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Request for Proposal (RFP)

For Technical Analyses: 1. Data Collection, 2. Wildfire and Probability Modeling, 3. Property Analysis, and 4. Feasibility Assessment.

Proposal Release Date	4/12/2023
Pre-Proposal Conference	4/19/2023 11:00 am PST
Last Date/Time for Questions	4/26/2023 12:00 pm PST
Proposals Due Date:	05/05/2023 2:00 pm PST
Submit Proposals to:	Mail, Delivery, or Email

Prepared for Project:

BRIC 2020 Paradise Recreation & Park District Innovative Wildfire Risk Reduction Buffers (Camp Fire)

FY20 Building Resilient Infrastructure and Communities Program
Grant #2020-001, Project #PJ0091, FIPS #007-91002



Paradise Recreation and Park District

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**PARADISE RECREATION AND PARK DISTRICT
NOTICE REQUESTING PROPOSALS**

Notice is hereby given that the Paradise Recreation and Park District (District) will receive proposals for **Technical Analyses for the Wildfire Risk Reduction Buffer** via email submission (in pdf format) may be made in lieu of mailing a hard copy of the proposal to:

Sarah Hoffman: bodclerk@paradisepspd.com

Electronic media (flash drive or CD/DVD) may be mailed to:

Paradise Recreation and Park District
ATTN: Sarah Hoffman, BOD Clerk
6626 Skyway
Paradise, CA 95969

Submittal Closing:	05/05/2023, 2:00 pm PST
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Proposals submitted after the closing date and time indicated will not be accepted. Faxed proposals will not be accepted. There will be no public bid opening.

I. INTRODUCTION

The Paradise Recreation and Park District (District) requests proposals for professional services from consultants to complete a wildfire hazard and risk analysis related to a project to assess the feasibility of a Wildfire Risk Reduction Buffer to protect communities within the footprint of the 2018 Camp Fire. The project is intended as a bridge between previous scoping work (see District Park Planning webpage: [Strategic Park Planning/Wildfire Risk Reduction Buffers](#)) and an anticipated implementation phase.

The project explores options to reduce risks and provide multiple benefits to the community. The project centers around the exploration, creation, and long-term maintenance of a risk-reduction buffer to protect communities. Strategically located, landscape-scale, nature-based, open-space buffers show promise in providing a cost-effective approach to mitigate the risk of catastrophic wildfire through community-scale protection and additional, multiple benefits.

A. Availability and Clarification of Documents

This RFP and any addendums may be posted on the District website at: www.ParadisePRPD.com

B. District Description

Since 1948, the Paradise Recreation and Park District has provided recreation facilities and programs to the residents of Paradise, the Butte Creek Canyon area, and the unincorporated communities of Magalia/Paradise Pines and Concow/Yankee Hill. Before the Camp Fire, the District served 50,000 people living in a 170-square mile area and today manages over 1,000 acres of park land and facilities.

C. Overall Project

The District received a planning grant from the Building Resilient Infrastructure in Communities (BRIC) program for its proposal, BRIC 2020 Paradise Recreation & Park District Innovative Wildfire Risk Reduction Buffers (Camp Fire). The District is a sub-applicant under the State of California Office of Emergency Services (CALOES). Federal Emergency Management Administration (FEMA's) provides funding for the overall program. The BRIC funding contributes \$203,000 for all tasks under the project, only a portion will be available for the RFP effort below.

An overview and context for this RFP is provided in Appendix A. As a complex project that requires an integrated team to complete its varied tasks and provide actionable results to protect the community, communication and coordination will be critical, and the successful Respondent will participate with a Technical Advisory Committee (TAC) and coordinate feedback from a separate team developing land management and economic analyses.

The overall project must be completed by April 13, 2024; however, tasks that support a BRIC application for implementation funding must be completed by November 30, 2023.

D. Project Geographic Area

The Project focuses within the District's boundaries, centering around the footprint of the 2018 Camp Fire and including the foothill communities of Paradise and Magalia. We recognize that wildfire has implications beyond our jurisdictional boundaries and the Respondent should identify important lands and efforts beyond those boundaries. The Project, which has potential statewide (and beyond) implications, may extend to a regional scope. The project area also encompasses portions of the Feather River Canyon, Pulga, Concow, Yankee Hill, and Butte Creek Canyon, where successful risk-reduction measures will also reduce catastrophic fire risks to nearby communities, including Oroville, Chico, Cohasset, and Forest Ranch.

