

Cameron Park Community Services District
2502 Country Club Drive
Cameron Park, CA 95682



Fire & Emergency Services Committee
Tuesday, September 5, 2023
5:30 p.m.

Cameron Park Community Center – Social Room

2502 Country Club Drive
Cameron Park, CA 95682

Agenda

Members: Director Eric Aiston (EA) & Director Dawn Wolfson (DW)
Alternate, Director Tim Israel (TI)

Staff: Interim General Manager Jill Ritzman, Chief Dusty Martin

CALL TO ORDER

ROLL CALL

Public testimony will be received on each agenda item as it is called. Principal party on each side of an issue is allocated 10 minutes to speak, individual comments are limited to 3 minutes except with the consent of the Committee; individuals shall be allowed to speak on an item only once. Members of the audience are asked to volunteer their name before addressing the Committee. The Committee reserves the right to waive said rules by a majority vote.

ADOPTION OF AGENDA

APPROVAL OF CONFORMED AGENDA

OPEN FORUM

Members of the public may speak on any item not on the agenda that falls within the responsibilities of the Committee.

DEPARTMENT MATTERS

1. **Review and Provide Feedback** – CSG Consultants’ Proposal to provide Fire Prevention Services (J. Ritzman, K. Richards)

STAFF REPORTS

2. Ambulance services update and status from JPA to secure another provider (D. Martin)
3. Cal Fire staffing status/vacancies and overtime (D. Martin)
4. Department Report for July 2023 (C. Siebert)
5. Fire Prevention update for July 2023 (K. Richards)

ITEMS FOR FUTURE COMMITTEE AGENDAS

-

ITEMS TO TAKE TO THE BOARD OF DIRECTORS

-

MATTERS TO AND FROM COMMITTEE MEMBERS & STAFF

ADJOURNMENT

Cameron Park Community Services District
2502 Country Club Drive
Cameron Park, CA 95682



Fire & Emergency Services Committee
Tuesday, August 8, 2023
6:30 p.m.

Cameron Park Community Center – Social Room

2502 Country Club Drive
Cameron Park, CA 95682

Conformed Agenda

Members: Director Eric Aiston (EA) & Director Dawn Wolfson (DW)
Alternate, Director Tim Israel (TI)

Staff: Interim General Manager Jill Ritzman, Chief Dusty Martin

CALL TO ORDER 5:36

ROLL CALL DW/EA

Public testimony will be received on each agenda item as it is called. Principal party on each side of an issue is allocated 10 minutes to speak, individual comments are limited to 3 minutes except with the consent of the Committee; individuals shall be allowed to speak on an item only once. Members of the audience are asked to volunteer their name before addressing the Committee. The Committee reserves the right to waive said rules by a majority vote.

ADOPTION OF AGENDA DW/EA

APPROVAL OF CONFORMED AGENDA *July meeting cancelled; no conformed agenda*

OPEN FORUM

Members of the public may speak on any item not on the agenda that falls within the responsibilities of the Committee.

DEPARTMENT MATTERS

1. **Review and Forward to the Board of Directors** - Revision to Fire Prevention Specialist

STAFF REPORTS

2. **Receive and Discuss** - Fire Department Report for July 2023 (C. Siebert)
3. **Receive and Approve** - Fire Prevention update for July 2023 (K. Richards)
4. **El Dorado County Emergency Services Authority** - Notification sent to cancel agreement for ambulance services (oral update, Martin & Ritzman)

ITEMS FOR FUTURE COMMITTEE AGENDAS

-

ITEMS TO TAKE TO THE BOARD OF DIRECTORS

- Fire Prevention Specialist job description

MATTERS TO AND FROM COMMITTEE MEMBERS & STAFF

ADJOURNMENT



Agenda Transmittal

DATE: September 5, 2023

FROM: Jill Ritzman, Interim General Manager
Kalan Richards, Battalion Chief/Fire Marshal

AGENDA ITEM #1: CSG Consultants' Proposal to provide Fire Prevention Services

RECOMMENDED ACTION: Review and Provide Comment on CSG Consultants' Scope of Work

Introduction

In preparation for Cal Fire's Agreement, Year 2 Terms and Conditions, that eliminate one of the two Battalion Chiefs, and considering the current staff vacancies in the Fire Department, Chief Richards and Interim General Manager Ritzman met with CSG Consultants to discuss a scope of work that assigns responsibility for fire prevention services to a consulting firm.

Discussion

Staff plans to initiate a Professional Services Agreement under the General Manager's signing authority of \$25,000. CSG would bill for time and materials as outlined in their Proposal up to and not-to-exceed \$25,000. This short-term agreement would provide CSD and Cal Fire staff an opportunity to evaluate the efficiencies and effectiveness of a consulting firm providing fire prevention services, including responsibilities for fire marshal and weed abatement ordinance activities. The expected agreement term is two to three months. When the short-term agreement is nearly completed, staff will work towards a long-term agreement based on the outcomes of the short-term agreement.

Details and logistics of implementation are being determined, such as billing for services, collecting payment, and oversight of the agreement. These details will be reflected in the agreement.

Attachment

1a. CSG Consultants' Proposal for Fire Prevention Services

PROPOSAL TO THE

Cameron Park Fire Department

Fire Prevention Services

June 7, 2023



1303 J Street, Suite #270
Sacramento, CA 95814

916.492.2275 phone
916.492.2276 fax

www.csengr.com



Employee-Owned

Table of Contents

SECTION	1	Cover Letter	1
SECTION	2	Firm Profile	2
SECTION	3	Approach to Work	4
SECTION	4	Proposed Personnel	11
SECTION	5	Project Experience and References	20
SECTION	6	Fee Schedule	23

Cover Letter

SECTION

1

June 7, 2023

Cameron Park Fire Department
2961 Alhambra Drive
Cameron Park, CA 95682

Re: Fire Prevention Services

CSG Consultants, Inc. (CSG) would like to thank Cameron Park Fire Department (Department) for the opportunity to propose our fire prevention services. To this work, our firm will bring:

- ▶ *specialized fire prevention plan review expertise;*
- ▶ *an experienced, responsive, customer care-focused team committed to delivering thorough, accurate, and timely services;*
- ▶ *proven digital plan review capabilities to facilitate efficient delivery of services;*

CSG can readily provide the requested services proposed herein. **No subconsultants will be used.** Proposed CSG fire prevention personnel are ICC/CSFM certified, and we offer registered fire protection engineers (FPEs) as an additional offsite resource. Our team members are cross trained in multiple service levels, providing the Department with increased efficiency to meet its fluctuating needs.

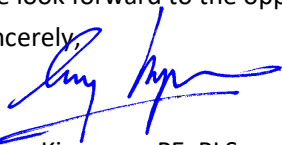
CSG, a California corporation, currently furnishes fire prevention, building and safety, code enforcement, public works, planning, and other municipal services to over 250 public agency clients throughout California and Nevada. For over 30 years, we have had a solutions-oriented approach to our work, leveraging our team's depth and breadth of experience and technical expertise to address code compliance challenges for our clients.

Our servicing office is in Sacramento, and our team will be available for meetings when requested. George Apple, CFM will serve as the project manager and contact for this contract. His contact information follows.

George Apple, CFM | *Fire Services Manager / Project Manager*
1303 J Street, Suite 270, Sacramento, CA 95814
916.492.2275 *office* | 916.416.0332 *cell* | georgea@csgengr.com

Please feel free to contact Mr. Apple with any questions or comments you may have regarding our proposal. We look forward to the opportunity to provide our services to Cameron Park Fire Department.

Sincerely,



Cyrus Kianpour, PE, PLS
President, CSG Consultants, Inc.



Employee-Owned

Firm Profile

CSG Consultants, Inc. (CSG) is an employee-owned California company with its local office in Sacramento and headquarters in Foster City, CA. Additional support is available from our other offices in Newman, Pleasanton, San Jose, Fresno, Paso Robles, and Orange. Founded in 1991, **CSG performs work solely for public agencies**, eliminating the potential for conflicts of interest between developers and agencies. In this way, we can focus exclusively on the specific needs of our municipal clients.

NAME OF FIRM: CSG Consultants, Inc.

