



RESOLUTION No. 18-318

OF THE BOARD OF SUPERVISORS OF THE COUNTY OF NEVADA

RESOLUTION AUTHORIZING THE NEVADA COUNTY OFFICE OF EMERGENCY SERVICES TO SUBMIT AN APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY TO FUND THE COMMUNITY FIRE MITIGATION PROJECT IN THE TOTAL AMOUNT OF \$6,523,650 FOR THE PERIOD OCTOBER 1, 2018 THROUGH MAY 30, 2021 AND AUTHORIZING THE DIRECTOR OF EMERGENCY SERVICES TO EXECUTE THE APPLICATION

WHEREAS, the Office of Emergency Services is responsible for preparing and mitigating wildfire hazards in the County; and

WHEREAS, the County of Nevada has a severe and present danger of wildfire presenting a threat to public health and safety and the Federal Emergency Management Agency (FEMA) released Hazard Mitigation Program funding to incite proactive action to help communities reduce their losses from natural hazards; and

WHEREAS, the County of Nevada has identified a Community Fire Mitigation Project inclusive of roadside vegetation management, defensible space, and community education programs and the Town of Truckee, Truckee Fire Protection District and Fire Safe Council have provided letters of support and are joint partners in the Community Fire Mitigation Project; and

WHEREAS, the County of Nevada submitted a notice of interest, and was approved by the California Office of Emergency Services on February 7, 2018.

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of Nevada County, State of California authorizes the Nevada County office of Emergency Services to submit an application for the Federal Emergency Management Agency's Hazard Mitigation grant in the total amount of \$6,523,650 for the Community Fire Mitigation Project, for the period October 1, 2018 through May 30, 2021 and authorizes the Director of Emergency Services to execute for and on behalf of the County of Nevada this application and any actions necessary for the purpose of obtaining financial assistance provided by this FEMA Grant. The acceptance of this Grant will be brought to the Board of Supervisors for approval per County policy.

Funding: 0101207024141000/446700

PASSED AND ADOPTED by the Board of Supervisors of the County of Nevada at a regular meeting of said Board, held on the 26th day of June, 2018, by the following vote of said Board:

Ayes: Supervisors Heidi Hall, Edward Scofield, Dan Miller, Hank Weston and Richard Anderson

Noes: None.

Absent: None.

Abstain: None.

ATTEST:

JULIE PATTERSON HUNTER
Clerk of the Board of Supervisors

By: 


Edward Scofield, Chair

HAZARD MITIGATION GRANT PROGRAM PROJECT SUBAPPLICATION

DISASTER NUMBER:

DR-4344

JURISDICTION NAME:

County of Nevada

PROJECT TITLE:

County of Nevada Community Fire
Mitigation Project

PROJECT NUMBER:

DR-4344-0190

PROJECT NUMBER IS THE CONTROL NUMBER RECEIVED AT TIME OF SUCCESSFUL NOI SUBMITTAL



Cal OES

**GOVERNOR'S OFFICE
OF EMERGENCY SERVICES**

**Notice of Interest (NOI) approved subapplications
are due postmarked to Cal OES by:**

DR-4344: July 1, 2018

DR-4353: September 1, 2018

HAZARD MITIGATION GRANT PROGRAM (HMGP)

INTRODUCTION

INTRODUCTION

As a result of the declaration of a major federal disaster, the State of California is eligible for HMGP funding. The State has established priorities to accept project subapplications from subapplicants state-wide, state agencies, tribal governments, local governments, and Private Non-Profits.

Hazard mitigation activities are aimed at reducing or eliminating future damages. Activities include cost effective hazard mitigation projects and hazard mitigation plans approvable by the Federal Emergency Management Agency (FEMA).

HMGP is successful in meeting the FEMA requirements to qualify as an Enhanced State Hazard Mitigation Plan (ESHMP) state. ESHMP accreditation has resulted in additional millions of dollars available for local agencies' hazard mitigation plan and project funding. In order to maintain ESHMP status, further information is requested by FEMA. This information is requested as a means of assessing the pro-activity of your community or agency.

PUBLIC ASSISTANCE

HMGP does not fund repairs for damages that result after a disaster. If your project is aimed at repairing a damaged facility resulting from a federally declared disaster, contact the Public Assistance (PA) Program at disasterrecovery@caloes.ca.gov.

TIME EXTENSIONS

Time extensions may be requested, and will be approved or denied on a case-by-case basis. To request additional time to submit a subapplication, send an email to the HMGP@caloes.ca.gov mailbox. The subject line must include: "Subapplication Time Extension Request (include Disaster Number and Project Control Number)". The body of the message must include justification and specific details supporting why more time is needed and how much additional time is requested.

QUESTIONS

Submit all HMGP subapplication questions to the following mailbox: HMGP@caloes.ca.gov

HAZARD MITIGATION GRANT PROGRAM REGULATIONS

REGULATIONS

Federal funding is provided under the authority of the Robert T. Stafford Emergency Assistance and Disaster Relief Act (Stafford Act) through FEMA and the California Governor's Office of Emergency Services (Cal OES). Cal OES is responsible for identifying program priorities, reviewing subapplications and forwarding recommendations for funding to FEMA. FEMA has final approval for activity eligibility and funding.

The federal regulations governing HMGP are found in Title 44 of the Code of Federal Regulations (44CFR), Part 201 (Planning) and Part 206 (Projects) and in Title 2 of the Code of Federal Regulations (2CFR), Part 200 (Uniform Administrative Requirements).

The Council on Environmental Quality (CEQ) has developed regulations to implement the National Environmental Policy Act (NEPA). These regulations, as set forth in Title 40, Code of the Federal Regulations (CFR) Parts 1500-1508, require an investigation of the potential environmental impacts of a proposed federal action, and an evaluation of alternatives as part of the environmental assessment process. The FEMA regulations that establish the agency-specific process for implementing NEPA are set forth in 44 CFR Part 10. FEMA will lead the NEPA clearance process.

The subapplicant is responsible for complying with the regulations set forth in the California Environmental Quality Act (CEQA) (California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000–15387) and any other state/local permits or requirements.

FEMA GUIDANCE

FEMA requires that all projects adhere to the Hazard Mitigation Assistance Unified Guidance 2015.

HAZARD MITIGATION GRANT PROGRAM ELIGIBILITY CHECKLIST

Before completing the subapplication, review the following HMGP eligibility checklist to ensure project meets the requirements for HMGP funding.

- ☒ **Construction/Ground Breaking:** No construction or ground breaking activities are allowed prior to FEMA approval. HMGP does not fund projects that are in progress or projects that have already been completed.
- ☒ **Approved Notice of Interest:** Subapplicant must have an approved Notice of Interest (NOI) to submit a subapplication for HMGP funding. Only activities approved through the NOI process can be submitted for HMGP funding consideration.
- ☒ **Scope of Work:** The project scope of work (SOW) must be consistent with the SOW provided in the approved Notice of Interest (NOI).
- ☒ **Benefit Cost Analysis:** Benefit Cost Analysis (BCA) Toolkit Version 5.3.0 must be used to conduct the BCA. FEMA will only consider subapplications that use a FEMA-approved BCA methodology. Documentation to support BCA must be included in subapplication. Projects with a benefit cost ratio (BCR) of less than 1.0 will not be considered. BCA will be verified by FEMA and Cal OES upon subapplication submittal. 5% Initiative Projects do not need a BCA.
- ☒ **Subapplicant Eligibility:** Subapplicant must be an eligible State Agency, Local Government (City, County, Special Districts), Federally Recognized Tribe or Private Nonprofit (PNP) Organization. PNP is defined as private nonprofit educational, utility, emergency, medical, or custodial care facility, facilities providing essential governmental services to the general public and such facilities on Indian reservations (see 44 CFR Sections 206.221(e) and 206.434(a)(2)).
- ☒ **LHMP/MJHMP:** Subapplicant must have a FEMA approved and adopted Local or Multi Jurisdictional Hazard Mitigation Plan (LHMP or MJHMP) to be eligible for HMGP funding. If a jurisdiction has its own governing body, jurisdiction must be covered under its own plan. LHMP's/MJHMP's expire five years after FEMA approval. Failure to update plan before expiration date may cause project deobligation.
- ☒ **Cost Share:** Local funding match of 25% of the total project cost is required by the subapplicant. HMGP matching funds must be from a non-federal source. State does not contribute to local funding match.
- ☒ **Period of Performance:** Projects must be completed (including close-out) within the 36 month Period of Performance (POP). POP begins upon FEMA approval of the subapplication.