The project places a special focus on vulnerable fire-prone high risk (steep slopes, high fuels, and strong winds), high-density areas near the Wildland Urban Interface (WUI), where catastrophic fire continues to threaten communities and infrastructure. While the focus is on communities within District boundaries, we acknowledge that the solutions for these communities may extend from jurisdictional boundaries.

II. Scope of Work Associated with RFP

This section describes the services and deliverables anticipated for the wildfire hazard and risk analysis. Consultants are encouraged to expand upon or reorganize the following tasks provided any proposed changes serve the primary goals of identifying and prioritizing lands for the buffer system. Respondents should anticipate a collaborative, iterative approach with District staff and other consultants in preparing reports, with at least two reviews prior to a final draft. Work will also be reviewed by a TAC of local fire and land use professionals and other individuals knowledgeable about specific wildfire hazards and risks, winds, vegetation, and topography within the District.

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Respondents to this RFP will focus on tasks under **Overall Project Task 3 - Technical Analyses** (see Appendix A):

- 3.1. Data Collection.
- 3.2. Wildfire and Probability Modeling
- 3.3. Property Analysis
- 3.4. Feasibility Assessment

The Respondent will primarily focus on the tasks above; however, there are other aspects that will be completed by other parties that will need to be considered (see overall project). Note that the task numbers above are provided to allow the Respondent to reference the District's overall project. While invoices should include cross-reference to the overall project task number (to simplify project management and reimbursement), the Respondent is encouraged to develop a task and number structure that allows for a logical outline of subtasks.

The following elements and information may aid respondents in creating a responsive RFP.

A. Wildfire Hazard and Risk Modeling.

- As noted, earlier work was limited to assessing the wildfire risk reduction potential of buffer scenarios from a Camp Fire-like event (a Jarbo Gap wind-driven event). The consultant team should expect to review and refine the analysis, using and expanding upon the report's methodology or, in consultation with the District, by employing another wildfire modeling approach to identify and prioritize lands and/or management efforts that will prescribe the best approach to reduce risks to communities within the District under reasonably anticipated climatic conditions.
- The Respondent should adopt the convention of the geographical buffers noted in Strategic Park Planning Reports noted earlier.
- There are several modeling approaches to wildfire hazard and threat assessment; at a minimum, we seek an approach that accounts for varied fuel in the area (including consideration for both wildland vegetation and structures), and topographic and wind conditions that can drive wildfire into developed areas.
- The goal is to identify the "fire pathways" into communities and the probability of occurrence for catastrophic wildfire by either identifying significant events or pathways under weather scenarios beyond a Camp Fire-like event or by ruling out geographic buffer locations based on improbable weather events.
- Respondent will work with the District and a Technical Advisory Committee to select and employ a wildfire modeling approach to identify the most strategic lands (parcels) for protection, provide acreage estimates, and describe land management prescriptions (or incompatible uses) to reduce fire risks on developed lands or provide optimal community scale protection.
- Refine fire models to evaluate multiple ignition and land management and ownership scenarios.

B. Prioritize Parcels for Management.

- Due to topography and vegetation, some developed areas within the District are more vulnerable to entry by wildfire than others. We anticipate that the modeling proposed for this effort will demonstrate that certain parcels provide greater risk reduction to adjacent development than others. Prioritizing parcels will help guide any future implementation.
- The wildfire and risk modeling must provide the overall contours of the buffer system and provide a rationale, based on modeling and on-the-ground knowledge, for the identification of those parcels which will, if managed, provide the maximum amount of protection for developed areas.
- Paradise and surrounding communities decimated by the Camp Fire are slowly rebuilding; many thousands of formerly occupied parcels remain empty, while others are being rebuilt. An important consideration for the modeling effort is to define baseline conditions and a reasonable prediction of future development, and protective land management practices on lands with rebuilt homes.
- Identify innovative open space and nature-based management practices. Conduct a property analysis for land most suitable and cost effective for risk reduction.

C. Feasibility Assessment

- The project requires a synthesis document to inform feasibility – including analysis of scenarios costs, constraints, public acceptance, environmental compliance, effectiveness, and identify best option to meet multiple bottom line (social, environmental, and financial) criteria. This document must be interdisciplinary. While another Consultant may be able to complete this product, much of the feasibility assessment depends on wildfire modeling and parcel identification and the District would like to entertain the Respondent's approach to this document.

