



City of Milpitas

We invite applications for the position of: Fire Protection Engineer

Annual Salary Range: \$124,772.19 - \$150,994.48

Post Date: March 21, 2019

Close Date: **Until Filled**

Why Milpitas?

Located at the southern end of San Francisco Bay, Milpitas is a progressive community that is an integral part of Silicon Valley. As a full-service city of 389 full-time employees with water utility, sewer utility, police and fire services, Milpitas serves a diverse population of nearly 80,000. The city has an annual \$191 million operating budget and a \$315 million capital improvements budget.

Milpitas is the eighth-fastest growing city in the United States according to the US Census, and the second-fastest in California. It has the third highest job growth among the 515 qualifying cities rated by Wallet Hub. The homeownership rate is close to 70%, and the Milpitas housing market remains relatively affordable in Santa Clara County. Milpitas is often called the "Crossroads of Silicon Valley" with most of its 14 square miles situated between two major freeways (I-880 and I-680), Route 237, and a County expressway. In June 2018, Livability Magazine ranked Milpitas fifth by out of more than 2,000 American cities for "[Best Cities for STEM Workers](#)."

We encourage you to check us out at: <http://www.ci.milpitas.ca.gov/>

The Opportunity

The Fire Protection Engineer performs plans examination to insure compliance with technical codes, applicable laws, state regulations, and city ordinances. The incumbent will assist Fire Prevention Inspectors in resolving life safety, fire protection, and detection systems problems, and the storage and/or use of hazardous materials.

This is a journey level classification where incumbents possess the applicable educational and training background, appropriate certificates, licenses and practical work experience. This classification receives direction from the Fire Marshal and/or the Assistant Fire Marshal.

What You Will Do

Duties may include, but are not limited to the following:

- Develop guidelines to assist applicants with the fire permit process.
- Perform plans examination concerning the construction or alteration of industrial, commercial, and residential structures to determine compliance with applicable codes, laws, and regulations.



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- Check fire sprinkler, fire alarm, and other fire protection and detection system plans for compliance with the Building, Fire, and Mechanical Codes, nationally recognized standards and other related codes.
 - Review and evaluate plans for occupancies that fall under Title 19 (State Fire Marshal requirements) and Title 24 (Building Standards).
 - Review and evaluate plans for special occupancies licensed care facilities and special events for fire permits.
 - Examine plans for industrial facilities using hazardous materials to determine if storage, use, and disposal are in accordance with state laws and regulations, city ordinances, and other applicable codes and standards.
 - Answer questions and give direction to architects, engineers, contractors, and owners regarding fire department requirements and the application of the fire and building codes.
 - Review site plans to determine if there is adequate fire department vehicle access, and if there is a public and private water supply.
 - Issue permits after plan review approval.
 - Consult with Fire Prevention Inspectors regarding plan review related problems.
 - Make independent analysis as required.
 - Make field inspections, as needed: life safety, fire protection and detection systems.
 - Prepare plan review correspondence.
 - Prepare technical fire code research and evaluation reports. Render code interpretation.
 - Keep informed regarding applicable laws, ordinances, regulations and standards. Assist in the code development and adoption process.
 - Conduct in-house training for suppression and bureau personnel covering life safety, fire protection, and fire detection systems.
 - Participate in the development and evaluation of fire permit process, inspection process, and computerized technology to modernize and update procedures as needed.
 - Perform other duties as required.

Experience and Education

Three (3) years of responsible experience performing plan checks related to fire protection, or design and application of processes, storage, use, and disposal of hazardous materials.



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Equivalent to a Bachelor of Science degree in Fire Protection, Industrial, Mechanical, Civil Engineering, Architecture, or another related field.

License and Other Requirements

Possess and maintain an appropriate, valid California Driver's License.

Complete Fire Inspector 1 class series within 18 months of appointment.

Possess current CA State Professional License FPE, Mechanical, Architect, or another related field is highly desirable.

ICC CA Building Plans Examiner Certificate is highly desirable.

Special Requirements

Essential duties require the following physical and work environment. Ability to work in a standard office environment; ability to perform new development field inspections and annual life safety inspections; sit and/or stand for long periods of time, repetitive keyboarding; reach, squat, lift, and carry up to 25 pounds; able to travel to various locations within and outside the City of Milpitas.

Selection Process

Applicants whose qualifications best meet our current needs will be invited to participate in the selection process that may consist of an assessment of the candidate's written skills, computer skills, and an oral board interview. Meeting the minimum requirements listed in this job description does not guarantee advancement in subsequent phases of the selection process.

To Apply

Submit application, supplemental questions, resume, and copies of required certificates online at www.calopps.org or to the Human Resources Department, City of Milpitas, 455 E. Calaveras Blvd, Milpitas, CA 95035, (408) 586-3090.

A complete job description is available on the City of Milpitas website: www.ci.milpitas.ca.gov (under Classification and Compensation) or from Human Resources.

The City reserves the right to close or re-open the recruitment at any time. Incomplete and/or inaccurate application materials may result in disqualification from the recruitment process.



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Candidates will receive all communications by email regarding the recruitment process, which includes, but is not limited to, application status, testing dates, and interview scheduling. If you require alternate communications, please contact Human Resources at (408) 586-3090.

Benefits

The City provides an excellent array of benefits that includes the following. This position is represented by the International Association of Firefighters bargaining group. Benefits Information is available online at:

<http://www.ci.milpitas.ca.gov/milpitas/departments/about-human-resources-2/benefits/>

<http://www.ci.milpitas.ca.gov/wp-content/uploads/2018/12/IAFF-July-2018-through-June-30-2022.pdf>

The City of Milpitas is an Equal Opportunity/ADA employer. Reasonable accommodation in the application, examination, and selection process will be made upon request to Human Resources at (408) 586-3090.

The information contained in this announcement does not constitute either an expressed or implied contract and these provisions are subject to change.



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Supplemental Questionnaire

Please answer the following supplemental questions and include responses when you submit your application. Responses should be no longer than one page per question.

Question #1:

WORK EXPERIENCE

Have you conducted plan review on the subjects of fire life safety, sprinklers and fire alarm systems for buildings/structures 4 or more stories in height? If yes, please tell us how many years of experience, an example of a project that you specifically worked on and what were your duties.

NOTE:

1. Specify the City, project name, address and approximate year.
2. Specify the type of project – which includes but not limited to: Multi-Residential “Wrap-Around Parking Garage” Apartment Complex and /or Podium Apartment Complex.

Question #2:

FIRE ALARM SYSTEMS

Within the 2016 California Fire Code, you will find the requirements for the fire alarm system based on the occupancy of the building. What are the three most common fire alarm systems required under the Fire Code? Define the differences between the three systems and provide an example of an occupancy that will be applicable to each fire alarm system type.

NOTE: Provide applicable Fire Code Section(s) as reference.



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Questions #3:

HI-RISE BUILDING

Have you performed plan reviews for hi-rise building(s)? If yes, describe your experience in conducting Life Safety, Fire Protection, and Smoke Control System plan reviews for hi-rise buildings. Clarify the challenges that you had and how you overcame them.

NOTE:

1. Specify the City, project name, address and approximate year.
2. Specify the type of project – which includes but not limited to: Hotel, Multi-Residential Apartment, and / or Condominium Development