HAZARD MITIGATION GRANT PROGRAM ELIGIBILITY CHECKLIST (continued)

- ☒ **Complete Subapplication:** Failure to include all required documentation will delay the processing of your subapplication and may result in denial of project. The SOW, cost estimate, cost estimate narrative, work schedule and BCA must accurately mirror each other to be considered for funding. The budget narrative must include a detailed description of every cost estimate line-item, including the methodology used to estimate each cost.

- ☒ **Regulations:** Subapplications that are inconsistent with state and federal HMGP regulations, or do not meet eligibility criteria will not be considered.

- ☒ **Duplication of Programs:** HMGP funding cannot be used as a substitute or replacement to fund activities or programs that are available under other federal authorities, known as Duplication of Programs (DOP).

- ☒ **Time Extensions:** Unless a time extension has been approved before the deadline, subapplications must be postmarked by the applicable deadline to be considered for funding.

- ☒ **CEQA Requirement:** The subapplicant is responsible for complying with the regulations set forth in the California Environmental Quality Act (CEQA) (California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000–15387). Environmental data is required for project. Environmental review is typically the most time consuming aspect of project funding approval.



SUBAPPLICANT MUST BE ABLE TO CHECK EVERY BOX TO QUALIFY FOR HMGP FUNDING.

SUBAPPLICATION FORMAT INSTRUCTIONS

Cal OES requires the following format to be used for all HMGP subapplications. Two complete subapplications must be submitted to Cal OES. Each subapplication must be separately packaged. The first copy is logged and retained for Cal OES records. The second copy will be forwarded to FEMA for review and final determination.

COMPLETE SUBAPPLICATION PACKAGE CONSISTS OF THE FOLLOWING:

- ☒ **TWO** identical printed subapplications must be provided in 3-ring binders
 - Each binder section must be tabbed in the format outlined below
 - Each binder must be large enough to hold all of the contents
 - The use of additional binders is permitted as needed
 - All printed attachments must be clearly titled
- ☒ **TWO** identical CD-RWs must include functional electronic versions of all documents/attachments
 - Attachments must be in one of the following formats: Microsoft Word version 2007 (or newer), Microsoft Excel or Adobe PDF
 - Benefit Cost Analysis (BCA) 5.3.0 must be included in a .zip file format
 - All electronic attachments must be clearly titled

ORGANIZATION OF THE BINDER SECTIONS MUST BE TABBED IN THE FOLLOWING FORMAT:

0. Table of Contents
1. Subapplication
2. Scope of Work
3. Designs
4. Studies
5. Maps
6. Photos
7. Schedule (Additional documentation work schedule components, Gantt chart, etc.)
8. Budget (HMGP Cost Estimate Spreadsheet and cost estimate narrative)
9. Match (Local Match Commitment Letter Template)
10. BCA Report (BCA Version 5.3.0 report and BCA supporting documentation)
11. Maintenance (Project Maintenance Letter Template)
12. Environmental (FEMA's Site Information, Environmental Review and Checklist and all other environmental documentation)
13. Supporting Docs (Any extra supporting documentation)

MAIL OR DELIVER COMPLETED SUBAPPLICATIONS TO:

California Governor's Office of Emergency Services
Hazard Mitigation Grants Program Unit
Attention: HMGP
3650 Schriever Avenue
Mather, CA 95655

PROJECT SUBAPPLICATION FORM

SUBAPPLICANT INFORMATION

1.	SUBAPPLICANT:	County of Nevada			
NAME OF STATE AGENCY, TRIBAL GOVERNMENT, LOCAL GOVERNMENT, PRIVATE NON-PROFIT OR SPECIAL DISTRICT APPLYING FOR FUNDING					
2.	TYPE:	STATE/LOCAL GOVERNMENT <input checked="" type="checkbox"/>	TRIBAL GOVERNMENT <input type="checkbox"/>	PRIVATE NON-PROFIT <input type="checkbox"/>	SPECIAL DISTRICT <input type="checkbox"/>
3.	FIPS #:	10979029	IF YOU DO NOT KNOW YOUR FEDERAL IDENTIFICATION PROCESSING SYSTEM NUMBER (FIPS #), REQUEST BY EMAILING THE HMGP@CALOES.CA.GOV MAILBOX		
4.	DUNS #:	010979029	IF YOU DO NOT KNOW YOUR DATA UNIVERSAL NUMBERING SYSTEM (DUNS) #, CALL DUN & BRADSTREET (D&B) @ 1-866-705-5711 FOR INFORMATION		
5.	COUNTY:	Nevada			THE NAME OF THE COUNTY WHERE THE PROPOSED PROJECT IS LOCATED
6.	POLITICAL DISTRICT NUMBERS:	CONGRESSIONAL:	1	STATE ASSEMBLY:	1
		STATE LEGISLATIVE:	1	PROVIDE ONLY THE NUMBERS OF THE POLITICAL DISTRICTS FOR THE SUBAPPLICANT	
7.	PRIMARY CONTACT:				
POINT OF CONTACT FOR YOUR PROJECT. CAL OES WILL CONTACT THIS PERSON FOR QUESTIONS AND/OR REQUESTS FOR INFORMATION					
	NAME:	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	FIRST:	John	LAST: Gulserian
	TITLE:	OES Program Manager			
	ORGANIZATION:	County of Nevada			
	ADDRESS:	10014 N. Bloomfield			
	CITY:	Nevada City	STATE:	CA	ZIP CODE: 95959
	TELEPHONE:	(530) 265-1515	FAX:	(530) 265-7087	
	EMAIL:	John.Gulserian@co.nevada.ca.us			
8.	ALTERNATIVE CONTACT:				
BACK-UP POINT OF CONTACT FOR YOUR PROJECT. CAL OES WILL CONTACT THIS PERSON IF PRIMARY CONTACT IS UNAVAILABLE					
	NAME:	<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Ms.	FIRST:	Steve	LAST: Monaghan
	TITLE:	OES Director			
	ORGANIZATION:	County of Nevada			
	ADDRESS:	950 Maidu Avenue			
	CITY:	Nevada City	STATE:	CA	ZIP CODE: 95959
	TELEPHONE:	(530) 265-1515	FAX:	(530) 265-7087	
	EMAIL:	Steve.Monaghan@co.nevada.ca.us			

LOCAL HAZARD MITIGATION PLAN INFORMATION

9. LOCAL HAZARD MITIGATION PLAN (LHMP) REQUIREMENT:

- i** A FEMA approved and locally adopted LHMP is required to receive federal funding for all project subapplication activities. Subapplicants for HMGP funding must have a FEMA-approved Mitigation Plan in place at the time of sub-award. Subapplication will be reviewed to ensure that the proposed activity is in conformance with subapplicant's plan.

A. NAME/TITLE OF YOUR LHMP: Nevada County Local Hazard Mitigation Plan Update

B. LOCAL SINGLE JURISDICTIONAL MULTIHAZARD MITIGATION PLAN:		OR	LOCAL MULTI JURISDICTIONAL MULTIHAZARD MITIGATION PLAN:	
DATE SUBMITTED TO CAL OES:			DATE SUBMITTED TO CAL OES:	2017
DATE APPROVED BY FEMA:			DATE APPROVED BY FEMA:	2018
DATE ADOPTED BY LOCAL AGENCY:			DATE ADOPTED BY LOCAL AGENCY:	2018
			LEAD AGENCY:	Nevada County OES

C. IF YOUR PROJECT IS REFERENCED IN YOUR LHMP, INDICATE WHERE THE PROPOSED PROJECT CAN BE FOUND; USE N/A FOR NOT APPLICABLE BOXES:

CHAPTER	PART	SECTION	PAGE
5	4	N/A	5-11



DO NOT INCLUDE A COPY OF YOUR PLAN WITH SUBAPPLICATION.