D. Public Outreach

- Public outreach throughout the development of the Plan is critical to its success. The District anticipates the following efforts:
 - At least three in-person public meetings to (1) introduce the consultant team and describe the modeling effort; (2) provide a mid-term update to wildfire modeling progress; and (3) provide results and a summary of the Phase I effort.
 - Respondents should anticipate two meetings with the Technical Advisory Committee (TAC) for focused input; the first to explain their analytic approach and the second to provide results of the modeling. These meetings are intended to allow the TAC opportunities to comment on the modeling effort and its initial conclusions. Consultants should provide any relevant written materials and a visual presentation via PowerPoint or other appropriate means.
 - The District can host a project website and Story Map that contains up-to-

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date information. The Respondent will need to provide products that are publicly available as the project proceeds.

- Working with the District, Respondent will develop and provide maps, tables, handouts, and other visual aids (posters) to explain the purpose and status of the wildfire hazard and risk analysis at three public meetings.
- Respondents should expect to present a summary of their analytic process and results to a District Board of Director's meeting and assist staff in responding to technical questions from the Board and public. The meeting will be for the Board to formally review and accept final reports, data and conclusions and hear public comment regarding the identification and prioritizing of buffer locations.

E. Deliverables

As necessary, District staff will collaborate with the Consultant to establish a final list of tasks and deliverables to be included in the Scope of Work between the consultant and the District. Respondent should consider the following potential deliverables:

- Reports:
 - Modeling approach and results: a report describing the modeling approach, and a summary of results including maps, tables and a narrative describing the buffer locations, vegetation characteristics and topography, and proximity to developed areas.
 - Priority Parcels: summary report including maps, vegetation and topographic conditions, and proximity to developed areas, and a narrative discussion of the prioritization rationale.
 - Feasibility Assessment: This synthesis document is essentially an Executive Summary of the whole project and will inform feasibility – including analysis of scenarios costs, constraints, public outreach and feedback, environmental compliance, effectiveness, and identify best option to meet multiple bottom line (social, environmental, and financial) criteria.
- Data layers - Relevant data for the analysis (GIS data shall be in common electronic formats).
- Maps (paper and digital formats, such as baseline and future development; wildfire hazard and risk maps).
- GIS-based tool (with accompanying model explaining how tool works) to prioritize parcels for management.
- Website Content: Story Maps, maps, tables, graphics (in paper and digital formats) used in presentations; summary notes of questions asked and responses (to be posted by the District at the project website).

II. PROPOSAL SUBMITTAL

A. Pre-Proposal Meeting

An online pre-proposal meeting to present the project to interested consultants and answer questions will be held via Zoom (see date on cover page). All applicants are requested to email their contact information to Sarah Hoffman at shoffman@paradisepd.com 24 hours before the meeting, and a meeting invitation will be provided. The meeting will be recorded and posted at the District's project website. **Question-and-Answers will be disseminated by end of business on April 28, 2023.**

B. Proposal Preparation

Your proposal should highlight the experience, qualifications, and competency of your firm and staff assigned to this project. The proposal should specify your approach to satisfying the tasks referenced above.

The proposal should include:

1. Title Page showing the RFP subject and project name; the firm's name; the name, address, and telephone number of the contact person; and the date of the proposal.
2. Signed Transmittal Letter briefly stating the firm's understanding of the work to be done; the commitment to perform the work within an acceptable time period; and the name of the person authorized to represent the firm, title, address, and telephone number.
3. Cost information should be submitted separately as indicated in the **Cost Proposal** instructions.
4. Your proposal should provide a straightforward, concise description of your firm's capabilities to satisfy the requirements of this RFP. While additional information may be presented, the following subjects must be included. They represent the criteria against which the proposal will be evaluated.
5. Proposals shall address the following:
 - A. **Project Understanding and Approach** - Provide a concise description of your understanding of and approach to the project. **Scope of Services** – Provide a proposed work plan, staffing, and staff hours to perform the tasks identified in this RFP. Describe approaches to resolving anticipated problems and any assistance that may be requested from the District.
 - B. **Qualifications of Personnel and Partners** – Identify principal supervisory, management, and technical staff, roles, responsibilities, and experience related to the project tasks, including potential partners and their staff who may be assigned to this project. Please include resumes indicating specialized training, professional certifications, and licenses, with information regarding government-sponsored project experience, relevant professional education, and membership in professional organizations pertinent to the performance of this project. Indicate how the consistent assignment of staff over the term of the agreement will be assured.

