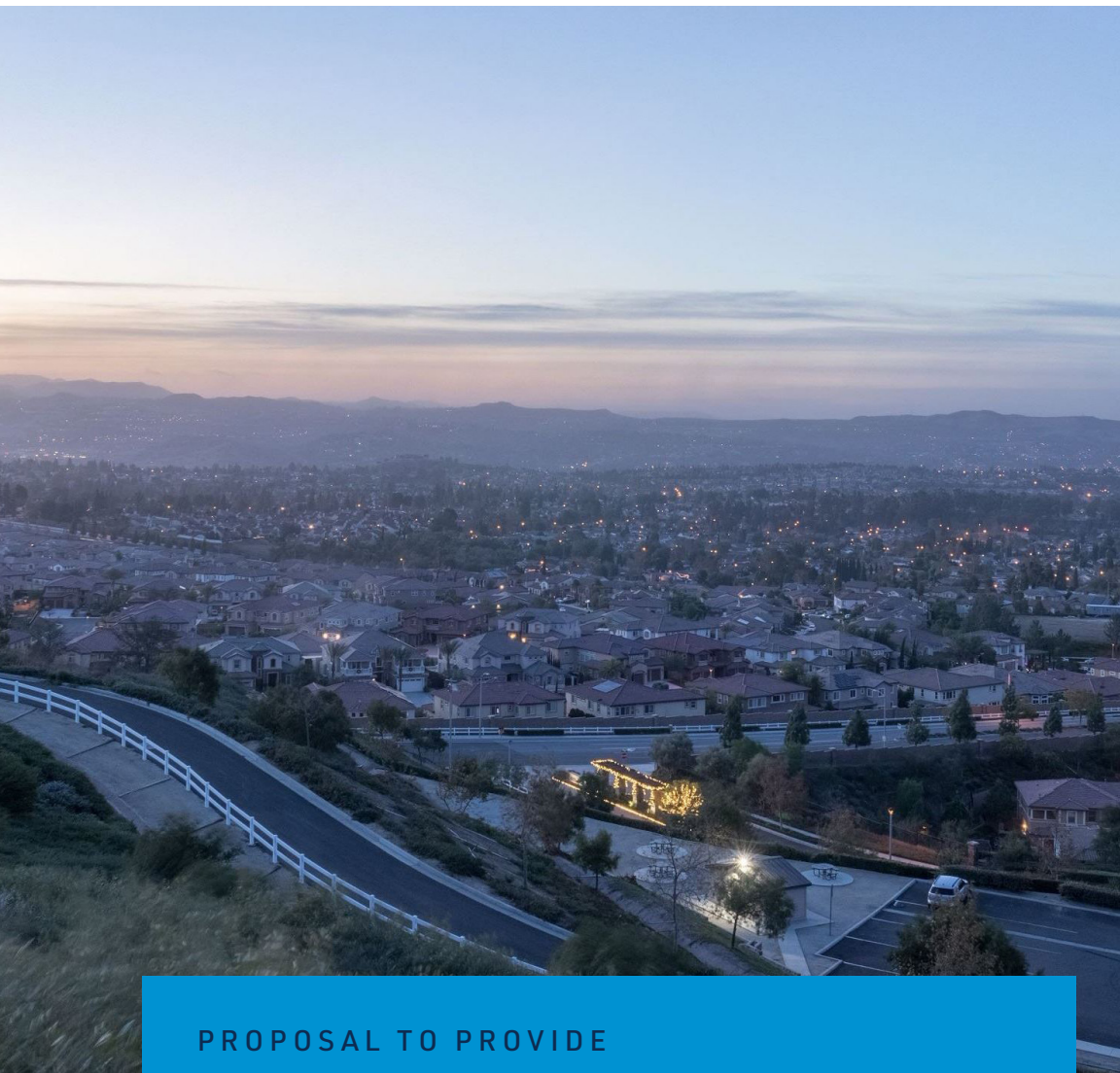


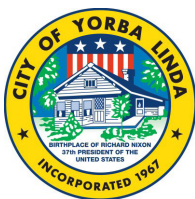
APRIL 21, 2022



PROPOSAL TO PROVIDE

PROJECT MANAGEMENT AND CONSULTING SERVICES FOR SAFETY MITIGATION EFFORTS

SUBMITTED TO



SUBMITTED BY
MICHAEL BAKER INTERNATIONAL
5 Hutton Centre Drive, Suite 500 • Santa Ana, CA 92707

Michael Baker
INTERNATIONAL

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Scope #1 General Plan - Safety Element

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Scope #3 Emergency Operations Plan Update

Scope #4 CAL FIRE Prevention Grant



A. COVER LETTER



PROJECT MANAGEMENT AND CONSULTING SERVICES FOR SAFETY MITIGATION EFFORTS

APRIL 21, 2022

Colleen Callahan
City of Yorba Linda
4845 Casa Loma Avenue
Yorba Linda, CA, 92886
Submitted via email

RE: Proposal to Provide Project Management and Consulting Services for Safety Mitigation Efforts

Dear Ms. Callahan,

The City of Yorba Linda (City) is looking for a partner to increase wildfire resiliency and safety within its jurisdiction. A comprehensive plan is needed due to the City's large border with Chino Hills State Park and the challenges that are associated with wildfire risk, land management, and vegetation maintenance. Michael Baker International, Inc. (Michael Baker) understands your need to update and integrate your General Plan - Safety Element, Local Hazard Mitigation Plan, Emergency Operations Plan, and CAL FIRE Prevention Grant deliverables into a streamlined work process. The City is home for many of our staff members and we have a strong desire and vested interest to make a difference and partner with you to establish consistency with all safety related documents.

Michael Baker has a history of preparing and delivering safety and hazard mitigation planning services while making sure grant requirements, such as scheduling and financial tracking, are met. Michael Baker's breadth and depth of experience will provide the City with an integrated, effective, and user-friendly Safety Mitigation Plan.

Our history in supporting Orange County municipalities with both planning and hazard mitigation is strengthened by our experience in long-range, adaptation, and emergency response planning. Our local team consists of highly passionate professionals, who approach planning projects with straightforward goals: at the end of our projects, clients have the skills and abilities to pursue mitigation actions and implementation actions that make the City safer and more resilient. Michael Baker specifically designs policies, mitigation actions and implementation actions to integrate with current programs and activities at the City (instead of adding to them). Our approach to this project will provide the City with an updated Safety Element and Emergency Operations Plan (EOP), along with a brand new Local Hazard Mitigation Plan (LHMP) to serve the community into the future. These documents, coupled with an active and multi-year fire prevention/maintenance program will increase the City's resiliency.

The City will gain these benefits when teaming with Michael Baker on this critical program—which are discussed in detail in the Project Approach section starting on page 33 of this proposal:

- **A Local Firm with a National Resiliency Perspective:** This project will be initiated by a local team, with a strong grasp of hazards and environmental issues that affect the City—both specific to Yorba Linda and the larger southern California region.
- **A FEMA-Selected Community Engagement and Risk Communication Contractor (CERC):** Michael Baker has a national contract with FEMA for which key project staff members are currently providing mitigation support to FEMA Region IX on a daily basis.
- **Innovative and Streamlined Community Engagement and Outreach:** In addition to our hazard and resiliency services, Michael Baker has a suite of community outreach options to meet the needs of the City.
- **Federal and State Grant Funding Experts:** Through the identification and development of mitigation actions that will make the City more resilient, Michael Baker's team will rely on their experience with obtaining grant funding to identify potential funding mechanisms, including FEMA grant programs or other state/federal programs for the City.

MICHAEL BAKER AND OUR TEAM OFFER THE CITY THE FOLLOWING:



INTEGRATED IN-HOUSE MULTI-DISCIPLINARY TEAM

Our multidisciplinary team's success is based on creative problem solving, proper use of technology, and relevant experience. Michael Baker's team includes experienced hazard mitigation and emergency planners, biologists, restoration ecologists, environmental planners, geographic information system (GIS) specialists, transportation/evacuation planners, and outreach/communication experts who will serve as an extension of City staff. Our team is completely made up of Michael Baker full-time staff—ensuring consistency and a continuity of resources. This benefits the City as all documents are consistent, build upon each other, and each document becomes a usable resource for City Staff and the community.



FAMILIARITY WITH THE CITY'S POLICIES, PROCEDURES, AND GOALS

Through our past projects we have provided various services to the City, County of Orange, California State Parks, and other local municipal clients where we have come to know the community and its needs. This safety mitigation effort will be initiated through a strong grasp of hazards affecting the City. By achieving a thorough analysis on all safety mitigation, the City will become a safer more resilient community.



EXPERTISE IN SAFETY AND HAZARD MITIGATION PROGRAMS

Michael Baker has prepared Hazard Mitigation Plans (HMP) and fire planning services throughout California and nationwide through our on-call FEMA contract. We will work alongside the City to meet required timelines and implement the City's goals in compliance with grants. We will make sure the City meets all requirements through all phases of grant management.

Michael Baker looks forward to supporting the City's safety and mitigation efforts. Our assigned Program Manager, Mr. Richard Beck, is authorized to submit proposals on behalf of Michael Baker. If you have questions regarding our submittal, please do not hesitate to contact Mr. Beck at 949.680.9355 or rbeck@mbakerintl.com.

Sincerely,
MICHAEL BAKER INTERNATIONAL, INC.



Richard Beck
Vice President/Program Manager
rbeck@mbakerintl.com | 949.680.9355



David Reel
Vice President, West Regional Practice Lead - Planning
david.reel@mbakerintl.com | 415.519.2203



B. COMPANY DATA



FIRM OVERVIEW

INTRODUCTION

Michael Baker International is a leading provider of consulting services including construction management and inspection, environmental compliance (CEQA/NEPA), planning, engineering, architectural, land surveying, and related services. Celebrating 80 years of service to local, state and federal clients, we have been solving some of the nation's most complex challenges with a legacy of expertise, experience, innovation and integrity. The firm has nearly 100 offices and over 3,500 employees nationwide,



1. Official Name and Address

Michael Baker International, Inc.
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707

2. Primary Point of Contact

Richard Beck, Program Manager
5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
O: 949.855.3687 | rbeck@mbakerintl.com

3. Entity

Pennsylvania C Corporation

4. Federal Tax Id Number

25-1228638



5. Firm Locations

Michael Baker currently has 100 locations nationwide including nine offices in Southern California:

Carlsbad: 5050 Avenida Encinas, Ste. 260,
Carlsbad, CA 92008, 760.476.9193

Long Beach: 3760 Kilroy Airport Way, Ste. 270,
Long Beach, CA 90806, 562.200.7165

Los Angeles: 801 South Grand Ave, Ste. 250,
Los Angeles, CA 90017, 213.627.8645

Ontario: 3536 Concourse Street, Ste. 100,
Ontario, CA 91764, 909.974.4900

Palm Desert: 75-410 Gerald Ford Drive, Ste.
100, Palm Desert, CA 92211, 760.346.7481

San Diego: 9755 Clairemont Mesa Blvd., Ste.
100, San Diego, CA 92124, 858.614.5000

**Santa Ana: 5 Hutton Centre Drive, Ste. 500,
Santa Ana, CA 92707, 949.472.3505**

Temecula: 40810 County Center Drive, Ste.
200, Temecula, CA 92591, 951.676.8042

Thousand Oaks: 2945 Townsgate Rd, Ste. 200,
Thousand Oaks, CA 91361, 805.383.3373

with 12 offices and 570 employees located throughout California. Our staff has worked in the geographic areas within the counties of Orange, Los Angeles, Riverside, San Diego, Napa, Lake, Butte, Shasta, Yuba, Nevada, Ventura, and Santa Barbara. We serve as a trusted adviser to the communities we serve, making them safer, more accessible, more sustainable and more prosperous.



6. Ownership Status

Michael Baker International, Inc. is owned 100% by Michael Baker International HOLDCO Corporation and is incorporated in the State of Pennsylvania.

7. Number of Years in Business

Michael Baker has been in business for more than 82 years.

8. Years of Relevant Experience

Michael Baker has been providing hazard mitigation services to our clients for over 50 years.

9. Failures/Refusals to Complete a Contract

Michael Baker has never failed or refused to complete a contract.

10. Ownership Interest

Michael Baker International, Inc. is owned 100% by Michael Baker International HOLDCO Corporation.

11. Financial Interests in Other Lines of Business

Michael Baker does not have any financial interests in other lines of business.

12. Claims for Money or Damages

Michael Baker is a large firm working on a variety of complex planning, engineering, architecture and construction projects at any given time. Through the normal course of business, we can become involved in litigation or claims—not untypical for the work we perform. It is not anticipated that any such litigation would have an effect on the firm's ability to perform the services contemplated under this proposal. Our legal department may make certain non-confidential information regarding litigation or claims available upon direct written request.

13. Litigation/Adverse Judgment History

Please see response to Question #12.

14. Termination of Contract "For Cause."

There are no instances in the past five years of terminated from a contract "For Cause."



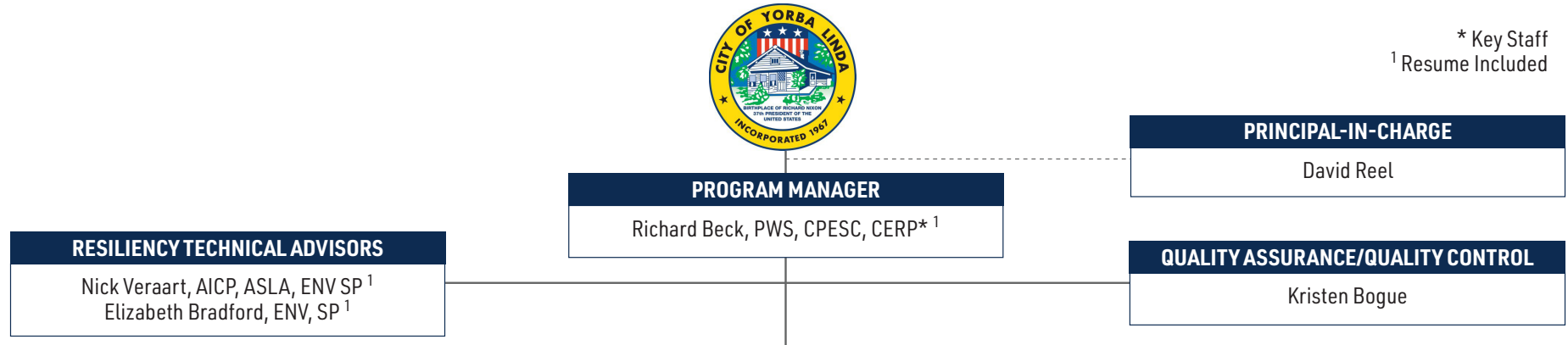
C. ORGANIZATIONAL CHART



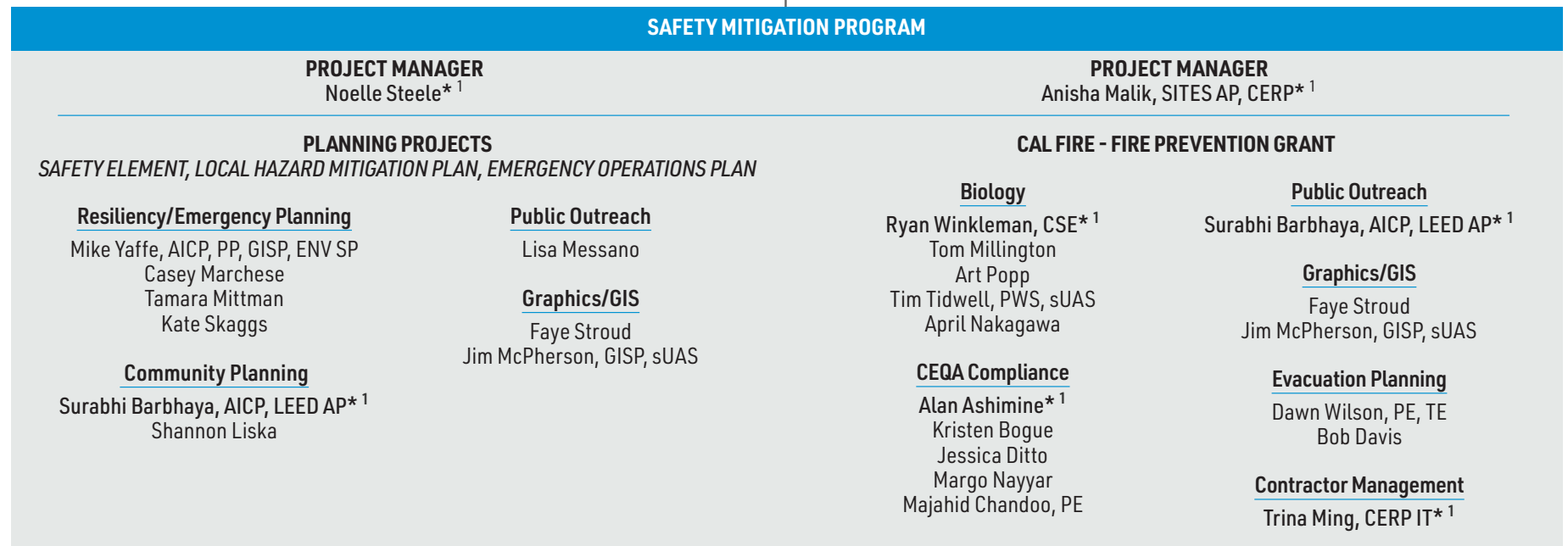
C. ORGANIZATION CHART

An In-House Team with Multi Disciplinary Resources to Integrate the City's Safety Mitigation Efforts

The team we have assembled for the City is made up entirely of in-house professionals with the multi-disciplinary resources to integrate the required documents to provide a successful Safety Mitigation Plan.

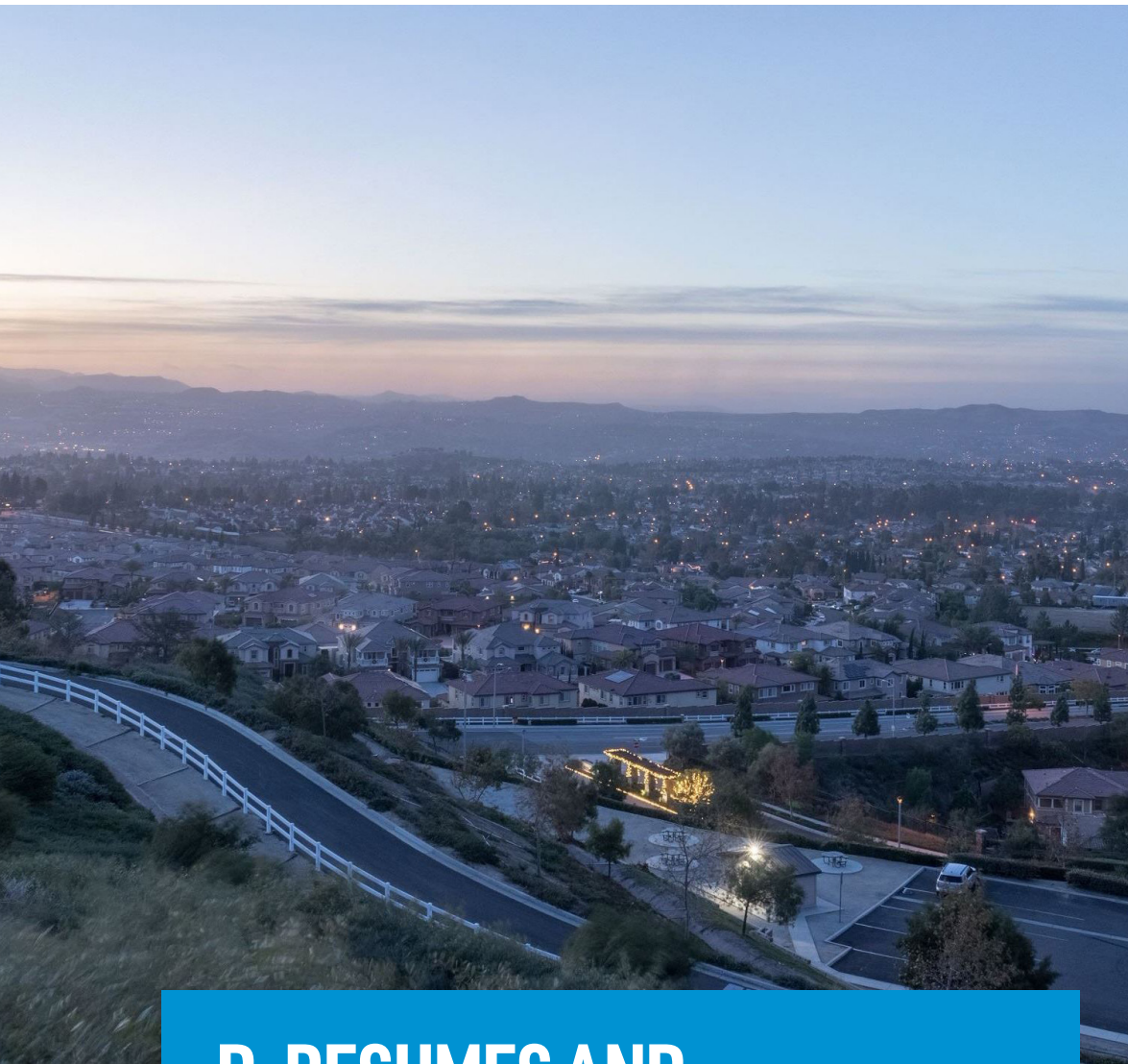


* Key Staff
1 Resume Included



KEY PERSONNEL CHANGES

We understand that key personnel are to remain during the term of the agreement and, if circumstances arise out of our control, a transition plan will be presented to the City. Key personnel will not be substituted without prior written approval to the City.



D. RESUMES AND QUALIFICATIONS OF PERSONNEL



PERSONNEL STAFFING PLAN

Our team, as shown in the organizational chart in Section C, includes professionals from our firm with extensive experience working on safety mitigation projects for clients throughout California. In addition, Michael Baker has 425 Planners and more than 3,500 professionals firmwide to be drawn upon as needed for this project. The proposed team includes a strong bench of Michael Baker's in-house, multi-disciplinary experts from our planning, environmental, GIS, and community outreach practices. Key leaders and staff are identified in the bios below and full resumes have been provided on the following pages.



1 | Richard Beck, CEP, PWS, CPESC, CERP

PROGRAM MANAGER, *BA, Environmental Studies*. As Program Manager Mr. Beck will use his more than 22 years of experience (21 years with Michael Baker) in regulatory and environmental disciplines—specifically associated with natural disasters associated with flood and fire—to oversee the project including the team and will lead this project through to a successful outcome.

2 | Noelle Steele

PROJECT MANAGER - PLANNING PROJECTS, *MUP, Urban Planning and Development*. Ms. Steele brings over eight years of experience in hazard mitigation and vulnerability analysis services to manage the implementation of the City's planning projects and to integrate required documents in the City's Safety Mitigation efforts. She has served as Project Manager for several award-winning hazard projects throughout southern CA.

3 | Anisha Malik, SITES AP, CERP

PROJECT MANAGER - CAL FIRE - FIRE PREVENTION GRANT, *BS, Chemistry*. Leveraging her nine years of experience, Ms. Malik leads Michael Baker's Restoration Ecology discipline. The majority of her work includes project management for OC Public Works and CALOES/CalRecycle with vegetation maintenance, monitoring, and restoration services.

4 | Surabhi Barbhaya, AICP, LEED AP

COMMUNITY PLANNING/PUBLIC OUTREACH, *MCP, Land Use Planning*. Ms. Barbhaya brings more than 18 years of experience in urban planning and design and uses this experience to influence meaningful public engagement which can lead to ownership of projects by the community. Acceptance by the community will assist the City in successfully implementing your safety mitigation program.

5 | Ryan Winkleman, CSE

BIOLOGY, *BS, Ecology and Evolution*. Mr. Winkleman has over 18 years experience providing biological services in both laboratory and field settings. He is the co-author of the Audubon's Orange County Annual Bird Summary. Mr. Winkleman's knowledge of environmental regulations and compliance challenges will assist the City by ensuring smooth integration of all planning documents.

6 | Alan Ashimine

CEQA COMPLIANCE, *BA, Environmental Analysis and Design*. Mr. Ashimine has spent his entire 22 year career with Michael Baker preparing environmental and planning studies for public and private sector clients under CEQA/NEPA. This experience will benefit the City's efforts to successfully implement your safety mitigation efforts.

7 | Trina Ming, CERP IT

CONTRACTOR MANAGEMENT, *MS, Environmental Science*. Ms. Ming regularly oversees contractors for compliance both in the field and during construction. In the evenings, she is a Restoration Ecology Adjunct Professor at Cal State Fullerton. Ms. Ming will actively work with the City's contractors to ensure a successful implementation of the City's safety mitigation efforts.

3,500+ ADDITIONAL PERSONNEL AVAILABLE

425

Planners

10

Public Outreach Professionals

233

Graphic Designers / GIS Professionals

34

Biologists

80

CEQA Professionals

PROGRAM MANAGER

Richard Beck, PWS, CPESC®, CERP



Mr. Beck has extensive experience in the regulatory and environmental disciplines, specifically associated with natural disasters associated with flood and fire. He successfully leads federal, state, local, and private-sector clients through natural-resource regulations such as the Clean Water Act, California Porter-Cologne Act, California Fish and Game Code, Endangered Species Act, and the California Coastal Act. Many of these regulations are applicable to emergency prevention as well as post-emergency activities. Mr. Beck focuses on resiliency projects along the California coastline where sea level rise and adaption planning is required as well as projects statewide that require significant planning and maintenance to reduce fuel loading associated with wildlife. Mr. Beck recently managed a \$3.8 million dollar emergency response project with CalRecycle, a project associated with significant Northern California fires in 2020.

POSITION

Years with Michael Baker: 21

Project Manager: 10 Years

Vice President/Project Manager: 11 Years

SUMMARY OF EXPERIENCE

2020 Fires Debris and Tree Removal Assessment and Management Services, Statewide, California. *State of California Department of Resources Recycling and Recovery. STATE OF CALIFORNIA "CAL RECYCLE" PROGRAM MANAGER/PROJECT MANAGER. (Ongoing)* Michael Baker is providing environmental and emergency permitting services to assist with CalRecycle's coordinated structural debris and hazard tree removal projects in areas damaged by the wildfires that devastated Lake, Mendocino, Napa, Solano, and Sonoma Counties in 2020. For the program, Michael Baker is providing biological and archaeological assessments, biological and archaeological monitoring, agency and tribal coordination, emergency permitting services, guidance and implementation of water-quality BMPs, and GIS support. The project site includes hundreds of public and private sector parcels and a mix of vegetation. Further, detailed records were required to meet invoicing and milestone requirements for emergency funding.