D. PROVIDE A SHORT NARRATIVE DETAILING HOW YOUR PROJECT ALIGNS WITH THE RISK AND HAZARD ASSESSMENTS, STRATEGIES, GOALS AND/OR OBJECTIVES OF YOUR PLAN:

The County of Nevada Community Fire Mitigation Project is in cohorts with 2017 Nevada County Local Hazard Mitigation Plan Update Goals 1, 2, 3, 4 Objectives 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 4.6 and Actions 2, 6, 15. The County of Nevada Community Fire Mitigation Project mitigates Nevada County's most significant hazard natural hazard, wildfires (pgs. 4-129 to 4-145). The project also addresses the need to increase community outreach, education, and awareness of risk and vulnerability to hazards and promote participation and voluntary compliance to reduce hazard-related losses (pg. iv). Program elements such as public assistance programs for defensible space, and Roadside Vegetation Management will provide the public with safe evacuation routes; following objectives 3.1, 3.2 improving emergency services, evacuations and information for the public. Finally, project will accomplish Goal 4 reducing fire severity and intensity in Nevada County, and will accomplish the reduction of vulnerability to life, safety, property and wildfire damage (pg. iv). Actions items 02, 06, 15 identified in the LHMP include increasing public awareness through public education, educate landowners on tree mortality/defensible space, and address growth along roadsides. Project will provide a public education component and vegetation management along roadsides.

COMMUNITY INFORMATION

10. COMMUNITY PARTICIPATION:

A. CHECK BOX(ES) IF YOUR COMMUNITY PARTICIPATES IN ANY OF THE FACTORS BELOW:

Select a column appropriate to your type of project. Acronyms include: Community Wildfire Protection Plan (CWPP), California Environmental Quality Act (CEQA), Community Rating System (CRS) Plan and Unreinforced Masonry (URM) Participation.

FIRE	FLOOD	EARTHQUAKE
<input checked="" type="checkbox"/> CWPP, FIRE WIRE, FIRE SAFE	<input type="checkbox"/> CRS PLAN	<input type="checkbox"/> SHAKEOUT DRILL PARTICIPATION
<input type="checkbox"/> CURRENT CEQA ACTIVITY	<input type="checkbox"/> CURRENT CEQA ACTIVITY	<input type="checkbox"/> CURRENT CEQA ACTIVITY
<input checked="" type="checkbox"/> DEFENSIBLE SPACE	<input type="checkbox"/> HYDROLOGY STUDY	<input type="checkbox"/> URM PARTICIPATION

B. PROVIDE A NARRATIVE DESCRIPTION OF ALL OF FACTORS SELECTED FROM LIST ABOVE:

County of Nevada participates in a Community Wildfire Protection Plan; Partner Agencies in this grant include FIRE WISE and FIRE SAFE COUNCIL. County of Nevada also passed Ordinance 2411 requiring defensible space around homes and along driveways. County of Nevada provides fire inspections in order to enforce defensible space standards.

C. IS YOUR JURISDICTION REQUIRED TO PROVIDE PUBLIC NOTICE OF THIS PROJECT?

☒ Yes ☐ No If yes, provide details: County of Nevada will provide public notice at the award of the grant through the County Board of Supervisors.

PROJECT INFORMATION

11. PROJECT TITLE: County of Nevada Community Fire Mitigation Project
MUST USE THE SAME PROJECT TITLE ORIGINALLY USED IN THE APPROVED NOTICE OF INTEREST (NOI). IF YOU NEED TO CHANGE YOUR PROJECT TITLE, CONTACT CAL OES AT HMGP@CALOES.CA.GOV

12. PROJECT LOCATION:

A. IDENTIFY THE COUNTY/COUNTIES WHERE THE ACTIVITY WILL OCCUR:

Nevada County

B. LATITUDE/LONGITUDE COORDINATES:

FEMA requires that all projects be geo-coded using latitude and longitude (lat/long) using NAD-83 or WGS-84 datum. The lat/long coordinates must be expressed in degrees including five or more decimal places (e.g., latitude 36.999221, longitude -109.044883).

LATITUDE	LONGITUDE
39.269400	-121.026289



IF THERE ARE MORE THAN ONE SET OF LAT/LONG COORDINATES, PROVIDE ON SEPARATE DOCUMENT AND ADD TO MAP SECTION OF BINDER.

C. STRUCTURE COORDINATES:

- For projects that protect buildings or other facilities, provide coordinates for each structure at either the front door of the structure or the intersection of the public road and driveway that is used to access the property.
- For large activity areas, such as detention basins or vegetation management projects, the location must be described by three or more coordinates that identify the boundaries of the project.
- The polygon created by connecting the coordinates must encompass the entire project area.

390053.6 - 1210417.2; 390229.6 - 1211611.7; 39.229888, -121.270357; 39.446920 - 120.531288; 392437.3 - 1200250.7; 39.285612 -120.757295

D. STAGING AREA:

Describe the project staging area. This is the area where the project equipment, materials and/or debris will be staged. Include a vicinity map with the proposed staging area(s) in the map section of the binder.

Green Waste Locations: 39.321114, -120.378662; 39.325444, -120.237797; 39.273894, -121.118095; 39.185545, -121.048751; 39.190353, -120.985610; 39.232428, -121.22102; 39.267396, -121.006729; 39.229450, -121.069083; 39.195850, -121.177279; 39.333743, -120.172394; 39.207074, -121.076571; 39.351809, -120.098134
Included as Green Waste Sites in map section application.



AERIAL MAP(S) OF STAGING AREA(S) MUST BE INCLUDED IN SUBAPPLICATION.

E. SEA LEVEL RISE (SLR):

1. Is the risk to the project increased by SLR due to project location and project activity type? Yes ☐ No ☒
2. Was SLR considered and included in the mitigation measures implemented in this project? Yes ☐ No ☒

F. SITE PHOTOS:

- ☒ A minimum of three ground photos per project site are required. Include in photo section of the binder.

G. MAPPING REQUIREMENTS:

Provide the following mapping elements in the map section of the binder:

- ☒ If project area has been mapped using GIS software, include the completed Shapefiles on CD-RW.
- ☒ Include a vicinity map of the general area showing major roads. Aerial photographs may be used as vicinity maps.
- ☒ Prominently mark the project location on the vicinity map.
- ☒ Provide a detailed project map that clearly identifies the project boundaries.
- ☒ Project map must show all lat/long coordinates provided in the project description.
- ☒ Vicinity map and the project map must both have a north arrow and scale.



DO NOT SEND ROLLED MAPS – MAPS MUST BE FOLDED UNTIL 8.5" x 11" IN SIZE.

H. PUBLIC ASSISTANCE (PA) PROGRAM FUNDING:

List any Public Assistance Disaster Survey Reports (DSR) or Project Worksheets (PWs) that were completed at the project location from previous disasters. List all current engagement with PA for this current disaster and include date(s) if known:

PA-09-CA-4301-PW-00600(0) NENCC12: Banner Lava Cap Road
PA-09-CA-4301-PW-00770(0) NENCC11: Red Dog Road and Cooper Road
PA-09-CA-4308-PW-00668(0) NENCC81: Mooney Flat Road

I. DEED RESTRICTIONS THAT LIMIT FEDERAL FUNDING:

Is there a deed restriction or permanent conservation easement on the property at the project site that would prohibit federal disaster funding (e.g., a previously FEMA funded acquisition of a structure on this property)? If yes, describe in detail.

N/A

13. PROJECT DESCRIPTION:

A. APPLICATION TYPE:

☒ Project ☐ 5% Activity

5% activities are defined as mitigation actions that are consistent with your local hazard mitigation plan and meet all HMGP requirements, but may be difficult to conduct a standard BCA to prove cost-effectiveness. Examples: early earthquake warning system, back-up generators for critical facilities, public awareness campaign, mitigation specific community outreach activities.

B. PROJECT TYPE:

Select at least one project type; select as many as needed to accurately describe project.

