Wildfire Mitigation Specialist (Limited Term – 2 years)

Supervisor: Fire Marshal

Typical Tasks:

- Analyze structure ignition potential in the wildland/urban interface using a science based approach
- Identify appropriate construction materials, material ratings, and techniques for the wildland/urban interface
- Determine the hazard, risk, and values-at-risk rating, for a wildland/urban interface jurisdictional area
- Make mitigation recommendations based on wildland fire behavior
- Identify appropriate construction methods and materials to reduce the risk of structure ignition in the wildland/urban interface
- Accurately assess the potential for structure ignitions in wildland/urban interface fire, using scientifically based analysis
- Apply a hazard assessment system to a project, property, or jurisdictional area
- Assist in the planning phase of homes and subdivisions within the wildland/urban interface
- Create a mitigation plan using treatments appropriate for the wildland/urban interface
- Implement fuel modification plans in order to reduce wildland/urban interface hazards
- Apply effective mitigation treatment techniques based on wildland fire behavior
- Recommend appropriate mitigation strategies for the wildland/urban interface
- Prepare clear written treatment prescriptions, and initiate and sustain required fuel modification activities
- Assist with development and implementation of a wildland/urban interface public education program
- Assist with development of written, and audio-visual materials, on the wildland/urban interface fire environment and mitigation techniques
- Coordinate or provide presentations on wildland/urban interface and wildland fire issues
- Attend, on occasion, a variety of continuing education classes, seminars, and/or meetings; remain current on applicable codes, regulations, policies, and procedures
- Interpret and enforce provisions of fire prevention codes and fire safety laws and standards and ordinances
- Perform routine safety evaluations & inspections of new and existing buildings, structures and installations requiring fire clearances; identify fire hazards; recommend corrective actions; perform follow-up inspections to see confirm corrective actions have been taken
- Perform wildland/urban interface and other vegetation hazard evaluations and inspections
- Investigate public and referred public agency complaints which involve District attention and resolution of issues
- Prepare reports related to fire prevention and mitigation activities
Knowledge:
- Commonly used wildland fire fuel models, fire behavior characteristics, and mitigation techniques, including how fuel, terrain, and weather influence wildland fire behavior
- Appropriate hazard assessment systems, wildland urban interface risks, and values at-risk ratings
- Applicable and effective mitigation treatments, the application of relevant policies, procedures, codes and standards, and best practices
- Fuel types, wildland fire behavior, building construction, defensible space, landscaping, mitigation strategies, and planning documents
- How fuel, terrain, and weather influence wildland fire behavior and how structures ignite in the wildland/urban interface
- Wildland/urban interface fire issues, fire prevention goals, public education delivery methods, and tools
- Construction materials, materials rating, and appropriate construction techniques for use in the wildland/urban interface
- Techniques pertinent to tree thinning, brush removal, pruning, grazing, mowing, prescribed fire, and chemical treatments
- Awareness of potential community partners, community concerns, and available community resources
- Fire prevention codes, regulations, and NFPA standards
- Principles and techniques of fire inspection work
- Data resources, information systems including format and materials, learning theory, computer, writing, and editing

Abilities:
- Work independently conducting site evaluations and inspections, and effectively interact with the public and local agency representatives
- Be self-motivated and complete tasks in the time frame allotted
- Understand and explain fire prevention services, policies and procedures
- Interpret and apply all applicable local, state and federal laws and regulations
- Remain up to date with fire prevention codes, requirements and standards
- Make observations and recommendations based on wildfire concerns and mitigation techniques
- Identify fire education needs and to recognize effective tools necessary to implement and measure success of delivery strategies
- Use a variety of techniques to solve complex fire prevention challenges
- Identify and analyze problems, identify alternative solutions, project consequences of proposed actions and implement recommendations in support of goals
- Build and maintain positive working relationships with stakeholders to ensure that assigned fire prevention coordination efforts are successful
- Collect information in a specific format, generate written or audio-visual materials, recognize and use powerful images, and identify and organize outreach to affected audiences and the community at large
- Prepare presentations, facilitate meetings, and motivate partners to achieve goals
Qualifications:
- High school diploma or GED
- Possession and maintenance of a valid California Class C driver’s license
- Certified as a NFPA CWMS, within 12 months of hire date
- Possession of one or more of the following courses - desirable:
  - Wildland firefighting, training, or experience
  - CSFM 1A, 1B, 1C, 1D, 2B & 2C courses