- C. **Experience and Resources** – Describe the resources that can be brought to bear on the project. The firm may provide a description of the organizational qualifications, relevant experience, and examples of up to 3 similar reports or internet links to writing samples. The proposal should include the size of the firm and the location of the office from which the work on this engagement is to be performed. Indicate the number and nature of staff to be employed in this engagement.
- D. **Past Performance/References** – The proposal shall include contact information for 3 governmental references and 3 projects like the work described in this RFP. California Public Agency experience is desirable. Briefly indicate the scope of work, date, engagement partners, total hours, and the name and telephone number of the principal client contact. The District reserves the right to contact any or all the listed references regarding services performed by your firm.
 - **Project Schedule** – Respondent will provide a schedule of proposed work and submittals to complete the project.
- E. **Project Cost** – Respondent will provide a cost breakdown of budget and a cost schedule (billing rates) for all charges by task (such as wages and equipment).

III. SELECTION AND SELECTION PROCESS

A. Evaluation Criteria

The following weighting and points will be assigned to this Request for Proposal for evaluation purposes:

Criteria	Description	Max Points
Completeness and Quality of Proposal	Ability of the proposer to comply with all instructions in the RFP. Proposal is professionally presented and tailored to meet District needs with no evident deficiencies.	5
Project Understanding and Approach	Proposal demonstrates understanding of the project, objectives, and deliverables.	10
Scope of Services	The proposal will detail the tasks and scope to complete the project. Work plan outlines how each stage will be completed in a logical fashion and how it may integrate with information from task partners or other members of the project team.	25
Qualifications of Personnel and Partners	Respondent and team members to be assigned to the project have relevant knowledge, experience, and qualifications with demonstrated experience working with municipal agencies on similar types of projects. Resumes of key staff and recent, relevant references provided.	10
Experience and Resources	Respondent has sufficient existing resources, capacity, and expertise to complete the task and has experience with similar scale projects and complexity. Respondent demonstrates familiarity in the project area including previous work	10

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Criteria	Description	Max Points
Past Performance/References	conducted in or near the District boundaries. The District encourages the development of multiple organizational partners, but Respondent should demonstrate the mechanism for smooth cooperation. Respondent must be able to demonstrate favorable Past Performance / References with comparable governmental entities and projects.	5
Project Schedule	Proposal includes a detailed project schedule with milestones and associated deliverables that match project scope.	10
Project Cost	Proposed project costs and fee schedules include a detailed cost breakdown and estimates for each stage and type of service to be provided, and a proposed strategy for containing costs while still meeting objectives. Scoring will consider competitive cost estimates and value-added features for set-budget projects. District will view favorably proposals that may be able to leverage outside resources to the work product.	25
Total		100

Issuance of this RFP and receipt of proposals does not commit the District to award a contract. The District expressly reserves the right to postpone proposal opening for its own convenience, to accept or reject any and/or all proposals received in response to this RFP, to negotiate with more than one respondent concurrently, or to cancel all or part of this proposal.

The District further reserves the right to negotiate material aspects of proposals received, including costs, services, and scheduling, when determined to be in the best overall interest of the District.

District will confirm receipt of submitted on-time proposals. The selection committee will review, score, and make recommendations. The process will be subject to District procurement policies for professional services.

B. Proposal Reviews, Interviews and Selection

District staff and partners will review proposals and conduct interviews. Based on the Evaluation Criteria above and the District’s judgement, consultants will be selected for an in-person interview. Please note that the District is open to suggestions on how the Scope of Services may be improved provided modifications will serve to ensure the efficient and successful completion of the wildfire hazard and risk analysis. With the interview, we look forward to an open discussion about the consultant’s qualifications and the proposed approach to the Project.

IV. CONTRACT TERM AND CONDITIONS

Respondents are responsible for becoming familiar with all instructions, terms, conditions, and contract documents governing this Request for Proposal, including the District’s standard Consultant Services Agreement, a copy of which is available upon request.

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Submission of a proposal will be considered specific evidence of having performed the above. Successful respondent shall be required to sign the District's standard Consultant Services Agreement prior to commencement of work.

A. Term

The term of this contract shall begin May 15, 2023, and will expire on December 31, 2024, with the option to extend the contract for one (1) year upon written amendment.