<input type="checkbox"/> EARTHQUAKE	<input checked="" type="checkbox"/> FIRE	<input type="checkbox"/> FLOOD	<input type="checkbox"/> OTHER
<input type="checkbox"/> CODE ENFORCEMENT	<input checked="" type="checkbox"/> DEFENSIBLE SPACE	<input type="checkbox"/> ACQUISITION	<input type="checkbox"/> CRITICAL FACILITY GENERATOR(S)
<input type="checkbox"/> NON-STRUCTURAL	<input type="checkbox"/> FIRE RESISTANT BUILDING MATERIALS	<input type="checkbox"/> DRY FLOOD PROOFING	<input type="checkbox"/> DROUGHT <input type="checkbox"/> TSUNAMI
<input type="checkbox"/> STRUCTURAL	<input checked="" type="checkbox"/> FIRE VEGETATION MANAGEMENT	<input type="checkbox"/> FLOOD CONTROL	<input type="checkbox"/> WIND
<input type="checkbox"/> NON-STRUCTURAL & STRUCTURAL	<input type="checkbox"/> SOIL STABILIZATION	<input type="checkbox"/> ELEVATION	<input type="checkbox"/> OTHER: <input type="text"/>
<input type="checkbox"/> CLIMATE RESILIENCY MITIGATION ACTION (CRMA): Projects that mitigate risk through restoration of the natural environment			

C. DESCRIBE PROBLEM/HAZARDS/RISKS:

Describe the problem this project is attempting to solve and the expected outcome. Describe the hazards and risks to life, safety and any improvements to property in the project area for at least the last 25 years. Describe in detail how the project reduces hazard effects and risks.

Nevada County's population of over 98,000 resides in 52,590 housing structures (US Census v 2016). According to Cal Fire's Fire Hazard Severity Zone maps, 8% of the County is living within the moderate zone, 29% in the high zone and 62% in the very high zone. In the unincorporated areas of Nevada County, approximately 28,000 parcels are located within the WUI as defined by the Community Wildfire Protection Plan (CWPP.) Moreover, according to Cal Fire, Nevada County has over 25,000 structures in the State Responsibility Area, which is the 5th highest county in CA. As the state grows hotter and increasingly subject to prolonged droughts, and as more people live in high risk areas, the fires simply get bigger, more severe, and more costly to put out. Therefore, the vast majority of the population, and homes, lie within very high wildfire hazard areas where the effects of wildfire would be devastating.

Consensus among planning efforts to address the wildfire hazard through fuels reduction efforts are contained in the Nevada County Local Hazard Mitigation Plan Update 2017, the CAL FIRE Nevada – Yuba – Placer Unit Fire Plan and the Fire Safe Council of Nevada County's Countywide Community Wildfire Protection Plan. Vegetation management,

landowner assistance and community education is stated as a priority in each plan. Given the fact that private property owners in Nevada County are embedded in the wildfire problem, there is a need for direct assistance to mitigate the fire hazard. Property owners choosing to live in wildfire prone areas need education on the choices, decisions and actions that contribute to the complex wildfire problem. Due to a high influx of retirees from urban and suburban areas of California, the education effort is ongoing. The decisions and choices made by residents greatly impact the wildfire threat and are echoed in the various planning efforts addressing the issue.

Scope of work includes a joint partnership between Nevada County, Fire Safe Council, Fire Wise Communities, Town of Truckee and Truckee Fire Protection District in order to mitigate wildfire hazards in a whole community approach. Goals shall be attained through a multi-pronged approach which will focus on (1) Roadside Vegetation Management Program (2) Defensible Space Chipping Program (3) Access & Functional Needs Program (4) Green Waste Disposal Program (5) Community Fire Mitigation Training Program.

D. DESCRIBE RECENT EVENTS THAT INFLUENCED THE SELECTION OF THIS PROJECT:

Describe recent events (e.g. changes in the watershed, discovery of a new hazard, zoning requirements, inter-agency agreements, etc.) that influenced the selection of this project.

Nevada County experienced a highly active fire season last year (2017). The most significant fire in 2017 was the Wind Complex which burnt 17,037 acres and destroyed 398 structures. A breakdown of the destroyed structures includes 203 residences, 194 outbuildings, and 1 commercial structure. During the event 6 homes and 10 outbuildings were also damaged. The event experienced loss of human life as 4 people were killed while 1 was injured in the fire. There were 1,234 fire personnel dedicated to this fire including 104 engines, 19 water tenders, 3 helicopters, 26 hand crews and 4 dozers. The Wind Complex event includes both the Lobo and McCourtney Fires. The Lobo Fire burned 821 acres, destroyed 47 and damaged 2 structures; while the McCourtney fire burned 76 acres and destroyed 13 and damaged 2 structures. Aside from afore mentioned Wind Complex fires, the County also experienced the Grizzly, Greenhorn, Garden and Pleasant fires. In total these four fires burned through 436 acres, destroying 4 structures while 1 was reported damaged.

E. SCOPE OF WORK (SOW):

STATE EXACT SOW DOCUMENT TITLE:

Scope of Work Community Fire Mitigation Project

1. Describe the entire SOW of the project in clear, concise, ample detail.
2. Must provide a thorough description of **all tasks and activities** to be undertaken.
3. Must be written in sequential order from start to finish of the project.
4. Describe any land acquisition activities, and/or right-of-way or access easements that need to be obtained.
5. If structural, discuss how the structure/building/facility will be constructed or retrofitted.
6. Include building or structure dimensions, material types, depth and width of excavations, volume of materials excavated, type of equipment to be used, staging and parking areas, and any phasing of the project.
7. If any tunneling is proposed, describe the method and any temporary trenches or pits.
8. Describe any demolition activities that need to occur prior to construction or retrofitting.



INSERT THIS DOCUMENT IN THE SOW SECTION OF THE BINDER.

F. HAS YOUR JURISDICTION PREVIOUSLY RECEIVED HMGP FUNDING?

☒ Yes ☐ No ☐ Unknown | If yes, provide disaster number(s): HMGP Plan Update

G. HAS YOUR JURISDICTION RECEIVED ANY OTHER FUNDING?

Describe all other funding received for this project and all other recent projects. Identify the funding source (i.e., Federal, State, Private, etc.).

The County of Nevada has not received Federal or Private funding for pertaining to the Scope of Work identified in this project. The County has received a State Grant in the Past 5 years at roughly \$200,000 State Responsibility Fire Protection Fund regarding Tree Mortality.

H. RELATED PROJECTS:

Describe any other projects or project components (whether or not funded by FEMA), which may be related to the proposed project, or are in (or near) the proposed project area. FEMA must look at all projects to determine a cumulative effect. FEMA reviews all interrelated projects under NEPA regulations.

Most recent project established is was a State Responsibility Area Fire Prevention Fund and Tree Mortality project dated 2016. This is a project which was funded by the State and was completed in late 2017. The County of Nevada currently operates a Defensible Space inspection program per Ordinance 2411 and budgets funds for Roadside Vegetation Maintenance each year. FEMA Funds in this grant will assist the county in catching up with needed maintenance along roadsides and will provide citizens with direct homeowner assistance in meeting Ordinance 2411 guidelines.

I. HAZARD ANALYSIS TYPE:

Select the hazard(s) below that this project will protect against. Select as many as needed.