PROJECT MANAGER: **George Apple, CFM** | *Fire Services Manager / Project Manager*
916.492.2275 *office* | 916.416.0332 *cell* | georgea@csgengr.com

LOCAL OFFICE: 1303 J Street, #270, **Sacramento**, CA 95814
(916) 492-2275 *phone* • (916) 492-2275 *fax*

HEADQUARTERS: 550 Pilgrim Drive, **Foster City**, CA 94404
(650) 522-2500 *phone* • (650) 522-2599 *fax*
www.csgengr.com • csgstaff@csgengr.com

REGIONAL OFFICES: 930 Fresno St., **Newman**, CA 95360
3875 Hopyard Rd., Suite 141, **Pleasanton**, CA 94588
3150 Almaden Expressway #255, **San Jose**, CA 95118
515 N. Palm Ave., #530, **Fresno**, CA 93704
3707 W. Garden Grove Blvd., #100, **Orange**, CA 92868

YEARS IN BUSINESS: 32 • Founded in 1991

OWNERSHIP: Employee-Owned

EMPLOYEES: 300+

TYPE OF BUSINESS: California Corporation • Incorporated June 15, 2000 • Federal ID: 91-2053749

STAFF COMPOSITION

The majority of the 300+ individuals within our firm have provided public agency services throughout their entire careers. Our talented personnel bring a wealth of ideas, experience, and solutions. Depending upon the needs of our clients, we can serve in either a project-specific or on-call staff augmentation capacity. CSG maintains the breadth and depth of experienced and licensed/certified staff necessary to support the Department’s needs. **No subconsultants will be utilized for this contract.**

Our multi-disciplined municipal services staff consists of the following types of professionals:

- ▶ *Fire Prevention Plan Reviewers & Inspectors*
- ▶ *Fire Marshals*
- ▶ *Fire Protection Engineers*
- ▶ *Building Officials*
- ▶ *Plan Reviewers*
- ▶ *Inspectors*
- ▶ *CASp Professionals*
- ▶ *Sustainability Professionals*
- ▶ *Grading Improvement Plan Reviewers & Inspectors*
- ▶ *Planning Professionals*
- ▶ *Information Technology Professionals*
- ▶ *Structural Engineers*
- ▶ *Plan Review Engineers*
- ▶ *Program & Project Managers*
- ▶ *Civil Engineers*
- ▶ *Construction Managers*

COMPREHENSIVE MUNICIPAL SERVICES

CSG provides a wide range of services to community development and public works departments, often seamlessly serving as an extension of agency staff. We are customer-centric and organized into the lines of business outlined below, each managed by highly experienced industry experts. Many of CSG’s personnel serve more than one line of business, which improves the quality of customer service and results in high employee retention.

BUILDING & FIRE LIFE SAFETY

Fire Plan Review, Inspection, and Fire Protection Engineering
Building Department Administration
Building Plan Review and Inspection
Structural Plan Review
OSHPD3 Review
CASp Assessment and Inspection
Public Facilities Assessment
LEED/Green Building Services / Cal Green Code Compliance/Enforcement
Staff Augmentation Building Department

PUBLIC WORKS ENGINEERING & DESIGN

Capital Improvement Project Design: Transportation/Roadway, Water and Sewer Utilities, Traffic Engineering
Development Review, Plan Check, Surveying and Mapping
Storm Water Program Compliance (NPDES, QSP/QSD)

PLANNING & SUSTAINABILITY

Staff Augmentation for Current and Advance Planning
Project Management Including Plan Amendments
CEQA Environmental Review
Energy Efficiency, Water Conservation, Solid Waste Program Development
AB 32 Compliance/Climate Action Plan Development and Implementation
Greenhouse Gas Reduction Strategies
Grant Writing and Grant Management

CIP PROJECT & PROGRAM MANAGEMENT

Capital Improvement Program Development and Implementation
Federal and State Grant Administration
Rule 20A Undergrounding
Staff Augmentation Including: Design Consultant Coordination, Project Scoping, RFP Preparation

INFORMATION TECHNOLOGY

GreenVue Software
Digital Plan Review
Electronic Archiving
Web-Based Construction Management
Asset Management
Project Management
GIS and IT Support

CONSTRUCTION MANAGEMENT & INSPECTION

Contract Administration, including: Resident Engineer Oversight, Inspection and Construction Management
Constructability/Biddability Reviews
Cost and Schedule Control
Claims Avoidance

CURRENTLY SERVICING

A small sampling of jurisdictions, for which we have provided fire prevention services includes:

- ▶ *Contra Costa Fire Protection District, CA*
- ▶ *City of Modesto, CA*
- ▶ *City of Stockton, CA*
- ▶ *City of Sacramento, CA*
- ▶ *City of Richmond, CA*
- ▶ *City of Chico, CA*
- ▶ *South San Joaquin County Fire Authority, CA*
- ▶ *Orange County Fire Authority, CA*

Approach to Work

SECTION **3**

FIRE PREVENTION SERVICES OVERVIEW

The complex and ever-evolving regulations affecting the design and construction of today’s buildings require specialized code training, education, and experience—while tight schedules and budgets require movement of plans through the permit process quickly and efficiently yet thoroughly examined and inspected. CSG employs a team of professionally certified (ICC and/or CSFM) fire plan reviewers, fire inspectors, fire protection engineers, fire marshals, and permit technicians to manage fire prevention operations, support front counter procedures, review plans, and inspect structures for code compliance. CSG’s expertise is multi-faceted, gained from extensive experience in plan review, code enforcement, code development, code instruction as well as fire suppression. Members of our Fire Prevention Division are recognized for their service on local, state and national code (ICC and NFPA) development committees and advisory groups.

Our extensive experience in furnishing comprehensive fire prevention services to jurisdictions provides a consistent, strong technical foundation to all projects. We have expertise in a wide range of project types:

- ▶ *Single family and multi-family developments*
- ▶ *High-rise commercial & residential*
- ▶ *Agricultural facilities*
- ▶ *Manufacturing plants*
- ▶ *Cannabis/extraction facilities*
- ▶ *Specialized technology/industrial*
- ▶ *High-pile/rack storage*
- ▶ *Refrigerated storage*



CSG serves as an active partner, working as an extension of our clients’ staff in performing, as-needed, the requested scope of services and working closely with the development community and public. All fire prevention personnel are thoroughly trained and familiar with jurisdictional processes, working within multiple departments, and serving the public. From digital plan review to meeting turnaround times and assisting in last minute inspection requests, CSG delivers superior customer service to both our client jurisdictions and to the ultimate client—the citizens and community.

- ▶ *Expeditious code analysis with innovative, expert solutions that meet code requirements—protecting occupants, property and emergency personnel while serving the needs of communities, developers and businesses through reductions in costly redesigns.*
- ▶ *Collaboration between our Fire Prevention plan review and Fire Protection Engineering staff, providing complete review of alternative means and methods, fire protection systems, and other complex and diverse fire prevention situations.*
- ▶ *Prompt plan review turnaround times that are further streamlined by the scanning of all plans and use of digital plan review.*
- ▶ *Fire inspection for all phases of construction and all types of fire protection systems, with expertise to analyze options if deficiencies exist.*
- ▶ *Rapid inspection response via centralized inspection request scheduling and our personnel’s online access to digital project records.*

FIRE PLAN REVIEW SERVICES

CSG furnishes fire and life safety, fire department access and water supply, wildland urban interface, fire protection systems and special hazards plan review for all structures with emphasis on the unique needs and requirements of each of our clients. We are experienced in the special requirements and risks associated with industrial and commercial buildings, single- and multi-family complexes. Our plan review staff carefully review all documents for compliance with applicable building codes, fire codes, standards, industry regulations, and all local ordinances.



CSG will meet and may provide faster than scheduled turnaround times. And, our online project tracking system will keep Department staff and the project team informed on the status of the plan review process.

Compliance Standards

Our fire plan review staff review plans for compliance with model codes such as the International Building and Fire Codes, California State Building and Fire Codes and NFPA Standards, including but not limited to:

- ▶ *California Fire Code*
- ▶ *California Building Code*
- ▶ *California Residential Code*
- ▶ *California Electrical Code*
- ▶ *California Plumbing Code*
- ▶ *California Mechanical Code*
- ▶ *National Fire Protection Association (NFPA) Standards as published and referenced by the California Building and Fire Codes*
- ▶ *Local adopted ordinances and amendments relative to building, fire, and municipal codes, including project Conditions of Approval from other departments, divisions, and regulating agencies.*

Digital Plan Review

CSG has been providing digital plan review services for over 20 years, leading the consultant field with this ground-breaking service. All paper plans submitted to CSG for building and fire plan review are immediately scanned into digital files and stored on CSG's servers for quick and easy access by both our clients and our plan reviewers.

Leading the field in digital plan review services for over 20 years.

Our plan reviewers furnish electronic versions of their plan comments conforming to each client's established correction list templates. Any additional forms utilized by the agency will be incorporated into the correction comments and returned with the appropriate recommendations. Plan check comments can be delivered electronically by email or other

agency-approved means, enabling staff to immediately modify CSG's checklist for incorporation with other department comments. We provide convenient, environmentally friendly digital storage of all construction-related documents, and on request, can provide clients with a set of digitally scanned plans at no additional cost.

In addition, for jurisdictions requesting a pure digital plan review workflow, we can enable an applicant to submit digital files—with no size limitations—directly to CSG via our web-based application. Our application includes an online portal for the applicant/jurisdiction to retrieve comments and marked-up

digital plans including redlines. Importantly, this service tracks the status of all submittals and re-submittals until the plans have been approved.

