interviews or performance evaluations may be limited or extended as conditions warrant.

Applications are available online at CalHR, local offices of the Employment Development Department and the testing Department on this job bulletin.

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. Your performance in the examination will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

The testing Department 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.

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. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) Departmental promotional, 3) multi-Departmental promotional, 4) service-wide promotional, 5) Departmental open, 6) open. 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 the bulletin.

Promotional Examinations Only: Competition is limited to employees who have a permanent civil service appointment and military veterans that meet all the minimum qualifications. Under certain circumstances, other employees may be allowed to compete under provisions of Rules 234, 235, and 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 www.jobs.ca.gov.

If High School Equivalence is Required: Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) Test; 2) completion of 12 semester units of college work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.

Veterans' Preference Points: California Law (Government Code 18971-18978) allows the granting of Veterans' Preference Points in open entrance and open, non-promotional entrance examinations. Veterans' Preference Points will be added to the final score of all competitors who are successful in these types of examinations, and who qualify for, and have requested these points by mail. **In open (only)** entrance examinations, Veterans' Preference Points are granted as follows: 10 points for veterans, widows, and widowers of veterans, and spouses of 100% disabled veterans (5 points for widows, widowers, and spouses if the veteran was in the National Guard); and 15 points for disabled veterans. **In open, non-promotional** entrance examinations, Veterans' Preference Points are granted as follows: 10 points for veterans and 15 points for disabled veterans. Employees who have achieved permanent State civil service status are not eligible to receive Veterans' Preference Points. "Permanent State civil service status" means the status of an employee who is lawfully retained in his/her position after completion of the applicable probationary period. This includes permanent intermittent, part-time, and full-time appointments. In addition, individuals who at any time achieved permanent State civil service status and subsequently resigned, or were dismissed from State civil service are not eligible to receive Veterans' Preference Points. Veteran status is verified by the State Personnel Board (SPB). Directions to apply for Veterans' Preference Points are on the Veterans' Preference Application (STD. Form 1093), which is available at www.jobs.ca.gov or the Department of Veterans Affairs.

Career Credits: In open, non promotional examinations, career credits are granted to: 1) State employees with permanent civil service status, 2) full-time employees of the State who are exempt from State civil service pursuant to the provisions of Section 4 of Article VII of the California Constitution, and who meet all qualification requirement specified by the Board and have 12 consecutive months of service in an exempt position, and 3) individuals who have served one full year in, or are graduates of, the California Conservation Corps (eligibility shall expire 24 months after graduation from the California Conservation Corps). Three points are added to the final test score of those candidates who meet the above criteria, and who are successful in the examination. Such examinations cannot be for managerial positions described in Government Code Section 3513. Competitors not currently employed in State civil service who have mandatory reinstatement rights may also be eligible for career credits, but they must explain their service status in the appropriate section of the Examination/Employment Application. (STD. 678).

Felony Disqualification: You are disqualified from being employed as a peace officer if: 1) you have been convicted of a felony in California or any other State; 2) you have been convicted of any offense in any other State which would have been a felony if committed in California; 3) you have been charged with a felony and adjudged by a superior court to be mentally incompetent; 4) you have been adjudged addicted or in danger of becoming addicted to narcotics, convicted, and committed to a State institution. If you have been convicted of a felony, you may be allowed to participate in this examination if your conviction(s): 1) has/have been sealed under Penal Code Section 851.7, 851.8, 1203.45, or Health and Safety Code Section 11361.5; 2) has/have been expunged or is/are expugnable pursuant to Health and Safety Code Section 11361.5 regarding marijuana offenses; 3) was/were stipulated or designated to be a lesser included offense of marijuana possession under Health and Safety Code Section 11557 or 11366.

Confidentiality and Security: Pursuant to Government Code Sections 19680(c) and 19681(b) it is unlawful to copy and/or furnish confidential examination material for the purpose of either improving or injuring the chances of any person or to obtain examination questions or other examination material before, during, or after an examination. Every person violating these provisions is guilty of a misdemeanor, and adverse action will be pursued. This may result in the person being barred from competition in future examinations, withheld from certification lists, or cancellation of eligibility for employment in State civil service.