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> BIOLOGICAL | <input type="checkbox"/> EARTHQUAKE | <input type="checkbox"/> LAND SUBSISTENCE | <input type="checkbox"/> TERRORIST |
| <input type="checkbox"/> CHEMICAL | <input checked="" type="checkbox"/> FIRE | <input type="checkbox"/> MUD/LANDSLIDE | <input type="checkbox"/> TORNADO |
| <input type="checkbox"/> CIVIL UNREST | <input type="checkbox"/> FISHING LOSSES | <input type="checkbox"/> NUCLEAR | <input type="checkbox"/> TOXIC SUBSTANCES |
| <input type="checkbox"/> COASTAL STORM | <input type="checkbox"/> FLOOD | <input type="checkbox"/> SEVERE ICE STORM | <input type="checkbox"/> TSUNAMI |
| <input type="checkbox"/> CROP LOSSES | <input type="checkbox"/> FREEZING | <input type="checkbox"/> SEVERE STORM(S) | <input type="checkbox"/> WINDSTORM |
| <input type="checkbox"/> DAM/LEVEE BREAK | <input type="checkbox"/> HUMAN CAUSE | <input type="checkbox"/> SNOW | <input type="checkbox"/> OTHER (describe below): |
| <input type="checkbox"/> DROUGHT | <input type="checkbox"/> HURRICANE | <input type="checkbox"/> SPECIAL EVENTS | |

J. DESIGN PLANS:

☐ If your project requires design plans, plans should be prepared to supplement the SOW and attached in the design section of the binder. If the project involves ground disturbance, (e.g. enlarging ditches or culverts, diversion ditches, detention basins, storm water improvements, etc.) include the following:

1. **Scale:** Plans should be drawn to scale (e.g. 1" to 100' or 1" to 200') depicting the entire land parcel, showing buildings, improvements, underground utilities, other physical features, dimensions and cross sections.
2. **Identification:** Indicate agency name, land owner, civil engineer, soil engineer, geologist, map preparer, and date of map preparation. Also, indicate the name of the project.
3. **Legend/Orientation:** Include a legend explaining all lines and symbols. Identify property acreage and indicate direction with a north arrow (pointing to top or right hand side of the plan).
4. **Dimensions:** Show property lines and dimensions. Also, show boundary lines of project and their dimensions if only a portion of the property is being utilized for the project.
5. **Structures:** Identify all existing and proposed buildings and structures including storm drains, driveways, sidewalks and paved areas.
6. **Utilities:** Indicate names and location of utilities on property (water, sewage, gas, electric, telephone,

cable).

7. **Roads/Easements:** Indicate location, names, and centerline of streets and recorded roads. Identify any utility, drainage or right-of-way easements on the property.
 8. **Drainage:** Show the location, width and direction of flow of all drainage courses on site.
 9. **Grading/Topographic Information:** Show existing surface contours on-site and bordering the property
 10. **Parking:** Show all construction parking and staging areas and provide dimensions.
 11. **Cross Sections:** Provide cross sections of proposed buildings, structures or other improvements, and any trenches, temporary pits or catchment basins.
- ☐ If applicable, provide studies and engineering documentation, including any Hydrology and Hydraulics (H&H) data.
- ☐ If applicable, provide drawings or blueprints that show the footprint and elevations.



DO NOT SEND PRINTED COPIES OF DESIGN PLANS, DRAWINGS OR BLUE PRINTS LARGER THAN 8.5' x 11" SIZE. DO NOT SEND ROLLED COPIES (FOLD TO OBTAIN 8.5" x 11" SIZE).

K. PROJECT ALTERNATIVES:

Identify three project alternatives:

1. ALTERNATIVE #1 – NO ACTION:

Describe the No Action alternative below. The No Action alternative evaluates the consequences of taking no action and leaving conditions as they currently exist.

Providing no action is absolutely unacceptable in our present condition pertaining to wildfire threats. Last year our County suffered through 1 Presidential Disaster due to wildfire and was very fortunate that the wildfires did not create more damage due to the large amount of homes in the WUI; mostly in high fire severity zones. Due to the uptick in recent wildfire events in the past five years, it is highly likely the County of Nevada would escape the next three years without a major catastrophe unless corrective action is taken. The County has identified 300 miles needing roadside vegetation maintenance, where on red flag days; the smallest spark could ignite communities living within these high risk areas. Additionally public assistance programs have been identified in order to increase defensible space to better protect homes if a catastrophic event occurs. Moreover, no action would result in the County of Nevada becoming insubordinate to FEMA, Statewide, and Community Plans by not addressing its identified highest risk, wildfires.

2. ALTERNATIVE #2 – PROPOSED ACTION:

Describe the Proposed Action alternative below. The Proposed Action alternative is the proposed project to solve the problem. Explain why the proposed action is the preferred alternative. Identify how the preferred alternative will solve the problem, why the preferred alternative is the best solution for the community, why and how the alternative is environmentally preferred and why the project is the economically preferred alternative.

Scope of work includes a joint partnership between Nevada County, Fire Safe Council, Fire Wise Communities, Town of Truckee and Truckee Fire Protection District in order to mitigate wildfire hazards in a whole community approach. These goals shall be attained through a multi-pronged approach which will focus on (1) Roadside Vegetation Management Program (2) Defensible Space Chipping Program (3) Access & Functional Needs Program (4) Green Waste Disposal Program (5) Community Fire Mitigation Training Program.

The Roadside Vegetation Management program will prevent losses to property, existing /future development, critical facilities, utilities, services, economy, and the

environment through maintaining roadway by mitigating wildfire threats during evacuation, and reducing roadside flammables in high traffic areas. Defensible Space Chipping Program provides drive-by chipping service for residents to incentivize hazardous fuel reductions around homes for effective defensible space and private road evacuation routes thus preventing losses to property, public health, economy and the environment. Access & Functional Needs Assistance Program assists those who are physically unable to meet the minimum requirements under the law for defensible space therefore providing a benefit to public health, environment, and existing/future development. The Green Waste Disposal Program provides a convenient method for disposing of hazardous vegetation which incentivizes the protection of property and public health. Finally the Community Fire Mitigation Training Program focuses on educating property owners choosing to live in wildfire prone areas whose choices, decisions and actions impact the wildfire threat as an attempt to provide for a self-sustaining program focusing on a whole community approach.

According to the 2018 Nevada County Local Hazard Mitigation Plan Update, wildland fire is the most significant natural hazard (pg. iii). The CAL FIRE Hazard Severity Zone map verifies the majority of Nevada County's Wildland-Urban Interface (WUI) ranks as high to very high in terms of hazardous fuels conditions. The last five years have shown an increase in significant wildfire events such as the Wind Complex in 2017 which burnt 17,037 acres and destroyed 398 structures, and the Lowell Fire in 2015 which burnt 2,304, according to California Department of Forestry and Fire Protection.

The County of Nevada Community Fire Mitigation Project is in cohorts with 2017 Nevada County Local Hazard Mitigation Plan Update Goals 1, 2, 3, 4 Objectives 1.1, 1.2, 1.3, 2.1, 2.2, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 4.6 and Actions 2, 6, 15. Moreover the plan minimizes risk and vulnerability of Nevada County to natural hazards and protects lives and prevents losses to property, public health, economy and the environment.

3. ALTERNATIVE #3 – SECOND ACTION ALTERNATIVE:

Describe the Second Action alternative below. The Second Action alternative described must also solve the described problem. State why this alternative wasn't chosen. It must be a viable project that could be substituted in the event the proposed action is not chosen.

Alternative to project associated in this grant included Roadside Vegetation Maintenance on 50 miles of Roadway. Roadside Maintenance refers to the clearance of regrowth vegetation (native and introduced) in order to maintain a road corridor or other established cleared or disturbed areas on road reserves. The primary goal of this action is to take reasonable steps to prevent or inhibit the outbreak of fire on roadsides and the spread of fire through roadsides. Broken catalytic converters and dragging tow chains are the most common causes of these roadside ignitions, aside from the wildfires caused by arson. High winds combined with dry weather are the warning signs for wildfires. This means that a faulty car part can cause enough heat to create a flame. Due to the a high concentration of population living within the WUI High Fire Severity Zones near high traffic circulation areas, roadside vegetation management is a valuable program to be implemented in order to mitigate wildfires

around Nevada County.

Alternative was not chosen as it does not address all issues outlined in the Nevada County Local Hazard Mitigation Plan Update. Moreover this program does not include public assistance programs and does not provide a mechanism for Defensible Space as found in Ordinance 2411. Additionally proposed action focuses on a whole community approach and partners with other agencies while the second action alternative would be internal in nature.

WORK SCHEDULE INFORMATION

14. PROJECT WORK SCHEDULE:

The intent of the work schedule is to provide a realistic appraisal of the time and components required to complete the project.

- Describe each of the major work elements and milestones in the description section below.
- Project subapplication examples are: construction, architectural, design, engineering, inspection, testing, permits, project management, mobilization and de-mobilization.
- State the total timeframe anticipated for each of the work elements.
- State the total timeframe anticipated to complete the project.
- Work schedule must mirror SOW, budget and BCA.OPTIONAL: Provide the work schedule in GANTT chart form as supplemental documentation in the work schedule section of the binder Include this information as an example.