Orange County Flood Control On-Call Contract, Orange County, California. *Orange County Public Works and Parks. PROJECT/PROGRAM MANAGER. (Ongoing)* Responsible for environmental, regulatory and restoration services, including services for emergency task orders. Michael Baker provided flood control planning and engineering services to support flood control. The projects included: Orange County Flood Control Master Plan; San Diego Creek Master Plan Update; Local Drainage Manual Update; Santiago Creek Scour Analysis Plan Check; San Diego Creek Restoration Plans and Operations and Maintenance Manual; Foothill Basins Restoration Plans and Operations and Maintenance Manual; Santa Ana River Reach 9 SARI Line Protection; San Juan Creek Phases 4, 5, and 6 and Trabuco Creek Phase 8; and Edinger Channel - 3D Structural Analysis for Reinforced Concrete Box. The projects included flood control, water quality, and wildlife corridor or habitat conservation and protection. Michael Baker also provided services to obtain resource agency permits.

Stormwater Management Plan for California State Parks, Statewide, California. *California Department of Parks and Recreation. ENVIRONMENTAL MANAGER. (Ongoing)* Responsible for environmental tasks. Michael Baker developed a Stormwater Management Plan (SWMP) for the Off-Highway Motor Vehicle Recreation Division of California State Parks. Two of the Divisions Parks – Pismo/Oceano and Carnegie, were named as non-traditional MS4s in the most recent Phase II NPDES Permit released by the State Board. Michael Baker and the Division determined that a SWMP should be developed described the requirements and BMPs for the two named parks, but that could also be applied at the other non-enrolled parks to demonstrate good stewardship of public lands.

Orangewood Avenue Improvements Project, Orange, California. *City of Anaheim. SENIOR ENVIRONMENTAL PLANNER. (Ongoing)* Michael Baker is assisting the City of Anaheim with civil, structural, and environmental engineering services to improve Orangewood Avenue in the cities of Anaheim and Orange as part of the Revised Platinum Triangle Expansion Project. Mr. Beck is serving as Senior Environmental Planner, focusing on stream impacts, vegetation removal (where present), and overall access issues. This includes significant coordination with state and federal resource agencies as well as the City of Anaheim.

Michael Baker
INTERNATIONAL

Total Years Experience
22

Education

BA, 2000, Environmental Studies,
University of California, Santa Cruz
Certificate, 2010, Ecological
Restoration, Saddleback College

Registrations

Certified Ecological Restoration
Practitioner

Certified Environmental
Professional, 2010, 10050455

EPA Watershed Management
Academy, 2008

Certified Professional in Erosion and
Sediment Control, California, 2010,
5611

Wetland Delineator Certification
Program, 2002

Professional Wetland Scientist,
2011, 2160

CRAM for Riverine Wetlands-
Certified Practitioner, 2008

Professional Memberships

Association of Environmental
Professionals

Building Industry Association

Home Builders Council

Society for Ecological Restoration

Society of Wetland Scientists

Richard Beck, PWS, CPESC®, CERP

PROGRAM MANAGER

RELEVANT EXPERIENCE CONTINUED

General Plan and Local Coastal Program Update, Carlsbad, California. *City of Carlsbad.* **PROJECT MANAGER.** (2021) Served as project manager to assess vulnerable infrastructure and property in the City from sea level rise. Michael Baker provided engineering and planning services to prepare the first comprehensive revision of the City of Carlsbad Zoning Ordinance since its adoption in the 1950s. The project integrated the 2015 General Plan Update and the revised Local Coastal Program and involved a full reorganization of the code consistent with best practices, including the consolidation and streamlining of much of the redundant provisions, new and amended definitions including graphics, and substantial reformatting to make the code user-friendly and easy to navigate. Michael Baker also produced a coastline vulnerability study for the city that identifies coastal areas most susceptible to sea-level rise and provides adaptation strategies for mitigation.

Peters Canyon Regional Park, Orange County, California (2019). *Orange County Parks.* **PROJECT MANAGER.** (2019) Michael Baker provided environmental services and prepared the Resource Management Plan (RMP) for the entire Peter's Canyon Regional Park (Park) in addition to landscape plans and public outreach material for the Park's General Development Plan (GDP). The RMP consisted of Park-wide field visits, along with the mapping of sensitive resources, invasive species, potential mitigation areas, and special-status species locations. The RMP had numerous chapters, including but not limited to: Trail Maintenance, Fire Prevention, Vegetation Management; Restoration Opportunities, and Best Management Practices for Maintenance. Public outreach included a series of "open house" style meetings, where Michael Baker provided several kiosk and educational tables—each table presented a different Park topic; therefore, community members were able to quickly find their area of interest. Both the RMP and GDP were approved and are utilized today. Michael Baker also subsequently supported OC Parks with restoration work after the 2018 fires, which damaged most of the northern reservoir and park areas. Again, Michael Baker provided educational opportunities and installed native plantings as part of the post-fire response.

Deer Canyon Estates/Chino Hills State Park. *Stonegate Development.* **PROJECT MANAGER.** (2019) Michael Baker provided environmental and restoration planning services associated with the Deer Canyon Estates Project in Anaheim Hills, California. The approximately 32.3-acre project site consists primarily of open space and is predominantly undeveloped except for an improved access road located on the western portion of the project site. As part of Michael Baker's analysis, vegetation in potential State Park areas was identified along with the potential usage by wildlife species. Due to the potential of the California gnatcatcher, Michael Baker performed protocol and nesting bird surveys to confirm presence and nesting locations of the bird species.

Santa Ana River Trail- Multiple Segments. *Counties of Riverside/Orange.* **SENIOR ENVIRONMENTAL SPECIALIST.** (2019) Michael Baker provided planning, design, and permitting for approximately nine miles of regional bikeway and hiking/riding trails along the Santa Ana River (SAR). Michael Baker developed final recommendations for the trail alignments and amenities and provided civil engineering, surveying, landscape architecture, and support services for the development of final construction documents and processing of agency permits. The project includes extensive coordination with the USACE, Orange County Flood Control District, Orange County Water District, and the Cities of Corona, Norco, and Eastvale.

Agua Chinon Retarding Basin Post-Fire and Long-Term Maintenance - Regulatory Services, Orange County, California. *Orange County.* **PROJECT MANAGER.** (2012) Michael Baker prepared permit applications for post-fire maintenance for the Agua Chinon Retarding Basin and surrounding canyons that had been burned by the Santiago Canyon Fire. Due to the potential for significant soil erosion after a wild fire, the sediment needed to be removed from the basin prior winter storm events. Michael Baker prepared and processed resource agency applications for all the post-fire maintenance activities. This included a multi-year monitoring program. Due to the occupation of by endangered species, Michael Baker prepared a management plan that included avoided areas and work zones.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Mr. Beck has worked with while at Michael Baker. A complete listing of all clients can be provided upon request.

- Caltrans (HQ and Multiple Districts)
- Chino Basin Desalter Authority
- California American Water
- CalRecycle (CalOES)
- City of Albuquerque
- City of Anaheim
- City of Bakersfield
- City of Calabasas
- City of Carlsbad
- City of Costa Mesa
- City of La Quinta
- City of Laguna Beach
- City of Long Beach
- City of Newport Beach
- City of Oceanside
- City of Orange
- City of Riverside
- City of San Diego Economic Development
- City of San Diego, Transportation and Storm Water Department
- City of Seal Beach
- City of Stockton
- County of Kern
- County of Orange
- County of Riverside
- County of Santa Cruz
- El Toro Water District
- Elsinore Valley Municipal Water District
- Orange County Public Works
- Santa Clara Valley Water District
- Santa Clarita Valley Water District
- Town of Apple Valley
- Trabuco Canyon Water District

RESILIENCY TECHNICAL ADVISOR

Nick Veraart, AICP, ENV SP



Mr. Veraart is Senior Vice President with Michael Baker International and National Practice Lead for Planning. He has over 30 years of experience in leading NEPA review and other regulatory compliance services (including Section 106 and Section 404(b) for multiple federal agencies including HUD, GSA, USPS, USACE, FEMA, DHS and for some of the most complex and sensitive projects. He has led integrated planning and resilience services, including for the HUD CDBG-DR funded post-9/11 redevelopment of Lower Manhattan and resilience planning related to Superstorm Sandy and other disasters. He also led sustainability projects under a HUD Sustainable Communities Grant such as the award-winning Hoboken Green Infrastructure Strategic Plan, which was completed as a Local Demonstration project for the Together North Jersey Program; for which he also served as a member of the Program Management Team. Throughout his career Mr. Veraart has led extensive engagement and stakeholder meetings and workshops.

POSITION

Years with Michael Baker: 3 Years

Senior Vice President, National Practice Lead - Planning: 3 Years

SUMMARY OF EXPERIENCE

Rockaway Crossings Master Plan and Resilience. *Triborough Bridge Authority/MTA Bridges and Tunnels.* **ENVIRONMENTAL TASK LEADER.** Led the environmental evaluation and with regards to transportation alternatives and evacuation analyses for the bridge refurbishment or replacement alternatives with regards to the effects of climate change.

World Trade Center Memorial and Redevelopment Plan Generic Environmental Impact Statement (GEIS), New York, New York. *Lower Manhattan Development Corporation (LMDC).* **PROJECT DIRECTOR.** Directed services to prepare the Generic Environmental Impact Statement (GEIS) for the World Trade Center Memorial and Redevelopment Plan under NEPA and SEQRA and in accordance with CEQR Technical Manual guidelines. in conjunction with US. Department of Housing and Urban Development (HUD) funding. The GEIS process for this high-profile, complex project was completed within a record time of 12 months from the start of environmental review. Specifically directed issues of cumulative construction and operational impacts and noise impacts.

Database and GIS, New York, New York. *Lower Manhattan Development Corporation (LMDC).* **PROJECT DIRECTOR.** In an effort to remember and rebuild the World Trade Center area, LMDC has undertaken numerous memorial and revitalization planning efforts with respect to memorial, business and community facilities. To assist its efforts, LMDC selected team to create a comprehensive user-friendly database to store information on the schedules, budgets, building characteristics and overall plans for priority projects in the area. Directed the development of the database and GIS, which included evaluation and coordination of programs, crucial information on the area, including census data, land use, property values, tax records, historic designations, current and proposed community facilities, planned and potential land use, and traffic volumes. The database was used as part of LMDC's reporting requirements to the US Department of Housing and Urban Development (HUD) and further serves to identify opportunities for new projects in Lower Manhattan.

World Trade Center Innovative Design Study, New York, New York. *Lower Manhattan Development Corporation (LMDC).* **PROJECT DIRECTOR.** A key component of the revitalization of Lower Manhattan is the rebuilding at the site of the World Trade Center. Under the direction and in collaboration with another firm, assisted LMDC with the evaluation of the environmental and transportation aspects of the finalist designs for the World Trade Center Innovative Design Study. Once the winning design was selected.

130 Liberty Street Office Tower - Building Characterization Study, New York, New York. *Lower Manhattan Development Corporation (LMDC).* **PROJECT DIRECTOR.** Directed the services provided to LMDC in connection with its plans to clean up and dismantle the former Deutsche Bank office tower at 130 Liberty Street in Lower Manhattan, severely damaged during the September 11 attacks on the World Trade Center. The vacated site itself will be used for the proposed fifth WTC tower. As part of this plan, led a building characterization study to identify any hazardous material to be removed prior to building deconstruction. Due to the proximity of neighboring office and residential buildings, the deconstruction of the damaged office tower is planned with sensitivity to both the environment and the surrounding community. Overseeing support services to LMDC for community outreach

Michael Baker
INTERNATIONAL

Total Years Experience
33

Education

MSCE (Diplom-Ingenieur),
1988, Engineering, Planning
and Landscape Architecture,
Wageningen University

BS, 1986, Engineering, Planning
and Landscape Architecture,
Wageningen University

Registrations

American Institute of Certified
Planners, 1993, 010410

Envision Sustainability Professional,
2016

Professional Memberships

American Institute of Certified
Planners

American Society of Civil Engineers

American Society of Landscape
Architects

Nick Veraart, AICP, ENV SP

RESILIENCY TECHNICAL ADVISOR

RELEVANT EXPERIENCE CONTINUED

regarding sensitive issues, such as air quality and noise, associated with the deconstruction of the office tower.

Lower Manhattan Redevelopment Cumulative Construction Analysis, New York, New York. *Lower Manhattan Development Corporation (LMDC).* **PROJECT DIRECTOR.**

Under directed the cumulative environmental impact analysis and associated early construction plan for the rebuilding of Lower Manhattan, representing a combined construction value of several billions of dollars. This plan, which included truck routes, construction schedules and construction equipment usage and location of all the main Lower Manhattan Recovery Projects, greatly facilitated the coordination of the individual environmental reviews of the Lower Manhattan Recovery projects, including the South Ferry Subway Terminal, the Fulton Street Transit Center, the World Trade Center Memorial and Redevelopment Plan, the Permanent WTC PATH terminal and the reconstruction of Route 9A. In addition to the construction plan, also directed assistance to agencies involved with the redevelopment of Lower Manhattan with the formulation of Environmental Performance Commitments to minimize or impacts during the massive construction anticipated in Lower Manhattan on traffic, pedestrian access, air quality, noise, historic and cultural resources and business activities. Of special interest are measures to reduce air pollution from construction equipment, by requiring the use of Ultra Low Sulfur Diesel and pollution reducing technologies for construction equipment.

Lower Manhattan Streetscape Plan, New York, New York. *Lower Manhattan Development Corporation (LMDC).* **PROJECT DIRECTOR.** Following the recovery efforts and round-the-clock clean-up at the World Trade Center site since September 11, 2001, there has been a need to enhance the streetscape neighboring the World Trade Center Site. Directed the preparation of the environmental documentation as required by HUD for the \$20 million Lower Manhattan Streetscape Plan developed by the Alliance for Downtown New York and funded in part by the Lower Manhattan Development Corporation and HUD. The Plan includes measures to improve safety, add signage, and increase navigability along Broadway, also known as the "Canyon of Heroes" and the location of numerous ticker tape parades. The enhancement of the safety and user friendliness of Broadway will make Lower Manhattan a more attractive and welcoming place for businesses and visitors alike and will assist the revitalization efforts of the area.

South Ferry Subway Terminal Reconstruction EA (NEPA), New York, New York. *New York City Transit Authority (NYCT).* **REGULATORY ADVISOR.** Advised NYCT on the environmental assessment for the proposed restoration and expansion of the South Ferry subway station in Lower Manhattan. Key regulatory issues include Section 4(f) compliance, parklands, archaeological and historic resource impacts, construction impacts and Coastal Zone Management.

Foley Square Park Redesign Environmental Assessment (EA-NEPA, CEQR) and ULURP Application, New York, New York. *New York City Parks.* **PRINCIPAL PLANNER.** Managed the preparation of the NEPA and CEQR Environmental Assessment (EA) and ULURP application for the reconstruction of Foley Square Park in downtown Manhattan for the New York City Department of Parks and Recreation and the Federal highway Administration as co-lead agencies. Specific issues associated with this project included potential air quality and traffic impacts as a result of new street layouts, and impacts to cultural resources, including nearby landmark buildings and the African Burial Ground Historic District.

Ansonia Post Office Environmental Assessment (EA - NEPA), New York, New York. *LINPRO, LLC.* **PRINCIPAL PLANNER.** Conducted an EA of the full complement of potential physical, cultural, and postal service environmental impacts from the relocation of a U.S. Postal facility in the Lincoln Center area of Manhattan. Particular attention was given to the impacts upon a historic district and city fiscal and postal operations.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Mr. Veraart has worked with throughout his career. A complete listing of all clients can be provided upon request.

20th Century Fox
 American Marine Rail, LLP
 City of Calgary
 City of Elizabeth
 City of New York City
 City of St Quentin-en-Yvelines
 Egyptian Ministry of Housing and Urban Development
 LINPRO Development, LLC
 Lower Manhattan Development Corporation
 Metropolitan Transportation Agency
 Mobil Corporation
 New York City Department of Environmental Protection
 New York City Housing Authority
 New York City Mayor's Office
 New York City Parks and Recreation
 New York City Sanitation Department
 New York City Transit Authority
 New York State Public Service Commission
 New York State Department of Transportation
 Olympia and York, LLC
 Port Authority of New York and New Jersey
 Town of Islip
 Triborough Bridge Authority
 U.S. Army Corps of Engineers
 U.S. Department of Agriculture
 U.S. General Services Administration
 U.S. Postal Service
 Village of Mamaroneck

RESILIENCY TECHNICAL ADVISOR

Elizabeth Bradford, ENV SP



As Vice President, National Resilience Lead for Michael Baker International, Ms. Bradford supports Michael Baker's integrated sustainability and resilience services across all sectors, markets, disciplines, geographies and project life cycles – both as part of the company's infrastructure, environmental, community and Federal projects, as well as stand-alone or complementary services. She brings experience across a broad range of sectors and services, to inform the development of the implementation frameworks and tools that translate sustainability and resilience strategy into individual ownership and action throughout an organization. She has been recognized with the 2017 Environmental Business Journal's Industry Leadership Award for her work developing the Resiliency and Sustainability Framework, and the 2019 City & State New York Responsible 100 Infrastructure Award.

POSITION

Years with Michael Baker: 1 Year

Vice President, National Resilience Lead: 1 Year

SUMMARY OF EXPERIENCE

PANYNJ Resilience Review, New York and New Jersey. Port Authority of New York and New Jersey. **TECHNICAL ADVISOR.** As Senior Technical Advisor, helped guide the team in defining scope, and developing project deliverables including executive presentations, stakeholder engagement, and reports. Michael Baker performed an independent assessment of the Port Authority of New York and New Jersey's (PANYNJ) current state of climate resilience by evaluating the PANYNJ's approach, including projects, programs, policies, guidelines, and governance. Michael Baker developed a framework including a resilience road map with both short-term mitigation actions and long-term strategic planning, incorporating industry best practices. As part of this effort, it developed an overview of industry practice, including the programmatic approach to resilience taken by peer agencies nationally and internationally using existing literature and other secondary data.

Severe Weather/Climate Risk Assessments for Air Force Reserve Command, Atlanta, Georgia. Air Force Reserve Command. **SENIOR TECHNICAL CONSULTANT & TASK MANAGER.** Ms. Bradford's team developed hazard specific severity and probability screening metrics for 30 possible severe weather and climate hazards; coordinated with base planners, facility and subject matter experts to identify and review available data for each of the 5 installations, to identify relevant hazards and assign risk levels; and developed a risk mitigation plan that addressed next steps for Dobbins ARB to reduce and mitigate risks. The project involved completing Phases 1 and 2 of the Severe Weather/Climate Hazard Screening and Risk Assessment Playbook (AFRC 2020) for five AFRC Air Reserve Bases (ARB): Dobbins ARB, GA; Grissom ARB, IN; Homestead ARB, FL; March ARB, CA; and Westover ARB, MA. In addition, Dobbins ARB in Cobb County, Georgia was selected as a pilot for implementing Phase 3 of this process—developing a Risk Mitigation Plan.

Zone 4 Infrastructure and Entry Control Facilities 30% Design for Tyndall Air Force Base, Panama City Beach, Florida. United States Army Corps of Engineers. **COST ESTIMATING TASK MANAGER.** Ms. Bradford lead a multidisciplinary team of cost estimators, architects, engineers, and planners to develop a cost estimate that integrates sustainability, resiliency and smart technology to support the Air Force's Base of the Future vision. The task required coordination on design requirements across the various design teams, including: landscape architecture, environmental, drinking water, fire water, communications, wastewater, electrical, transportation, support buildings and entrance control facilities. On October 10, 2018, Tyndall AFB sustained a direct hit from Hurricane Michael, the strongest sustained-wind hurricane to hit the continental United States in over 25 years. Every facility on the installation sustained some damage with approximately 50% of the facilities damaged beyond economical repair. The Tyndall AFB construction/reconstruction program will restore that lost capacity and capability to the installation. The project involved 30% design of all infrastructure required to support the construction of 45 projects (\$3.3-billion) that comprise the Tyndall AFB construction/reconstruction program.

Validation and DD1391 Package Development for Tyndall Air Force Base, Panama City Beach, Florida. Tyndall Air Force Base via KBRWylie (Prime). **SUSTAINABILITY, RESILIENCE AND SMART TECHNOLOGY LEAD, 1391 UPDATE TASK MANAGER, AND ONSITE LEAD.** As Sustainability, resilience and Smart Technology Planning Lead, Ms. Bradford coordinated with the site development and utilities design teams to assess the current site conditions and ongoing projects, and hosting charrettes to support identification and

Michael Baker
INTERNATIONAL

Total Years Experience
28

Education

MS, 2007, Earth Science, Dartmouth College

BS, 2004, Geology, University of South Alabama

Registrations

Envision Sustainability Professional, 2014

Envision Sustainability Professional Trainer, 2015

Professional Memberships

Institute for Sustainable Infrastructure

Society of American Military Engineers

Elizabeth Bradford, ENV SP

RESILIENCY TECHNICAL ADVISOR

RELEVANT EXPERIENCE CONTINUED

evaluation of design alternatives that integrate sustainability, resiliency and smart technology to support the Air Force's Base of the Future vision. This task included fully engaging and collaboration with the facility subject matter experts, utility maintenance contractors, and master planning and environmental contractors, as well as close coordination with the programmers for the various buildings and support facilities (housing, recreational facilities, maintenance facilities, administrative offices, laboratories, etc.). As 1391 Update Task Manager, Ms. Bradford lead a team of over 30 cost estimators, environmental and urban planners, engineers and architects, coordinating with the various design consultancies to track updates to 45 individual 1391s necessitated by updates to AF guidance and design requirement changes that arose as the projects moved from 5% design to 30% or greater design. The team participated in design charrettes and design integration meetings, tracking and reporting ongoing updates to construction quantities, cost estimates, and evolving environmental impacts.

Blue River Wastewater Treatment Plant Biosolids Facility Project, Kansas City, Missouri. *Kansas City Water Services via Carollo (Prime).* **SENIOR TECHNICAL CONSULTANT.** As Senior Technical Consultant for Resilient and Sustainable Infrastructure Planning, Ms. Bradford lead Envision assessment, hosted multidisciplinary workshops, and developed technical memorandums to summarize findings, decision points, and next steps toward achieving a more sustainable and resilient project in planning, design, construction and operations. Kansas City, Missouri has adopted an overall policy that supports a greater use of green solutions or enhanced sustainability measures and considers environmental quality, social equity, and economic vitality. To minimize waste, enhance efficiencies, and achieve multiple benefits and project synergies, all city projects must identify opportunities for sustainability improvements and implement those improvements when financially reasonable and operationally practical. The Envision Sustainable Infrastructure Framework (Envision) is used by the City Water Services Department to promote sustainability and to encourage sustainable approaches as an important part of project design.

Energy Resources and Airport Sustainability Master Plan for Confidential International Airport, Confidential Location. *United States Trade and Development Agency.* **SUSTAINABILITY LEAD.** As Sustainability Lead, Ms. Bradford evaluated existing activities to baseline the existing level of sustainability, assist airport personnel in defining their sustainability vision, evaluate focus areas for improved sustainability and resiliency, develop implementation plans, and performance monitoring tools and metrics. The project involved supporting the USDA in the development of an Energy Resources and Airport Sustainability Master Plan for a confidential international airport. The goal of the project was to support energy efficiency, power generation, and other sustainability improvements to support sustainable growth for a rapidly expanding regional hub.

South District Wastewater Treatment Plant Stormwater Master Plan, Miami, Florida. *Miami-Dade Water and Sewer Department.* **SENIOR TECHNICAL CONSULTANT.** Ms. Bradford led the Sustainability Review for the alternatives analysis of stormwater management infrastructure, comparing the four alternatives using the Envision Rating System to identify of the most sustainable and resilient alternative. The project involved supporting MDWASD in the development of ongoing Capital Improvement Program (CIP), Consent Decree, and Ocean Outfall Legislation (OOL) Program projects by updating WASD's stormwater master plan and the Florida Department of Environmental Protection (FDEP) Environmental Resource Permit (ERP) for MDWASD's South District Wastewater Treatment Plant (SDWWTP). This includes developing a stormwater master plan for the SDWWTP to support a long-term stormwater management strategy; developing a long-term, phased stormwater management strategy to support the projects identified in the SDWWTP CIP, OOL Program and Consent Decree Program projects; updating the existing Stormwater Pollution Prevention Plan (SWPPP) to incorporate the SDWWTP CIP, OOL, and Consent Decree projects; and modifying the existing ERP to incorporate the SDWWTP CIP, OOL, and Consent Decree projects.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Ms. Bradford has worked with throughout her career. A complete listing of all clients can be provided upon request.

Air Force Reserve Command

City of Longmont

City of Los Angeles, Bureau of Engineering, Environmental Engineering Division

City of Miami

City of San Mateo

Honeywell International, Inc.

Kansas City Water Services

KBR Wylie

Lower Passaic River Cooperating Parties Group

Miami Dade Water and Sewer Department

New York City Department of Environmental Protection

Port Authority of New York and New Jersey

San Francisco Public Utilities Commission

The Dow Chemical Company

The Nature Conservancy

U.S. Army Corps of Engineers

U.S. Environmental Protection Agency

U.S. Navy

U.S. Trade and Development Agency

Vermont Air National Guard

World Business Council of Sustainable Development

PROJECT MANAGER PLANNING PROJECTS

Noelle Steele



Ms. Steele provides hazard mitigation and vulnerability analysis services for clients across the Southern California region. Her experience includes both local and multi-jurisdictional hazard mitigation plans in compliance with CalOES and FEMA guidelines. Her skill set includes identifying community hazards, evaluating past mitigation measures to develop future mitigation policy, plan implementation and maintenance. She is experienced in developing hazard-focused and resiliency based community engagement programs and is IAP2 Foundations trained.

POSITION

Years with Michael Baker: 8 Years

Project Manager: 3 Years

Hazard Mitigation Planner: 5 Years

SUMMARY OF EXPERIENCE

Eastfoot Basin Emergency Action Plan, Irvine, California. *City of Irvine Public Works.* **EMERGENCY RESPONSE PLANNER AND PROJECT MANAGER.** (2022) Responsible as the lead technical writer for one Emergency Action Plan. Prepared EAP in accordance with CalOES guidelines, and responsible for incorporating input from impacted jurisdictions to ensure efficiency and accuracy. Michael Baker is preparing to submit the EAP to CalOES for review and approval.

Local Hazard Mitigation Plan, Lake Elsinore, California. *Elsinore Valley Municipal Water District.* **PROJECT MANAGER.** (2021) Responsible for managing plan development, Steering Committee facilitation and community outreach. This plan is the first LHMP that EVMWD has prepared, with the goals to: reduce the potential for damage, create a decision making tool for management, promote compliance with state and federal program requirements, and promote communication opportunities. Michael Baker has profiled natural and human-caused hazards, mapped critical infrastructure and conducted a vulnerability/risk assessment. Michael Baker also conducted a capabilities assessment to identify existing plans and programs that support the work efforts of the LHMP.