Key features of our digital plan review service include:

- ▶ **Efficient.** Plans are pushed to plan review staff the same day they are received.
- ▶ **User-friendly.** CSG developed its own online portal specifically to manage the electronic file submittal process. Through use of this interface, the applicant is no longer faced with size restrictions on email attachments or required to learn complex file transfer settings.
- ▶ **Proven.** We have provided a digital plan review option to our clients for over 20 years.
- ▶ **Non-Proprietary.** CSG’s electronic review process is 100% PDF-based with no additional software required to view redlines.

All paper plans submitted to CSG are immediately scanned into digital files for quick and easy access by our clients and plan reviewers.

Online Plan Check Status

CSG offers a convenient service allowing clients to check plan review status and comments online. By accessing our secure Plan Check Status website, agency staff as well as authorized applicants can view their project documents and plans and communicate with the specific plan checker via e-mail. Staff and authorized applicants can download comments upon completion of the plan check. **There is no additional cost for this service.**



Plans Distribution/Delivery

CSG is a leader in delivering virtual plan review services through its extensive use of Bluebeam software and managing digital submittal and distribution of plans via a variety of permitting software platforms in use by our public agency clients. We have extensive experience using digital review systems including Accela, ProjectDox, Posse, Bluebeam Studio, and TRAKIT within the CSG environment.

PLAN CHECK TURNAROUND TIMES

CSG strives to provide the highest quality and most timely service in the industry. We take pride in maintaining the requested plan review times for all our clients—even delivering faster than our own deadlines. Our goal is to approve code-complying projects and to move work quickly and successfully through jurisdictional processes. CSG will ensure that all fire life safety duties and follow-up actions will be performed in a timely and responsive manner.

The following are CSG’s proposed plan check turnaround times:

REVIEW	TURNAROUND TIME ^{1, 2}
First Submittal	10 Business Days
Second Submittal and Subsequent Submittals	5 Business Days
Accelerated Submittal and Subsequent Submittals	5 Business Days

¹Turnaround time may vary with the complexity and magnitude of the project. If a review is anticipated to take longer than the maximum turnaround timing, CSG will notify the Department’s representative and negotiate additional time required to ensure an appropriate level of review.

² The number of working days associated with the plan check turnaround time is based on time of project submittal. The first working day will be the day the project is received by CSG if submitted by 12:00 PM. For a project that is received by CSG after 12:00 PM, the first working day will be the next business day.

Expedited Plan Check Services

At the Department's request, we can perform plan check services within an accelerated time frame; with fees negotiated between the Department and CSG.

FIRE INSPECTION AND CODE ENFORCEMENT

Fire Inspection Services

CSG offers highly experienced, CSFM/ICC certified inspectors to perform fully integrated, multi-disciplined fire inspection services for residential, commercial, and industrial projects, and all construction types. Our inspectors ensure compliance with applicable codes and requirements by identifying code violations, offering solutions to developers, property owners and tenants on potential risks and safety hazards, and by working as a team to correct violations. Our inspection staff easily integrates into client organizations, consistently implementing policies and procedures and remaining transparent to applicants and customers. Typical responsibilities include but are not limited to providing inspection services for fire and life safety systems and construction, and maintaining records and files concerning fire permits and code administration documents. Specific inspections include, but are not limited to:

- ▶ *Automatic Fire Sprinkler Systems*
- ▶ *Engineered and Pre-engineered Fire Protection Systems (e.g., kitchen hoods, spray booths, clean agent systems)*
- ▶ *Fire Alarm Systems*
- ▶ *Development Improvements (e.g., fire hydrant and other types of water supply systems, fire department access, underground fire Services)*
- ▶ *Fire Code Maintenance/Life Safety (e.g., permitted sites, public and private schools, State licensed facilities, hotels, motels and apartment complexes)*

Fire Code Enforcement

Code enforcement is a critical element in the success of Community Risk Reduction programs and ensuring State Mandated occupancies are in compliance with state law. Code Enforcement plays a major role in ensuring the built environment is maintained in accordance with the codes and standards the buildings / occupancies were approved under by conducting fire and life safety inspections, hazardous materials and environmental investigations, wildland urban interface inspections, and the issuance of operational fire prevention permits.

CSG's team of fire service specialists possesses the code knowledge and experience necessary to effectively identify hazards and code violations and conduct code enforcement inspections in a manner that best meets the specific fire prevention goals of our clients. While conducting code enforcement inspections, our fire service specialists educate business and property owners in fire safety and aim to develop or change attitudes towards fire prevention. This includes:

- ▶ *Isolating combustible storage so that it remains at a safe distance from risks such as electrical panels*
- ▶ *Identifying hazards in high-risk areas such as electrical and mechanical rooms*
- ▶ *Assuring proper electrical wiring and components are utilized*
- ▶ *Inspecting fire equipment such as fire extinguishers, fire alarm systems and automatic sprinkler systems to identify if they are functional and have been serviced at required intervals.*
- ▶ *Creating and maintaining clear access to all fire protection equipment on the property, while assuring exit widths are adequate, exit signs are fully functional, and that designated fire exits are clearly accessible by the public.*
- ▶ *Educating property owners on what hazardous materials pose the greatest fire risk*

In addition to fire code enforcement inspections of businesses and multi-family structures, CSG's staff can also assist the Department in addressing citizen complaints regarding fire code violations to help safeguard the local community and enhance public safety. We understand the importance of educating occupants about code requirements to help facilitate code compliance. We ensure reports are thorough and are properly maintained, while assuring appropriate follow-ups on violations are conducted. Through proper

education and a proactive approach to resolving code concerns, CSG can partner with the Department to mitigate and often eliminate many fire risks.

PERMIT TECHNICIAN SERVICES

CSG has highly qualified staff available to provide Permit Technician services. These frontline, first-response services are vital to the success of the entire building and safety permit process as they often set the tone for the applicant whether a homeowner, contractor, or design professional. CSG handpicks exceptionally qualified personnel who can function as seamless extensions of the agency's team, understand the importance of exemplary customer service, and have knowledge of the inner workings of building and fire departments and thorough familiarity with the building application and permit process.



CSG's permit processing staff is trained in customer service and helping to facilitate and expedite the permit process. Our staff members can perform quick assessments of each customer's needs and ensure that they are served appropriately. They are familiar with State Contractors License Law and ensure that permits are issued to properly licensed contractors. CSG's permit technicians are also familiar with multiple permit software systems and will quickly gain proficiency with the software that has been customized for the City.

Our staff is knowledgeable and experienced with permit processing functions including:

- ▶ *Providing the public with appropriate forms and handouts*
- ▶ *Processing permit applications and issuing permits using the City's software*
- ▶ *Accepting plans, documents, structural calculations and energy reports for permit processing*
- ▶ *Routing plans to building and other departments and agencies*
- ▶ *Performing document control, ensuring permit file integrity, and maintaining status of plans and documents during the permit process.*
- ▶ *Preparing plan check letters to be sent to applicants*
- ▶ *Assisting the public with completing applications and other required forms*
- ▶ *Preparing documents and reports; providing permit record materials requested from the public; researching and compiling documents for compliance with Public Records Act (PRA) requests.*

AVAILABILITY AND CUSTOMER SERVICE

We clearly understand the importance of our role in the success of the Department and commit to providing project stakeholders and Department staff with the highest level of service while functioning as a seamless extension of the Department. We believe effective communication, responsiveness and an intense focus on customer service are essential to developing and continuing a successful working relationship between Department staff, project stakeholders and CSG's team members.

Office Hours and Meeting Availability

Plan Review

CSG plan checkers are available for inquiries anytime during normal business hours via phone or email, Monday through Friday. Our plan checkers can typically respond to the Department for all questions or requests generated during any plan review on the same day, but no later than the following day a request is received.

We recognize the value of pre-design consultation and are available to provide this important service.

For the Department's convenience, we can also meet with Department staff and project stakeholders through video conferencing. ***We recognize the value of pre-design consultation and are available to provide this service as well.***

Fire Inspection

CSG inspectors can be ready to provide services upon request to CSG's designated project manager. We are flexible and can alter our hours to meet the Department's needs. Evening and weekend inspections for special construction events can be accommodated with sufficient notice. CSG staff can typically respond to the Department for all questions or requests generated during field inspections on the same day, but no later than the following day a request is received.