WORK SCHEDULE EXAMPLE		
#	DESCRIPTION	TIMEFRAME
1.	Kick-off, 90% design meetings	3 months
2.	Final contract drawing development	5 months
3.	Open bids and award contract	4 months
4.	Construction – Mobilization	5 months
5.	Construction – Demolition	4 months
6.	Construction – Concrete and conduit work	2 months
7.	Construction – Trenching	2 weeks
8.	Construction – Utility relocation	4 months
9.	Construction – Electrical Installation	1 month
10.	Construction – Site Restoration	1 week
11.	Construction – Complete punch list	2 months
12.	Construction – Demobilization	1 week
13.	Project Close-out and record drawings	2 months
14.	Grant Close out	3 months
TOTAL MONTHS:		36 months



TOTAL PROJECT DURATION (INCLUDING CLOSE-OUT) MUST NOT EXCEED A 36 MONTH PERIOD OF PERFORMANCE (POP).

#	DESCRIPTION	TIMEFRAME
1.	Phase I – Grant Initiation	5 months
2.	Phase II – Grant Execution Part 1	9 months
3.	Phase III – Grant Execution Part 2	13 months
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.	(Note Below Project Close-out and Standard Value Grant close out is Phase	
17.	IV in our schedule equating to a total of 5 months	
18.	Project Close-out	2 months
19.	STANDARD VALUE (DO NOT CHANGE) Grant Close-out	3 months
TOTAL MONTHS:		32

If more lines are needed than provided, indicate the title of document in box 1 and attach a separate work schedule in the schedule section of binder.

COST ESTIMATE INFORMATION

15. HMGP COST ESTIMATE SPREADSHEET:

A. COST ESTIMATE INSTRUCTIONS:

☐ Using the **HMGP Cost Estimate Spreadsheet**, provide a detailed cost estimate breakdown.

- Cost estimate describes the anticipated costs associated with the SOW for the proposed mitigation activity. Cost estimates must include detailed estimates of cost item categories.
- Only include costs that are directly related to performing the mitigation activity. If additional work, such as remodeling, additions, or improvements are being done concurrently with the mitigation work, do not include these costs in the submitted budget.
- Documentation that supports the budget must be attached to the subapplication in the budget section of the binder.
- Total costs must be consistent with the requested federal share plus the matching funds and must be consistent with the project cost in the Benefit Cost Analysis (BCA), SOW and work schedule.

HMGP COST ESTIMATE SPREADSHEET EXAMPLE					
#	ITEM NAME	Unit Qty	UNIT	UNIT COST	COST EST TOTAL
1.	Pre-Award Costs: Develop BCA	4	HR	\$150	\$600
2.	Temp. Inlet Filter Rolls	4	EA	\$250	\$1000
3.	Temp. Fiber Roll	1850	LF	\$3	\$5550
4.	Hydraulic Mulch	1000	SQYD	\$2	\$2000
5.	Plane Asphalt Concrete Pavement	650	SQYD	\$22	\$14300
6.	Street Sweeping for 30 days	30	EA	\$350	\$10500
7.	Roadway Excavation	70	CY	\$40	\$2800
8.	Aggregate Base, Class 2	210	CY	\$75	\$15750
9.	Remove Concrete Pavement	650	SQYD	\$340	\$10540
10.	Asphalt Concrete, Type B	180	TON	\$150	\$27000
11.	Asphalt Concrete, Leveling	10	TON	\$300	\$3000
12.	Asphalt Concrete Dike, Type A	235	LF	\$15	\$3525
13.	Asphalt Concrete Dike, Type F	125	LF	\$8	\$120
14.	Place Asphalt Concrete	15	SQFT	\$8	\$120
15.	18" Corrugated Steel Pipe Riser	5	LF	\$125	\$625
16.	24" Reinforced Concrete Pipe	275	LF	\$170	\$46750
17.	84" Reinforced Concrete Pipe Install	572	LF	\$400	\$228800
18.	Precast Triple Concrete Box Culvert	44	LF	\$1500	\$66000
19.	Curb Inlet - Type B-1 (L=9')	1	EA	\$6000	\$6000
20.	Curb Inlet - Type B-1 (L=13')	1	EA	\$6300	\$6300
21.	Curb Inlet - Type B-1 (L=15')	1	EA	\$6800	\$6800
22.	Storm Drain Cleanout - Type A-8	3	EA	\$7500	\$22500
23.	8" PVC Sewer	89	LF	\$100	\$8900
24.	Cellular Block (Precast)	4100	SQFT	\$20	\$82000
25.	Project Identification Sign	2	EA	\$1000	\$2000
Total Project Cost Estimate:					\$573480

B. INELIGIBLE COSTS:

The following are ineligible line items:

- Lump Sums
- Contingency Costs
- Miscellaneous Costs
- "Other" Costs
- Indirect Charges
- Overhead Costs
- Cents (must use whole dollar amounts, round unit prices up to whole dollars)

C. PRE-AWARD COSTS:

Eligible pre-award costs are costs incurred after the disaster date of declaration, but prior to grant award. Pre-award costs directly related to developing the application may be funded.

- Developing a BCA
- Preparing design specifications
- Submission of subapplication
- Gathering environmental and historic data
- Workshops or meetings related to development



Subapplicants who are not awarded funds will not receive reimbursement for pre-award costs.

D. COST ESTIMATE NARRATIVE:

FEMA requires a cost estimate narrative that explains all projected expenditures in detail. The cost estimate narrative is intended to mirror the cost estimate spreadsheet and should include a full detailed narrative to support the cost estimates listed in the HMGP Project Cost Estimate Spreadsheet. If your cost estimate includes City, County, or State employees' time (your agency), include personnel titles and salary/hourly wages plus benefits for a total hourly cost. Detailed timesheets must be retained.

☒ Title the document "Cost Estimate Narrative" and include in the budget section of the binder.

16. FEDERAL/NON-FEDERAL SHARE INFORMATION:

A. FUNDING RESTRICTIONS:

HMGP funding is restricted to a maximum of \$5 million federal share for each project subapplication. FEMA will contribute up to 75 percent of the total project cost. A minimum of 25 percent of the total eligible costs must be provided from a non-federal source. State does not contribute to local cost share.

For example: for a \$6,250,000 total project cost, the federal requested share (75 percent) would be \$5,000,000. The non-federal match share (25 percent) provided would be \$1,250,000.

A jurisdiction may contribute an amount greater than the 25 percent non-federal share.

For example: for a \$10,000,000 total project cost, the federal requested share cannot exceed \$5,000,000. Therefore, the non-federal match provided must be \$5,000,000, which exceeds 25 percent of the total cost share. The sum of the non-federal and federal shares must equal the total project cost.

B. TOTAL PROJECT COST ESTIMATE:

6,523,650.00

Enter total cost formulated on HMGP
Cost Estimate Spreadsheet

ENTER \$ IN BOX ABOVE



**VERIFY ALL
AMOUNTS
ENTERED ARE
ACCURATE.**

**INCORRECT
AMOUNTS
WILL DELAY
PROCESSING
OF YOUR
SUBAPPLICATION.**

FEDERAL SHARE (75% MAXIMUM)	REQUESTED AMOUNT:	4,844,400.00
		ENTER \$ IN BOX ABOVE
	PERCENTAGE AMOUNT:	74.26%
		ENTER % IN BOX ABOVE
NON-FEDERAL SHARE (25% MINIMUM)	REQUESTED AMOUNT:	1,679,250.00
		ENTER \$ IN BOX ABOVE
	PERCENTAGE AMOUNT:	25.74%
		ENTER % IN BOX ABOVE

C. NON-FEDERAL MATCH SOURCE: MATCH COMMITMENT LETTER:

☒ Use the Local Match Commitment Letter Template to complete this section and add completed letter to the match section of the binder.

- A signed Match Commitment Letter must be provided on agency letterhead.
- The non-federal source of matching funds must be identified by name and type.
- If "other" is selected for funding type, provide a description.
- Provide the date of availability for all matching funds .
- Provide the date of the Funding Match Commitment Letter.
- The funds must be available at the time of submission unless prior approval has been received from Cal OES.
- If there is more than one non-federal funding source, provide the same information for each source on an attached document.
- Match funds must be in support of cost items listed in the cost estimate spreadsheet.
- Requirements for donated contributions can be found in 44 CFR 13.24.