Local Hazard Mitigation Plan, Irvine, California. *Irvine Ranch Water District.* **PROJECT MANAGER.** (2021) Responsible for managing plan development, Steering Committee facilitation and community outreach. Local Hazard Mitigation Plan for Irvine Ranch Water District (IRWD) in central Orange County. IRWD is a major water and wastewater purveyor in Orange County, serves 181 square miles and a daytime population of approximately 600,000. IRWD also provides recycled water for industrial and agricultural uses, along with stormwater runoff treatment in the San Diego Creek. The goals of the LHMP are outlined as follows: reduce the potential for damage to IRWD critical assets and infrastructure; create a decision-making tool for management; and, promote compliance with state and federal program requirements. Michael Baker conducted an internal capabilities assessment, to outline existing plans and programs that support the LHMP. Mitigation actions were identified and included in the LHMP, and the plan currently in review by Cal OES and FEMA. Community outreach efforts included a community survey, that received over 1,750 responses.

General Plan Update, Rolling Hills Estates, California. *City of Rolling Hills Estates.* **PLANNER.** (2020) Responsible for policy updates and presentation preparation for community outreach. Michael Baker is updating the General Plan for the city of Rolling Hills Estates, ensuring that it reflects the city's vision of tomorrow, includes a focus on enhancing sustainability, and can comply with changes in state law. The General Plan will be organized around "placemaking" and sustainability, without sacrificing the guiding principles needed to preserve the unique character and identity of the Rolling Hills Estates community.

Dam Inundation Studies and Emergency Action Plans, Orange County, California. *Orange County Public Works.* **EMERGENCY RESPONSE PLANNER.** (2019) Responsible as the lead technical writer and hazard mitigation planner for six dams and retarding basins owned or operated by the County of Orange. Prepared the EAP using CalOES guidelines, and responsible for incorporating input from impacted jurisdictions to ensure efficiency and accuracy. Michael Baker is providing professional support for the preparation of inundation maps and Emergency Action Plan (EAP) for six dams within San Diego Creek watershed in Orange County, California. Tasks include collecting available data related to the dam construction, geotechnical information, tributary drainage system, facility hydrology, and field review and operations; evaluating likely

Michael Baker

INTERNATIONAL

Total Years Experience

8

Education

MUP, 2020, Urban Planning and Development, University of Southern California

BA, 2014, Environmental Studies/Environmental Planning, University of California, Santa Barbara

Professional Memberships

American Planning Association
Commercial Real Estate Development Association

Urban Land Institute

Noelle Steele

PROJECT MANAGER

RELEVANT EXPERIENCE CONTINUED

dam breach parameters, potential failure modes, and sequential failures and recommending a final approach; and developing flood routing methodology for inundation mapping. Additionally, Michael Baker is preparing technical studies and inundation maps and the EAP document and providing services to process the EAP.

Hazard Mitigation Plan, Rancho Santa Margarita, California. *City of Rancho Santa Margarita.* **PLANNER.** (2018) Responsible for identification and profiling the City's natural hazards, conducting a vulnerability assessment, developing mitigation strategies, plan implementation and maintenance. Facilitated the community survey with 600+ responses and three focus groups with the city designated stakeholder groups. Facilitated and coordinated four steering committee meetings, consisting of a diverse group of impacted local agencies and jurisdictions. **The LHMP was commended by Cal OES and FEMA as an exemplary mitigation plan, and received statewide awards from the American Planning Association and American Council of Engineering Companies.**

Contract Planning – Local Hazard Mitigation Plan Contribution, Laguna Woods, California. *City of Laguna Woods.* **PLANNER.** (2018) Responsible for preparing the Local Hazard Mitigation Plan for the City of Laguna Woods; completed hazard profiles for all applicable hazards to the City including wildfire, earthquake, flood, and extreme weather. Michael Baker is serving as the technical support staff for the City's Planning Department on an as-needed basis under an annual services contract. Michael Baker staff has assisted with the processing of numerous projects, including the Village Activity Center Specific Plan, a series of General Plan Amendments and zone changes proposed by the Golden Rain Foundation, a medical office facility proposed by Memorial Care Medical Foundation, and proposed improvements to the Laguna Woods Golf Course clubhouse/lounge facility. Michael Baker was recently requested to assist with the monitoring of the San Sebastian affordable senior housing project. Under separate contracts, Michael Baker has prepared a Climate Adaptation Plan for the City and is comprehensively updating the City's General Plan.

Water and Wastewater Multi-Jurisdictional Hazard Mitigation Plan, Orange County, California. *Municipal Water District of Orange County.* **PLANNER.** (2017) Responsible for analyzing data and developing hazard profiles in preparation of the update to the multi-jurisdictional hazard mitigation plan (MJHMP) for the Municipal Water District of Orange County and 18 of its member agencies, which include cities and water/wastewater agencies. The updated plan involved a complete reorganization of the previous plan with the creation of annexes for each individual agency. These annexes identified hazards specific to each agency and assessed the agencies' vulnerabilities to those hazards. Agency-specific mitigation measures were also identified.

General Plan Safety Element, Local Hazard Mitigation Plan, and Emergency Operations Plan, Lawndale, California. *City of Lawndale.* **ENVIRONMENTAL ASSOCIATE.** (2016) Responsible for reviewing and performing internal screencheck/edits on Hazard Mitigation Plan before city submittal. Michael Baker updated the General Plan Safety Element and Emergency Operations Plan (EOP) and developed a Local Hazard Mitigation Plan (LHMP) for the city pursuant to the requirements of the Disaster Mitigation Act of 2000. The plan includes identification and profiling of the city's natural hazards, a vulnerability assessment, mitigation strategies, and plan implementation and maintenance. Baker also provided public participation assistance during the planning process, including public workshops and outreach.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Ms. Steele has worked with while at Michael Baker. A complete listing of all clients can be provided upon request.

Caltrans
 City of Avalon
 City of Carlsbad
 City of Corona
 City of Culver City
 City of El Monte
 City of El Segundo
 City of Huntington Beach
 City of Laguna Beach
 City of Laguna Woods
 City of Oceanside
 City of Palmdale
 City of Rancho Santa Margarita
 City of Riverside
 City of San Bernardino
 City of San Clemente
 City of San Diego Transportation and Stormwater Department
 City of Seal Beach
 City of Victorville
 City of Walnut Creek
 City of Whittier
 County of Orange
 County of Riverside
 County of San Bernardino
 Elsinore Valley Municipal Water District
 Golden State Water Company
 Irvine Ranch Water District
 Los Angeles County Department of Public Works
 San Diego County Water Authority
 Southern California Association of Governments

PROJECT MANAGER CAL FIRE: FIRE PREVENTION GRANT

Anisha Malik, SITES AP, CERP



Ms. Malik is a restoration ecologist with experience in voluntary restoration projects for wetlands, riparian systems, and coastal sage scrub habitats, as well as a wide variety of compensatory mitigation projects required for jurisdictional impacts. With a background in chemistry and a focus in fire ecology, Ms. Malik brings unique analytical skill set to her projects. She is directly involved with the implementation of her projects and collaboration with contractors, as the first stages are key to establishing a successful site. She is actively involved in multiple professional organizations to create a dialogue between academia and consultants.

POSITION

Years with Michael Baker: 8

Project Manager: 4 Years

Restoration Specialist: 4 Years

SUMMARY OF EXPERIENCE

Aliso Creek Arundo and Fan Palm Removals, Aliso Viejo, California. *Orange County Public Works.* **PROJECT MANAGER.** (2022). Responsible for managing the entirety of the project, from the initial invasive species mapping to coordinating and scheduling the contractor for the removals. Michael Baker is providing oversight for invasive species removal throughout the entire span of Aliso Creek. The Michael Baker team is also responsible for biological monitoring during the removal process as well as the pre-construction surveys for permit compliance.

Invasive Shot Hole Borer Regional Surveys, Orange County, California. *Orange County Public Works.* **PROJECT MANAGER.** (2022). Managed and conducted the surveys in assigned areas from the client. Michael Baker is conducting invasive shot hole borer and gold spotted oak borer surveys in designated assessment areas throughout Orange County. Following the surveys, summaries and recommendations are provided to the client on how to proceed depending on the level of infestation. Services also include coordinating the sample testing and setting up trapping at project sites.

La Pata Off-Site Mitigation Project, Rancho Mission Viejo, California. *Orange County Public Works.* **PROJECT MANAGER.** (2022). Managed and oversaw the implementation of the mitigation project, working with the contractor closely during the invasive removal process. Completed the mitigation monitoring program and prepared the annual reports to submit to the regulatory agencies. Practiced adaptive management of the mitigation plan, identifying unforeseen obstacles with the project and adjusting implementation. Michael Baker implemented the off-site mitigation required for impacts to the La Pata Avenue Road Extension Project. The mitigation consisted of the removal of Arundo donax throughout the 16-acre site and restoration and enhancement of oak-sycamore woodland and southern willow scrub habitat.

Integrated Mitigation Project, Menifee, California. *Riverside County Transportation Department.* **PROJECT MANAGER/ LEAD RESTORATION ECOLOGIST.** (2022). Responsible for conducting baseline studies of the site prior to construction. Oversaw construction of the project and designed placement of native plants within the different habitat types. Supported the client with reviewing submittals from the contractor to ensure compliance with regulatory permits and mitigation plans. The Integrated Mitigation Site consists of roughly 75 acres of Diegan Coastal Sage Scrub and forbland habitat. The focus of the project is restoring a degraded, intermittent creek prone to flooding during the wet season. Through the project design, additional intermittent channels and seasonal wetlands were created in order to regulate flows within the project site. The project additionally included the creation of multiple native habitats, including Western sycamore scrub, Southern willow scrub, saltgrass meadow, native grassland, and coast live oak woodland. Michael Baker prepared a geometric design plan illustrating the creek layout, grading, alignments, and stabilization facilities. Prior to the start of construction, Michael Baker Biologists conducted surveys to document the existing conditions of the site and identify and biological constraints with local wildlife using the site for foraging or habitat. Additionally, the California Rapid Assessment Method (CRAM) was conducted in order to establish baseline conditions of the existing drainage.

Inland Branch 2020 Fire Emergency Clean-Up Response Program, Inland Branch, California. *CalRecycle.* **ENVIRONMENTAL UNIT LEADER.** (2021). Prepared restoration plans for locations with temporary bridge installments. Worked with the client to determine the most efficient route of restoration that still met agency needs. Michael Baker is providing environmental and emergency permitting services to assist with CalRecycle's coordinated structural debris and hazard tree removal projects in areas damaged by the wildfires that devastated Lake, Mendocino,

Michael Baker

INTERNATIONAL

Total Years Experience

8

Education

Graduate Studies, Natural Resources Stewardship/ Ecological Restoration, Colorado State University

BS, 2012 Chemistry, Santa Clara University

Registrations

CRAM for Riverine Wetlands-Certified Practitioner, California, 2016

SITES Accredited Professional, 2017, 00001261-SITES

Wetland Delineator Certification Program, California, 2016

Certified Ecological Restoration Practitioner, 2017, 0123

Professional Memberships

Ecological Society of America

Society for Ecological Restoration

U.S. Green Building Council

Anisha Malik, SITES AP, CERP

PROJECT MANAGER

RELEVANT EXPERIENCE CONTINUED

Napa, Solano, and Sonoma Counties in 2020. For the program, Michael Baker is providing biological and archaeological assessments, biological and archaeological monitoring, agency and tribal coordination, emergency permitting services, guidance and implementation of water-quality best management practices (BMPs), and GIS support.

OC-44 Pipeline Rehabilitation/Replacement Project, Orange County, California.

Mesa Water District. **RESTORATION SPECIALIST/ TASK MANAGER.** (2020). Responsible for the Habitat Mitigation and Monitoring Plan and providing support on acquiring permits necessary for the project. Provided oversight during construction to maintain permit compliance and avoid any impacts to biological resources. Managed the invasive removals for the mitigation and directed the planting of native species within the designated areas. Michael Baker provided engineering and environmental services to the Mesa Water District for the rehabilitation/replacement evaluation and cathodic protection study for the OC-44 Pipeline. The OC-44 pipeline runs approximately 8.6 miles through Orange County. Michael Baker provided a comprehensive plan to investigate the condition of the existing pipeline, evaluate repair and/or replacement strategies, and identify permitting and follow-on technical studies required to implement the recommended strategy. Of the proposed alternatives, the solution selected called for sliplining 1,800 linear feet of 30-inch diameter pipeline inside the existing 42-inch steel pipe. Prior to construction, Michael Baker prepared an Initial Study/Mitigated Negative Declaration to identify potential environmental impacts and establish mitigation measures.

Bouquet Canyon, California. *City of Santa Clarita.* **ECOLOGIST.** (2019). Researched local habitat within Santa Clarita and determined fuel load characteristics that would influence the project. Michael Baker was responsible for master plan for development of 366 for-sale homes in 5 neighborhoods in a total development area of 84 acres. Includes detached and a variety of attached types of housing units, along with community infrastructure, recreation, landscaping and lighting improvements. Project also includes construction of a new segment of Bouquet Canyon Road, as envisioned in the City's Circulation Element.

Buck Gully Canyon Restoration, Buck Gully Channel, Newport Beach, California.

City of Newport Beach. **RESTORATION SPECIALIST.** (2018). Responsible for supporting with the monitoring program of the Buck Gully Canyon Restoration project. Conducted plant survival assessments as well as identified any unknown species on-site. In addition, prepared the annual report, providing suggestions for future success. Michael Baker provided engineering and environmental services for the stabilization and restoration of Lower Buck Gully. Michael Baker's services included planning, hydrologic and hydraulic analyses, right-of-way support, design, and permitting for the construction of erosion control improvements, and preparing annual monitoring reports.

Rancho Del Oro Detention Basin Flood Control Improvement, Oceanside, California.

City of Oceanside. **RESTORATION SPECIALIST.** (2018). Responsible for conducting a delineation of jurisdictional waters and wetlands at the mitigation site, as well as a CRAM assessment and vegetation mapping. Worked with regulatory agencies to help create the mitigation approach of the project, which included identifying locations for invasive species removal and recontouring of a degraded riparian system. Responsible for writing the Habitat Mitigation and Monitoring Plan for the project. Michael Baker prepared final design and permitting for the Rancho Del Oro flood control project. The project includes the installation of floodwalls and spillways to create a series of two stormwater detention basins within the Loma Alta stream corridor easterly of Rancho Del Oro Drive and southerly of Oceanside Boulevard. The Michael Baker team also provided support for coordination with the environmental documentation and regulatory permit approval. Michael Baker delineated the project site and prepared a biological technical report for the Rancho Del Oro Detention Basin Flood Control Improvement Project.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Ms. Malik has worked with while at Michael Baker. A complete listing of all clients can be provided upon request.

City of Coachella
 City of Del Mar
 City of Diamond Bar
 City of Hemet
 City of Hoboken
 City of Laguna Beach
 City of Malibu
 City of Newport Beach
 City of Oceanside
 City of San Diego Economic Development
 City of San Diego, Transportation and Storm Water Department
 City of Santa Clarita
 City of St. Helena
 City of Temecula
 City of Victorville
 County of Orange
 County of Riverside
 County of Santa Clara
 Elsinore Valley Municipal Water District
 Irvine Ranch Water District
 Lemon Grove Sanitation District
 Los Angeles County, Department of Public Works
 Mesa Water District
 Orange County Parks and Recreation
 Orange County Public Works
 Orange County Sanitation District
 Santa Clara Valley Water District
 Santa Clarita Valley Water District
 Tidal Basin
 Town of Apple Valley

COMMUNITY PLANNING/PUBLIC OUTREACH

Surabhi Barbhaya, AICP, LEED AP



Ms. Barbhaya is experienced in urban planning, urban design, and active transportation. She has worked on a spectrum of projects, including comprehensive planning, design guidelines, complete streets, bike master plans, trail and greenway planning, and pedestrian studies. She firmly believes that a meaningful public engagement leads to ownership of the project by the community and uses her graphic skills to communicate ideas to the audience during the project's consensus-building phase. Many of her projects have won local and state American Planning Association (APA) and American Society of Landscape Architects (ASLA) awards.

POSITION

Years with Michael Baker: 4

Project Manager (Planning): 4 Years

SUMMARY OF EXPERIENCE

Masterplan Environmental Impact Report, Long Beach, California. *California State University, Long Beach.* **PUBLIC ENGAGEMENT SPECIALIST.** (2022) Serving as public engagement lead for the project. Michael Baker is helping California State University, Long Beach (CSULB) prepare a Draft Environmental Impact Report (EIR) for the proposed CSULB Master Plan Update. As a part of the project, we are providing public outreach services at major milestones of the project, such as notice of preparation and final EIR. Both of these milestones will be accompanied by an in-person and online workshop via zoom. Michael Baker is also creating a virtual room for open house that can be accessed at any time by the participants and will include all the boards that are being displayed at the in-person open house as well as documents for review. Michael Baker will make the online meeting recording as well as a survey accessible in this virtual room.

Pedestrian and Bikeway Study and Design, Palm Desert, California. *City of Palm Desert.* **PUBLIC ENGAGEMENT SPECIALIST.** (2021) Served as public engagement lead for the project. The project looked at analyzing bike and pedestrian gaps in the city. This analysis provided recommendations for closing the gaps. Priority projects were selected and developed into concept-level plans. The engagement activities included virtual meetings, online survey, and an informative website. Michael Baker is using Bang the Table as a platform for engagements. Various tools such as interactive mapping exercises to understand issues and concerns related to safety, comfort, and connectivity of bike and pedestrian facility, as well as ideas board offered by the platform, were used. Social media messages were sent out at major milestones.

Accessory Dwelling Units Program, San Bernardino County, California. *San Bernardino Associated Government.* **PROJECT MANAGER.** (2021) Serving as a project manager and lead planner for the project. The project included developing a toolkit of policies and programs for use by various communities to include in their housing elements. Michael Baker also participated in planning commissioner meetings to provide updates on the projects. Michael Baker reached out to 30+ stakeholders to create a toolkit of programs and understand the state of Accessory Dwelling Unit construction as well as emerging ideas in the field. A county-wide online survey will be floated to gather more input.

Safe Routes to School Sidewalk Gap Closure Project, Anaheim, California. *City of Anaheim.* **PUBLIC ENGAGEMENT LEAD.** (2021) Served as a public engagement lead help with the provide environmental clearance documentation (Categorical Exclusion), technical studies, and public outreach for the City to satisfy the requirements of NEPA. The Citywide Safe Routes to School Sidewalk Gap Closure (project) would construct more than 6,500 linear feet of Americans with Disabilities Act (ADA) accessible sidewalk near nine schools, closing sidewalk gaps located within one-half mile of each school entrance. Michael Baker coordinated and conducted a virtual public meeting to solicit input regarding the project from the community, City's elected officials, public agencies, and interested parties. The meeting was conducted via zoom and provided simultaneous interpretation services in Spanish. Michael Baker also provided collateral materials, including fliers and fact sheets for distribution and posting on the website.

I-10/ Cherry Valley Interchange project, Calimesa, California. *County of Riverside.* **PUBLIC ENGAGEMENT LEAD.** Served as public engagement lead for the project. (2021) The City of Calimesa (City), in cooperation with the California Department of Transportation (Caltrans) and the County of Riverside (County), proposes to reconstruct the Interstate 10 (I-10)/Cherry Valley Boulevard interchange to relieve congestion and improve traffic operations. Michael Baker coordinated and conducted a virtual public meeting to solicit input regarding the project from the community, City's elected officials, public agencies, and interested parties. The meeting was conducted via zoom and provided simultaneous

Michael Baker

INTERNATIONAL

Total Years Experience

18

Education

M.C.P., 2005, Land Use Planning, University of Cincinnati

B.Arch., 1999, Architecture, Maharaja Sayajirao University of Baroda, India

Registrations

Certified Planner, Worldwide, 2008, 022061

LEED Accredited Professional, 2006

Professional Memberships

American Institute of Certified Planners

American Planning Association

Michael Baker

INTERNATIONAL

Surabhi Barbhaya, AICP, LEED AP

COMMUNITY PLANNING/PUBLIC OUTREACH

RELEVANT EXPERIENCE CONTINUED

interpretation services in Spanish. Participants were allowed to express their opinions via question and answer as well as verbally. All questions and comments were noted to be responded to as a part of the Final EIR. Michael Baker also provided collateral materials, including fliers and fact sheets for distribution and posting on the website.

Housing, Safety, and Environmental Justice Element, San Juan Capistrano, California. *City of San Juan Capistrano.* **TASK MANAGER.** (2021) Served as Task manager for the Safety Element Update. Michael Baker is preparing a comprehensive set of revisions to the City's Housing Element and Safety Element and is preparing a new Environmental Justice Element. The project involves a comprehensive public engagement plan in multiple languages, including special workshops and outreach to areas of concentrated needs and coordination with community-based organizations to promote fair housing and environmental justice. The Safety Element focuses on natural and man-made hazards and includes policies addressing health crises and Crime Prevention Through Urban Design. Multiple consultation sessions were conducted with the California Department of Forestry and Fire Protection (CAL FIRE) since parts of City are in a very high fire hazard zone.

Waterfront Park, San Diego, California. *San Diego County.* **PUBLIC INVOLVEMENT COORDINATOR.** (2020) Served as a public engagement lead to evaluate the feasibility of active recreation facilities to the waterfront park and to develop a concept master plan. The focus was on the area occupied by the themed gardens on the northeast corner of waterfront park, totaling approximately 1.5 acres of space. Outreach involved three public workshops and online surveys to explore the possibility of using the project site for active recreation opportunities, identify suitable programming options to create conceptual master plan options, and to draft a final plan. The final two workshops were organized online via Zoom due to COVID-19.

Imperial Beach Boulevard Complete Streets Project, Imperial Beach, California. *City of Imperial Beach.* **PUBLIC ENGAGEMENT TASK MANAGER.** (2020) Michael Baker performed complete streets design services to help transform 1.6 miles of Imperial Beach Boulevard into a public space accessible to pedestrians, bicyclists, and transit and motor vehicles alike. As a part of the ATP grant funding, the City received an additional non-infrastructure grant funding for the project and decided to use part of the funding for public outreach. This included creating a website and updating it periodically. Other avenues of engagement included social media updates both in English and Spanish. An art contest was organized for the high school art students, and the winning designs were used for creating etching patterns on the sidewalk. A scavenger hunt was organized instead of a planned open streets event due to COVID 19 for the project's grand opening.

Rio Prado and Bonsall Parks, San Diego County, California. *County of San Diego.* **PUBLIC ENGAGEMENT LEAD.** (2019) Michael Baker was retained by the County of San Diego Parks and Recreation Department to develop two park sites: Rio Prado and Bonsall Park. The project included a series of community workshops to develop community-based park designs that relate to the San Luis Rey River Park Master Plan's goals. The first workshop was designed to understand the community's needs. The workshop was replicated in an online survey. Based on the results, active and passive park option for both parks were developed and the community was asked to comment. Comments received will guide the final park plans for both sites.

Lincoln Acres Park Expansion, San Diego County, California. *County of San Diego.* **PUBLIC ENGAGEMENT LEAD.** (2019) Served as a public engagement lead to help with the expansion of the Lincoln Acres Park to a newly acquired parcel to the east. Public engagement included three workshops. The first one was intended to listen to the community about their needs. The second was designed in a charrette format where the participants worked in groups to comment on the two options prepared by Michael Baker and present their findings to the audience. The third was an open house format workshop to present the final Plan to the community.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Ms. Barbhaya has worked with while at Michael Baker. A complete listing of all clients can be provided upon request.

California State University
 City of Anaheim
 City of Coachella
 City of El Monte
 City of Elk Grove
 City of Imperial Beach
 City of Laguna Woods
 City of Los Altos
 City of Palm Desert
 City of Palmdale
 City of Palo Alto
 City of Pinole
 City of Rancho Cordova
 City of Rancho Cucamonga
 City of Rolling Hills Estates
 City of San Juan Capistrano
 City of Solana Beach
 County of Riverside
 County of San Bernardino
 County of San Diego
 Irvine Ranch Water District
 Port Authority of New York and New Jersey
 San Bernardino Associated Government

BIOLOGY

Ryan Winkleman, CSE



Mr. Winkleman, a senior wildlife biologist and project manager, has many years of experience in field and laboratory research, environmental data acquisition, construction monitoring, and regulatory compliance. He has prepared various sections for CEQA and NEPA environmental documents, including environmental impact statements and environmental impact reports, biological technical reports, biological assessments for Section (Endangered Species Act) consultation, biological monitoring reports, and biological survey reports.

POSITION

Years with Michael Baker: 6

Senior Biologist: 3 Years

Biologist: 3 Years

SUMMARY OF EXPERIENCE

UCI Center for Advanced Care Biological Support Services, Irvine, California. *University of California Irvine.* **PROJECT MANAGER.** (2021) Responsible for conducting an updated biological resources assessment survey and updating an existing biological technical report. Michael Baker provided biological support services for the construction of medical care facilities. The university constructed a new Center for Advanced Care in the UCI North Campus on an approximately 7.55-acre project. In addition, Birch Street was expanded across Jamboree Road to create a loop around the new facilities, with an associated new turn-lane back onto Jamboree Road.

South Norco Channel. *City of Norco.* **SENIOR BIOLOGIST.** (2020) Responsible for conducting a biological resources assessment survey and writing a biological technical report and Western Riverside County Multiple Species Habitat Conservation Plan consistency analysis.

Lockheed Martin Aeronautics Plant 10 Specific Plan, Palmdale, California. *Lockheed Martin Systems.* **SENIOR BIOLOGIST.** (2020) Responsible for conducting a biological resources survey and assisting with and reviewing the biological resources report. Michael Baker is providing design and engineering services for an update to Lockheed Martin's Specific Plan. The 520-acre site is surrounded by vacant land, a regional airport, and several offices. The plan regulates development within the project site; however, development has exceeded the original build-out requirements. The city will no longer support additional development requests without the adoption of a new specific plan. Michael Baker's plan will include existing conditions, allowable land uses, and development standards based on the client's current needs and future vision.

Canyon Loop Trail. *City Of Diamond Bar.* **BIOLOGIST.** (2021) Responsible for conducting protocol surveys for Cactus Wren and the federally threatened Coastal California Gnatcatcher. The surveys included tracking and mapping nesting habitat and territories for both species. The survey report documented the survey results and identified potential impacts to the local wren and gnatcatcher populations while also providing recommendations for how to avoid or minimize those impacts. Also responsible for co-writing the biological resources report documenting baseline conditions and general biological resources and constraints at the project site.