COMMITMENT TO EXCELLENCE

Our People

Our clients benefit from the expertise of our team members who hold a wide variety of project experiences and are motivated to achieve the highest level of technical proficiency and certification. Knowing technical excellence is vital to successful service to our clients and to meeting their jurisdictions’ level of safety and code compliance, our team members are ICC/CSFM certified, include registered engineers, and possess additional required professional certifications. They routinely update their knowledge and skills through attendance of specialized training classes and continuing certification seminars in the most current building codes and standards as well as approved and modern methods, materials, tools and safety practices used in the industry. In addition, we understand that integrity, responsive customer service, and excellent communication and interpersonal skills are critical to on-the-job success, and we actively seek these qualities in our team members.

We also support our team members in their participation in and contributions to the many important associations and organizations within our industry. Many of our team members hold or have held key positions within the organizations listed below and have served as in-demand instructors and trainers.

- Southern California Fire Prevention Officers*
- Northern California Fire Prevention Officers*
- National Fire Protection Association*
- California Automatic Fire Alarm Association*
- American Fire Sprinkler Association*
- National Fire Sprinkler Association*
- League of California Cities*
- California Building Officials*
- International Code Council*
- ICC Chapters of Sacramento Valley, Yosemite, East Bay, Peninsula, Napa-Solano, Monterey, Shasta Cascade, Redwood Empire, Central Coast, Los Angeles Basin, Orange Empire, Foothill, Coachella County Building Officials Association of California*
- California Fire Chiefs Association*
- American Public Works Association*
- Institute of Transportation Engineers*
- Structural Engineers Association of Northern California*
- Structural Engineers Association of Southern California*
- Certified Access Specialist Institute (CASI)*
- American Society of Safety Engineers (ASSE)*



Quality Assurance

Key to our approach to quality assurance is that it must occur throughout the entirety of the project and with the right people involved every step of the way. Our team’s unwavering integrity and commitment are combined with our internal processes and leading-edge digital technology to consistently produce quality work products and maintain highly satisfied clients. At project outset, CSG’s project manager assigns the most technically specialized team members who, through their experience and training, best understand the needs of our client. Our quality control processes include verifying procedures and code requirements, defining and applying standards used in code applications, and assessing work products to ensure that jurisdictional requirements and expectations are met.

Proposed Personnel

TEAM AND ORGANIZATIONAL STRUCTURE

George Apple, CFM, Fire Services Manager, will serve as the project manager and primary point of contact for the Department for this contract. Mr. Apple will allocate appropriate levels of plan review staffing and any additional resources and will ensure that work is thorough and meets the Department’s deadlines.

Our proposed staff are certified through the State Fire Marshal and / or ICC to perform the fire and life safety review services requested by the Department. Additionally, members of our team are certified and experienced in review of all fire protection system / fire code permit submittals.

Resumes for our highly experienced fire prevention plan review team members summarizing their training/certification and experience are provided in the following pages for the Department’s review.



George Apple CFM

Fire Services Manager



LICENSES & CERTIFICATIONS

CSFM Certified Fire Prevention Officer | #000122
CSFM Certified Fire Prevention Specialist | #260-2480
CSFM Certified Plans Examiner | 360-2480
CSFM Certified Fire Investigator I | #092708
CSFM Certified Fire Officer | #150-2180
CSFM Certified Fire Marshal | #460-2480
ICC Certified Fire Inspector II | 528431-67

EDUCATION

Bachelor of Science, Engineering Technology – Fire Protection and Safety
Oklahoma State University | Stillwater, OK

Mr. Apple has over 25 years of fire service experience from having served as a firefighter for the City of Isleton, CA to serving as Assistant Chief-Fire Marshal for the Cosumnes Fire Department and servicing the Cities of Elk Grove and Galt. Currently Mr. Apple serves as the Fire Services Manager for CSG Consultants. In this capacity, Mr. Apple oversees the Fire Services Division. The Fire Services Division is responsible for plan review and inspections of new residential and commercial projects as well as conducting annual inspections, and staff augmentation for various jurisdictions.

He has extensive experience providing plan reviews of architectural, civil, mechanical, and fire suppression and detection plans for new construction and building renovation projects. He has also been responsible for performing fire-related inspections in accordance with appropriate laws, codes, ordinances, regulations, and standards.

Mr. Apple has served on code development committees and is highly experienced with the code development process. He also serves as an adjunct instructor in Careers and Technology at Cosumnes River College, developing curricula and lecturing classes in Fire Prevention, Systems and Equipment; Fire Protection Organization; Tactics and Strategies; Fire Investigation; Combustion and Fire Chemistry; and Fire Law.

Mr. Apple has been conducting fire investigations in his role in the fire service for the past 20 years. He is a Certified Fire Investigator I in the State of California and has completed the Fire Investigation 2 series of instruction through the California State Fire Training System. Mr. Apple is also a Certified Post Blast Investigator through the Federal Bureau of Investigations. Additionally, Mr. Apple is a Peace Officer in accordance with Penal Code Section 830.37(a).

RELEVANT EXPERIENCE

Assistant Chief – Fire Marshal | Cosumnes CSD Fire Department, Elk Grove, CA

As an Assistant Chief - Fire Marshal, Mr. Apple was the Department Liaison with City of Galt and City of Elk Grove officials, and managed day-to-day activities of the Fire Prevention Bureau, including new construction, code enforcement, public education, fire investigations, and global information systems. He ensured that necessary training was provided to maintain proficiency of plan reviewers, inspectors, investigators and public education officers.

Assistant Fire Marshal | Elk Grove CSD Fire Department, Elk Grove, CA

Mr. Apple served in capacities of increasing responsibility within the Elk Grove CSD Fire Department including Fire Inspector II and Assistant Fire Marshal. Mr. Apple developed and managed the budget for the Fire Prevention Bureau as well as the Bureau's day-to-day activities, ensuring that all plan reviews and inspections were completed within the District's goals.

Fire Inspector II | Sacramento Metropolitan Fire District, Sacramento, CA

Fire Protection Engineer | Stanford University, Stanford, CA

Fire Protection Engineer | Mount Prospect Fire Department, Mount Prospect, IL

Fire Inspector/Plan Reviewer | Orland Fire Protection District, Orland Park, IL

Fire Fighter | Isleton Fire Department, Isleton, CA



Barbara Easter

Fire Services Specialist

LICENSES & CERTIFICATIONS

National Code Services Association
 Certified California Fire Inspector |
 CFC0022.13
 California State Fire Marshal Fire
 Instructor I | 120-9590
 Fire Inspector I | 772129
 Fire Inspector II | 870228
 Fire Plan Examiner | 870180
 California State Fire Marshal Fire
 Investigator | 881363
 Community Risk Educator | 661093
 California State Fire Marshal
 Fire Fighter I | 017804
 California State Fire Marshal
 Fire Fighter II | 008997

EDUCATION

Associates Degree in Fire Technology
 American River College | Sacramento, CA
 Associates Degree in Forestry
 Sierra Junior College | Rocklin, CA

PROFESSIONAL AFFILIATIONS

Past President Sacramento Regional Fire
 Prevention Officer's Association
 Past President Sacramento Valley Fire
 Prevention Officer's Association
 Northern California Fire Prevention
 Officer's Association
 Past Vice President Solano Napa Fire
 Chief's Association, Fire Prevention
 Section
 Liaison to Napa County
 Planning Commission

Ms. Easter has over 35 years of experience in the fire services field. She has served in a variety of fire prevention capacities, held positions of increasing responsibility, and is highly knowledgeable of current codes and procedures. She is adept at identifying fire safety hazards and recommending corrective measures – applying the knowledge developed through her extensive experience.

RELEVANT EXPERIENCE

Fire Inspector II/ Fire Investigator | Cosumnes Fire Department, Elk Grove, CA

As a Fire Inspector, Ms. Easter's responsibilities included reviewing plans and specifications of commercial and residential projects and fire alarm systems, as well as participating in pre-construction conferences with contractors, homeowners, developers, City and County staff. She also tracked, prioritized, and managed fire and life safety submittals utilizing the Permits Plus database.

Fire and Life Safety Officer II | State of California Division of State Architect, Sacramento, CA

Ms. Easter tracked, prioritized, and managed fire and life safety submittals utilizing the e-Tracker database. She also addressed questions from design professional related to fire code and life safety.

Fire Prevention Specialist II | California Department of Forestry and Fire Protection, Sonoma-Lake-Napa Unit, CA

As a Fire Prevention Specialist, Ms. Easter enforced Fire Codes and Regulations and reviewed building, sprinkler and fire alarm systems plans. She also served as an instructor in the Mini JAC Academy and as a liaison with the State Fire Marshal's Office.

Deputy State Fire Marshal | California Department of Forestry and Fire Protection, State Fire Marshal's Office

Ms. Easter's tasks included preparing comprehensive reports and correspondence and conducting Fire and Life Safety inspections for compliance. She also applied and implemented Fire Codes and Regulations, and was responsible for fire plan review of buildings and fire protection systems.

Fire Inspector II | Sacramento Army Depot Fire Department, Sacramento, CA

As a Fire Inspector, Ms. Easter provided Emergency Service Response and instructed Fire Prevention and First Aid classes for Army personnel.