BENEFIT/COST EFFECTIVENESS INFORMATION


17. BENEFIT/COST EFFECTIVENESS INFORMATION

A. BCA INSTRUCTIONS:

FEMA will only consider subapplications from subapplicants that use a FEMA-approved methodology to conduct the Benefit Cost Analysis (BCA). BCA must be legible, complete and well-documented.

- Project BCAs must demonstrate cost-effectiveness through a Benefit Cost Ratio (BCR) of 1.0 or greater.
- Projects with a BCR of less than 1.0 will not be considered for funding.
- Total project cost must be used in the BCA.
- Maintenance of a completed HMGP project is not an eligible reimbursement activity, but must be included in the BCA.

☒ BCA Version 5.3.0 is the only software that is allowed to conduct a BCA. Some project types may qualify for pre-calculated benefits. Additional information on the BCA Toolkit is available at: <https://www.fema.gov/benefit-cost-analysis>.

 The FEMA BCA Technical Assistance Helpline is available to provide assistance with FEMA's BCA software by calling 1-855-540-6744 or via email at BCHelpLine@FEMA.dhs.gov. The FEMA helpline is only to be utilized for technical assistance questions. The FEMA helpline will not verify the accuracy of your BCA.

B. BCA INFORMATION:

Once the BCA is completed, enter information requested below.

- | | |
|---|---|
| 1. NET PRESENT VALUE OF PROJECT BENEFITS: | <input type="text" value="\$12,933,161"/> |
| 2. TOTAL PROJECT COST ESTIMATE: | <input type="text" value="\$6,523,650"/> |
| 3. BENEFIT COST RATIO: | <input type="text" value="1.44"/> |

C. ANALYSIS TYPE:

- | | | | |
|--|--|---|-------------------------------------|
| <input type="checkbox"/> FLOOD | <input checked="" type="checkbox"/> WILDFIRE | <input type="checkbox"/> EXEMPT (5% PROJECTS) | <input type="checkbox"/> EARTHQUAKE |
| <input type="checkbox"/> HURRICANE WIND | <input type="checkbox"/> DROUGHT | <input type="checkbox"/> PRE-CALCULATED | <input type="checkbox"/> LANDSLIDE |
| <input type="checkbox"/> DAMAGE FREQUENCY ASSESSMENT (DFA) | | | |

- D. ANALYSIS DATE (date BCA was conducted):

E. PROVIDE BCA HARD AND SOFT COPIES IN FORMAT DESCRIBED BELOW:

- ☒ Copy the exported BCA in a .zip file format and add to the CD-RW.
- ☒ Provide a hard copy of the report in the BCA section of the binder.

MAINTENANCE ASSURANCE INFORMATION

18. PROJECT MAINTENANCE INFORMATION:

A. MAINTENANCE ASSURANCE LETTER:

- ☒ Using the Project Maintenance Letter Template, identify all maintenance activities required to preserve the long-term mitigation effectiveness of the project.
- Examples of maintenance include: inspection of the project, cleaning and grubbing, trash removal, replacement of worn out parts, etc.
 - Attach a maintenance schedule, estimated annual costs, and a signed maintenance commitment letter for the useful life of the project.

NATIONAL FLOOD INSURANCE PROGRAM (NFIP)

19. NFIP INFORMATION:



CONTACT YOUR COUNTY OR LOCAL FLOODPLAIN ADMINISTRATOR FOR NFIP INFORMATION.

A. NFIP PARTICIPATION:

1. Is the jurisdiction where the project is located participating in the NFIP? YES ☒ NO ☐
- a. If yes, are they in good standing? YES ☒ NO ☐
- b. If no, explain:

B. PROJECT LOCATION:

1. Is this project located in a floodplain or floodway designated on a FEMA Flood Insurance Rate Map (FIRM)? YES ☐ NO ☒
- ☐ a. Mark the project location on the FIRM and attach to subapplication in the maps section of the binder.
2. Provide the following information for the location of the project:
- a. FIRM panel number:
- b. FIRM zone designations:
- c. NFIP community ID number:

C. LAST COMMUNITY ASSISTANCE VISIT (CAV) DATE:

ENVIRONMENTAL INFORMATION

20. ENVIRONMENTAL INFORMATION:

A. FEMA ENVIRONMENTAL CHECKLIST:

- ☒ Complete the FEMA Site Information, Environmental Review, and Checklist and attach to the environmental section of the binder. Provide a detailed response to each question. Attach supporting documentation in compliance with FEMA's frontloading requirements.

PRINT THIS PAGE – ORIGINAL SIGNATURE IS REQUIRED

PROJECT CONDITIONS

Indicate by checking each box below that you will adhere to these listed project conditions.

- ☒ If during implementation of the project, ground-disturbing activities occur and artifacts or human remains are uncovered, all work will cease and FEMA, Cal OES, and the State Historic Preservation Officer (SHPO) will be notified.
- ☒ If deviations from the approved scope of work result in design changes, the need for additional ground disturbance, additional removal of vegetation, or will result in any other unanticipated changes to the physical environment, FEMA will be contacted and a re-evaluation under NEPA and other applicable environmental laws will be conducted.
- ☒ If wetlands or waters of the U.S. are encountered during implementation of the project, not previously identified during project review, all work will cease and FEMA will be notified.
- ☒ Due to the Federally mandated Environmental and Historic Preservation (EHP) review; no construction will occur for this project prior to FEMA and Cal OES approval.

AUTHORIZATION

The undersigned does hereby submit this subapplication for financial assistance in accordance with the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Grant Program (HMGP) and the State Hazard Mitigation Administrative Plan and certifies that the subapplicant (e.g., organization, city, or county) will fulfill all requirements of the program as contained in the program guidelines and that all information contained herein is true and correct to the best of our knowledge.

Subapplicant Authorized Agent

NAME: Steve Monaghan

TITLE: Director of Emergency Services

ORGANIZATION: County of Nevada

SIGNATURE: _____

DATE: June 26, 2018

HMGP Cost Estimate Spreadsheet

DATE	JURISDICTION NAME	DISASTER & PROJECT OR PLANNING #	PROJECT OR PLANNING TITLE
6/6/2018	County of Nevada	DR-4344-0190	Community Fire Mitigation Project

#	Item Name	Unit Quantity	Unit of Measure	Unit Cost	Cost Estimate Total
1	Phase I: Pre-Award Costs:	1	EA	\$ 5,000.00	\$ 5,000
2	Phase II: Year 1 - County of Nevada - Provide 150 Miles Roadway Vegetation Management	1	EA	\$ 1,380,000.00	\$ 1,380,000
3	Phase II: Year 1 - Truckee - Clear 17.5 Miles of Roadway & 3.5 Acres	1	EA	\$ 105,000.00	\$ 105,000
4	Phase II: Year 1 - Fire Council - Clear 1,200 Acres Around Homes, Evacuation Routes and WUI	1	EA	\$ 1,209,000.00	\$ 1,209,000
5	Phase II: Year 1 - Fire Council - Brush and Tree Removal for 72 Homes; 110 Acres	1	EA	\$ 220,000.00	\$ 220,000
6	Phase II: Year 1 - Fire Council - Provide For 12 Green Waste Drop Vegetation Collection Sites	1	EA	\$ 92,500.00	\$ 92,500
7	Phase II: Year 1 - Community Fire Mitigation Training Program Part 1 - Nevada County	1	EA	\$ 125,000.00	\$ 125,000
8	Phase II: Year 1 - Community Fire Mitigation Training Program Part 1 - Fire Safe Council	1	EA	\$ 25,000.00	\$ 25,000
9	Phase III: Year 2 - County of Nevada - Provide 150 Miles Roadway Vegetation Management	1	EA	\$ 1,380,000.00	\$ 1,380,000
10	Phase III: Year 2 - Fire Council - Clear 1,200 Acres Around Homes, Evacuation Routes and WUI	1	EA	\$ 1,209,000.00	\$ 1,209,000
11	Phase III: Year 2 - Fire Council - Brush and Tree Removal for 72 Homes; 110 Acres	1	EA	\$ 220,000.00	\$ 220,000
12	Phase III: Year 2 - Fire Council - Provide For 12 Green Waste Drop Vegetation Collection Sites	1	EA	\$ 92,500.00	\$ 92,500
13	Phase III: Year 2 - Community Fire Mitigation Training Program Part 2 - Nevada County	1	EA	\$ 125,000.00	\$ 125,000
14	Phase III: Year 2 - Community Fire Mitigation Training Program Part 2 - Fire Safe Council	1	EA	\$ 25,000.00	\$ 25,000
15	All Phases: Grant Management	1	EA	\$ 310,650.00	\$ 310,650
16					\$ -
17					\$ -
18					\$ -
19					\$ -
20					\$ -
21					\$ -
22					\$ -
23					\$ -
24					\$ -
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27					\$ -
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29					\$ -
30					\$ -
31					\$ -
32					\$ -
33					\$ -
34					\$ -
35					\$ -
36					\$ -
37					\$ -
38					\$ -
39					\$ -
40					\$ -
Total Project Cost Estimate:				\$	6,523,650