Ephemeral Washes Environmental Planning Project, Victorville, California. *City of Victorville.* **BIOLOGIST.** (2020) Responsible for serving as task manager overseeing field work, as well as performing field work and writing the comprehensive biological resources report. Field work involved mapping vegetation communities, compiling plant and wildlife species lists, and assessing potential constraints at over 120 different project sites where maintenance needs had been identified. The biological resources report summarized all project information and included a comprehensive overview of the project, its baseline information, and future steps and survey needs. Michael Baker is providing environmental planning services for flood control system maintenance for the Victorville Public Works Department. The department is responsible for maintaining and operating the city's flood control system in an efficient, economic, and environmentally responsible manner for the protection of property and public safety. Routine maintenance is required to ensure the long-term function, flow capacity, and infrastructure sustainability.

Michael Baker

INTERNATIONAL

Years Experience

18

Education

Certificate, 2012, Field Ornithology, University of California at Riverside, University Ext

BS, 2007, Ecology and Evolution, University of California, Irvine

Registrations

ESA Certified Senior Ecologist, 2019

Professional Memberships

American Birding Association
Ecological Society of America
National Audubon Society
Society for the Study of Amphibians and Reptiles
The Wildlife Society
Western Field Ornithologists

Ryan Winkleman, CSE

BIOLOGY

RELEVANT EXPERIENCE CONTINUED

RCTC SART 2. Riverside County Transportation Commission (RCTC). BIOLOGIST. (2020)

Responsible for conducting focused surveys for the federally threatened Coastal California Gnatcatcher. At the request of the U.S. Fish and Wildlife Service, the surveys were not full-protocol and did not utilize playback of audio recordings, but otherwise followed the survey protocol including tracking and mapping nesting habitat and territories. The survey report documented the survey results and identified potential impacts to the local gnatcatcher population while also providing recommendations for how to avoid or minimize those impacts.

Park Place Extension EIR/EA, El Segundo, California. City of El Segundo. BIOLOGIST. (2016)

Responsible for conducting a field survey and writing a Caltrans Natural Environment Study documenting the survey results. Michael Baker prepared the required CEQA/NEPA clearance documentation for the Park Place Extension and Railroad Grade Separation Project. The project involves extending Park Place between Allied Way and Nash Street and grade separating the extension from the Union Pacific Railroad and Burlington Northern Santa Fe Railway tracks. The environmental analysis thoroughly discussed the existing conditions for each environmental issue area and evaluated the short- and long-term environmental impacts associated with project construction and operation. Key issues associated with the project included hazardous materials, air quality, noise, land use/right of way impacts, and traffic and circulation.

San Simeon Well Field Emergency Water Supply Facilities, Cambria, California. Cambria Community Services District. BIOLOGIST. (2014) Responsible for conducting a field survey and writing a habitat assessment report, writing a biological assessment for Section 7 consultation, writing an adaptive management plan for impacts to sensitive species, and conducting a mark-recapture study of the federally threatened California red-legged frog to determine its approximate population size on the project site. Also wrote a Biological Assessment, Adaptive Management Plan, and Biological Technical Report for the project. As a subconsultant, Michael Baker provided environmental services for the construction and operation of emergency water facilities at the San Simeon well field. Services included preparation of an IS/MND, development of a coastal development permit application, and federal and state agency consultation. Given its emergency status, this project was unique because it required environmental analysis and permitting concurrent with construction. Michael Baker conducted supporting technical analyses for air quality, greenhouse gas emissions, and noise, and performed a jurisdictional delineation; focused special status species surveys; and Section 7, 401, 404, and 1602 consultations. Michael Baker also prepared a habitat assessment and adaptive management plan and provided extensive coastal development permit (emergency and regular) support. The IS/MND developed mitigation measures to reduce impacts to below the level of significance for aesthetics, air quality, biological resources, cultural resources, noise, and utilities and service systems. Michael Baker also prepared an EIR for a modified version of the project.

Rancho Del Oro Detention Basin Flood Control Improvement Project, Oceanside, California.

City of Oceanside. BIOLOGIST. (2014) Responsible for conducting a field survey of the project site and writing a biological habitat assessment of the survey results, including a consistency analysis of the project with the San Diego North County Multiple Habitat Conservation Program. Michael Baker delineated the project site and prepared a biological technical report for the Rancho Del Oro Detention Basin Flood Control Improvement Project, which created two detention basins to help detail the 100-year storm flow and increase the flood protection to downstream development, public roads, and rail facilities. The biological technical report provided the results from a habitat assessment that documented all plant and wildlife species and habitats occurring on the project site and addressed multiple habitat conservation plans and the Oceanside Subarea Habitat Conservation Plan requirements. Michael Baker also prepared biological focus surveys for the southwestern willow flycatcher, least Bell's vireo, and coastal California gnatcatcher.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Mr. Winkleman has worked with while at Michael Baker. A complete listing of all clients can be provided upon request.

City of Chino Hills
 City of Dana Point
 City of Diamond Bar
 City of Encinitas
 City of Fontana
 City of Hemet
 City of Huntington Beach
 City of Irvine
 City of Laguna Beach
 City of Laguna Niguel
 City of Lake Elsinore
 City of Lancaster
 City of Long Beach
 City of Moreno Valley
 City of Oceanside
 City of Palmdale
 City of Rancho Santa Margarita
 City of Riverside
 City of San Bernardino
 City of San Diego
 City of San Juan Capistrano
 City of Solana Beach
 City of Temecula
 City of Victorville
 City of Yorba Linda
 County of Kern
 County of Los Angeles
 County of Orange
 County of Riverside
 Town of Apple Valley
 West Basin Municipal Water District

CEQA COMPLIANCE

Alan Ashimine



Mr. Ashimine prepares environmental and planning studies for public and private sector clients under CEQA/NEPA. He has extensive experience in the research, analysis, and writing of environmental documentation for a variety of projects involving infrastructure, redevelopment, residential, and industrial uses. Mr. Ashimine provides defensible CEQA/NEPA compliance review and environmental documentation. He uses the skills developed in each of his specialized disciplines to prepare and process environmental documents for a diverse range of projects and land uses.

POSITION

Years with Michael Baker: 22

Environmental Manager: 4 Years

Senior Environmental Associate: 7 Years

Environmental Associate: 5 Years

Environmental Analyst: 6 Years

SUMMARY OF EXPERIENCE

Bastanchury Road Improvement Project IS/MND. *City of Yorba Linda.* **ENVIRONMENTAL MANAGER.** (2022)

Responsible for preparation of the IS/MND. Michael Baker prepared an Initial Study/Mitigated Negative Declaration (IS/MND) for the Bastanchury Road Improvement Project. The project proposed to raise the road profile and widen the roadway segment (along Bastanchury Road from Eureka Avenue to Casa Loma Avenue) from two travel lanes (one travel lane in each direction) to a total of four travel lanes (two lanes of travel in each direction) to match the existing roadway configuration east of Eureka Avenue and west of Casa Loma Avenue. Michael Baker prepared an IS/MND consistent with the CEQA and addressed the direct, indirect, and cumulative environmental effects of the Bastanchury Road Improvement Project. Primary technical issues addressed in the IS/MND included air quality/greenhouse gas, biological resources, cultural resources, hazards and hazardous materials, water quality, and traffic. Michael Baker prepared a Phase I Cultural Resources Assessment and quantified air quality and noise analyses for the proposed project for with- and without-project scenarios.

Orangewood Avenue Improvements CEQA Addendum Anaheim, California. *City of Anaheim.* **ENVIRONMENTAL QA/QC.** (2022)

Responsible for QA/QC of the Addendum. Michael Baker assisted the City of Anaheim with preparation of an Addendum to the Final Subsequent Environmental Impact Report No. 339 (SEIR No. 339) for the Revised Platinum Triangle Expansion Project. The proposed project would widen a portion of Orangewood Avenue from five lanes to six lanes with medians and utility infrastructure improvements consistent with the Platinum Triangle minimum widening standards. Key environmental issues include the project's potential to result in impacts related to air quality, greenhouse gas emissions, land use and planning, transportation/circulation, and noise impacts for construction and operations. The project required coordination and consultation with Caltrans District 12 environmental staff due to improvements affecting Caltrans right-of-way along State Route 57.

Hoff Residential Project IS/MND, Yorba Linda, California. *City of Yorba Linda.* **PROJECT DIRECTOR.** (2021)

Responsible for QA/QC of the IS/MND. Michael Baker assisted the City of Yorba Linda with the preparation of an Initial Study for the Yorba Linda Hills - Hoff (project). The project applicant proposed construction of an approximate 15,000 gross square-foot residence on the approximately 41.52 acres. The residence would feature a main house, attached garage, utility garage, courtyard, pool, detached guest house and associated garage, and paved access driveway. A 1,145-foot long paved driveway would be used to access the residence. Discretionary approvals consisted of a CEQA Clearance, Tentative Parcel Map, General Plan Amendment, Zone Change Approval, Subsequent Design Review, Section 13260 Waste Discharge Requirement, Section 1600 Streambed Alteration Agreement, and issuance of applicable grading and building permits. In addition, the project would require several approvals from the Orange County Fire Authority.

Michael Baker

INTERNATIONAL

Years Experience

22

Education

BA, 2000, Environmental Analysis and Design, University of California, Irvine

Professional Memberships

Association of Environmental Professionals

National Association of Environmental Professionals

Orange County Association of Environmental Professionals

Alan Ashimine

CEQA COMPLIANCE

RELEVANT EXPERIENCE CONTINUED

Universal Health Services Mixed-Use Facility, Palmdale, California. *City of Palmdale.* **ENVIRONMENTAL MANAGER.** (2005) Helped prepare the Initial Study and Draft EIR. Michael Baker prepared an environmental impact report (EIR) for the Universal Health Services Mixed-Use Facility in the City of Palmdale. The project involved the development of a 250-bed general hospital, helispot, 120,000 square feet of medical office buildings, and an 80-unit affordable senior housing/assisted living facility on a 40-acre site. Key issues included traffic and circulation on area roadways, biological resources, cultural resources, aesthetics, land use compatibility, and infrastructure.

Poseidon Seawater Desalination Project, Huntington Beach, California. *City of Huntington Beach.* **PROJECT COORDINATOR.** (2005) Responsible for environmental documentation and overall project coordination. Michael Baker completed the final EIR for a 50-million-gallons-per-day (mgd) seawater desalination facility to be sited adjacent to the AES Huntington Beach Generating Station. Key short-term project issues included hydrology and water quality, air quality, noise, utilities, aesthetics, hazardous materials, traffic, and biological/cultural resources. The EIR analysis also included an in-depth examination of long-term impacts, including geological issues; marine water quality; air quality; impacts to public services and utilities; impacts regarding aesthetics, light, and glare; and hazardous materials impacts.

Prado Reservoir No 2, Temecula, California. *Rancho California Water District.* **ENVIRONMENTAL MANAGER.** (2004) Coordinated preparation of CEQA documents. Substantial issues analyzed were aesthetics, land use, and public services and utilities. Michael Baker provided comprehensive engineering services to Rancho California Water District for design of the Prado Reservoir. This six million gallon, steel constructed tank provides additional potable water storage for the District's 1440 Pressure Zone and shares a site with an earlier constructed five million gallon tank. Michael Baker's services included design, distribution system modeling, inlet / outlet piping (both tanks), environmental evaluation, electrical power, instrumentation, SCADA system, and revegetation of all slopes impacted by construction. Michael Baker also provided all of the surveying services for the project, including the preliminary design surveys in support of engineering design, and all staking for the construction of the project.

Arlington Desalter Enhancements Project, Riverside County, California. *Santa Ana Watershed Project Authority.* **ENVIRONMENTAL SPECIALIST.** (2003) Helped prepare the IS/MND, and also assisted in the product water stakeholder coordination process. Michael Baker provided environmental, engineering, and construction management services to the Santa Ana Watershed Project Authority (SAWPA) for the Arlington Desalter Enhancements Project. Key issues included timely CEQA compliance to obtain state funding, a Santa Ana River crossing, and sensitive coastal sage habitat. Michael Baker provided program management; contract administration; construction management and inspection; quality control and quantity verification; utility coordination; traffic control plan and SWPPP requirement compliance; public relations; schedule monitoring; coordination with agency staff, design engineers, three contractors, architects, archeologists, material testers, and surveyors; processing of RFIs, submittals, work change directives, change orders, and progress payments; progress meeting facilitation; and documentation of work via digital photography and daily construction reports.

Canyon Crest Environmental Impact Report, Brea, California. *City of Brea.* **ENVIRONMENTAL ASSOCIATE.** (2000) Helped prepare the EIR. Michael Baker prepared an EIR for a large-scale hillside project in the City of Brea. Significant environmental issues analyzed included biological resources on an adjacent State park, hydrology and drainage, landform alterations, and visual sensitivity. Unique to this project was a precedent-setting city initiative that mandated that all developments that require legislative action go before the vote of the people.

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Mr. Ashimine has worked with while at Michael Baker. A complete listing of all clients can be provided upon request.

Caltrans
 City of Anaheim
 City of Azusa
 City of Bakersfield
 City of Bell Gardens
 City of Beverly Hills
 City of Brea
 City of El Segundo
 City of Huntington Beach
 City of Irvine
 City of Laguna Beach
 City of Lancaster
 City of Long Beach
 City of Manhattan Beach
 City of Mission Viejo
 City of Moreno Valley
 City of Rancho Cucamonga
 City of Redondo Beach
 City of Riverside
 City of San Clemente
 City of San Gabriel
 City of Santa Ana
 City of Santa Clarita
 City of Seal Beach
 City of Temecula
 City of Yorba Linda
 County of Orange
 County of Riverside
 Orange County Sanitation District
 Orange County Transportation Authority
 Santa Ana Watershed Project Authority

CONTRACTOR OVERSIGHT

Trina Ming, CERP IT



Ms. Ming is a restoration ecologist with a background in ecological restoration, native plant propagation and maintenance, environmental education, volunteer management, and environmental GIS technology. She has performed restoration in various Southern California habitats. Her field experience includes vegetation monitoring, invasive species abatement, GIS mapping, seed and plant collection, soil and plant trans-location, and vegetation census. Additionally, she has performed biological surveys including rare plant census, burrowing owl surveys, vegetation habitat mapping, and biological monitoring.

POSITION

Years with Michael Baker: 1

Restoration Ecologist/Environmental Associate: 1 Year

SUMMARY OF EXPERIENCE

LCR Year 12 Monitoring, Orange County, California. *Orange County Public Works.* **RESTORATION ECOLOGIST.** (2022) Responsibilities included conducting qualitative and quantitative site monitoring, preparing annual monitoring reports, and preparing adaptive management recommendations.

Integrated Mitigation Plan, Riverside County, California. *Power Engineers, Inc.* **RESTORATION ECOLOGIST.** (2021) Responsibilities included conducting monitoring of mitigation installation, preparing an annual monitoring report for agency submittal, conducting qualitative site monitoring, and preparing qualitative site recommendations.

Sweetwater Place, San Diego, California. *KB Home Coastal.* **RESTORATION ECOLOGIST.** (2021) Responsibilities included performing qualitative and quantitative site monitoring and preparing quantitative site recommendations memorandum and annual monitoring reports.

Rancho Paseana - Restoration of El Apajo Creek, Kirkland, Washington. *16092 SDR Trust.* **RESTORATION ECOLOGIST.** (2021) Responsibilities included preparing a Habitat Mitigation and Monitoring Plan and Long-Term Management plan for the 14.98-acre riparian and freshwater marsh habitats. Performed biological monitoring of invasive removals within occupied light-footed Ridgeway's rail habitat.

Tentative Tract Map No 53430, Diamond Bar, California. *Grand Hills Development, LLC.* **RESTORATION ECOLOGIST.** Responsibilities including performing a focused least Bell's vireo survey, preparing a Habitat Mitigation and Monitoring Plan, and mapping and inventorying non-native trees at the off-site mitigation area.

Dockweiler Dune Enhancement, Alhambra, California. *Los Angeles County Department of Public Works.* **RESTORATION ECOLOGIST.** (2021) Responsibilities included preparing and presenting a Worker Environmental Awareness Program, supervising maintenance crews to protect sensitive resources, performing site assessments and ensuring regulatory compliance.

Mathis Mitigation Program, Orange County, California. *Orange County Public Works.* **RESTORATION ECOLOGIST.** (2021) Responsibilities included performing qualitative and quantitative site assessments and preparing monitoring reports.

The Ranch at Laguna Beach Project, Laguna Beach, California. *Laguna Beach Golf & Bungalow Village.* **PROJECT MANAGER.*** (2021) Responsibilities included implementing a riparian restoration and invasive species removal plan within Aliso Creek. Supervised site implementation, coordinated with project biologist regarding sensitive species surveys, coordinated maintenance contractors, coordinated with clients, and reviewed permits to ensure project compliance.

North Ranch/Yates Road Project, Winchester, California. *Lennar Homes.* **HABITAT RESTORATION SPECIALIST.*** (2021) Responsibilities included assisting in restoration implementation of a 2.67-acre southern willow scrub and mulefat scrub mitigation site. Performed site flagging, qualitative and quantitative monitoring, and proposed and coordinated remedial measures including willow cutting collection and installation. Additional responsibilities included preparing memoranda, reports, and ArcGIS map exhibits, analyzing data and submitting findings to the client and regulatory agencies.

Michael Baker

INTERNATIONAL

Years Experience

5

Education

MS, 2020, Environmental Science, California State University at Fullerton

BA, 2014, Environmental Sciences, University of California, Irvine

Registrations

CRAM for Riverine Wetlands-Certified Practitioner, California, 2021

Certified Ecological Restoration Practitioner-in-Training, 2021, 0538

Professional Memberships

Society of Ecological Restoration California

Trina Ming, CERP IT

CONSTRUCTION OVERSIGHT

RELEVANT EXPERIENCE CONTINUED

Heritage Fields/Great Park Project, Irvine, California. *Five Point Communities.* **HABITAT RESTORATION SPECIALIST.*** (2021) Responsibilities included assisting in restoration implementation of a 23.8-acre riparian (Phase III) mitigation site. Coordinated and performed site flagging and plant stock installation with maintenance contractors. Performed ongoing qualitative and quantitative monitoring of the 6.5-acre (Phase I), 6.1-acre (Phase II), and Phase III sites. Additional responsibilities included preparing memoranda, reports, and ArcGIS map exhibits, analyzing data and submitting findings to the client and regulatory agencies.

North Ranch/Yates Road Project, Winchester, California. *Lennar Homes.* **HABITAT RESTORATION SPECIALIST.*** (2021) Responsibilities included managing restoration implementation of a 2.67-acre southern willow scrub and mulefat scrub mitigation site. Performed site flagging, qualitative and quantitative monitoring, and proposed and coordinated remedial measures including willow cutting collection and installation.

Diamond Sports Center Project, Lake Elsinore, California. *Lake Elsinore Diamond Sports Center.* **HABITAT RESTORATION SPECIALIST.*** (2021) Responsibilities included managing the rare plant mitigation implementation for smooth tarplant and little mouseltail. Oversaw grading of smooth tarplant plot locations, dispersal of smooth tarplant in restoration plots, collection and dispersal of little mouseltail in created vernal pools, coordinated with maintenance contractors, and proposed remedial actions. Ongoing tasks included coordination of monitoring events, performing annual census of rare plants, conducting qualitative monitoring, preparing memoranda, reports, and ArcGIS map exhibits, analyzing data, and submitting findings to the client and regulatory agencies.

Beaumont Crossroads II Project, Beaumont, California. *McDonald Property Group.* **HABITAT RESTORATION SPECIALIST.*** (2021) Responsibilities included overseeing implementation of 3.62 acres of riparian woodland and emergent marsh habitat included GPS mapping of existing habitat, coordination of non-native tree removals, overseeing site grading, conducting site flagging, and preparing an as-built report for regulatory agency submittal.

Hillcrest Project, Chino Hills, California. *Woodbridge Pacific.* **HABITAT RESTORATION SPECIALIST.*** (2021) Responsibilities included performing qualitative and quantitative site monitoring of southern willow scrub and oak woodland habitat. Proposed remedial measures and submitted cost estimate to client, coordinated with restoration contractor regarding remedial measure implementation, and submitting monitoring findings to the client and regulatory agencies.

Special Area Management Plan, Various Planning Areas, and Infrastructure, San Juan Capistrano, California. *Confidential Client.* **HABITAT RESTORATION SPECIALIST AND ASSISTANT PROJECT BIOLOGIST.*** (2021) Responsibilities included performing rare plant surveys for many-stemmed dudleya and southern tarplant. Performed field surveys and GPS mapping of invasive species throughout the property. Habitat restoration work included qualitative and quantitative monitoring of southern willow scrub, freshwater marsh, ephemeral drainage, and coastal sage scrub habitats throughout the reserve property. Additional work included coordinating monitoring tasks, collecting willow cuttings, conducting data analyses, and submitting findings to the reserve manager and regulatory agencies.

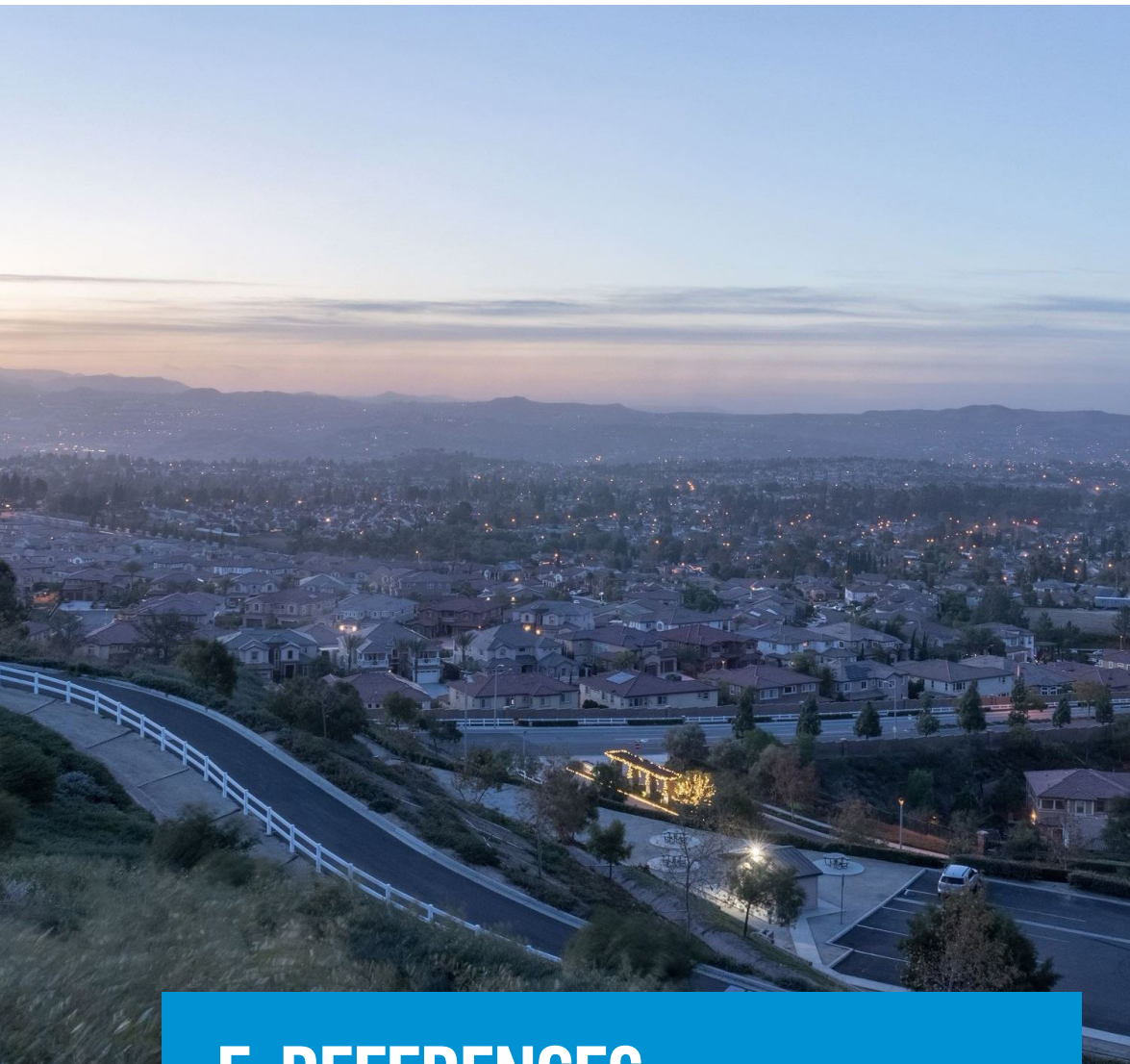
Planning Area 1, Irvine, California. *The Irvine Company.* **HABITAT RESTORATION SPECIALIST.*** (2021) Responsibilities included coordination and supervision of restoration implementation involving overseeing site grading, plant installation, and irrigation installation of riparian habitat to support Least Bell's vireo. Performed ongoing qualitative and quantitative monitoring, proposed remedial actions, analyzed data, and prepared memoranda, reports, and exhibits for client and regulatory agencies submittal.

* Work Performed Under Previous Employment

PREVIOUS AND CURRENT CLIENTS

Following is an example of the clients that Ms. Ming has worked with while at Michael Baker. A complete listing of all clients can be provided upon request.

- City of Coachella
- City of Diamond Bar
- City of Santa Clarita
- County of Riverside
- Lemon Grove Sanitation District
- Los Angeles County, Department of Public Works
- Orange County Public Works
- Riverside County Transportation Commission
- Port Authority of New York and New Jersey
- San Bernardino Associated Government
- State of California
- University of California Irvine



E. REFERENCES



Proven Experience with Local Safety Mitigation Efforts

The City will gain a partner in Michael Baker that has experience in creating and implementing local safety mitigation programs throughout Southern California providing them with knowledge of not only the regulations, but the potential challenges of implementation.

GENERAL PLAN AND LOCAL COASTAL PROGRAM UPDATE

Carlsbad, CA

Michael Baker provided engineering and planning services to prepare the first comprehensive revision of the City of Carlsbad Zoning Ordinance since it was first adopted in the 1950s. The project implemented the 2015 General Plan Update and the revised Local Coastal Program and involved a full reorganization of the code consistent with best practices, including the consolidation and streamlining of much of the redundant provisions, new and amended definitions including graphics, and substantial reformatting to make the code user-friendly and easy to navigate.

The entire ordinance was organized into seven articles and formatted to include easy-to-use navigational aids. Michael Baker created detailed outlines of the existing and proposed ordinance chapters and sections to demonstrate the proposed reorganization and track the disposition of each section. A comprehensive zone consolidation strategy has led to the consolidation, refinement, and a reduction in the number of zones from 35 to 16 to better align and implement the city’s 12 General Plan land use designations.