Fire Prevention Assistant | California Department of Forestry and Fire Protection, Nevada-Yuba-Placer Unit

Ms. Easter accumulated statistical data and performed budget management. She also managed the Fire Information Center, and developed Fire Prevention and Life Safety Exhibits. She was also responsible for training and supervising volunteers.

Curt Itson

Fire Services Specialist



LICENSES & CERTIFICATIONS

Certified Fire Inspector I | ICC 8716000
California State Fire Marshal Fire Prevention Officer I | 771741
California State Fire Marshal Fire Investigator I | 092812
CSFM Firefighter II | 007360
CA P.O.S.T. Peace Officer | B106785
US/OSFM Lead Campus Fire Marshal Designation

EDUCATION

Fire Science Technology
Palo Verde College, Blythe, CA
Fire Science Technology
Mission College, Santa Clara, CA
Administration of Justice
Delta College, Stockton, CA

PROFESSIONAL AFFILIATIONS

International Association of Fire Chiefs
International Association of Fire Fighters
International Association of Arson Investigators
California Conference of Arson Investigators
National Fire Protection Association
NorCal Fire Prevention Officers Association
Council of Campus Fire Marshals

Mr. Itson serves as a fire services specialist for CSG and its client agencies. He has over 25 years of experience in the fire services field. Mr. Itson has served in a variety of fire prevention capacities, held positions of increasing responsibility, and is highly knowledgeable of current codes and procedures.

RELEVANT EXPERIENCE

Fire Services Specialist | Multiple CSG Client Agencies

Mr. Itson has provided plan review services for a number of CSG's clients including the Cities of Tracy, Modesto, and Ceres as well as over-the-counter plan review for the City of Stockton. In addition, he has performed inspections for the Cities of Tracy, Ceres and Dos Palos.

Fire Inspector III | Merced County Fire Department

Mr. Itson conducted plan review and construction inspections of commercial/industrial buildings, and sprinkler and fire alarm systems, and performed code enforcement activities related to local, State, fire and life safety codes and ordinances. In addition, he conducted annual license inspections of day care homes, pre-schools and mental health care institutions ensuring compliance of these buildings with their intended use and with Title 19 of the State Administrative Code.

Campus Fire Marshal (AHJ) | University of California, Berkeley and University of California, San Francisco—Campus and Medical Center

Mr. Itson supervised Deputy Fire Marshals, provided direction to Department Safety Advisors, and acted as a representative of the California State Fire Marshal (by MOU) in enforcement of State rules and regulations concerning fire and life safety. Other duties included conducting plan review and construction inspections at OSFM regulated occupancies as well as OSHPD regulated occupancies. He chaired the Medical Center Fire and Life Safety committee and represented UCSF Medical Center as Fire/Life Safety manager in Joint Commission and California DPH issues. Mr. Itson also supervised fire alarm and fire sprinkler system testing, and completed all State required inspections and reports. In addition, he provided on-going training to staff and students, represented the universities in meetings, and served as a liaison with local authorities.

Various Positions | CAL FIRE, Office of the State Fire Marshal

Mr. Itson served the Office of the State Fire Marshal in positions ranging from **Division Chief** to **Deputy State Fire Marshal**. As a Division Chief for the San Benito–Monterey Unit, Mr. Itson managed financial, personnel, and administrative functions, as well as the Law Enforcement / Fire Prevention Bureau, and supervised Emergency Command Center and Training Bureau Battalion Chiefs. He also authored the Monterey County Fire Plan.

As Battalion Chief and Department Fire Marshal/AHJ, Mr. Itson supervised members of the Law Enforcement/Fire Prevention Bureau; approved all fire prevention, public education and fire inspection/engineering activities; performed detailed plan review and construction inspections; and conducted detailed criminal and internal investigations.

As Captain/Investigator/Fire Prevention Officer for CAL FIRE Santa Clara Unit, Mr. Itson authored the Unit Fire Plan, conducted over 100 fire investigations, and acted as the lead Public Information Officer for CAL FIRE in the San Francisco Bay Area. He also founded the "Diablo" FireSafe Council to help citizens of Alameda and Contra Costa Counties develop fire safe communities.

As a Deputy State Fire Marshal, Mr. Itson's responsibilities included reviewing plans and performing construction inspections on State properties. He was assigned as University Fire Marshal at the University of California, San Francisco where he provided on-site plan review and field inspection of large construction projects at the Medical Center and Campus. Mr. Itson was also assigned as University Fire Marshal for California State University, Monterey Bay and was an instrumental in the successful construction and conversion of the Fort Ord Army Base to the new CSUMB Campus. In addition, he performed detailed plan review and construction inspections at the University of California, Berkeley.

Morten Myers

Fire Services Specialist



LICENSES & CERTIFICATIONS

- CSFM Certified Fire Marshal | 460-8504
- CSFM Certified Fire Prevention Officer
| 160-8504
- CSFM Certified Fire Prevention Specialist
| 260-8504
- CSFM Certified Fire Plans Examiner
| 360-8504
- CSFM Certified Fire Training Instructor
| 10017778 (SFT ID #)
- Certified Fire Plans Examiner
| ICC 8248167
- NCSA Certified California Fire Code
Inspector
| CFC0250.10
- Certified Fire Investigator I
| 881151
- Fire Investigator II
| 870233
- Certified Fire Officer
| 016054
- Certified Fire Instructor I
| 092328

EDUCATION

- Associates Degree, Liberal Arts
Butte Community College
| Oroville, CA

AFFILIATIONS

- Butte County Arson Task Force, Member
- Butte County Critical Incident Stress
Management Team, Member

Mr. Myers has over 22 years of experience working as a Fire Code official, during which time he has gained extensive knowledge and expertise in understanding, interpreting and enforcing Fire and Building related codes. He has served on various code development committees and is experienced with the code development process. He applies the skills and knowledge developed through his experience, and is adept at facilitating the development process within reason while maintaining the safety of the public as intended.

RELEVANT EXPERIENCE

Fire Marshal | Chico Fire Rescue, Chico, CA

Mr. Myers managed the Fire Prevention Bureau, providing public education, code interpretation and enforcement, and fire investigation services to the City of Chico. He also performed plan review for fire alarm systems, automatic fire sprinkler systems, fixed suppression systems and various code-related activities requiring a Fire Code permit. Mr. Myers assisted in the development and implementation of electronic inspection and plan review processes. In addition, he oversaw the successful application and implementation of a FEMA grant for public education, successfully obtaining a Fire Prevention Education Trailer and a Bullex Fire Extinguisher Training Prop.

Associate Instructor | Butte Community College, Oroville, CA

Mr. Myers teaches "Fundamentals of Fire Prevention" for the Fire Science program at Butte College.

Fire Prevention Inspector | Chico Fire-Rescue, Chico, CA

As a Fire Prevention Inspector, Mr. Myers enforced Fire and Building Codes in both permitted and non-permitted occupancies. He developed and implemented public education programs utilizing the concept of education through characterization (Fire Clown) for elementary school children. He also developed investigative skills for determining the origin and cause of fires and processing information obtained for prosecution of arson crimes.

Fire Fighter | Chico Fire-Rescue, Chico, CA

Mr. Myers routinely responded to and mitigated emergencies as well as maintained dexterity as a trained firefighter.

Daniel Najera



Fire Services Specialist

LICENSES & CERTIFICATIONS

ICC Fire Inspector I
JACHO Life Safety Code Surveyor
JACHO Advanced Life Safety Code Surveyor
JACHO Life Safety Code Surveyor ICHDDH

Prior to joining CSG, Mr. Najera had an extensive career with the California State Fire Marshal's Office (CSFM) for over 29 years. In addition to managing the CSFM's Code Development Division, Mr. Najera held numerous other positions with the CSFM, working his way up from the CSFM Regional Offices as a Field Inspector, Plans Examiner, Supervising Field Inspector, and Supervising Plans Examiner. His skills and insights earned him a promotion to CSFM Headquarters where he served as the State Operations Coordinator, Regulations Manager, and Department Safety/Training Officer.

Mr. Najera uses expertise gained during his 38 years of fire plan review and inspection experience to provide CSG's clients with the highest quality of fire protection services.

EDUCATION

Administration of Justice
Sacramento City College
Fire Science, Cosumnes River College
Fire Science, Delta College
California Public Safety Leadership Ethics Program, Santa Rosa Community College
Hazardous Materials Inspections, National Fire Academy, Emmittsburg, Maryland

RELEVANT EXPERIENCE

Supervising Deputy | Office of the California State Fire Marshal

Mr. Najera managed the CSFM's Code Development Division. In this capacity, he was responsible for all research and development that was the basis for rule-making packages for all proposed regulatory actions in Title 19 and 24, California Code of Regulations. In addition, he represented the State Fire Marshal in various industry and stakeholder meetings as well as National Model Code development hearings. Mr. Najera advised the State Fire Marshal on technical and code-related issues and served as primary contact and liaison with other private, state and federal agencies on code-related issues. Mr. Najera is an expert in California Building and Fire Codes.