B. Acceptance and Payment

The successful Respondent's, or Consultant invoice(s) shall include reference to the project number issued for the services, and be accompanied by detailed supporting documentation, to include information on services rendered. District shall pay the consultant's properly executed invoice, subject to approval by the Project Manager, within thirty (30) days following receipt of the invoice. Payment will be withheld for any services which do not meet or exceed District requirements or have proven unacceptable until such services are corrected, resubmitted, and accepted by the District.

C. Federal, State, and Local Laws

The Consultant shall comply with all applicable federal, state, and local laws, rules, and regulations.

D. Ownership of Work Product

All reports, studies, information, data, forms, designs, plans, procedures, systems and any other materials or properties produced for this project shall be the sole and exclusive property of the District. No such materials or properties produced, in whole or in part, shall be subject to private use, copyrights, or patent rights by respondent without the express written consent of the District.

V. APPENDICES

A. Appendix A - BRIC Project Approach

1. Introduction

The following provides the Respondent with background for the overall project and effort. This may help Respondent develop a responsive proposal that integrates with the other components of the project. Additional information may be viewed with the grant proposal Scope of Work (SOW) and Schedule.

The most destructive wildfire in California's history, the 2018 Camp Fire killed 85 people, destroyed over 14,000 homes, and displaced nearly 50,000 people. In less than 2 hours after ignition, the "ember blizzard" spotted fires 2-3 miles away and the fire leaped 10 miles to the doorstep of Paradise. Flammable structures and poorly maintained areas essentially served as fuses and carried flames throughout communities. Narrow roads with poor connections and burning debris blocked egress for evacuating residents and provided no access for responders.

After the fire, the area is susceptible to increased risks of floods, landslides, infrastructure damage, loss of institutional knowledge, and ironically, increased risk of wildfire.

Like many areas of the west, Paradise is in a fire-prone area – one that has burned repeatedly over the last century, and that will inevitably burn again, especially with changes fueled by climate change.

In the aftermath of the Camp Fire, residents and public servants have come together to rethink individual and community needs in the context of recovery and redevelopment. The paradigm shifting event uncovered numerous inadequacies regarding road connectivity, communication, land, and fuels management, building codes and code enforcement, land-use planning, poverty, and many other issues. Typically, after fires, the recommended solutions restate the need to adopt more rigorous building codes or implement defensible space around homes. Yet, given the scale of this catastrophe (and other recent events), business as usual is not sufficient.

We are awakened to the fact that we must examine actions and risks on a landscape scale and explore a new way of doing business for us to successfully address wildfires in the future. Rebuilding in high-risk areas not only puts that resident at risk but threatens the entire community and requires a rethinking of approaches to provide landscape level defensible space to protect communities.

Thoughtful consideration and integration of actions will enable the community to confidently rebuild in a more resilient way such that the community can serve as a positive model to other rural areas in high fire risk areas. Among these approaches are community-scale buffers at the Wildland Urban Interface (WUI), a series of greenbelts that would provide defensible space for the entire community.

Accordingly, this project focuses on a research-supported, proactive investment in community resilience and cultivates the local support required to execute an implementation project, scoping and refining scenarios for community-scale, nature-based risk-reduction buffers and a network of Resiliency Parks for the communities of Paradise, Magalia, Butte Creek Canyon, and Concow.

2. Overall Project

The principal benefit of this project is the reduction of wildfire risk through the creation of a community-scale wildfire buffer. This nature-based solution will provide multiple benefits and enable the community to contend with a wide variety of known and as yet unforeseen hazards. For example, the buffers may allow for opportunities to connect roads (allowing for improved evacuation, and public and emergency access), and as regained open space may help attenuate the impact of storm events (delayed run-off to streams and reduced landslide impacts).

The project builds on foundational steps to model community- and landscape-scale open-space measures to mitigate the risk of catastrophic wildfire in our communities (please see [Strategic Park Planning/Wildfire Risk Reduction Buffers](#)). The ultimate project goal is to reduce the risk of catastrophic wildfire, particularly another disaster of the same scale as the 2018 Camp Fire. This project serves as the information and capacity bridge from the preliminary studies to an implementation project to establish and create buffer resiliency parks based on the best available science.