Michael Baker also consolidated use and development standards into tables for ease of reference, administration, and comparison and understanding of the zones. The number of listed uses were reduced dramatically. This also significantly reduced redundant text and internal discrepancies and conflicts. Great care was taken to avoid, minimize, and track the potential for creation of non-conforming uses. The updated ordinance also consolidated and coordinated redundant and conflicting administrative procedures contained in six different chapters and five different coastal overlay zones.

Ultimately, separate ordinances were created for the coastal and non-coastal portions of the city so they can be updated and managed independently. Michael Baker’s coastline vulnerability study identified coastal areas most susceptible to damage from sea-level rise. The report projected potential coastal hazards over two timeframes (2050 and 2100) and identified the vulnerability and relative risks of these hazards to various city assets. Finally, the report provided possible strategies to improve the resiliency of these assets.



Assets analyzed in the report included six and a half miles of beaches between Batiquitos and Buena Vista lagoons, public beach access areas, state parks, private property, critical infrastructure like power plants, electrical infrastructure, and water and sewer lines, environmentally sensitive lands, and streets, bicycle and pedestrian paths, and trails. Michael Baker found that especially low-lying areas were vulnerable to coastal flooding, such as Carlsbad Boulevard in the vicinity of Las Encinas Creek, which sustained damage during winter storms.

Owner: City of Carlsbad

Contact:
Jennifer Jesser
Senior Planner
jennifer.jesser@carlsbadca.gov
760.602.4637

Dates of Engagement:
2015–2021

Project costs:
\$545,528 (Fee)

Proposal Team Members:

- Richard Beck, Project Manager
- Noelle Steele, Planner
- Casey Marchese, Planner
- Jim McPherson, GIS
- Faye Stroud, Graphic Design

PROJECT RELEVANCE

- *Revision to the General Plan*
- *Planning Committee Meeting Facilitation*
- *Risk Assessment and Mitigation Actions*
- *Community Outreach*

CALRECYCLE INLAND BRANCH FIRE HAZARD TREE AND DEBRIS REMOVAL

Statewide, CA

During July, August, and September of 2020, hundreds of wildfires raged across the state of California, many a direct result of over 14,000 dry lightning strikes, destroying over 10,000 structures. CalRecycle was tasked by Cal OES to manage the coordinated structural debris and hazard tree removal projects for structures and trees damaged by the 2020 Fires. Michael Baker was part of the Tidal Basin Team working with CalRecycle and CalOES to address the FEMA Major Disaster Declarations (4558-DR-CA and 4569-DR-CA) for the Inland Branch 2020 Fires that impacted Napa, Sonoma, Mendocino, Lake, Solano, Yuba and Yolo Counties (“Inland Branch”).

Michael Baker was responsible for addressing environmental, water and historic property compliance and other environmental factors related to emergency clean-up of four (4) fires within the Inland Branch, including the LNU Lightning Complex, August Complex, Glass Fire and Oak Fire. Michael Baker’s environmental team followed guidance from FEMA, CalOES, and CalRecycle in accordance with the adopted EPP which contained



the waivers related to state statutes, rules, regulations, and requirements of CalEPA, CNRA, and California Department of Fish and Wildlife (CDFW) in accordance with the Governor’s Executive Order N-81-20, to expedite debris removal and cleanup. The Michael Baker Historic Property Crew as part of the Environmental Team followed the notification provided by FEMA to review the emergency undertaking for compliance with Section 106 of the National Historic Preservation Act (NHPA) in accordance with Stipulation II.B. regarding Expedited Review for Emergency Undertakings of the 2019 Programmatic Agreement among FEMA, the California State Historic Preservation Officer (SHPO), and the Cal OES. Michael Baker International worked under Tidal Basin to meet the actions, documentation, reporting and accountability requirements according to these organizations. Activities addressed in the project abided by FEMA Record of Environmental Consideration (REC) the Sacramento USFWS FEMA Programmatic Biological Opinion and California Department of Forestry and Fire Protection (CAL FIRE) Emergency Waiver for relevant Forest Practice Rules in support of Hazard Tree Removal Recovery Operations.

The Michael Baker team followed guidance from FEMA, CalRecycle and CalOES to complete a review of records and perform site assessments to document the environmental setting and issues related to biological, cultural (historic property) and water resources for sites identified for debris removal as well as hazard trees. This required close coordination with other team crews, including construction contractors responsible for removing, transporting, and clearing the sites by provided construction monitoring throughout each phase of the project. Staff coordinated with agency representatives frequently including the preparation and approval of permits with USACE, CDFW and Water Boards with special attention to water crossings.

Owner: California Office of Emergency Services (CalOES)

Contact: Patricia Nelson
Environmental Officer
patricia.nelson@caloes.ca.gov
916.823.1945

Dates of Engagement: 2020–Ongoing

Project costs: \$3,850,000 (Fee)

Proposal Team Members:

- David Reel, Program Director
- Richard Beck, Project Manager
- Anisha Malik, Environmental Unit Lead
- Jim McPherson, GIT Specialist
- Tom Millington, Senior Biologist
- Trina Ming, Restoration Ecologist
- April Nakagawa, Environmental Specialist
- Margo Nayyar, Cultural Resources
- Timothy Tidwell, Regulatory Specialist
- Ryan Winkleman, Senior Biologist

PROJECT RELEVANCE

- Agency consultation/permits (USACE, CDFW, Water Boards)
- Baseline biological, cultural resource (archaeology, historic properties), water quality survey assessments
- Tribal coordination and consultation
- California Department of Forestry and Fire Protection Emergency Notice Record Search
- Construction environmental site monitoring, coordination and reporting survey assessments
- GIS mapping and data development and Smartsheet database integration

LOCAL HAZARD MITIGATION PLAN

Rancho Santa Margarita, CA

Michael Baker prepared the local hazard mitigation plan (LHMP) for Rancho Santa Margarita. The process included facilitation of planning team meetings with city personnel and stakeholder agencies, as well as coordination with the project management team to ensure that hazards that can impact the community have been adequately characterized and that mitigation actions were developed to reduce the effects of these hazards. The LHMP included an inventory of critical facilities, hazard profiles and prioritization of hazards, a risk assessment, and mitigation actions to reduce potential vulnerabilities in the future.

The work program also included a comprehensive community outreach strategy that involved a community survey and focus meetings with a variety of community members. The community survey gauged the level of knowledge the community had about disaster issues. In addition, community members had the opportunity to provide input on the LHMP and provided input on the plan prior to issuance to the California Office of Emergency Services and Federal Emergency Management Agency.

Owner: City of Rancho Santa Margarita

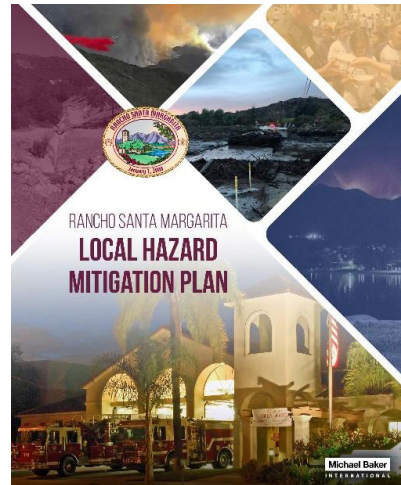
Contact: Wendy Starks, AICP
Principal Planner
wstarks@cityofrsm.org
949.635.1807

Dates of Engagement: 2018–2020

Project costs: \$74,864 (Fee)

Proposal Team Members:

- Noelle Steele, Project Manger
- Faye Stroud, Graphic Design



PROJECT RELEVANCE

- Hazard Mitigation Plan Development
- Stakeholder Engagement
- Public Involvement

This project won multiple awards including a Commendation Award from the American Council of Engineering Companies of California (ACEC) 2021 Engineering Excellence Awards and an 2021 APA Award for small jurisdictions.



COMPARABLE CONTRACTS/PROJECTS IN THE PAST FIVE YEARS

As a nationwide firm, Michael Baker works on hundreds of comparable contracts each year. As such, we have limited our responses to this request to comparable projects within California that were managed by and/or include proposed team members. A full listing of company-wide comparable projects can be provided upon request.

Local Hazard Mitigation Program

Irvine Ranch Water District

Michael Baker prepared the Local Hazard Mitigation Plan. The work effort included a community outreach strategy, risk assessment, and hazard mitigation strategy. The community outreach strategy included web and social media content and an online survey. The risk assessment task involved hazard identification and hazard profiling, mapping hazards and critical infrastructure, and a comprehensive vulnerability assessment and capabilities assessment. Mitigation goals, strategies and actions were developed and to generate a mitigation action and prioritization matrix. The plan was approved in December 2021 with minor comments from Cal OES and FEMA during the plan check process.

Michael Baker profiled 20 hazards, mapped critical infrastructure, and completed a vulnerability assessment on behalf of IRWD. An internal capabilities assessment was conducted to outline existing plans and programs that support the LHMP.

Completion Date: Ongoing

Project Manager:
Noelle Steele

Budget:
\$108,380

No. of Tasks: 5

Team Members:
Anisha Malik
Surabhi Barbhaya
Casey Marchese
Jim McPherson

Scope of Work:

- Community Outreach
- Risk Assessment
- Hazard Mitigation Strategy

Local Hazard Mitigation Plan

Elsinore Valley Municipal Water District

Michael Baker prepared the Local Hazard Mitigation Plan for Elsinore Valley Municipal Water District (EVMWD). The work effort included a community outreach strategy, risk assessment, and hazard mitigation strategy. The community outreach strategy included web and social media content and an online survey. The risk assessment task involved hazard identification and hazard profiling, mapping hazards and critical infrastructure, and a comprehensive vulnerability and capabilities assessment. Mitigation goals, strategies, and actions were developed a mitigation action and prioritization matrix was generated. The LHMP is anticipated to be approved in the Fall of 2022.

Michael Baker has profiled natural and human-caused hazards, mapped critical infrastructure and conducted a vulnerability/risk assessment. A capabilities assessment was conducted to identify existing plans and programs that support the work efforts of the LHMP.

Completion Date: Ongoing

Project Manager:
Noelle Steele

Budget:
\$124,985

No. of Tasks: 6

Team Members:
Casey Marchese
Jim McPherson
Mujahid Chandoo
Faye Stroud

Scope of Work:

- Community Outreach
- Risk Assessment
- Hazard Mitigation Strategy

Eastfoot Basin Emergency Action Plan

Irvine Community Development Company

Michael Baker was selected to prepare an update to the Eastfoot Retarding Basin Emergency Action Plan (EAP). The work effort includes updating the existing EAP, submitting drafts for public agency review, and submitting the EAP to the California Governor's Office of Emergency Services (Cal OES) for review and approval.

The project includes identifying EAP responsibilities for each dam owner/operator, EAP Coordinator, impacted jurisdictions and public and state agencies. Notification flowcharts will be developed for various emergency scenarios to ensure an efficient and effective emergency response. A four-step emergency response process will be developed, outlining the procedures from incident detection to termination and follow up. The plan will also identify the preparedness capabilities and the process for maintaining the EAP. All the necessary elements of an effective EAP will be included in the plan to meet Cal OES requirements.

Completion Date: Ongoing

Project Manager:
Noelle Steele

Budget: \$27,855

No. of Tasks: 4

Team Members:
Casey Marchese

Scope of Work:

- Update of Existing EAP
- Submitting EAP to Cal OES
- Submitting Drafts for Public Agency Review

Peters Canyon Regional Park Resource Management Plan

Orange County

Michael Baker provided environmental services and prepared the Resource Management Plan (RMP) for the entire Peter's Canyon Regional Park (Park) in addition to landscape plans and public outreach material for the Park's General Development Plan (GDP). The RMP consisted of Park-wide field visits, along with the mapping of sensitive resources, invasive species, potential mitigation areas, and special-status species locations. The RMP had numerous chapters. Public outreach included a series of "open house" style meetings, where Michael Baker provided several kiosk and educational tables—each table presented a different Park topic; therefore, community members were able to quickly find their area of interest. Both the RMP and GDP were approved and are utilized today. Michael Baker also subsequently supported OC Parks with restoration work after the 2018 fires, which damaged most of the northern reservoir and park areas.

Completion Date: 2019

Project Manager:
Richard Beck

Budget:
\$287,493

No. of Tasks: 22

Team Members:
Anisha Malik
Ryan Winkleman
Jim McPherson

Scope of Work:

- Emergency/Maintenance Planning
- Wildfire Management
- Resource Management
- Restoration Planning

COMPARABLE CONTRACTS/PROJECTS IN THE PAST FIVE YEARS (CONTINUED)

La Pata Avenue Extension Off-Site Mitigation

Orange County Public Works

Michael Baker serves as a key project team member on an Orange County Public Works compensatory mitigation project, which involves the rehabilitation of a riparian corridor along Arroyo Trabuco Creek within O'Neill Regional Park in southern Orange County. Michael Baker implemented the offsite mitigation components of the Habitat Mitigation and Monitoring Plans for the Avenida La Pata Avenue and Camino Del Rio Extension Projects, which resulted in the need to re-establish and enhance 15.97 acres of non-wetland riparian habitat. The re-establishment and enhancement sites are sited in an overall management area of 100.5 acres of California Department of Fish and Wildlife associated riparian vegetation. Because the mitigation site is within an existing creek system with large stands of mature habitat, the team predicted immediate habitat improvement and increasing biodiversity and topographic complexity.

Completion Date: Ongoing

Project Manager:
Anisha Malik

Budget: \$1.4M

No. of Tasks: 5

Team Members:
Richard Beck
Faye Stroud
Jim McPherson
Ryan Winkleman
Trina Ming

Scope of Work:

- Implementation Monitoring
- Regulatory Agency Coordination
- UAS Conditions Assessments

Housing Element Update, Safety Element Update, and Environmental Justice Element Preparation

City of San Juan Capistrano

Michael Baker was selected to prepare a comprehensive update to the Housing Element and Safety Element. Because the City is updating two General Plan Elements, the City is also required to prepare a new Environmental Justice Element (EJU). Work effort includes a community outreach strategy, an analysis of existing safety conditions and housing needs, development and development of a new EJU.

A comprehensive public engagement plan was needed in multiple languages, including special workshops and outreach to areas of concentrated needs and coordination with community-based organizations to promote fair housing and environmental justice. Michael Baker partnered with multiple community-based organizations that were especially active during the pandemic to reach out to these communities as these groups have existing relationships with and are trusted by community residents.

Completion Date: Ongoing

Project Manager:
Dan Wery

Budget:
\$398,110

No. of Tasks: 1

Team Members:
Surabhi Barbhaya
Shannon Lisko
Jim McPherson

Scope of Work:

- Community Outreach
- Existing Safety Condition Analysis
- New Environmental Justice Element

Safety Element and Environmental Justice Element

City of Seal Beach

Michael Baker was selected to prepare an update to the Safety Element and prepare a new EJU. The project involves a streamlined community outreach strategy, development of the new EJU in compliance with state and federal regulations, an update of the existing Safety Element, CEQA compliance in the form of an IS/ND and assistance through the process of plan adoption by the Planning Commission and City Council.

The project is a strategic update to the Safety Element for consistency with the recently updated Housing Element and prepare the EJU for incorporation into the City's General Plan. Community outreach includes web and social media content and an online survey to gather and incorporate input. Updates to the Safety Element account for changing vulnerability to natural hazards, including a focus on coastal related hazards. The project also includes the preparation of an Initial Study/Negative Declaration under CEQA for the Safety and EJU.

Completion Date: Ongoing

Project Manager:
Noelle Steele

Budget: \$74,880

No. of Tasks: 6

Team Members:
Casey Marchese
Surabhi Barbhaya
Jim McPherson

Scope of Work:

- Updated Safety Element
- New Environmental Justice Element
- Community Outreach
- CEQA Compliance

Integrated Mitigation Project

Riverside County Transportation Department

The project is comprised of mitigation for impacts associated with multiple road improvement projects within the area. The Integrated Mitigation Site consists of roughly 75 acres of Diegan Coastal Sage Scrub and forbland habitat. The focus of the project is restoring a degraded, intermittent creek prone to flooding during the wet season. Through the project design, additional intermittent channels and seasonal wetlands were created in order to regulate flows within the project site.

The project included the creation of multiple native habitats, including Western sycamore scrub, Southern willow scrub, saltgrass meadow, native grassland, and coast live oak woodland. Michael Baker prepared a geometric design plan illustrating the creek layout, grading, alignments, and stabilization facilities. Michael Baker landscape architects prepared plans for the quantities and placement of native species within each vegetative community. Currently, the site is in Year 1 of the five-year mitigation monitoring program.

Completion Date: Ongoing

Project Manager:
Anisha Malik

Budget:
\$1,981,117

No. of Tasks: 1

Team Members:
Ryan Winkleman
Trina Ming
Jim McPherson
Tim Tidwell

Scope of Work:

- Implementation Monitoring
- Baseline Studies
- CRAM Assessment
- Long-Term Management Plan

COMPARABLE CONTRACTS/PROJECTS IN THE PAST FIVE YEARS (CONTINUED)

General Plan Update

City of Rolling Hills Estates

Michael Baker is updating the general plan for the City, ensuring that it reflects the City's vision of tomorrow and includes a strong focus on enhancing sustainability, complying with changes in state law, and improving the plan's usefulness. The general plan is focused and organized around "placemaking" and sustainability, while maintaining the guiding principles needed to preserve the unique character and the neighborhood areas that make up the community.

Rolling Hills Estates primarily consists of small, upscale residential neighborhoods that accentuate a genuine California ranch lifestyle. The key components of this equestrian community's character include the natural topography, gently rolling hills, open vistas across ravines, lush landscape, relatively low traffic volumes, and small-scale, low-intensity development.

Michael Baker's corridor plans will include streetscape designs that cater to a high-end community. These plans are considerate of the area and bring neighborhoods and business districts together in a cohesive way.

Completion Date: Ongoing

Project Manager:
Surabhi Barbhaya

Budget:
\$821,941

No. of Tasks: 1

Team Members:
Kristen Bogue
Shannon Lisko
Jim McPherson
Noelle Steele

- Scope of Work:**
- General Plan Update
 - Sustainability Planning
 - Geographic Information Systems

Safety Update

City of Elk Grove

Michael Baker completed an update of the City's General Plan Safety Element and Zoning Code to comply with SB 5 and CVFPP 200-year floodplain requirements. Revised Safety Element policies focus on locating new essential government service facilities and essential health care facilities outside of 100-year and 200-year flood hazard zones; identifying construction methods or other hardening methods for such facilities to minimize damage for facilities that remain in flood hazard zones; providing ongoing review and revision of 100-year floodplain and 200-year floodplain maps; and working with regional, county, and state agencies to develop mechanisms to finance design and construction of facilities to achieve an urban level of flood protection.

Educational materials were prepared and public workshops were conducted to provide information to residents and property owners in affected areas. Michael Baker is also preparing an IS/ND to provide CEQA documentation for the Safety Element update.

Completion Date: 2021

Project Manager:
Dan Wery

Budget:
\$2,547,818

No. of Tasks: 51

Team Members:
Margo Nayyar

- Scope of Work:**
- General Plan Safety Element
 - Zoning Code Update
 - Educational Materials
 - Public Workshops
 - CEQA Documentation

Contract Planning

City of Laguna Woods

As part of an ongoing on-call contract, Michael Baker is currently preparing a comprehensive update to the city of Laguna Woods General Plan, building upon past efforts to update the safety and conservation elements. As part of the general plan update, the city revisited its first general plan and updated the underlying assumptions, data, and analysis, reassessed community priorities, and established a new, long-term 25-year vision. In addition to updates to the housing, noise, mobility, and land use elements, the project includes the preparation of the city's first wellness element addressing open space, environmental justice, and health. Michael Baker also prepared an environmental impact report for this project.

Laguna Woods has a particularly large population of residents who are older than 65. This was a major component of policy development for each general plan element. The city's demographics were a significant factor in the preparation of a climate change vulnerability assessment.

Completion Date: Ongoing

Project Manager:
Albert Warot

Budget:
\$746,158

No. of Tasks: 1

Team Members:
Surabhi Barbhaya
Jim McPherson
Margo Nayyar
Faye Stroud

- Scope of Work:**
- Planning Assistance
 - General Plan Amendments
 - Zoning Assistance

Comprehensive General Plan Update

City of Rancho Santa Margarita

Michael Baker is preparing the city's Comprehensive General Plan Update and associated EIR. The City Council adopted its first General Plan in December 2002. With the General Plan being 13 years old, the General Plan Update was authorized as a Capital Improvement Project beginning in Fiscal Year (FY) 2015/16 to ensure that the city's goals and policies remain appropriate for the next 10 to 15 years. The focus of the update is to "refresh" the Land Use, Economic Development, Conservation/Open Space, Safety, and Noise elements to address the continued vision for the city. Additionally, updates will ensure that all elements are consistent with new state requirements for general plans.

An "all hands" interactive discussion with city staff was held to discuss the role each department plays in the update and implementation of the General Plan. In addition, a robust public outreach plan to actively engage the public during this process was implemented.

Completion Date: 2020

Project Manager:
Eddie Torres

Budget:
\$328,709

No. of Tasks: 1

Team Members:
Jim McPherson
Noelle Steele
Ryan Winkleman
Faye Stroud

- Scope of Work:**
- General Plan Update
 - EIR Preparation
 - Community Engagement
 - Website Design

COMPARABLE CONTRACTS/PROJECTS IN THE PAST FIVE YEARS (CONTINUED)

Multi-Jurisdictional Hazard Mitigation Plan (MJHMP)

Mono County

Michael Baker prepared a multi-jurisdictional LHMP and concurrently completed a community wildfire protection plan for the County and the Town of Mammoth Lakes. The team evaluated risks and vulnerabilities to a range of hazards affecting the County and identified mitigation actions to make these communities more disaster resilient and provide continued eligibility for future federal mitigation grant funding. The project also contained a comprehensive implementation plan, including consistency and coordination with the County and Town general plans and other planning documents.

As part of the plan preparation process, the team conducted community stakeholder outreach that included key representatives from federal, state, county, and town staff; emergency responders; utility providers; and members of the public, to identify vulnerabilities and prioritize mitigation strategies.

Completion Date: 2019

Project Manager:
Surabhi Barbhaya

Budget:
\$196,898

No. of Tasks: 1

Team Members:
Kristen Bogue
Lindsey Robinson

- Scope of Work:**
- Community Wildfire Protection Plan
 - Mitigation Action Identification
 - Implementation Plan
 - Community Outreach

Housing and Safety Element Update, Environmental Justice Element Preparation

City of Pinole

Michael Baker was selected to prepare a comprehensive update to the City of Pinole Housing Element and Safety Element, and create a new Environmental Justice Element. This work effort includes a community outreach strategy, an analysis of existing safety conditions and housing needs, development and adoption of updated Safety, Environmental Justice, and Housing Elements and CEQA compliance.

The project is a strategic update to the Pinole Housing Element and Safety Element for incorporation into the City's General Plan. Community outreach includes web and social media content, an online survey, and targeted virtual outreach meetings to gather and incorporate input. An analysis of the existing conditions for the Safety Element and housing needs will be used to identify safety and housing concerns and develop a plan with updated and/or new safety and housing objectives and policies.

Completion Date: 2019

Project Manager:
Susan Salley
Veazey

Budget:
\$481,360

No. of Tasks: 8

Team Members:
Surabhi Barbhaya
Shannon Liska
Casey Marchese
Jim McPherson
Noelle Steele

- Scope of Work:**
- Community Outreach
 - Analysis of Safety Conditions/Housing Needs
 - CEQA

Dam Inundation Studies and EAPs

Orange County Public Works

Michael Baker was selected to update six Dam EAPs for Orange County Public Works. The dams and retarding basins include Agua Chinon Retarding Basin, Lower Peters Canyon Retarding Basin, Marshburn Retarding Basin, Orchard Estates Retarding Basin, Peters Canyon Dam, and Trabuco Retarding Basin. The work effort included preparing EAPs for each dam, submitting drafts for public agency review, and submitting each EAP to Cal OES for review and approval. The project included identifying EAP responsibilities for each dam owner/operator, EAP Coordinator, impacted jurisdictions, and public and state agencies. A four-step emergency response process was developed, outlining the procedures from incident detection to termination and follow up. The plan also identified preparedness capabilities for each of the dams and the process for maintaining each EAP was also identified. All the necessary elements of an effective EAP were identified in the plan to meet Cal OES requirements and each of the six dam EAPs were approved.

Completion Date: Ongoing

Project Manager:
Mujahid Chandoo

Budget:
\$746,158

No. of Tasks: 3

Team Members:
Noelle Steele
Jim McPherson

- Scope of Work:**
- Emergency Action Plan Preparation
 - Submitting EAP to Cal OES
 - Submitting Drafts for Public Agency Review

”

Cal OES was VERY complimentary about the LHMP. [The plan checker] said it is a terrific plan, very well done, and wanted to know who our consultant is so she can recommend to others accordingly.

*-Wendy Starks, Principal Planner
City of Rancho Santa Margarita*



F. PROJECT UNDERSTANDING, OVERVIEW, AND APPROACH



A Proven Process for Ensuring High-Quality, Integrated Planning and Safety Documents

The City can feel confident that Michael Baker's understanding of FEMA requirements and regulatory agency needs to produce the required documents for your Safety Mitigation efforts will ensure an integrated program that will serve the City's Safety Mitigation efforts into the future.

UNDERSTANDING

Michael Baker understands that cities in Southern California are preparing updated Housing Elements in accordance with California Housing and Community Development (HCD) requirements and Southern California Association of Government (SCAG) housing projections. The Housing Element update requires updates to the Safety Element. Our team is in the process of supporting clients across California in navigating this complex regulatory requirement, balancing the needs of HCD, the Governor's Office of Planning and Research (OPR), and California Department of Forestry and Fire Protection (CAL FIRE) in producing top-tier Safety Element updates.

Additionally, we understand that the City received grant funding from Cal OES/FEMA to prepare the first iteration of a LHMP. This plan will establish eligibility for future grant funding opportunities. As such, it is in the City's best interest to update the LHMP alongside the Safety Element update requirements outlined above. It is critical to ensure consistency between these emergency-related documents.

The LHMP will be prepared in compliance with all appropriate regulatory requirements—including the Disaster Mitigation Act of 2000—with the goal of obtaining plan certification and approval with Cal OES and FEMA. Michael Baker is extremely knowledgeable in FEMA requirements, as we provide on-call staff services to FEMA throughout various geographies. Furthermore, the LHMP would identify goals, vulnerabilities, capabilities, and mitigation actions that make the City more resilient to potential hazards. The LHMP processes will feed directly into the Safety Element update process.