PROFESSIONAL AFFILIATIONS

Nor Cal Fire Prevention Officers Past
Co-Chair Fire Code Committee
Past Co-Chair Legislative Committee

Assistant Fire Marshal | University of California Davis Medical Center

Mr. Najera was responsible for overseeing the Medical Center's efforts in maintaining JCAHO fire accreditation. He reviewed and approved construction documents for compliance with both state and federal requirements for both Health Care and Physical Plant Buildings, and coordinated plan reviews and inspections of OSHPD and non-OSHPD projects with project managers and other campus personnel. Mr. Najera maintained OSHPD-Inspector certification, attended all OSHPD training sessions and subsequently trained his division personnel to perform construction inspections and fire protection systems-related acceptance tests.

NOTABLE PROJECT EXPERIENCE

Shingle Springs Red Hawk Resort and Casino | Shingle Springs Band of Miwok Indians
Jackson Rancheria Casino Resort | Jackson Rancheria Band of Miwok Indians
Nutrien Ag Solutions | South San Joaquin County Fire Protection District
Olin Chlor Alkali | South San Joaquin County Fire Protection District

David Stevens

Fire Services Specialist



LICENSES & CERTIFICATIONS

Chief Fire Officer
Fire Marshal
Fire Officer
Plans Examiner
Fire Protection Specialist
Fire Prevention Officer
Fire Fighter 1
| California Fire Service Training and
Education System
The Complete Fire Officer | Center for
Public Safety Excellence

EDUCATION

B.S., Fire Protection & Safety
Engineering Technology, Oklahoma
State University | Stillwater, OK
A.S., Fire Technology, Solano
Community College | Fairfield, CA

PROFESSIONAL AFFILIATIONS

Pleasant Valley Fire Safe Council

Mr. Stevens serves as a fire services specialist for CSG and its client agencies. He has over 37 years of experience in the fire services field. Mr. Stevens has served in a variety of fire prevention capacities, held positions of increasing responsibility, and is highly knowledgeable of current codes and procedures. To this role he brings excellent organizational, management, and communication skills.

RELEVANT EXPERIENCE

Deputy Fire Marshal / Fire Prevention Division Supervisor | San Ramon Valley Fire Protection District, CA

Mr. Stevens lead daily operations of the Division which provided public counter/front desk operations, community education, plan intake and review, code compliance and construction inspections, and public records request. He developed an electronic plan review submittal and review process and partnered with a software developer to design and develop a fire prevention application to track and manage plan reviews, inspections, permits, invoicing, and citations. His responsibilities also included reviewing planning and development application from other agencies and meeting with contractors, engineers, architects and other stakeholders to identify and communicate potential fire and life safety impacts to the community.

Additionally, Mr. Stevens trained Emergency Communication Center staff to access and update after-hours emergency contract resources for building/business owners and representatives and partnered with Suppression Staff to ensure fire incidents were appropriately classified according to the National Fire Incident Reporting System standard.

Code Compliance Officer – Fire Prevention Division | San Ramon Valley Fire Protection District, CA

Mr. Stevens conducted plan reviews and inspections to ensure that projects met Fire Building Codes. He developed partnerships with building/business owners and managers to educate them about the Fire and Building Code compliance and implement best-know risk reduction practices. He also participated in accident and injury reviews in accordance with the Injury Illness Prevention Program (IIPP) and developed and delivered training materials for peers and supervisors.

Fire Protection & Life Safety Engineer | Intel Corporation, Folsom, CA

Mr. Stevens developed design specifications and developed scope for projects and reviewed submitted plans from architectural and engineering firms. He supervised Fire and Life Safety Technicians and reviewed and assigned preventative and emergency maintenance for passive and active Fire and Life Safety systems and managed an Emergency Response Team as a Site Coordinator. He also responded to facility emergencies, developed business group and site-wide drills for business continuity, and acted as a liaison between facility and city staff to ensure compliance with planning, building, and fire code requirements.

Assistant Chief – Fire Prevention | Cordelia Fire Protection District, Fairfield, CA

Mr. Stevens performed plan reviews and site inspections, and ensured Fire and Life Safety Codes were met. He developed local ordinances and fee schedules for plan checks, inspections, and permits. He also managed fire trail/road maintenance program in partnership with the California Department of Forestry and Fire Protection Fire Crew and responded to emergencies as a company officer.

J. Scott Mitchell PE



Fire Protection Engineer

LICENSES & CERTIFICATIONS

Fire Protection Engineer
State of California | FP-1559

Fire Protection Engineer
State of Texas | 98805

Fire Protection Engineer
State of Nevada | 018336

Fire Protection Engineer
State of Arizona | 47057

EDUCATION

Bachelor of Science, Engineering
Technology/Fire Protection & Safety
Technology
Oklahoma State University
| Stillwater, OK

AFFILIATIONS

National Society of Fire Protection
Engineers (SFPE)
National Fire Protection Association
(NFPA)
American Society of Civil Engineers
(ASCE)

Mr. Mitchell serves as a Fire Protection Engineer for CSG Consultants. He has over 20 years of engineering experience in the fire protection field. Experience gained through extensive work throughout the United States has prepared Mr. Mitchell to handle challenging and unique projects of all sizes.

Mr. Mitchell is also a Principal Member of the NFPA 13 Technical Committee on Hanging and Bracing of Water-Based Fire Protection Systems.

RELEVANT EXPERIENCE

Senior Fire Protection Project and Design Engineer | Consolidated Nuclear Security | Oak Ridge, TN & Amarillo, TX

As the Senior Fire Protection Project and Design Engineer, Mr. Mitchell's responsibilities included developing statements of work, specifications, drawings, Commercial Grade Dedication plans, and inspection/acceptance test procedures for design and construction contracts for the US Nuclear Weapons Complex.

Principal Fire Suppression System Designer, Specifier, and Consultant | Protection Design and Consulting | San Diego, CA

Mr. Mitchell's services included the preparation of construction documents, quality assurance and contract administration for architectural contracts, construction management and dispute mediation for system installations and forensic consulting.

Fire Protection Engineer | American Fire Sprinkler Association | Dallas, TX

Mr. Mitchell provided informal interpretations of fire protection codes and standards, instructed fire sprinkler design classes, conducted research in technological development, and conducted fire modeling using computational fluid dynamics.

Fire Systems Review Specialist | McKinney Fire Department | McKinney, TX

Mr. Mitchell performed and reviewed calculations for fire protection systems, evaluated fire pump and water supply data, conducted fire systems field inspections and witnessing acceptance testing, and reviewed of site and building plans for compliance.

Fire Protection Assistant | Dallas Building Inspection | Dallas, TX

Mr. Mitchell's responsibilities included reviewing fire protection system shop drawings and calculations, evaluating fire pump and water supply data, and witness fire systems inspections and acceptance tests.

KEY PROJECTS

High Pressure Fire Loop (HPFL) Replacement Project

Mr. Mitchell was the Project and Design Engineer for the construction project replacing 18,000 linear feet of degraded ductile iron pipe with High Density Polyethylene (HDPE) pipe using open trench and Horizontal Directional Drilling (HDD) installation methods. The project also included two new water supply tank and pump facilities. HPFL Structures, Systems, and Components (SSC) are credited as Safety Class requiring the highest level of quality assurance as prescribed by ASME NQA-1, *Quality Assurance Requirements for Nuclear Facility Applications*. Mr. Mitchell also analyzed single-point failures and failure modes/effects for design input. The construction cost for this project as \$50 million.

HPFL Fire Suppression System Lead-In Replacement Projects

Mr. Mitchell was the Project and Design Engineer for design and construction projects replacing degraded fire suppression system supply piping with HDPE using open trench and tunneling installation methods for over 100 plant facilities. The projects included reliability enhancement for critical facility deluge fire suppression systems. The design and construction quality adhered to ASME NQA-1 requirements. The project cost was \$500,000 per facility.

Ronald Estrada FPE



Fire Protection Engineer

LICENSES & CERTIFICATIONS

Fire Protection Engineer, CA
FP1602
Mechanical Engineer, CA
M30564
Engineer in Training
XE091397
ICC Building Plans Examiner
1108617-60
ICC Fire Code Inspector
1108617-65
Fire Prevention 1A, 1B, 1C, 3B
Fire Investigation 1A
Penal Code 832 (Laws of Arrest, Search, &
Seizure)
FEMA: ICS-100, ICS-200, IS-700, IS-800, IS-5

EDUCATION

Bachelor of Science, Mechanical
Engineering
Holy Angel University
Angeles, Philippines

AFFILIATIONS

United States Air Force (USAF)

Mr. Estrada serves as a Fire Protection Engineer for CSG Consultants. He has over 27 years of engineering experience. This experience includes approving complex fire protection engineering designs such as fire sprinkler systems, standpipe systems, fire pumps, CO2 systems and wet and dry chemical systems based on Building Code, Fire Code and NFPA standards. Mr. Estrada has over 10 year's experience reviewing site development plans and specifications for new or existing structures and providing reviews and comments in order to approve fire modeling and engineering calculations such as time egress, fire development, smoke control and exit enclosure.