The primary mitigation activity would be the creation and long-term maintenance of risk-reduction buffers integrated with a comprehensive network of “Resilience Parks.” The establishment of these buffers and resilience parks entails:

- (a) strategic acquisition – in fee or by easement – of vacant parcels near or at the Town boundary;
- (b) wildfire risk-reduction land management practices, including the removal or reduction of flammable structures and vegetation;
- (c) vegetation and soil management in perpetuity to promote risk reduction and wildfire resilience; and
- (d) coordination and collaboration with neighboring public and private landowners on community-scale risk reduction. The mitigation action and long-term maintenance will be paid for through a mix of public and private funding, including, ideally, FEMA funding.

This project seeks to advance a nature-based, adaptive approach that provides wildfire risk reduction and multiple other benefits to people and property. As described in more detail below, we propose to use this project to explore and refine the feasibility, community engagement, benefits, costs, and technical/design aspects of creating a strategically located, protective buffer to address wildfire threats. These Resilience Parks will provide community-scale protection, together with numerous other environmental benefits. We will also develop incentives for risk-reduction activities on neighboring properties, that may be carried out by the public and private partners acting cooperatively, in order to

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minimize the possibility that nearby land-uses undermine the effectiveness of Resilience Parks.

The Resilience Parks will be located on and around properties that suffered catastrophic damage during the Camp Fire. Acquisition of these properties will also prevent the rebuilding of structures and re-introduction of risk to human lives in these areas. These high-risk properties threaten the remainder of the community because in the absence of property management, these steep, upwind areas with poor access are highly flammable and threaten to both transmit flames and divert emergency resources from the rest of the Town. Even with modern WUI building codes, these high-risk properties increase the threat and risk to people and infrastructure within the entire community.

This project scoping effort will refine and build on the scientific framework developed through an innovative pilot study with The Nature Conservancy. The “Paradise Nature-Based Fire Resilience Project: Final Report (completed by the Conservation Biology Institute), demonstrated how burned parcels could be prioritized for protection and management providing measurable ignition risk reduction and other services. We anticipate the refinement of that work and benefits of Resilience Parks at the community level and **will result in a complete project application for a future BRIC or HMGP funding opportunity.**

3. Summary of Overall Project Deliverables

The District provides the scoping for the entire project below. This scoping project accomplishes the following tasks to set for a successful BRIC/HMGP application, and ultimately fund implementation of the proposed mitigation actions:

Task 1 - Procurement

1. Review and follow proper procurement methods to secure agreement/contracts.

Task 2 - Project Management and Startup

1. Manage project obligations and reporting; execute agreements.
2. Assemble the core team of project partners to complete and Technical Advisory Committee (TAC) members to vet modeling, feasibility, benefit-cost analysis, outreach, and other project tasks. TAC will meet periodically throughout the life of the project.

Task 3 - Technical Analyses

1. **Data Collection:** Compile data to support refined modeling, cost estimation, environmental benefits analysis, and a Benefit-Cost Analysis (BCA). Assemble baseline Geographic Information System (GIS) layers.
2. **Wildfire and Probability Modeling:** Refine existing fire models to evaluate multiple ignition scenarios (including a Camp Fire-like events and other more frequent, lower intensity events) to compare existing conditions to other land management (and ownership) scenarios to identify viable open space and

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nature-based management practices. Modeling approach will identify fire pathways into the community and identify the ones with the highest probability of catastrophic fire. This information will provide the most strategically important parcels for investment into the potential wildfire risk reduction buffer/resiliency parks.

3. **Property Analysis:** Analyze ownership and acreage of the most strategic and cost-effective parcels most suitable for risk reduction or interventions; identify best land management practices; and develop a package (or menu) of land ownership and incentive options (for example, consider fee title acquisition vs easements or other alternatives) to maximize the impact of actions and maintain risk reduction over time. Discuss implementation capacity for options recommended.
4. **Feasibility Assessment:** A synthesis summary document to inform feasibility – including analysis of scenarios costs, constraints, public acceptance, environmental compliance, effectiveness, and identify best option to meet multiple bottom line (public safety, social, environmental, and financial) criteria.