The Safety Element addresses natural and human-induced hazards that could potentially impact the community and quality of life. The Safety Element will continue to focus on public safety, providing and planning for adequate services as the highest obligation. Additionally, in accordance with Senate Bill 379, the updated LHMP will be incorporated into the Safety Element. Goals and policies will support the City's ability to prepare for and mitigate hazards while promoting the safety of Yorba Linda residents.

Changes and updates in the Safety Element, information uncovered in the LHMP development process, and the evacuation planning deliverable will trigger the need to update the City's Emergency Operations Plan (EOP). With the increasing frequency of natural hazard events such as wildfires, we understand that a well-organized and current EOP is critical to establish methods for conducting emergency operations, rendering mutual aid, resource mobilization, and more. Our team is experienced in preparing EOP documents that are responsive to the City's needs while meeting or exceeding the requirements of Cal OES.

There are many challenges associated with the wildland urban interface, maintaining both open space areas and public safety as prominent wildfire conditions increase. As identified within the seven project areas of the CAL FIRE Grant, non-native species can often out-compete native vegetation, resulting in dense communities that continue to spread annually. The Michael Baker Team understands the urgency in vegetation maintenance based on our experiences with invasive species throughout Orange County as well as our work for post-fire clean up in California following the 2020 fire complexes.

Through multiple on-call contracts with CalOES, County of Orange, and numerous municipalities, our Team has implemented similar action plans and incorporated creative and value-added ideas to benefit the goals of each project. The La Pata Avenue Extension Off-Site Mitigation Project is one example, where our Project Manager worked closely with the Restoration Contractor to strategize and improve removal methods for *Arundo donax* within a creek system. The 14-acre project experienced a variety of challenges, from the rapid growth of invasive species to the introduction of Polyphagous Shot Hole Borer (PSHB) within the well-established native trees. In both cases, she collaborated with multiple resource agencies and research teams to continually improve on activities to achieve a successful outcome of the project. This restoration work won the American Council of Engineering Companies (ACEC) annual awards for restoration in 2020.

Due to the proximity of many of our vegetation removal projects to residential areas, we incorporate community engagement as a means of educating the public on the goals and importance of the project. For example, we supported OC Parks on preparing a Resource Management Plan for Peters Canyon Regional Park. In 2017, the Canyon Fire 2 engulfed a large portion of the Park, resulting in the loss of native habitat key for some of our local endangered wildlife. Following the fire, we worked with OC Parks during a volunteer replanting day, offering our services to educate the attendees on the lost habitat, post-fire recovery of



native plants, and fire prevention measures. By promoting fire prevention education in the community, we can aim to reduce the probability of wildfire igniting in the local responsibility areas (LRA) and ultimately the spread to the state responsibility areas (SRA).

Our team has developed an integrated approach, while also providing flexibility to respond to the City’s specific needs.

APPROACH

Michael Baker proposes a multi-pronged approach to efficiently manage the Safety Element Update, LHMP development, and EOP update process as well as the multi-year Fire Prevention Grant. The first phase will begin at project initiation, where the Safety Element and LHMP preparation process will be kicked-off concurrently. By preparing these deliverables in a parallel process, Michael Baker will expedite development of both the Safety Element and LHMP. This approach will also prevent duplicative work efforts. The vulnerability assessment, climate change/adaptation overview and other natural hazard background information included in the LHMP will be folded into the Safety Element concurrently. Our integrated group of in-house resiliency planners will ensure internal consistency between both deliverables as appropriate.

Once the LHMP is finalized, the team will initiate the EOP update. Updates established in the Safety Element, LHMP and Evacuation Planning deliverables will inform updates to the EOP, particularly the Wildland Fire annex. Continuity in staffing will ensure maximum consistency between each individual deliverable and allow our team to “hit the ground running” at the time of LHMP approval. We understand that meeting project milestones are critical.

Our approach is supported by multiple advantages, briefly noted below:

- **A Local Firm with a National Resiliency Perspective**
Michael Baker is familiar with the City through past projects. Members of our project team call Yorba Linda home, and we are eager to make our local communities more resilient. This project will be initiated by a local team, with a strong grasp of hazards and environmental issues that affect the City—both specific to Yorba Linda and the larger southern California region.
- **A FEMA-Selected Community Engagement and Risk Communication Contractor (CERC)**
Michael Baker has a national contract with FEMA for which key project staff members are currently providing mitigation support to FEMA Region IX on a daily basis. Through this contract, Michael Baker staff regularly conducts HMP reviews on behalf of FEMA, analyzing completed plans to ensure compliance with federal regulations and guidance. Our staff also creates technical guidance, communication strategies and graphics support to help FEMA properly communicate risk. As part of this work effort, Michael Baker has gained valuable knowledge of FEMA preferred approaches to strengthen LHMP deliverables.

▪ **Innovative and Streamlined Community Engagement and Outreach**

In addition to our hazard and resiliency services, Michael Baker has a suite of community outreach options to meet the needs of the City. We’re skilled at facilitating stakeholder outreach both in-person and virtually, including interactive activity-based tools best suited for each format. Additionally, we’ve found that facilitating pop-up outreach at community events are an excellent opportunity to meet people where they are. Our graphic designers are experienced in preparing web graphics and social media content – additionally, we have designers who can build virtual community outreach rooms where participants can “walk” around a room like they would an in-person meeting. Online surveys are popular tools for LHMP-specific outreach, a cost-effective option that allows citizens to participate on their own time.

▪ **Federal and State Grant Funding Experts**

The most critical reason to maintain and active LHMP is to maintain eligibility for FEMA grant programs such as Building Resilient Infrastructure and Communities (BRIC) or Hazard Mitigation Grant Program (HMGP). When Michael Baker helps Yorba Linda identify mitigation actions that will make the City more resilient, our team will identify potential funding mechanisms, including FEMA grant programs or other state/federal programs. Our LHMPs are valuable documents that assist with future resiliency-based Capital Improvement planning. **Nationally, Michael Baker has secured \$302,217,568 in grant funding for our clients - \$73,551,333 in funding specifically for California clients.**

MANAGEMENT OF PROJECTS

Richard Beck shall serve as the Program Manager for the Michael Baker Team. Richard is supported by two Project Managers, Noelle Steele for Emergency Planning Documents (Safety Element, LHMP, and EOP), and Anisha Malik (CAL FIRE Prevention Grant) as depicted in our organizational chart. Mr. Beck will provide overall management and support to the Project Mangers throughout the life of the Project. Mr. Beck will also serve as a key point of contact for the City’s main Program Manager, Colleen Callahan. Ms. Steele and Ms. Malik will be primary day-to-day contacts for the City’s individual Project Managers.



Meetings shall be scheduled to facilitate timely review and approvals necessary to make sure there is appropriate progress and task completion. Dates, times, and locations shall be agreed upon by Michael Baker and the City. The Michael Baker management team shall be responsible for the following tasks:

- Serve as liaison to the client for contract administration, communication, meeting organization, scheduling (project schedule and in-house team schedule), and budget;
- Assignment of tasks and providing technical direction to the Michael Baker Team;
- Review of technical documents to make sure they have been quality controlled and are in compliance with the Scope of Work and standard set forth by the client;
- Monitor the project schedule and budget and advise the client in advance to the extent practicable when schedule or budget is impacted;
- Participate in development and conduct quality control reviews for all deliverables from Michael Baker Team members.

We understand our role as an extension of staff and the fact that good communication will result in a successful project. Specific ways we will facilitate communication and track project schedule include:

Meeting Minutes: Michael Baker has implemented a process of recording formal meeting minutes for all projects, especially those that involve other consultants or agencies. Meeting minutes are critical to document all steps of grant-funded projects.

Filing: Michael Baker maintains an extensive filing system for each of our contracts. All incoming and outgoing correspondence is logged for easy retrieval within our local network. All deliverables are copied to disk and stored in the files along with a submitted original copy.

Project Schedule: We use Microsoft Project (MS Project) for environmental and planning project scheduling. MS Project schedules have been included in this proposal and will be maintained as “living documents” throughout the life of the project. Schedules are routinely submitted to the client starting at the proposal phase and throughout the work effort.

QUALITY ASSURANCE / QUALITY CONTROL

Michael Baker’s team will operate under a Quality Management system of which a specific Quality Control Plan is only a part of the overall system. The Quality Management program is a continuous process used not just at project milestones but also on a daily basis as work flows from desk to desk, discipline to discipline, and consultant to client. Our standalone Quality Management system is specific to the environmental and regulatory disciplines included in this solicitation.

The Quality Assurance Manager will be responsible for providing an on-going review that the Quality Management

system is fully implemented throughout the design process. The program consists of the following key elements:

1. Quality Assurance Plans are developed by each office and set the standards for quality per company standards.
2. Quality Control Plans (QCPs) are prepared by each discipline, thereby increasing relevancy, and maintaining detail. For example, our QCPs for CEQA/NEPA, vary from our QCPs for hazard mitigation plans and emergency deliverables as they are document specific.
3. Project Management Plans (PMPs) are prepared at notice to proceed. This job-specific PMP includes key project components such as contract and scope of work, budget and schedule information, team member roles and identification, as well as health and safety documentation. This document provides the project manager with a resource document through the life of the project. It should also be noted that all relevant team members must review the PMP and sign an acknowledge form that such as review has been completed.
4. Project Specific Quality Management Plans are prepared and utilized during deliverable review. Each document is review (and revised where needed) prior to submittal to the client.



APPROACH TO PROJECT SETUP

Each of the four projects will be set up in our system independently as a separate job number allowing for efficient job tracking, storage, and management. The job folders are also linked, so they can be utilized for the overall project. Linking our folders is helpful as consistency is key with each of the hazard-related documents that will be prepared.

APPROACH TO FINANCIAL TRACKING AND BILLING

Michael Baker's project control system follows a pre-established format, which is accepted by local, state and, federal public agencies. It is an Internet-based Oracle database system that combines financial monitoring with an assessment of progress, client satisfaction, and technical performance. The control system requires that program managers regularly update, assess and report on their projects. This is done on a weekly basis.

Through this system, we provide a clear and concise monthly invoice to each client. Michael Baker has a standard invoicing checklist that the Project Manager will follow to ensure each step in the invoicing process is reviewed and billed appropriately. This is critical for grant-funded projects. For this project, we will be sending four separate invoices per month, one for each Project. This will allow for accurate tracking and easy review for the City. If desired, each invoice can also highlight a cumulative amount for the entire project (i.e., all four scopes of work). Furthermore, each invoice will include a "progress report," which will summarize activities in progress or completed during the current billing cycle.

CLIENT EXPECTATIONS

Michael Baker seeks to serve as an extension of City staff and provide support throughout the project. Michael Baker assumes that the City will provide:

1. Site Access
2. Existing Relevant Files/Documentation
3. CDFW Permit (Agreement) Application Fee, if required

ADDITIONAL SERVICES

The tasks below are currently excluded from this scope of work, but may be required and are therefore referred to as "Additional Tasks." The Tasks below may be added to the formal original contract or through a contract augmentation. Michael Baker is not obligated to perform such Additional Services unless formally included in the original contract or if an amendment to the Agreement has been fully executed.

Additional Services:

1. CEQA Mitigated Negative Declaration/Environmental Impact Report
2. Habitat Mitigation and Monitoring Plan
3. U.S. Army Corps of Engineers/ Regional Water Quality Control Board Permitting
4. Consultation with U.S. Fish and Wildlife Service
5. Professional Land Survey
6. Aerial topography or photography
7. UAS or Drone Flights
8. Legal descriptions and exhibits
9. Cultural/Paleo Studies
10. Focused Plant/Wildlife Surveys
11. Restoration/Planting Plans
12. Evacuation Plans

The following tasks are excluded from our scope of work and are not anticipated.

Exclusions

1. Application Fees
2. Soils Engineering and geotechnical report
3. Utility plans/relocation plans
4. Subsurface infrastructure/utility visual inspection

SCOPE OF SERVICES

Our success is based on a detailed approach to our projects. While we have included the "set" scopes of work provided by the City in the Appendix, we also wanted to highlight our focus on each task at hand. A description of each scope of work is described herein.

SCOPE #1 – SAFETY ELEMENT UPDATE

Task 1: Project Kickoff and Background Data Review

Michael Baker will conduct a kick-off meeting/call with the City's Project Management team to initiate work on both the Safety Element update and Local Hazard Mitigation Plan update (Scope #2, Task 1). The team will review the scope of work, anticipated project schedule, communications protocol, and deliverables; discuss staff expectations; and have an initial discussion of data needs and the community outreach approach. It is assumed this meeting will occur virtually.

Available resource documents pertinent to the LHMP update, Safety Element update, and Emergency Operations Plan update process will be identified and compiled by the City for background review. Applicable resource documents include the City's existing General Plan and Safety Element, City Emergency Operations Plan/Emergency Action Plan, and any other hazard related assessments or reports. The City shall provide land use data layers from the City GIS database, along with any existing mapped hazard related data for use in identifying vulnerabilities.

Michael Baker assumes this project will qualify for the "commonsense rule exemption" found in CEQA Guidelines Section 15061(b)(3).

Task 2: Safety Element Update – Crosswalk Matrix and Exhibits Update

Michael Baker understands the City's desired approach to streamline the Safety Element Update process to meet OPR's updated guidelines, primarily to account for changes associated with the Housing Element.

To prepare the Safety Element update, Michael Baker will prepare a crosswalk matrix outlining required updates to the document. This will include consistency updates based on the recent Housing Element Update, incorporation of the LHMP by reference, incorporation of Evacuation Planning Effort by reference, and general modernization updates as needed. Michael Baker will document all proposed edits to the Safety Element in a matrix, indicating the page number requiring the edit and proposing the edit in redline/strikeout.

A screencheck draft will be provided to the City for one round of comments and review. In coordination with the crosswalk matrix, Michael Baker will also update all existing Safety Element exhibits. One new exhibit will be added to the Safety Element depicting major City evacuation routes. Data from the City prepared evacuation planning effort shall be provided to Michael Baker to create this exhibit for inclusion in the Safety Element update. Exhibits in the Safety Element will be consistent, but not identical to exhibits prepared in the LHMP.

Task 3: Administrative Draft Safety and Element Preparation

Upon completion of the proceeding tasks, Michael Baker will prepare an administrative draft Safety Element Update. This element will include an introduction, existing conditions section, relationship to other elements, and goals and policies. Text prepared as part of the LHMP Update process will be incorporated into the Safety Element update as appropriate. The Safety Element will be consistent with SB 99, Residential Emergency Evacuation Routes and AB 747, Evacuation Routes. Using data from the City prepared evacuation planning efforts, Michael Baker will assist in identifying residential neighborhoods in any natural hazard area that does not have at least two emergency evacuation routes. The Safety Element will also discuss evacuation route capacity, safety and viability under the range of provided emergency scenarios. Michael Baker assumes the City prepared evacuation planning efforts will provide sufficient data and detail for Michael Baker to prepare the Safety Element in accordance with both SB 99 and AB 747, including evaluation of a range of emergency scenarios. Traffic surveys are excluded from Michael Baker's scope of work."

In addition, the Safety Element will be prepared in consistency with SB 1241, State Responsibility Areas and Very High Fire Severity Zones. Risk will be assessed in the LHMP and incorporated into Safety Element by reference. Consultation with the appropriate regulatory agencies will occur under Task 4.

Michael Baker assumes no major or significant policy changes or overhauls will be required; updates to the Safety Element aim to be straightforward to meet the updated OPR requirements. Formatting would mimic the existing General Plan Elements where feasible, to maintain visual consistency between the City's documents.

Deliverables would include all required components and would clearly respond to OPR guidance for Safety Elements, with focus on consistency with all Housing Element Updates. Michael Baker will provide an electronic screencheck administrative draft (Microsoft Word) to the City for internal review. Comments and revisions from the City are anticipated to be minor and occur in redline/strike-out and track changes.

Task 4: Public Review Draft Safety Element

Michael Baker will incorporate one consolidated set of comments/revisions on the screencheck administrative draft

Safety Element to prepare public review draft documents. Michael Baker will provide an electronic public review draft in PDF and Microsoft Word format to the City. Public review is anticipated to occur over a minimum 30-day period, with the General Plan Elements made available on the City's website and up to two hardcopies available at locations in the City. The City will be responsible for collecting public comments/questions and distributing to Michael Baker at the close of the public review period. At this time, Michael Baker will lead and facilitate consultation with CAL FIRE and the California Department of Conservation to ensure policies are consistent with state regulations as appropriate.

Task 5: Final Safety Element Preparation

Michael Baker will compile all comments received on the public review draft Safety Element and will incorporate changes into the document as necessary. Michael Baker assumes response to 10 letters and comments as part of this work effort. The final Safety Element will be prepared for presentation to Planning Commission and City Council. Michael Baker will provide two staff members to support at Planning Commission and City Council adoption hearings for presentation support and answer questions as appropriate.

SCOPE #2 LOCAL HAZARD MITIGATION PLAN

Task 1: LHMP Planning/Development Process

Task 1.1 Project Kickoff and Background Data Review

This task will occur in coordination with Scope #1, Task 1. As a cost saving measure to the City, the Safety Element and LHMP kick-off will be conducted in the same meeting.

Task 1.2 Hazard Mitigation Planning Committee Meetings

Michael Baker will work with the City to identify stakeholders to participate on the Hazard Mitigation Planning Committee (HMPC). The HMPC will be a major contributor to the planning process and will guide the LHMP development. In accordance with Cal OES/FEMA requirements, the HMPC will consist of both internal city representatives and external partners, such as representatives from neighboring cities, public safety agencies or the County government. Michael Baker will utilize expertise from the HMPC to provide input on Yorba Linda hazards and identify mitigation projects for implementation. Additional data resources will be solicited from participants. Michael Baker will facilitate four HMPC meetings including preparation of agendas, meeting minutes, schedules, and action items. City staff will be responsible for securing meeting locations and coordinating HMPC invitation distribution. If COVID-19 restrictions prevent HMPC from gathering in-person, Michael Baker can provide technology for a virtual meeting via Microsoft Teams, Zoom, or similar. These meetings are anticipated to require a two hours of participation time each, and are expected to cover the following topics:

- **Meeting 1:** Introduction to hazard mitigation planning; explanation of roles/responsibilities; community engagement strategy overview; hazard overview; preliminary data collection.

- **Meeting 2:** Preliminary results and findings of risk assessment; community asset inventory review; group analysis and risk factor development.
- **Meeting 3:** Identification of goals; capability assessment; development of mitigation actions.
- **Meeting 4:** Prioritization of mitigation actions; implementation strategy for mitigation actions; plan maintenance process.
- **Post Meeting 4:** HMPC review of the Initial Draft Plan.

In compliance with FEMA and Cal OES requirements, Michael Baker will thoroughly document the HMPC planning process including: narrative description of preparation and process; record of dates, attendees and agendas; record of departments, agencies, organizations and persons participating in plan development; and, coordination with City plans and planning mechanisms.

Task 1.3 LHMP Community Outreach

Community engagement is a required component of the LHMP planning. All LHMP outreach activities shall be thoroughly documented with summaries and pictures, for incorporation into the LHMP per Cal OES and FEMA requirements.

Online Community Survey: Michael Baker will develop an online survey and provide a detailed summary of input received. The survey will be hosted on SurveyMonkey®. The survey will include multiple-choice questions, ranking/rating scales, and open-ended questions. Michael Baker will coordinate with the City to make the survey link available on the City's website. The City will be responsible for distributing and promoting the survey.

Web Content/Social Media: Michael Baker will develop web content and graphics that can be used on the City's website or on a webpage that is specifically dedicated to the project, including the LHMP update. The webpage will provide information about the planning process, meeting dates, access to community outreach summaries and draft plan documents when available. Website visitors will have an opportunity to provide input, comment on the LHMP or ask questions. The City will be responsible for disseminating information and updates on the plan process through the webpage and social media.

Community Workshop: Michael Baker will facilitate one (1) workshop or pop-up event to solicit in-person input and educate the public about the LHMP update process. Workshops are a fantastic opportunity to inform the community. At the time of outreach planning and scheduling, Michael Baker will also coordinate with the City Project Management Team to review current COVID-19 gathering restrictions before deciding the type of outreach event.

Michael Baker will work with the Project Management Team to determine the best location and approach to the workshop. Michael Baker will design one promotional piece per event to publicize the opportunity to participate. The promotional piece will be provided to the City for review, and one round

of revisions is assumed. The City will be responsible for the dissemination of the promotional piece.

Task 2: Risk Assessment

Task 2.1 Hazard Identification and Profiles

Following background information review and based on the hazard identification/ranking, Michael Baker will prepare hazard profiles. Each profile will include a hazard definition, location and extent of past occurrences, the probability of future occurrences, and climate change considerations. A maximum of sixteen (16) profiles will be prepared, including seismic, flood, wildfire, drought, and other hazards identified by the HMPC. Wildfire specifically will be profiled and detailed in accordance with SB 1241, including required mapping and evaluation.

Michael Baker will work with the HMPC to finalize which hazards will be included in the LHMP, to provide a complete picture of the hazard risk in Yorba Linda. Michael Baker takes a unique approach to incorporating climate change into the LHMP. Recognizing that many natural hazards (wildfire, flood, drought, etc.) are closely related to climate change, Michael Baker integrates an in-depth analysis of this correlation on a hazard-by-hazard basis. This prevents redundancy and allows for all potential impacts/vulnerabilities to be evaluated with consideration for climate change. This will also allow the City to satisfy climate adaptation requirements to be folded directly into the Safety Element.

Task 2.2 Hazard Mapping

Utilizing our in-house GIS experts, Michael Baker will prepare GIS base maps and hazard mapping to support the hazard profiles. Working from these base maps, Michael Baker will confirm a list of critical assets for mapping with the HMPC. The City will provide GIS data including information about parcels, land use, building type/footprint, and any localized hazard maps (if available). Michael Baker anticipates the City data will require minimal alterations. Current and newly created (as needed) data will be used to develop mapping products to illustrate location, extent, severity, and other information for potential hazards within the service area.

Maps will show the locations of local assets and clearly summarize the intersection of hazard locations and assets. These local assets will include public buildings, critical facilities and infrastructure and will be reviewed and confirmed with the HMPC. Maps will depict the location of parcels, structures, land use, and populations when feasible and structures will be identified by type of use. Concurrent with preparation of the hazard and assets maps, the HMPC will develop the critical facilities list to be used as part of the risk assessment. While critical facilities will be shown in map form, a separate list will be prepared for inclusion in the LHMP. Preparation of this list is a vital component of the hazard mitigation planning process. Information needed from the City also includes building and content valuation to assist with the quantification of potential losses. Exhibits in the LHMP will be consistent, but not identical to exhibits prepared in the LHMP.

Task 2.3 Vulnerability Assessment

Upon completion of the hazard profiles, Michael Baker will prepare a vulnerability assessment, using the approved critical facilities list and hazard profiles prepared as part of previous tasks. The vulnerability assessment will consist of an analysis overlaying these two data sets and identifying the facilities that are vulnerable to the profiled hazards. The vulnerability assessment will include the following, based on data availability: Types/numbers of buildings, infrastructure, and critical facilities located within identified hazard areas; an inventory of all repetitive flood loss structures, as defined by FEMA, if applicable; and description of land uses and development trends to advise future land use decisions.

The result of this analysis will be presented in tables identifying facilities/infrastructure and relevant hazards most likely to affect these facilities. Exhibit maps will correspond to this latest information. Upon completion, both the hazard profiles and vulnerability assessment will be presented to the HMPC. In addition, Michael Baker will evaluate the impacts of natural hazards to vulnerable populations, including those that are reliant on others for their wellbeing, such as young children, individuals with disabilities, individuals dependent on medical equipment, individuals with impaired mobility, as well as people with low socioeconomic levels.

Task 2.4 Capabilities Assessment

A capabilities assessment is a comprehensive review of all the various policies, plans, programs, and procedures that assist in hazard mitigation activities. This portion of the document provides an understanding of the capabilities and tools currently available to Yorba Linda, as well as local, state, federal agencies, that contribute to hazards reduction. The HMPC will review existing capabilities and identify the applicable codes and plans that affect or mitigate the impact of potential hazards in the City.

Task 3 Hazard Mitigation Strategy

Working with the HMPC, goals will be developed to ensure adequate communication of desired end states and provide a foundation for meaningful hazard mitigation actions. The Michael Baker team will develop a comprehensive range of potential mitigation actions, that will reduce the impacts of each profiled hazard. Mitigation actions will be developed with consideration for potential future state or federal funding through capital improvement bond programs and/or mitigation grant programs.

Based on FEMA guidance, mitigation actions and projects refer to hazard mitigation action, activity, process, or physical project designated to reduce or eliminate the long-term risks from hazards. A comprehensive mitigation strategy analyzes a wide range of actions from multiple forms of mitigation techniques, including structural projects, nonstructural projects, natural systems protection projects, and educational/awareness programs. Mitigation actions are intended to reduce risk to existing buildings and infrastructure, as well as limit any risk to new development and redevelopment.

Michael Baker will develop mitigation actions based upon discussions and feedback from the HMPC. We will also develop a process to prioritize identified mitigation actions, and identify the following information:

- Responsible Department(s): The agency/department responsible for the action identified.
- Potential Funding Source: Sources of future funding that can be used to implement the action.
- Priority: General priority of the action (high, medium, low), based on team input.
- Relative Cost: The relative cost to implement the action, based on cost categories determined by the HMPC.

Task 4 Hazard Mitigation Plan Maintenance Process

Task 4.1 Monitoring, Evaluating, Implementing and Updating

The plan maintenance process will be discussed at the HMPC meetings, including how the City will monitor, evaluate, implement, and update the Plan. Michael Baker will prepare a chapter that identifies the plan maintenance and implementation steps over the five-year plan period. This chapter will describe the methods and schedule for monitoring, evaluation of, and updating of the plan. The chapter will also describe how the mitigation plan elements will be incorporated into other planning mechanisms, as well as how the public will continue to remain involved throughout the future planning process.

Task 4.2 Prepare Draft LHMP for HMPC Review

Michael Baker will compile the information into an electronic administrative draft version of the LHMP. Our approach of working closely with the HMPC has shown to expedite the review process, because HMPC members have already reviewed LHMP content through by the time the administrative draft document is complete. The City will be responsible for collecting HMPC comments and providing to Michael Baker at the end of the review period. HMPC comments (as applicable) will be incorporated to prepare an updated public review draft document.

Task 4.3 Prepare Public Review Draft LHMP

Michael Baker will prepare the public review draft LHMP. The draft document will be made available to the public for comment and feedback to be incorporated into the LHMP prior to submitting to Cal OES and FEMA for review. Michael Baker anticipates a 30-day public review period, with the LHMP made available on the City's website.

Task 4.4 Prepare Plan Submittal for Cal OES/FEMA Review

Michael Baker will compile comments received on the public review draft LHMP for inclusion as an appendix item and revise the LHMP. The LHMP will then be submitted to Cal OES for initial review; the Michael Baker team will address any comments/concerns from Cal OES before the final LHMP is submitted to FEMA. Michael Baker will prepare the FEMA Hazard Mitigation Plan Review Tool that will accompany the submission.