Mr. Estrada oversaw fire protection reviews and inspections on various complex projects such as: San Jose International Airport, aircraft hangars, complex large apartments commercial fuel stations and Industrial structures such as IBM, Hitachi, Samsung. He has made a career of providing quality solutions that are economical for contractors and end users.

RELEVANT EXPERIENCE

Fire Prevention Inspector | Milpitas, CA

As the Fire Prevention Inspector, Mr. Estrada's responsibilities included reviewing plans and specifications of proposed buildings for adherence to Federal, State, and local fire safety ordinances. Providing input on engineering base risk and hazard analysis on new large construction projects such as multi-story residential, office, laboratories and industrial structures. Ensuring that construction safety such as excavation on high pressure gas lines, underground electrical supply, and other utilities are observed during construction. Mr. Estrada was also in charge of reviewing site development plans for new and existing structures to ensure adequate water supply, and make sure fire department access is in compliant and adequate for fire department vehicles and emergency response personnel.

Senior Fire Protection Engineer | San Jose, CA

As the Senior Fire Protection Engineer, Mr. Estrada performed preliminary reviews of design drawings to ensure code compliance and recommended solutions on difficult technical challenges as requested by architects, engineers, developers and the public. Mr. Estrada supervised and managed plan reviews and inspections with an average of 7,000+ plan reviews and 10,000+ annual construction inspections. He provided consultation to the local, state, and federal light rail system project called Bay Area Rapid Transit (BART) – a 16-mile extension project from Fremont, California to San Jose, California comprising of 3-mile long both underground and aboveground light rail stations.

Associate Engineer | San Jose, CA

As the Associate Engineer, Mr. Estrada reviewed and approved construction permits, reviewed and inspected fire protection systems, such as, fire alarms, fire suppression, building life safety and smoke control systems. He reviewed water-based and non-water-based fire suppression systems such as, foam and underground piping. He provided code interpretations to design and construction professionals while constructions documents were being developed.

Project Experience and References

PROJECT EXAMPLES

The following is a small sampling of projects for which CSG has performed fire prevention services.

ENTERTAINMENT & SPORTS CENTER | CITY OF SACRAMENTO, CA

CSG provided fire plan review and fire protection engineering services for the new Entertainment Sports Center located in downtown Sacramento. This \$477 million, indoor multi-use facility totals 745,000 sq. ft. and will seat 17,500 individuals. CSG provided plan review services with a 3-4-day turnaround time due to an expedited project schedule.



DOWNTOWN PLAZA: 560 J STREET | CITY OF SACRAMENTO, CA

CSG provided fire plan review services for this 16-story, 591,000 sq. ft. high-rise tower with two levels of underground parking. The building is composed of mixed-use occupancies consisting of retail, restaurants, offices, hotel and residential uses. The Downtown Plaza is located adjacent to the City’s new Entertainment & Sports Center.

JACKSON RANCHERIA HOTEL AND CASINO | JACKSON RANCHERIA BAND OF MIWUK INDIANS

A successful hotel/casino operation in the foothills of Northern California, the Jackson Rancheria Hotel and Casino had expanded the original casino building in the past utilizing fire walls in accordance with the model code. As casino operations became more popular, gaming consultants were brought in to maximize the potential of the gaming floor. The past use of firewalls was seen as detrimental due to the resulting compartmentalization of the gaming floor. Further complicating the expansion efforts were the proximity of an adjacent parking structure and administrative building to the expanded casino building. The building design professional for this phase of expansion created a largely open gaming floor without the use of fire walls.



CSG staff, serving as the onsite fire marshal for construction and renovation projects, met with design professionals and provided technical advice to develop an alternate means of protection significantly increasing the floor area for gaming without incorporating a fire wall. CSG fire professionals teamed with the fire protection system contractor to develop criteria for a deluge system intended to protect against the spread of fire due to radiant heat transfer. The resulting code equivalency was implemented, utilizing sound principles in the placement of the means of egress, travel distances, active fire protection systems and an increase in built-in fire protection of the structure.

1827 J STREET | CITY OF SACRAMENTO, CA

CSG provides fire plan review to this 11-story, 130,000 sq. ft. mixed use with 173 apartment units and approximately 7,000 sq. ft. or retail on the ground floor. This building will have smoke control systems for the corridors, pressurized stairwells and a fire fighter breathing air system.

SUMMERSET MEMORY CARE AND ASSISTED LIVING FACILITY | CITY OF LINCOLN, CA

CSG performed a building and fire review for Summerset Assisted Living and Memory Care a 142,494 sq. ft. facility. The memory care portion will provide a 66-unit memory care facility able to house 719 occupants. The 90,820 sq. ft. 114-unit three story assisted living facility will have the ability to house 952 occupants. Type VA fully sprinklered.



IFLY | CITY OF ROSEVILLE, CA

CSG performed a complete building and fire review of an Indoor Skydiving Simulator; it is the first of its kind in the greater Sacramento area. The construction type is II-B one story above grade the gross building area is 4,967 sq. ft., the return air tower is 757 sq. ft. for a total of 5,725 sq. ft. The total height of the structure is 56 ft with 34 ft of the structure above grade. A separate Return Air Tower (RAT) wall is framed from precast concrete wall elements. In addition to that, CSG also performed Sprinkler and alarm reviews

AMAZON FULFILLMENT CENTERS | CITIES OF SACRAMENTO, RICHMOND, AMERICAN CANYON, OAKLEY, GILROY, TRACY, & ORANGE, CA

CSG has performed fire plan review for Amazon Fulfillment Centers throughout the State of California. The fulfillment center in the City of Sacramento, for example, included review of an 856,650 sq ft, 4-level RSP structure, with a process mezzanine, high-piled combustible storage (up to 35 feet), and was non-combustible Type B construction.



VETERANS AFFAIRS OUTPATIENT CLINIC | CITY OF MARINA, CA



CSG provided complete building and fire plan review for this integrated Department of Veterans Affairs and Department of Defense joint health-care clinic, the first in California. This new 146,000 sq. ft., three-story structure on 14.3 acres will serve as a state-of-the-art medical clinic. The facility provides primary and specialty care to including subspecialty clinics, audiology, indoor and outdoor physical therapy, occupational therapy, a mental health center, and imaging and laboratory space. This project achieved LEED Gold certification.

1440 MULTIVERSITY CENTER | CITY OF SCOTTS VALLEY, CA

This project involved reconditioning, repurposing, rebuilding of seven old structures that previously made up a private college campus. In addition to the reconditioned buildings, there are also four new buildings to replace previously lost buildings, or to add additional program capabilities. Structures range in uses from the administrative lodge building, to dormitories, meeting rooms, a large commercial kitchen and dining hall, fitness center, healing center and outdoor auditorium. All structures have been updated to the current building and fire codes and as a result, have been retrofitted with fire sprinkler systems and fire alarm systems. CSG staff were responsible for fire plan reviews for all phases of the building and grounds (e.g., access, water supplies and fire lanes) including assistance during project design. Plan reviews included CASp, water system upgrade and replacement, fire sprinkler systems, fire suppression systems and fire alarm systems. In addition, CSG’s team performed CASp, building and fire inspections.



REFERENCES

Our track record of success with our clients is outstanding and we encourage you to contact our references with any questions or clarification you might require. The following is a partial list of references for which CSG has provided similar services as those requested by the Department.