Develop several scenarios for innovative open space management practices and develop long-term stewardship plans that maximize wildfire risk reduction and explore incentives and land ownership/interest options to maximize the performance of these mitigation measures. To develop a suite of feasible alternatives for the implementation project; we anticipate, the evaluation of at least the following scenarios:

- a. No action alternative
 - b. Buffers around the community near the Wildland Urban Interface for a) a Camp Fire like scenario and b) other more frequent scenarios (defined by weather, slope, and/or fuel-driven wildfire events)
 - c. The creation of resiliency parks scattered throughout the community (for staging and safer shelter-in-place options),
 - d. Multiple management alternatives on each of the above scenarios to determine the management scheme that maximizes benefits.
 - e. Management alternatives on public lands and commercial lands that are not part of an acquisition scenario.
5. **Third Party Review and Guidance:** Convene and coordinate an interdisciplinary Technical Advisory Committee (TAC) to vet project deliverables and document risk reduction from managed greenspaces. TAC may include local, governmental, business, educational, conservation/land management, scientific, and fire/disaster response sectors to better document cross-sectoral knowledge of wildfire risk reduction afforded by managed greenspaces. Conduct coordination and information transfer with partners in other fire damaged areas (especially Ventura and Santa Rosa Counties) to further our knowledge and ensure that we are utilizing the best available knowledge base.

Task 4 - Future Grant Application and Benefit Cost Analysis (BCA)

1. **Grant Application:** A key deliverable of this effort will be a completed Application for Hazard Mitigation Assistance (HMA) grant programs (BRIC, HMGP, etc.) and to cultivate other non-Federal funding opportunities.
2. **Benefit Cost Analysis (BCA):** Develop a refined BCA based on more detailed data, refined modeling and cost estimation and environmental benefits. BCA will inform future actions and grant application.

Task 5 - Action/Implementation Plan

1. **Implementation Plan:** Develop a detailed blueprint for implementing Land Management Options and Program Blueprint.
2. **Land Management Plans:** Complete a management plan for Resilience Parks within coherent geographical areas or vegetation communities, which will allow for the application of uniform management practices for future site-specific unit plans. Complete best practices management unit plans for buffer areas and Resilience Park units which will allow for the application of uniform approaches to the development of management, stewardship, and restoration options for site-specific unit plans to maximize wildfire risk reduction. Identify desirable successional endpoints.

Develop a long-term financial analysis and identify actions that further goals and provide income streams. Initiate surveys and work to support environmental compliance on identified properties. Using Stewardship minded TAC members, compile region-specific best management practices (park and trail management, agricultural land use management, other management alternatives) for long-term ecologically sound management approaches. Develop restoration plans and long-term land management approach, with associated costs.

3. **Real Estate Transaction Plan:** Develop a menu of viable real estate options (fee title, easements, and other options) and outline the required capacity and transaction strategy to execute the future project. Cultivate partnership agreements and explore other incentives with neighboring public and private landowners to ensure that neighboring land management practices complement risk-reduction performances.

Task 6 - Outreach and Education

1. **Community Engagement Plan:** Prepare a Plan to outline communication and develop mechanisms with local agencies and citizens. Develop an approach to outreach that optimizes the project team's impact. Continue building support for the Resilience Parks concept with other local agency stakeholders and elected officials (Butte County, City of Paradise, etc.) through meetings and presentations, and begin the process of integrating the approach into local planning efforts (Long-Term Recovery Plan, Local Hazard Mitigation Plans, General Plan, Forest Health Plans, etc.).

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2. **Conduct Outreach:** Create and disseminate digestible educational materials based on technical analysis documents. Gather public input through meetings and presentations. Continue building support for the Resilience Parks concept with other local agency stakeholders and elected officials (Butte County, City of Paradise, etc.) through meetings and presentations, and begin the process of integrating the approach into local planning efforts (Long-Term Recovery Plan, Local Hazard Mitigation Plans, General Plan, Forest Health Plans, etc.). Secure commitments from willing sellers (may be combined with Real Estate Transaction Plan). Begin the process of integrating the approach into local planning efforts (Long-Term Recovery Plan, Local Hazard Mitigation Plans, General Plans, Camp Fire Forest Management Plans, etc.).

Task 7 - Project Closeout

1. Complete tasks related to closure of the project.

The purpose of this scoping project will be to develop a shovel-ready project and to submit a complete project application to FEMA in the next round of BRIC (or HMGP, if appropriate) funding.

B. Sample Consulting Agreement

C. BRIC Proposal Grants Outcomes SOW

D. BRIC Proposal Grants Outcomes Schedule

https://paradisepprd.sharepoint.com/sites/ParksPlanning/Shared Documents/_Study/Buffer.Project.BRIC/1.Admin/RFP/BRIC.RFP.Modeling.REVISION_23.0404.docx
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