Task 4.5 Obtain Conditional Approval Pending Adoption from FEMA

If comments are provided by Cal OES and/or FEMA, requiring plan revisions, Michael Baker will revise the LHMP. In the past, Michael Baker has successfully completed plans that did not require revisions or required only minor revisions by FEMA prior to adoption, which is our goal for Yorba Linda's LHMP. If revisions are necessary, Michael Baker will work with Cal OES FEMA to address them to ensure an "approvable pending adoption" (APA) determination.

Task 4.6 Plan Adoption

Once the LHMP has received an APA determination, the Michael Baker team will present the final LHMP to the City Council for adoption. The City must formally adopt the LHMP within one calendar year of receipt of FEMA APA designation. After adoption, Michael Baker will submit proof of adoption to FEMA, via the Board's resolution. Five (5) Final copies of the adopted LHMP will be transmitted to the City.

SCOPE #3 EMERGENCY OPERATIONS PLAN

Task 1 EOP Update – Crosswalk Matrix & Exhibits Update

To prepare the EOP update, the Michael Baker team will prepare a crosswalk matrix outlining required updates to the document. This will include consistency updates based on the recent Safety Element, LHMP and Evacuation Planning deliverables, and other general modernization updates as needed. Special consideration will be taken with the Wildland Fire Annex, though all EOP sections and annexes will be reviewed for updates. Michael Baker will gather important information regarding City infrastructure, resources, and contracted services to ensure an updated, comprehensive emergency operations plan that adheres to services in order to ensure, upon completion, an updated, comprehensive emergency operations plan that adheres to the fundamentals of the National Incident Management System (NIMS) and incorporates the State's Standardized Emergency Management System (SEMS) while meeting the requirements CALOES' planning guidance as outlined in the 2020 Emergency Plan Review Crosswalk.

Michael Baker will document all proposed edits to the EOP in a matrix, indicating the page number requiring the edit and proposing the edit in redline/strikeout for ease of reference. An electronic screencheck draft will be provided to the City for one round of comments and review. In coordination with the crosswalk matrix, Michael Baker will also prepare exhibit updates to the plan as needed.

Task 2 Administrative Draft EOP Preparation

Upon agreement of the needed EOP updates as documented in the EOP crosswalk, Michael Baker will compile the information and required revisions into an administrative draft EOP Update. Michael Baker will provide an electronic screencheck administrative draft (MS Word) to the City for internal review, showing a clean word document and track changes demonstrating where EOP updates were made.

Michael Baker anticipates one round of review and comment from the City Project Management team. Comments and revisions from the City are anticipated to occur in redline/ strike-out and track changes.

Task 3 Final EOP Preparation

Michael Baker will compile all internal comments received on the administrative draft EOP and will incorporate changes into the document as necessary. The final EOP will be prepared for submittal and approval by internal City decision makers, as appropriate. Michael Baker will prepare the EOP Review Crosswalk for Local Government Agencies to accompany the electronic submittal to Cal EOS. The EOP will then be submitted to Cal OES for initial review. If comments are provided by Cal OES requiring plan revisions, Michael Baker will revise the EOP accordingly.

SCOPE #4 CAL FIRE – FIRE PREVENTION GRANT

The CAL FIRE grant highlights the multiple avenues required to plan, implement, and preserve native habitat while eliminating fuels that would contribute to wildfire potential. Michael Baker can provide all the required services in-house, through an integrated, multi-disciplinary approach. This integrated approach increases creativity and promotes long term sustainability, while ensuring that grant requirements are met.

Baseline conditions of the site will be defined early. Conditions such as biological resources and potential jurisdictional drainage features will be mapped. All files (GIS layers) will be provided to the City of their file. These plans will serve as the foundation for which vegetation will be removed and what resources should be noted during maintenance activities. Additionally, the City can ultimately utilize this information when they prepare the Restoration Plan.

Similar to the previous scopes above, our team's approach to public participation offers continuous opportunities for meaningful input and involvement/ownership throughout the life of the project-the goal to develop a consensus-based vision, local ownership, and to foster community awareness.

While conducting preconstruction surveys and any monitoring during vegetation removal, the Biological Monitor would remain alert for the presence of coastal California gnatcatcher, a federally-listed threatened species which could potentially occur within or near some of the project sites. If this or any other special-status species is detected, the Biological Monitor would coordinate with the City/ Contractor to notify the appropriate regulatory agencies and/or provide recommendations to avoid impacts to such species. We routinely lead, manage, and coordinate with maintenance contractors to ensure that project objectives are met while achieving environmental compliance. Michael Baker's natural resource specialists will work closely with the City and designated Contractor to define roles and responsibilities for project implementation. Our success

is based on weekly coordination with maintenance crews, where we provide guidance for invasive species removal and highlight any variables that may arise that may have not been projected in the original approach.

Adaptive management is key since the open space areas are dynamic, not just year to year, but season to season. Our qualitative assessments will incorporate the documentation needed to fulfill grant conditions. Should removal methods be ineffective during the first two years of the project, our Team will work with the Contractor to determine alternate methods by using test plots within the project site.

Task 1 Project Kickoff

Michael Baker will conduct a kick-off meeting/call with the City’s Project Management team to initiate work on the Fire Prevention Grant. The team will review the scope of work, anticipated project schedule, communications protocol, and deliverables; discuss staff expectations; and have an initial discussion of data needs and the community outreach approach. Schedules of removals can be determined based on the vegetation composition at each of the seven sites. Following this meeting, the Project Manager will begin working on the treatment plan schedule and tracking matrix (Task 2.1 below).

Task 2 Project Management

Task 2.1 Multi-Year Fuel Reduction Treatment Plan Schedule, Inspections, and Invoice Review

Working with the City, the Project Manager will develop a tracking table based on scope of work and anticipated timelines. The schedule will be relayed to the contractor, and removals will be timed to avoid nesting bird season when possible. Through coordination and oversight of the contractor, the project manager will complete progress reports, amend funding agreement, scope of work, budget or schedule, and prepare an adequate audit trail. Additionally, quarterly reports on emissions and progress reports will be submitted to CAL FIRE to fulfill grant requirements. The project manager will also prepare and file the Final Report to CAL FIRE, following review and approval of the City.

Task 2.2 Coordination on the EOP Update

Close coordination will occur with the Project Manager of Scope #3, EOP, previously detailed. The EOP will be incorporated into CAL FIRE documentation so grant requirements are met.

Task 2.3 Review of Restoration and Sustainability Plan and Evacuation Plan

Michael Baker has included time for our restoration ecologists and community planners to review the Restoration and Sustainability Plan and Evacuation Plan prepared by the City. Anticipated support includes review of draft and final documents, comments/response to comments, technical review and research, and assistance with graphics, where required. Our schedule shows coordination of the document throughout the entire task duration (this allows for various reviews along the process rather than only at the final draft).

Task 2.4 CAL FIRE Approval and Closeout of Grant

As part of the grant requirements, Michael Baker will work with the City to prepare a final accomplishment report for submittal to CAL FIRE within 30 days of the project completion. Utilizing our in-house air and Greenhouse Gas (GHG) Specialists, Michael Baker will provide the appropriate materials for completing program quantification methodology and use the current reporting templates provided by the CAL FIRE. Most importantly, our Project Management tasks includes time for significant coordination with OCFA and the City to ensure that all grant requirements are met.

Task 3 CEQA and Biological Compliance

Task 3.1 Notice of Exemption Preparation

Following direction outlined in Section E of the CAL FIRE grant, it is anticipated the project sites will fall under a Notice of Exemption (NOE) for CEQA. Filing of NOEs will occur for sites 1,3, 4, 5, 6, and 7, as site 2 has CEQA completed. Each site will be treated and filed as its own project, in the chance there are any delays for an individual site during the final approval process. Should this be the case, any approved sites can move forward with the removals and the Project Manager can update the proposed schedule with the contractor. In the event it is determined that there is a potential for a significant impact to occur under CEQA for one or more of the sites and that a Negative Declaration is required, Michael Baker will work with the City to reallocate funding within the grant budget. Should an Environmental Impact Report be required, Michael Baker can provide these services under a separate scope and fee.

Task 3.2 Baseline Documentation of Project Sites

Prior to the start of removal activities, Michael Baker will document existing site conditions in order to provide clear direction to the contractor. Documentation will include site photos, plant lists, and GPS data on native and sensitive species to avoid. Site boundaries and notes will be saved as shapefiles to be provided to the City and contractor. Additionally, for sites 1, 2, and 3, a jurisdictional delineation will be conducted to determine the presence/absence of state or federal waters. If present, regulatory agency coordination will take place under Task 3.3 outlined below.

Task 3.3 Regulatory Permitting

Should jurisdictional features be noted during the baseline surveys, Michael Baker will coordinate with California Department of Fish and Wildlife (CDFW) on behalf of the City. Michael Baker will prepare and process a notification submittal package for a CDFW Section 1602 Streambed Alteration Agreement (SAA) pursuant to the California Fish and Wildlife Code.

Task 3.4 ISHB Surveys

Michael Baker has provided ISHB surveys for OC Public Works as well as throughout OC Parks. Additionally, our strong relationships with the University of California has allowed us to utilize lab testing and experts to assist in

the surveys when required. During the biological surveys, Michael Baker will conduct ISHB surveys of each removal area to identify infested trees for the contractor.

Target ISHB trees species located within the removal sites will be evaluated for signs of infestation. Examples of potential ISHB sign include, but are not limited to, small bore holes, bark staining, and frass exudate. Any native tree found to have sign of ISHB is to be evaluated and ranked based on the standards utilized by UCANR for ISHB surveys (UCANR 2020a). Specifically, infestation levels on each tree observed to have sign would be categorized as low (<50 entry holes), moderate (50-<150 entry holes, no dieback), heavy (>150 entry holes, no dieback), and severe (>150 entry holes, dieback). General notes and summary categorization level for trees identified with ISHB infestation will be recorded.

As part of this effort, Michael Baker will work with OCFA for removals and coordination due to their current work in Chino Hills State Park. Following the surveys, a memo will be prepared to summarize the results of the ISHB field surveys and include GPS locations of the infested trees to be removed.

Task 3.5 Pre-Construction Surveys

Michael Baker will provide a qualified biologist (“Designated Biologist”) to conduct a general pre-construction survey throughout the removal areas where suitable habitat is present to support special-status wildlife. The pre-construction survey will focus on any special-status species that could occur in the area. The survey will be conducted at least three (3) days prior to vegetation removal occurring. If any special-status species are found and have the potential to be adversely affected by the project, Michael Baker will coordinate with the CDFW to determine appropriate avoidance and minimization measures to be implemented during construction.

Results of the pre-construction survey will be summarized in a short memorandum that includes a summary of the methods, site conditions, and results of the survey. Site photographs taken during the field survey and GIS figures will be included in the report to further enhance written text and visually identify specific biological information as it relates to the project site. This task includes time for GIS analysis to support the preparation of one (1) figure for each site.

Michael Baker’s qualified biologists will conduct one (1) nesting bird clearance survey at each site within seven (7) days prior to initiating any ground disturbing or vegetation removal activities during the nesting season (March 15 to September 15), followed by weekly surveys to ensure that birds do not nest in work areas or in vegetation to be removed. The project site shall be surveyed by walking meandering transects in nesting habitat and in areas up to 150 meters (500 feet) of the parcel, at the discretion of the surveyor (survey area). Methods to detect the presence of nesting birds shall include direct observation, aural detection, and signs of presence (i.e., scat, pellets,

white-wash, feathers, tracks, and prey remains). All trees, shrubs, and ground dwellings shall be searched for the possible presence of active bird nests.

Michael Baker will also record all bird species observed during the clearance survey and document behaviors that suggest breeding activity. Binoculars will be used to observe distant birds and their activity around potential nesting habitat. The location of any active nests or breeding behaviors will be recorded using a hand-held GPS unit, if found. This task does not include time for any protocol-level surveys.

Task 3.6 Weekly Inspections

Michael Baker will conduct periodic monitoring of the vegetation removal as needed to ensure that impacts to native habitats are minimized. The Biologist will have the authority to stop work if required (i.e. infested trees are not being properly removed and hauled off site). The Biologist will: (a) document all construction activities pertaining to biological resources while on-site; (b) provide a weekly monitoring report; (c) notify the City immediately if unauthorized impacts to biological resources occur; and (d) advise the contractor, as needed, to ensure effective and appropriate implementation of biological avoidance and minimization measures for specific site conditions. Following monitoring visits, Michael Baker will submit a weekly e-mail to the client, along with site photographs, summarizing all monitoring efforts performed during the week and any corrective measures that were implemented to maintain compliance with all regulatory permits, agreements, and authorizations.

Task 4 Community Engagement

Task 4.1 Educational Signage

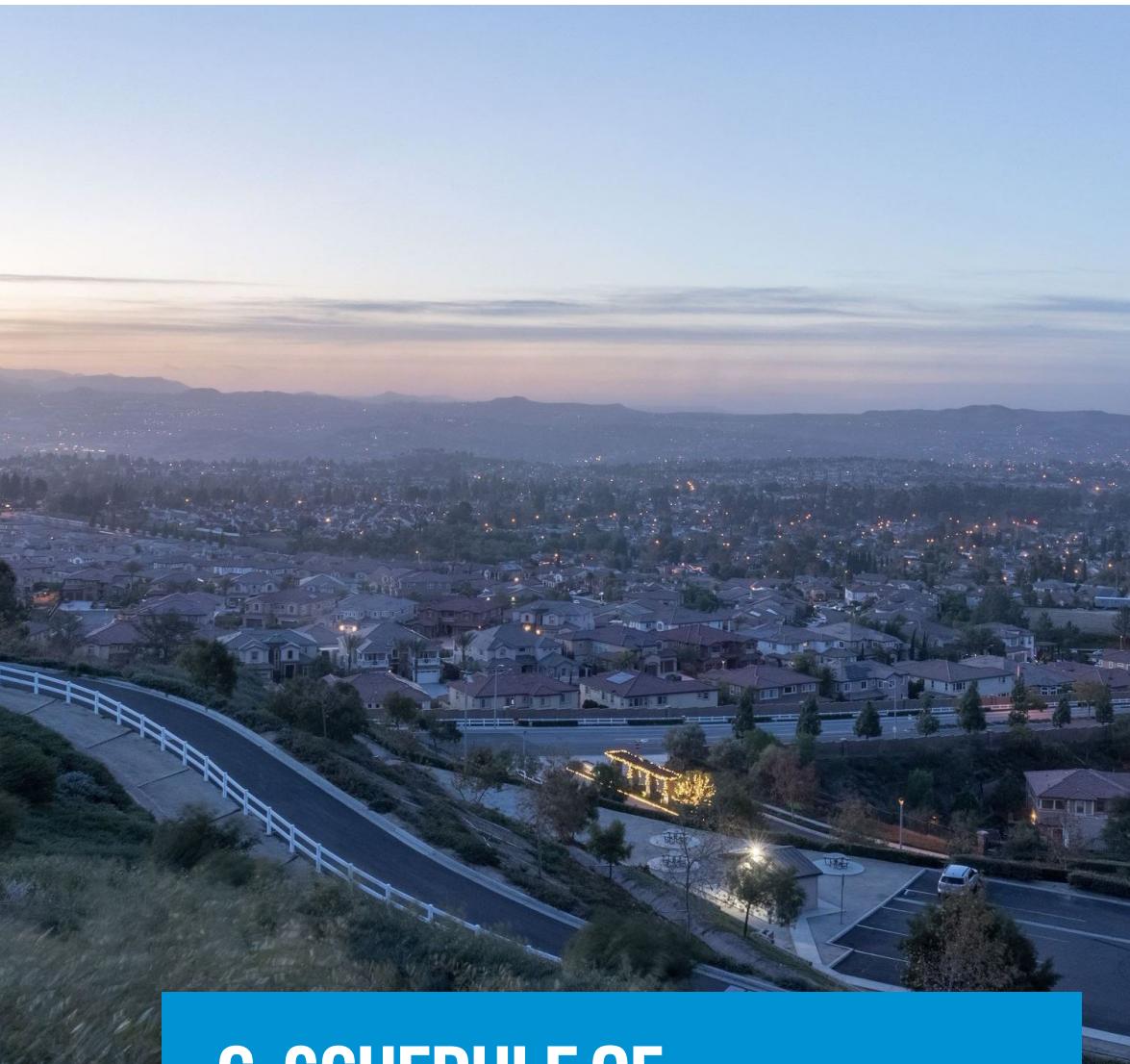
The Michael Baker team will create educational signage through collaboration with the City and OCFA to provide messaging of wildfire prevention activities.

TASK 4.2 Fire Prevention Educational Meetings

Michael Baker will work with OCFA and the City on an annual basis (for up to 3 years or 3 meetings) to educate residents on wildfire prevention through community meetings to engage residents on wildfire prevention. At minimum, topics will include the development of defensible space zones on their property, weed abatement, standards for safe use of backyard barbecue grills, use of fire-resistant plantings, and other relevant wildfire urban interface fire safety information. These meetings can be grouped with the other outreach meetings associated with Scopes 1-3, if desired by the City.

TASK 4.3 Fire Prevention Mailers

Michael Baker’s graphic design team will work with the City and OCFA to develop fire prevention mailers similar to the example provided in the RFP. The mailer will include methods for weed abatement and encourage regular weed abatement practices.



G. SCHEDULE OF COMPENSATION/FEEES



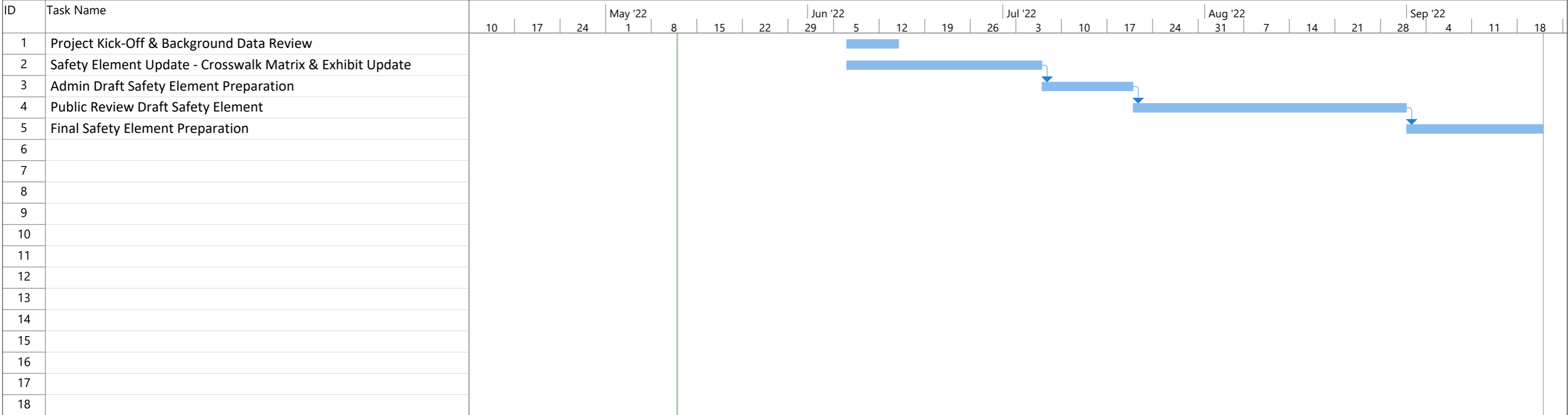
As requested in the RFP, the Compensation Payment Schedule has been provided as a separate file.



H. PROJECT SCHEDULE(S)



SCOPE #1 SCHEDULE
GENERAL PLAN-SAFETY ELEMENT



Project: Scope1_Safety_Elemen
Date: Thu 5/12/22

Task

SCOPE #2 SCHEDULE
LOCAL HAZARD MITIGATION PLAN

ID	Task Name	May	June		July		August		September		October		November		December		January		February		March		April	
		B	E	M	B	E	M	B	E	M	B	E	M	B	E	M	B	E	M	B	E	M		
1	Task 1.1: Project Kickoff and Background Data Review																							
2	Task 1.2 Hazard Mitigation Planning Committee Meeting 1																							
3	Task 1.2 Hazard Mitigation Planning Committee Meeting 2																							
4	Task 1.2 Hazard Mitigation Planning Committee Meeting 3																							
5	Task 1.2 Hazard Mitigation Planning Committee Meeting 4																							
6	Task 1.3 LHMP Community Outreach Online Community Survey																							
7	Task 1.3 LHMP Community Outreach Web Content/Social Media																							
8	Task 1.3 LHMP Community Outreach Community Workshop																							
9	Task 2.1 Hazard Identification and Profiles																							
10	Task 2.2 Hazard Mapping																							
11	Task 2.3 Vulnerability Assessment																							
12	Task 2.4 Capabilities Assessment																							
13	Task 3 Hazard Mitigation Strategy																							
14	Task 4.1 HMP Monitoring, Evaluating, Implementing and Updating																							
15	Task 4.2 Prepare Draft LHMP for HMPC Review																							
16	Task 4.3 Prepare Public Review Draft LHMP																							
17	Task 4.4 Prepare Plan Submittal for Cal OES/FEMA Review																							
18	Task 4.5 Obtain Conditional Approval Pending Adoption from FEMA* (tentative)																							
19	Task 4.6 Plan Adoption																							

Project: Scope2_LHMP_Schedu
Date: Thu 5/12/22

Manual Task

SCOPE #3 SCHEDULE
EMERGENCY OPERATIONS PLAN UPDATE

ID	Task Name	Duration	Start	Finish	1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			1st Quarter		
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Task 1 EOP Update - Crosswalk Matrix & Exhibits Upda	109 days	Mon 1/2/23	Thu 6/1/23	█														
2	Task 2 Admin Draft EOP Preparation	88 days	Thu 6/1/23	Mon 10/2/23				█											
3	Task 3 Final EOP Element	110 days	Mon 10/2/23	Fri 3/1/24							█								

Project: Scope3_EOP_Schedule
Date: Thu 5/12/22

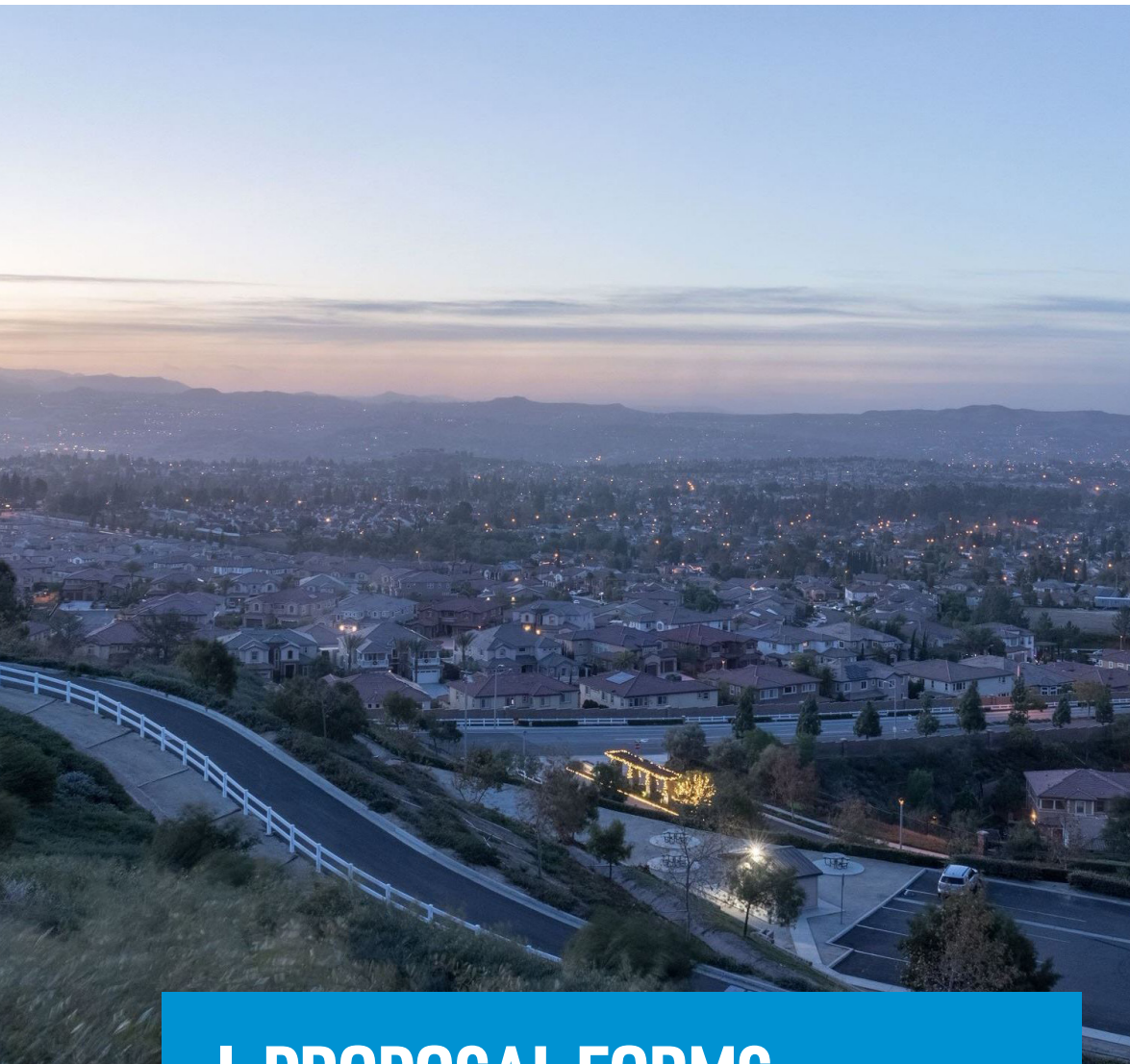
Manual Task █

SCOPE #4 SCHEDULE
CAL FIRE- FIRE PREVENTION GRANT

ID	Task Name	Duration	Start	Finish	2023				2024				2025				2026				
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	
1	Year 1 Activities	217 days?	Tue 6/7/22	Wed 4/5/23																	
2	Project Kick-Off	0 days	Tue 6/7/22	Tue 6/7/22	◆ 6/7																
3	Baseline Surveys	203 days	Tue 6/7/22	Thu 3/16/23																	
4	Existing Site Conditions Assessment	0.8 wks	Tue 6/7/22	Fri 6/10/22																	
5	Delineation of Jurisdictional Waters	3 wks	Mon 6/13/22	Fri 7/1/22																	
6	ISHB Tree Assessment	2 wks	Mon 7/4/22	Fri 7/15/22																	
7	Pre-Construction Surveys	61 days	Fri 9/16/22	Fri 12/9/22																	
8	Nesting Bird Surveys (if required)	21 days	Wed 2/15/23	Wed 3/15/23																	
9	CEQA Compliance	40 days	Tue 6/7/22	Mon 8/1/22																	
10	Preparation and Filing of NOEs	8 wks	Tue 6/7/22	Mon 8/1/22																	
11	Community Engagement/Education	21 days	Mon 8/8/22	Mon 9/5/22																	
12	Community Meeting #1 (EST)	0 days	Mon 8/8/22	Mon 8/8/22	◆ 8/8																
13	Educational Mailers (EST)	0 days	Mon 9/5/22	Mon 9/5/22	◆ 9/5																
14	Emergency Plans	469 days	Tue 6/7/22	Fri 3/22/24																	
15	Local Hazard Mitigation (no CEQA)	12.25 mons	Tue 6/7/22	Mon 5/15/23																	
16	Safety Element (possible exemption)	3.85 mons	Tue 6/7/22	Wed 9/21/22																	
17	Emergency Operations Plan	15.25 mons	Mon 1/2/23	Fri 3/1/24																	
18	Major Vegetation Clearance	60 days?	Mon 9/19/22	Fri 12/9/22																	
19	Phase 1 Major Vegetation Clearance	3 mons	Mon 9/19/22	Fri 12/9/22																	
20	(Active Goat Grazing)																				
21	Biological Monitoring	3 mons	Mon 9/19/22	Fri 12/9/22																	
22	Review of City Prepared Plans	479 days?	Tue 6/7/22	Fri 4/5/24																	
23	Review of Evacuation Plan (as needed)	23.2 mons	Tue 6/7/22	Fri 3/15/24																	
24	Review and Coordination of Restoration and Sustainability Plan (as needed)	23.95 mons	Tue 6/7/22	Fri 4/5/24																	
25	Year 2 Activities	262 days	Thu 3/16/23	Fri 3/15/24																	
26	Pre-Construction Surveys	106 days	Fri 9/15/23	Fri 2/9/24																	
27	Phase 2 Aggressive Vegetation Clearance	105 days	Mon 9/18/23	Fri 2/9/24																	
28	Biological Monitoring	105 days	Mon 9/18/23	Fri 2/9/24																	
29	Community Meeting #2 (EST)	0 days	Mon 8/14/23	Mon 8/14/23	◆ 8/14																
30	Year 3 Activities	260 days?	Mon 3/18/24	Fri 3/14/25																	
31	Phase 3 Vegetation Management	110 days	Mon 9/16/24	Fri 2/14/25																	
32	Biological Monitoring	110 days	Mon 9/16/24	Fri 2/14/25																	
33	Community Meeting #3 (EST)	0 days	Mon 8/12/24	Mon 8/12/24	◆ 8/12																
34	Educational Mailers (EST)	0 days	Mon 9/16/24	Mon 9/16/24	◆ 9/16																
35	Year 4 Activities	269 days	Mon 3/17/25	Thu 3/26/26																	