City of Sacramento

Jason Lee, Fire Marshal
Sacramento Fire Department
5770 Freeport Blvd, Suite 200, Sacramento, CA 95822
(916) 808-1620
jlee@sfd.cityofsacramento.org

Consulting Services, Fire Plan Review, Inspection, and Counter Services
2012–Ongoing

City of Chico

Steve Standridge, Fire Chief
411 Main Street, Chico, CA 95928
(530) 897-3400
chicofire@chicoca.gov

Fire Plan Review and Inspection
2017–Present

South San Joaquin County Fire Authority

Tim Spears, Fire Marshal
835 Central Ave., Tracy, CA 995376
(209) 831-6707
tim.spears@cityoftracy.org

Building & Fire Plan Review and Staffing Services
2015–Ongoing

Orange County Fire Authority

Tim Kerbrat
Deputy Fire Marshal
1 Fire Authority Road
Irvine, CA 92602
(714) 573-6100
timothykerbrat@ocfa.org

Fire Plan Review Services
2013–Ongoing

City of Lincoln

Tolan Dworak
Fire Marshal
600 Sixth Street
Lincoln, CA 95648
(916) 645-4040
tolan.dworak@lincolnca.gov

Building & Fire Plan Review and Inspection Services, Fire Marshal Services
2016–Ongoing

City of Richmond

Eric Govan, Fire Marshal
Richmond Fire Department
440 Civic Center Plaza, Richmond, CA 94804
(510) 307-8046
eric_govan@ci-richmond.ca.us

Building and Fire Plan Review, Inspection and Counter Services
2013–Ongoing

City of Modesto

Sarah Sandobal, Deputy Fire Marshal
1010 10th Street, Modesto, CA 95354
(209) 544-1652
ssandobal@modestofire.com

Fire Plan Review
2018–Ongoing

City of Moreno Valley Fire

Doug Bloom
Fire Marshal
14177 Frederick Street
Moreno Valley, CA 92553
(951) 413-3370
dough@moval.org

Building & Fire Plan Review Services
2017–Ongoing

Fee Schedule

SECTION **6**

CSG’s hourly rates for proposed work is provided in the table below.

REVIEW TYPE / ROLE	FEE / HOURLY RATE
Fire Prevention Plan Review (Fire Prevention Specialist)	\$135/hour
Fire Prevention Inspection (Fire Prevention Specialist)	\$135/hour
Fire Protection Engineering Review (Fire Protection Engineer)	\$250
Fire Permit Technician Services	\$100
Expedited Fire Plan Review	1.5 x Hourly Rate

All hourly rates include salaries, benefits, workers compensation insurance, local travel and miscellaneous office expenses. Should the scope of work change, or circumstances develop which necessitate special handling, CSG will notify the Department prior to proceeding. Overtime services will be billed at 1.5x the applicable hourly rate. On July 1 of each year, CSG will initiate a rate increase based on change in CPI for the applicable region. CSG will mail an invoice every month for services rendered during the previous month. Unless otherwise agreed, payment terms are 30-days from receipt of invoice.



Cameron Park
Community Services District



Agenda Transmittal

Date: Sept 5th, 2023
From: Kalan Richards, Fire Marshal
Agenda Item #: Fire Prevention Report
Recommended Action: Receive and File

Cameron Park Fire Prevention Inspections

<i>Monthly Totals – July 2023</i>		
<i>Inspection Hours</i>	<i>Total Violations</i>	<i>Corrected Violations</i>
12	18	13

Cameron Park Fire Department Prevention Report

- Fire Department and CSD Staff met with CSG consulting to explore prevention services for the district. CSG provided a proposal and outline of services. Services include plan intake, state regulated inspections, business inspections, plan review, acceptance tests and site inspections.



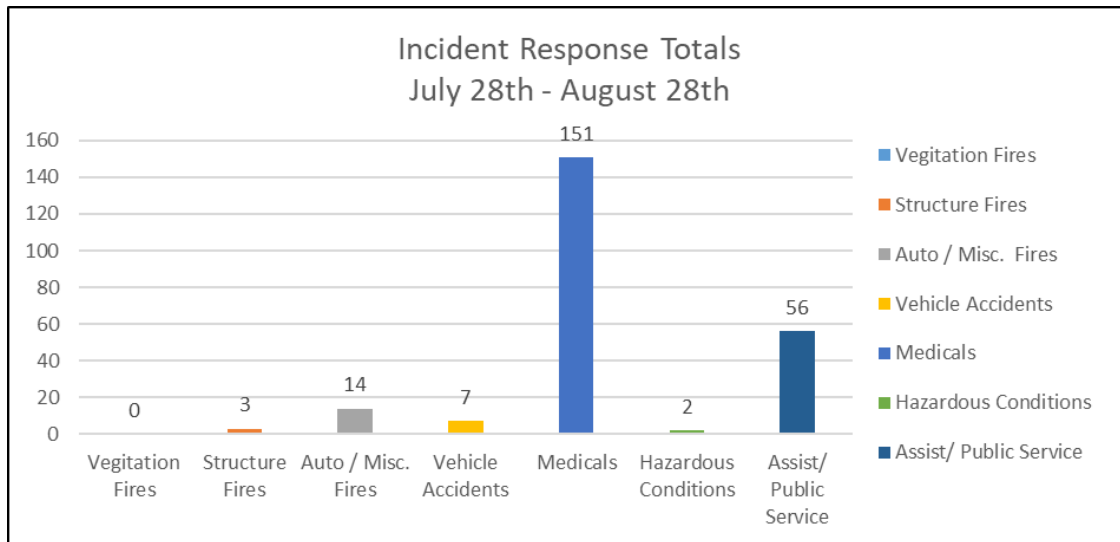
Cameron Park
Community Services District



Agenda Transmittal

Date: September 5th, 2023
From: Kalan Richards, Battalion Chief
Agenda Item #2A: Fire Department Report
Recommended Action: Receive and File

Cameron Park Fire Department Incident Totals



Total Incident Count Comparatives:

Monthly	July 2023	August 2023	Increase
	229	233	1.7%
Yearly	August 2022	August 2023	Decrease
	271	233	16.3%
YTD	YTD 2022	YTD 2023	Decrease
	2323	2048	13.4%

Response Statistics – 8 Medic Units

Total Response by Medic Unit (includes Move-Ups)								
	M17	M19	M25	M28	M49	M61	M85	M89
January 2023	249	298	342	375	0	239	321	309
February 2023	203	274	318	341	0	236	280	273
March 2023	177	230	311	301	116	172	256	253
April 2023	168	189	292	216	261	137	242	223
May 2023	125	205	305	241	264	149	281	236
June 2023	181	200	283	220	252	156	231	199
July 2023	212	219	294	248	259	161	243	234
Total Incident Response by Medic Unit								
January 2023	176	156	300	276	0	120	274	290
February 2023	166	147	280	263	0	131	217	246
March 2023	146	135	281	239	98	125	234	238
April 2023	152	94	272	170	213	89	222	212
May 2023	116	104	276	196	215	107	262	222
June 2023	140	106	264	185	221	115	223	190
July 2023	140	124	271	203	229	129	221	220
Total Medical Response by Medic Unit								
January 2023	167	147	288	270	0	108	270	281
February 2023	160	140	275	254	0	119	216	236
March 2023	140	131	270	232	94	112	229	233
April 2023	149	93	266	166	211	82	221	206
May 2023	112	99	265	188	213	99	262	216
June 2023	135	104	254	180	209	106	215	185
July 2023	135	109	258	191	222	114	212	211
Total Transport Response by Medic Unit								
January 2023	101	94	186	168	0	67	152	172
February 2023	107	90	179	166	0	72	136	165
March 2023	100	77	189	139	66	60	149	159
April 2023	94	63	187	119	144	62	152	143
May 2023	80	60	191	130	155	65	159	154
June 2023	97	57	181	131	144	61	145	128
July 2023	92	76	181	139	159	71	133	145

Cameron Park Fire Department Operations and Administration Report

- Los Santos Structure Fire

On August 1st ,B2705, E89, and E89 with a standard structure fire response, was dispatched a residential structure on Los Santos Rd. B2705 arrived to find a single-story residential structure with heavy fire showing from the exterior that had involved the garage, attic, and living space. The fire also spread to the attic of the next-door neighbor. Multiple attack lines were deployed at both structures with an offensive fire attack. Fire was contained within 30 minutes and controlled within 3 hours. Heavy fire damage was noted to the house of fire origin in the garage, living room, exterior deck and siding, and kitchen area. The second house that was an exposure had moderate damage to the attic space however the contents of the interior of the home were held to minor damage. Red Cross responded to the scene and was able to assist all effected occupants with temporary lodging needs and logistical support.

- Oakleaf Structure Fire

On August 4th ,B2715, E88, and E89 along with a full structure response, were dispatched to a residential structure fire on Oakleaf Dr. On arrival, E88 found a single story, single family, residence with smoke coming out of the eaves and the front door. Multiple rooms and contents along with the attic were burning and smoke was banked down to knee level. Incident resources made an aggressive fire attack, search, vertical ventilation, salvage, and overhaul. The family dog was rescued during the search.

- Overtime per month 2022 vs 2023

- July 2022 - 41 days
- July 2023 - 29 days
- August 2022 - 54 days
- August 2023 - 40 days
- September 2022 - 58 days
- September 2023 - 36 days

- JPA Update

A RFP was sent out to all fire agencies in El Dorado County with a closing date of September 30, 2023. A committee of outside personnel has been established to evaluate the received proposals. The results will then be presented to the JPA Board of directors on October 11, 2023. The RFP stated that the submitting agency will need to be able to take over service as of 11/15/23.