Project: Scope4_CalFire_Schedu
Date: Thu 5/12/22

Task		Project Summary		Manual Summary Rollup		External Tasks		Manual Progress
Split		Inactive Summary		Manual Summary		External Milestone	◆	
Milestone	◆	Manual Task		Start-only	[Deadline	↓	
Summary		Duration-only		Finish-only]	Progress		



I. PROPOSAL FORMS



City of Yorba Linda
Professional Consulting Services

NON-COLLUSION AFFIDAVIT

The undersigned represents and certifies that:

1. This Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation.
2. This Proposal is genuine and not collusive or sham.
3. The Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and has not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in sham proposal or to refrain from submitting to this RFP.
4. The Proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Yorba Linda or of anyone interested in the proposed contract.
5. Proposer affirms that all statements contained in the Proposal and related documents are true and correct.
6. Proposer has not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay any fee to any person, corporation, partnership, company, association, organization, RFP depository, or to any member or agent thereof to effectuate a collusive or sham proposal.
7. Proposer has not entered into any arrangement or agreement with any City of Yorba Linda public officer in connection with this proposal.
8. Proposer understands that collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct.

Executed this 21st day of April, 2022, at Santa Ana, California.


Signature of Authorized Representative

David Reel
Name of Authorized Representative

Vice President, West Regional Practice Lead - Planning
Title of Authorized Representative

City of Yorba Linda
Professional Consulting Services

**CERTIFICATION OF PROPOSAL
TO THE CITY OF YORBA LINDA**

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFP). By signing the Certification of Proposal and submitting a proposal to the City in response to this Request for Proposals, the Proposer hereby represents and certifies that:

- A) No elected or appointed official, officer, or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or for any work connected with this proposal; should any agreement be approved in connection with this Request for Proposals (“Agreement”) no elected or appointed official, officer, or employee of the City, during the term of his/her service with the City, shall have any direct or indirect financial interest in the Agreement, or obtain any present, anticipated, or future financial interest or other material benefit arising therefrom;
- B) No elected or appointed official, officer, or employee of the City shall have any financial interest, direct or indirect, in the Agreement nor shall any such official, officer, or employee participate in any decision relating to the Agreement which effects his/her personal financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of state law;
- C) The Proposer and its principals do not have now, nor shall it acquire any financial or business interest that would conflict with the performance of services under the Agreement;
- D) Proposer shall represent and certify that it does not and will not discriminate against any employee or applicant for employment because of race, religion, gender, color, national origin, sexual orientation, ancestry, material status, physical condition, pregnancy or pregnancy related conditions, political affiliation or opinion, age or medical condition;
- E) By submitting the response to this request, Proposer agrees, if selected, to furnish services to the City in accordance with this RFP;
- F) Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them;
- G) It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City;
- H) The proposal response includes all of the commentary, figures and data required by the Request for Proposal, dated March 28, 2022.
- I) The proposal shall be valid for 180 days from the due date of this RFP.

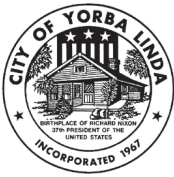
Name of Proposer: Michael Baker International, Inc.

By: David Reel
(Authorized Signature)

Type Name: David Reel

Title: Vice President, West Regional Practice Lead - Planning

Date: April 21, 2022



ADDENDUM RECEIPT CERTIFICATION

**REQUEST FOR PROPOSALS (RFP) FOR PROJECT MANAGEMENT,
GRANT MANAGEMENT AND CONSULTING SERVICES FOR
SAFETY MITIGATION EFFORTS**

Bidder acknowledges receipt of this Addendum and inclusion of its conditions in their proposal by signature below and attachment of this Addendum to their bid. **PROPOSALS NOT CONTAINING THIS CERTIFICATION WILL BE REJECTED.**

Addendum No. 1 Date: April 21, 2022

Received by: *Richard Beck* Date: March 20, 2022
(Signature)

Name: Richard Beck Title: Program Manager
(Print)

Proposer: *David Reel*
(Authorized Signature)

Name: David Reel Title: Vice President, West Regional
Practice Lead - Planning
(Print)



ADDENDUM RECEIPT CERTIFICATION

**REQUEST FOR PROPOSALS (RFP) FOR PROJECT MANAGEMENT,
GRANT MANAGEMENT AND CONSULTING SERVICES FOR
SAFETY MITIGATION EFFORTS**

Bidder acknowledges receipt of this Addendum and inclusion of its conditions in their proposal by signature below and attachment of this Addendum to their bid. **PROPOSALS NOT CONTAINING THIS CERTIFICATION WILL BE REJECTED.**

Addendum No. 2 Date: April 13, 2022

Received by: Richard Beck Date: April 13, 2022
(Signature)

Name: Richard Beck Title: Program Manager
(Print)

Proposer: David Reel
(Authorized Signature)

Name: David Reel Title: Vice President, West Regional
Practice Lead - Planning
(Print)



CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
08/30/2021

Holder Identifier :

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Central, Inc. Pittsburgh PA Office EQT Plaza ~ Suite 2700 625 Liberty Avenue Pittsburgh PA 15222-3110 USA	CONTACT NAME: PHONE (A/C. No. Ext): (866) 283-7122 FAX (A/C. No.): (800) 363-0105	
	E-MAIL ADDRESS:	
INSURED Michael Baker International, Inc 5 Hutton Centre Drive Suite 500 Santa Ana CA 92707 USA	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Zurich American Ins Co	16535
	INSURER B: Allied World Surplus Lines Insurance Co	24319
	INSURER C: American Guarantee & Liability Ins Co	26247
	INSURER D:	
	INSURER E:	

COVERAGES CERTIFICATE NUMBER: 570088964485 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **Limits shown are as requested**

INSR LTR	TYPE OF INSURANCE	ADDITIONAL INSURED	SUBROGATION WAIVED	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:			GLO419728100	08/30/2021	08/30/2022	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 SIR/Deductible \$250,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			BAP4197284-00	08/30/2021	08/30/2022	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) Deductible \$100,000
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10,000			AUC053258203	08/30/2021	08/30/2022	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			WC419728200 AOS WC419728500 WI	08/30/2021	08/30/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE-EA EMPLOYEE \$1,000,000 E.L. DISEASE-POLICY LIMIT \$1,000,000
B	E&O-PL-Primary			03124806 Claims Made SIR applies per policy terms & conditions	08/30/2021	08/30/2022	Per Claim \$5,000,000 Aggregate \$5,000,000 SIR/Deductible (2) \$200,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 Evidence of Coverage.

CERTIFICATE HOLDER Michael Baker International, Inc. 801 South Grand Avenue, Suite 250 Los Angeles CA 90017 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	--

Certificate No : 570088964485



City of Yorba Linda
Professional Consulting Services

**CONSULTANT’S ACKNOWLEDGMENT OF COMPLIANCE
WITH INSURANCE REQUIREMENTS FOR
AGREEMENT FOR PROFESSIONAL SERVICES**

Consultant agrees, acknowledges, understands and is fully aware of the insurance requirements as specified in **Section 5, Insurance Requirements** of the attached sample Agreement for Professional Services and hereby accepts all conditions and requirements as contained therein.

Consultant: Michael Baker International, Inc.
Name (Please Print or Type)

By:  Vice President, West Regional Practice Lead - Planning
Consultant’s Signature & Title

Date: April 21, 2022

City of Yorba Linda
Professional Consulting Services

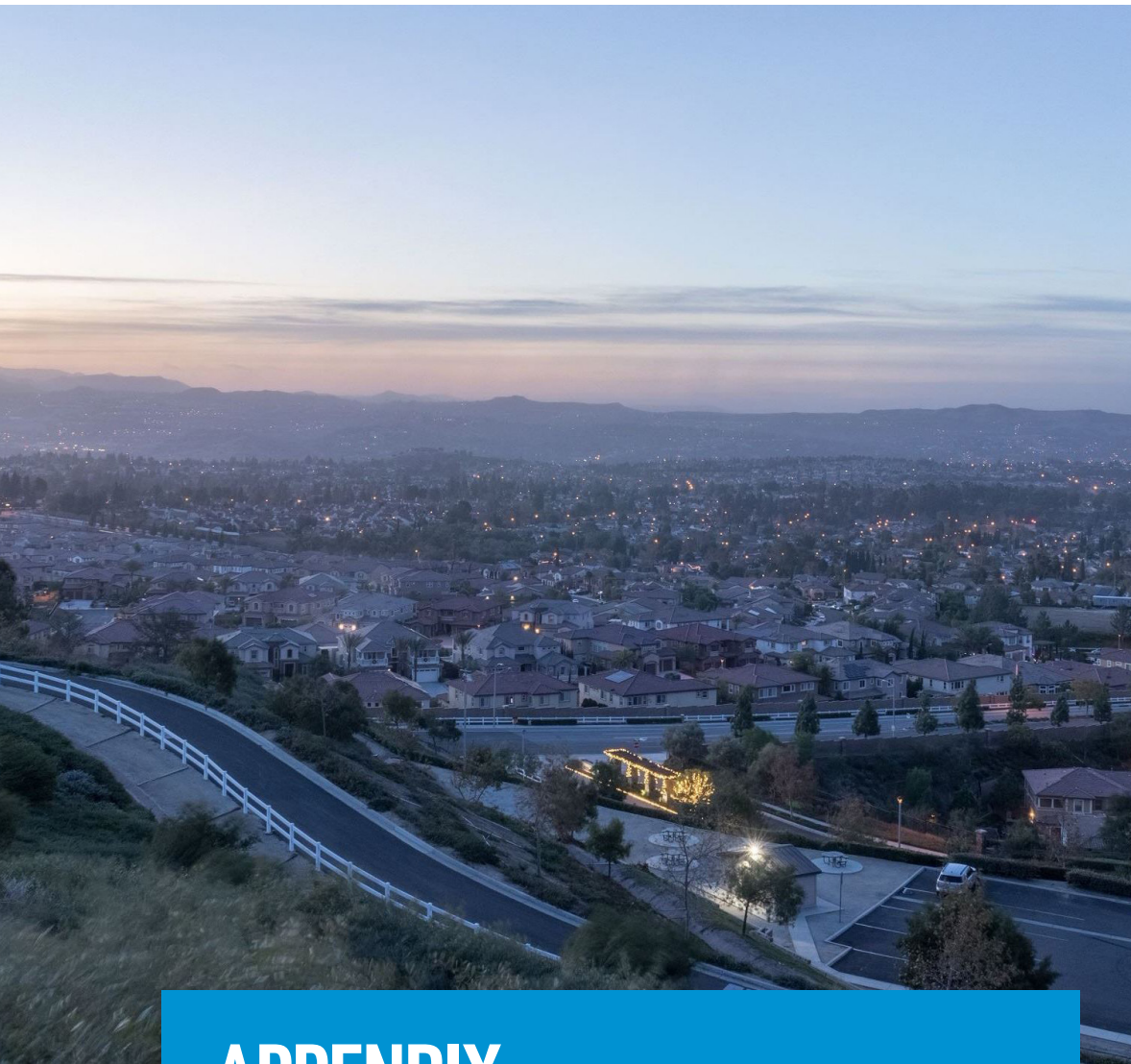
**CONSULTANT'S ACKNOWLEDGMENT OF RECEIPT AND
UNDERSTANDING OF THE PROJECT MANAGEMENT AND CONSULTING
SERVICES FOR SAFETY MITIGATION EFFORTS RFP**

Consultant acknowledges that he/she has received a copy of the Project Management and Consulting Services for Safety Mitigation Efforts RFP and confirms that he/she has reviewed and understands all conditions and requirements as contained herein. Consultant also acknowledges that the Proposal is consistent with the terms of the Project Management and Consulting Services for Safety Mitigation Efforts RFP.

Consultant: Michael Baker International, Inc.
David Reel, Vice President, West Regional Practice Lead - Planning
Name (Please Print or Type)

By: 
Consultant's Signature

Date: April 21, 2022



APPENDIX



SCOPE OF SERVICES

SCOPE # 1 - GENERAL PLAN - SAFETY ELEMENT - AUGUST 2022

As part of the General Plan Housing Element the Safety Element is required to be reviewed and updated as necessary to address the risk of fire for land classified as state responsibility areas and land classified as very high fire hazard severity zones. (Gov. Code, § 65302, subd. (g)(3).) The safety element is required to include:

- Fire hazard severity zone maps available from the Department of Forestry and Fire Protection.
- Any historical data on wildfires available from local agencies or a reference to where the data can be found.
- Information about wildfire hazard areas that may be available from the United States Geological Survey.
- The general location and distribution of existing and planned uses of land in very high fire hazard severity zones (VHFHSZs) and in state responsibility areas (SRAs), including structures, roads, utilities, and essential public facilities. The location and distribution of planned uses of land shall not require defensible space compliance measures required by state law or local ordinance to occur on publicly owned lands or open space designations of homeowner associations.
- The local, state, and federal agencies with responsibility for fire protection, including special districts and local offices of emergency services. (Gov. Code, § 65302, subd. (g)(3)(A).)

Based on that information, the safety element shall include goals, policies, and objectives that protect the community from the unreasonable risk of wildfire. (Gov. Code, § 65302, subd. (g)(3)(B).) To carry out those goals, policies, and objectives, feasible implementation measures shall be included in the safety element, which include but are not limited to:

- Avoiding or minimizing the wildfire hazards associated with new uses of land.
- Locating, when feasible, new essential public facilities outside of high fire risk areas, including, but not limited to, hospitals and health care facilities, emergency shelters, emergency command centers, and emergency communications facilities, or identifying construction methods or other methods to minimize damage if these facilities are located in the SRA or VHFHSZ.
- Designing adequate infrastructure if a new development is located in the SRA or VHFHSZ, including safe access for emergency response vehicles, visible street signs, and water supplies for structural fire suppression.
- Working cooperatively with public agencies with responsibility for fire protection. (Gov. Code, § 65302, subd. (g)(3)(C).)

The safety element shall also attach or reference any fire safety plans or other documents adopted by the city or county that fulfill the goals and objectives or contains the information required above. (Gov. Code, § 65302, subd. (g)(3)(D).) This might include Local Hazard Mitigation Plans, Unit Fire Plans, Community Wildfire Protection Plans, Emergency Operations Plan or other plans.

DELIVERABLE: Final Approved Safety Element Update

CITY RESPONSIBILITIES:

The City is providing the following reference documents:

- See **Exhibit A – General Plan Safety Element Assessment Board of Forestry and Fire Protection – June 2020** for Background Information Summary and Sample Safety Element Recommendations. The safety element must contain specific background information about fire hazards in each jurisdiction.
- Historical documents and backup data as needed.

SCOPE # 2 - LOCAL HAZARD MITIGATION PLAN - APRIL 2, 2023

One of the required General Plan elements is the Safety Element, which identifies potential natural and man-made safety risks (e.g., fire, flood, landslide, etc.) and describes the City's emergency and disaster preparedness programs. The Safety Element relies on information contained in the City's Local Hazard Mitigation Plan (LHMP) which identifies risks and vulnerabilities from natural disasters and develops long term strategies for protecting people and property from future hazardous events. FEMA approval of a City's LHMP establishes eligibility for participation in federal mitigation grant programs. Mitigation grant programs fund projects that lessen the impact of disasters. For jurisdictions which receive approval of a LHMP and who wish to continue their eligibility for mitigation grant programs, FEMA requires LHMP updates every five years. The City does not have an LHMP so this will be a new guiding document with final approval by FEMA.

The City has secured a FEMA Grant as administered by Cal OES for the preparation and adoption of a LHMP. The LHMP shall be created by the consultant for compliance with the following laws and requirements:

- a) The Disaster Mitigation Act of 2000 and Title 44 Code of Federal Regulations (CFR) §201.6, as outlined in FEMA's Local Mitigation Planning Handbook, published March 1, 2013.
- b) FEMA's Local Mitigation Plan Review Guide, published on October 1, 2011.
- c) Analysis of potential impacts and mitigation measures related to climate change for compliance with Senate Bill (SB) 379.

The consultant will create a LHMP. Duties include the following:

- a) Create a work schedule and a description for milestones to be completed in accordance with the CalOES quarterly report requirements.
- b) Provide quarterly updates to staff as to the status and completion date for the activity funded, including any problem or circumstances affecting the completion date, and scope of work completed.
- c) Gather and analyze necessary data.
- d) Facilitate a kick-off meeting with staff and working group meetings throughout the duration of the project.
- e) Plan and execute community outreach both on-line, and in person focus groups. The City will assist with out-reach efforts as appropriate.
- f) Risk assessment to include hazard identification and profiles, vulnerability assessment, and capabilities assessment.
- g) Develop Mitigation Strategy.
- h) Prepare Public Review Draft.
- i) Prepare Plan Submittal for CalOES/FEMA review.
- j) Obtain FEMA approval and Plan Adoption by FEMA. The Consultant is responsible for completing all revisions and addressing all comments issued by CalOES and FEMA until final approval is received from these agencies.
- k) Obtain City Council Adoption.
- l) Project Closeout

Project Cost:

Consultant must include a detailed project budget for the scope of services. The work associated with the LHMP will not exceed the grant award of \$112,500. The City also has a match of \$37,500 (in-kind agency personnel). The City may opt to perform all community outreach in-house to draw down the amount that the City is required to match.

DELIVERABLE: Final FEMA and Cal OES Approved Local Hazard Mitigation Plan

CITY RESPONSIBILITIES

- City will file required quarterly reports with CalOES as the authorized agent for compliance and submit the reimbursement request forms.

The City is providing the following reference documents:

- Documents and historical backup data as needed.

SCOPE #3 - EMERGENCY OPERATIONS PLAN UPDATE

(Included as a deliverable within Scope #4 of the CAL FIRE Grant with a due date of - March 2024)

The consultant will be responsible for gathering important information on city infrastructure, resources, and contracted services in order to ensure, upon completion, an updated, comprehensive emergency operations plan that adheres to the fundamentals of the National Incident Management System (NIMS) and incorporates the State's Standardized Emergency Management System (SEMS) while meeting the requirements of California Office of Emergency Services' (CalOES) planning guidance as outlined in the 2020 Emergency Plan Review Crosswalk.

The Emergency Operations Plan will assign responsibility to organizations and individuals for carrying out specific actions at projected times and places in an emergency that exceeds the capability or routine responsibility of any one agency, e.g. our contracted emergency service providers. It will set forth lines of authority, and organizational relationships, and shows how all actions will be coordinated. Additionally, it will identify personnel, equipment, facilities, supplies, and other resources available within the jurisdiction, or by agreement with other jurisdictions, for use during response and recovery operations.

The updated EOP will provide a basis for our jurisdiction's coordinated actions before, during and after a disaster. The primary purpose of the EOP shall be to outline our all-hazard approach to emergency operations to protect the safety, health, and welfare of its citizens.

SITUATION AND ASSUMPTIONS

A. Situation. Yorba Linda is exposed to many hazards, all of which have the potential to disrupt the community, cause damage, and create casualties. Possible natural hazards include wildland fires, earthquakes, floods, and storms. Other disaster situations could develop from hazardous materials releases, major transportation accidents, terrorism, and civil disorder. There is also the possibility of national security threats such as war or acts of terrorism.

The Threat and Vulnerability Assessment will be undertaken as part of our overall hazard mitigation plan process. The EOP shall compliment the Local Hazard Mitigation Plan (LHMP) being developed concurrently.

B. Assumptions. The City will commit all available resources to save lives, minimize injury to persons, and minimize damage to property. Yorba Linda will rely on contract agencies to provide tactical assets. It is assumed these contract resources will be available to the City in time of emergency or disaster and have their own emergency operations plans that include disaster response services to the City of Yorba Linda.

While it is likely that outside assistance would be available in most large-scale disaster situations affecting the City and while plans have been developed by our contracted emergency services providers to facilitate coordination of this assistance, it is necessary for the EOP to outline how the City will plan for, and to be prepared to carry out, disaster response and short-term recovery operations on an independent basis.

DELIVERABLE: Final Approved Emergency Operation Plans

CITY RESPONSIBILITIES

The City can provide the following reference documents:

- **Exhibit B - DRAFT Emergency Operations Plan (EOP)**
- Historical documents and backup data as needed.

SCOPE #4 - CAL FIRE - FIRE PREVENTION GRANT - (multi-year) March 2025

Coordinate and manage the City's "Yorba Linda Fuel Reduction Project". The City received a California Climate Investments Department of Forestry and Fire Protection Fire Prevention multi-year grant starting FY 2021-2022. The project performance period is to be completed by March 15, 2025.

The City of Yorba Linda proposes implementing an integrated fuel reduction project in seven strategic sites to reduce the risk of wildfire to State Responsibility Areas (SRA). The integrated project includes animal (i.e. goat sheep) grazing, hand crews, and mechanical abatement depending on slope, accessibility, and density. An estimated 78 acres based on surface area will be treated. This integrated vegetation removal task will be bid separately by the City. Once integrated fuel reduction work is awarded, it is expected that the consultant will manage the contract moving forward and inspect the sites to ensure that the fuel reduction contractor adheres to the timeline and treatment plan outlined in the grant scope of work.

CEQA compliance and biological habitat assessment is to be completed by the consultant. A copy of the certified CEQA document must be provided to STATE before any GRANT FUNDS are made available for any Project activity that could directly impact the environment (e.g. cutting, piling or burning bush, masticating, dozer work, etc.). CEQA compliance shall be completed within one (1) year from start date of the Agreement, **December 15, 2022**.

The grant also includes developing wildfire Evacuation Plans for at-risk areas and developing a Restoration and Sustainability Plan, both of these tasks will be done by in-house staff but reviewed by and managed by the consultant.

The grant also includes conducting wildfire prevention education and messaging and it is expected that the consultant would coordinate and work with our contracted fire department and grant partner, the Orange County Fire Authority (OCFA). The consultant will provide over-all grant management, including review of integrated vegetation removal contractors' invoices and tasks, along with coordinating with partners and stakeholders.

The consultant must be familiar with and comply with all Terms and Conditions of Grant Agreement. Including, but not limited to Monitoring and Reporting requirements, Special Provisions, General Provisions, Program Acknowledgment/Recognition (Publications). All funds expended through CCI grant are subject to emissions reporting and requirements. Consultant is expected to provide the appropriate materials for completing program quantification methodology and use the current reporting template provided by the STATE. The reporting shall be submitted to the STATE no less frequently than quarterly. In addition, STATE may request additional information in order to meet current CARB reporting requirements.

DELIVERABLES: The proposal should include a milestone schedule of the deliverables outlined in the Scope of the Grant. Included, but not limited to:

- CEQA Prep and Compliance
- Biologist Monitoring and Reporting
- Community Engagement
 - » Educational Signage at each site
 - » Fire Prevention Educational Meetings
 - » Fire Prevention Mailings
 - » Coordination with OCFA Community Outreach
- Multi-year Fuel Reduction Treatment Plan Schedule, Inspections, and Invoice Review
- Prep and completion of EOP (from Scope #3 above)
- Review and consultation of Restoration and Sustainability Plan
- CAL FIRE approval and closeout of multi-year grant

CITY RESPONSIBILITIES

- The integrated fuel reduction portion of the project includes animal grazing, hand crews, and mechanical abatement depending on slope, accessibility, and density. An estimated 78 acres based on surface area will be treated. This integrated vegetation/fuel removal task will be bid separately by the City. Once integrated fuel (vegetation) contract is awarded, it is expected that the consultant will manage the contract moving forward.
- The grant also includes developing wildfire Evacuation Plans for at-risk areas and developing a Restoration and Sustainability Plan, both of these tasks will be done by in-house staff but reviewed by and managed by the consultant.
- City to prepare and submit invoices to the State for reimbursement on a monthly basis.

The City is providing the following reference documents:

- Exhibit C - California Climate Investments Department of Forestry and Fire Protection Fire Prevention Grant Executed Agreement (and approved Revisions to Budget and Evacuation Area Map)
- Historical documents and backup data as needed.

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