Information and General Services Department

Emergency Services

Mail: 950 Maidu Avenue
Nevada City, CA 95959
Location: 10014 North Bloomfield Rd
Nevada City, CA 95959
Phone: 530-265-1515
Fax: 530-265-7087

Information Systems
Geographic Information Systems
Facilities Management

Emergency Services
Central Services
Cable Television

Purchasing
Airport
Library

June 26, 2018

California Office of Emergency Services
Hazard Mitigation Grants Program Unit
3650 Schriever Avenue
Mather, CA 95655

RE: *Hazard Mitigation Grant - DR-4344-0190 – County of Nevada*

Dear State Hazard Mitigation Officer:

This is to confirm that the County of Nevada is committed to perform the necessary maintenance for the entire useful life of this project 2 years once completed. The Nevada County is allocating an annual budget of \$300,000 which will allow maintenance to occur as needed to ensure hazardous vegetation removal occurs on a regularly.

ENTITY RESPONSIBLE FOR MAINTENANCE:

County of Nevada

PAST MAINTENANCE TASKS INVOLVED:

Roadside Vegetation Removal, Partnership
with Fire Safe Council

FUTURE MAINTENANCE TASKS INVOLVED:

Roadside Vegetation Removal, Partnership
with Fire Safe Council

FUTURE MAINTENANCE SCHEDULE:

Annual

FUTURE COST OF MAINTENANCE:

\$300,000 per year

SOURCE OF FUTURE MAINTENANCE FUNDS:

Gas Tax, Measure F, Road Maint. Fund

Please contact John Gulserian by phone at (530) 265-1515 and by email at John.Gulserian@co.nevada.ca.us with questions.

Sincerely,

Steve Monaghan
Director of Emergency Services
County of Nevada
(530) 265-1515
Steve.Monaghan@co.nevada.ca.us



Information and General Services Department

Emergency Services

Mail: 950 Maidu Avenue
Nevada City, CA 95959
Location: 10014 North Bloomfield Rd
Nevada City, CA 95959
Phone: 530-265-1515
Fax: 530-265-7087

Information Systems
Geographic Information Systems
Facilities Management

Emergency Services
Central Services
Cable Television

Purchasing
Airport
Library

June 26, 2018

California Office of Emergency Services
Hazard Mitigation Grants Program Unit
3650 Schriever Avenue
Mather, CA 95655

RE: *Sub-application DR-4344-0190 Funding Match Commitment Letter*

Dear State Hazard Mitigation Officer:

As part of the Hazard Mitigation Grant Program process, a local funding match of at least 25% is required. This letter serves as Nevada County's commitment to meet the local match fund requirements for the Hazard Mitigation Grant Program.

SOURCE OF NON-FEDERAL FUNDS:

LOCAL AGENCY FUNDING	OTHER AGENCY FUNDING	PRIVATE NON-PROFIT FUNDING	STATE AGENCY FUNDING
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NAME OF FUNDING SOURCE:

General Fund, OES Budget, Gas Tax & Measure F

FUNDS AVAILABILITY DATE:

10/28/2018

PROVIDE EXACT MONTH/DATE/YEAR OF AVAILABILITY OF FUNDS

FEDERAL SHARE AMOUNT REQUESTED:

\$4,844,400.00

MUST MATCH \$ AMOUNT PROVIDED IN SUBAPPLICATION

LOCAL SHARE AMOUNT MATCH:

\$1,679,250.00

MUST EQUAL A MINIMUM OF THE 25% FEDERAL SHARE REQUESTED

FUNDING TYPE:

Administration, Labor, Personnel, Volunteer, Cash

EXAMPLES: ADMINISTRATION, CASH, CONSULTING FEES, ENGINEERING FEES, FORCE ACCOUNT LABOR, AGENCY PERSONNEL, PROGRAM INCOME, ETC.

Please contact John Gulserian by phone at (530) 265-1515 and by email at John.Gulserian@co.nevada.ca.us with questions.

Sincerely,

Steve Monaghan
Director of Emergency Services
County of Nevada
(530) 265-1515
Steve.Monaghan@co.nevada.ca.us

Subrecipient Assurances

Hazard Mitigation Grants

Note: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact California Governor's Office of Emergency Services (Cal OES). Further, certain federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the state, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with federal assistance funds to assure nondiscrimination during the useful life of the project.
4. Will comply with the requirements of the assistance-awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or state.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gains.
8. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§ 4801 et seq.), which prohibits the use of lead based paint in construction or rehabilitation of residence structures.

9. Will comply with all federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§ 1681-1683 and 1685-1686) which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794) which prohibit discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§ 6101-6107) which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 93-255) as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616) as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§ 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. § 3601 et seq.), as amended, relating to nondiscrimination in the sale rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for federal assistance is being made, and (j) the requirements on any other nondiscrimination statute(s) which may apply to the application.
10. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provides for fair and equitable treatment of persons displaced or whose property is acquired as a result of federal and federally assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of federal participation in purchases.
11. Will comply with the flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$5,000 or more.
12. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.O. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved state management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§ 1451 et seq.); (f) conformity of federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. § 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended, (P.L. 93-523); and (h) protection of endangered species under the Endangered Species Act of 1973, as amended, (P.O. 93-205).
13. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§ 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

14. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and preservation of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
15. Will comply with Standardized Emergency Management (SEMS) requirements as stated in the California Emergency Services Act, Government Code, Chapter 7 of Division 1 of Title 2, Section 8607.1(e) and CCR Title 19, Sections 2445, 2446, 2447 and 2448.
16. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act of 1984 and the Single Audit Act Amendments of 1996.
17. Will comply with all applicable requirements of all other federal laws, Executive Orders, regulations and policies governing this program.
18. Has requested through the State of California, federal financial assistance to be used to perform eligible work approved in the subgrantee application for federal assistance. Will, after the receipt of federal financial assistance, through the State of California, agree to the following:
 - a. The state warrant covering federal financial assistance will be deposited in a special and separate account, and will be used to pay only eligible costs for projects described above;
 - b. To return to the State of California such part of the funds so reimbursed pursuant to the above numbered application, which are excess to the approved actual expenditures as accepted by final audit of the federal or state government.
 - c. In the event the approved amount of the above numbered project application is reduced, the reimbursement applicable to the amount of the reduction will be promptly refunded to the State of California.
19. Will not make any award or permit any award (subgrant or contract) to any party which is debarred or suspended or is otherwise excluded from or ineligible for participation in Federal assistance programs under Executive Order 12549 and 12689, "Debarment and Suspension."

The undersigned represents that he/she is authorized by the above named subgrantee to enter into this agreement for and on behalf of said subgrantee.

The undersigned represents that he/she is authorized by the subgrantee to enter into this agreement for and on behalf of the said subgrantee.

Steve Monahan
Name of Authorized Applicant's Agent

Director of Emergency Services
Title

Signature of Authorized Applicant's Agent

Date

Authorization

I Steve Monaghan, do hereby certify as the authorized representative of County of Nevada, that the information contained in this application is true and correct.

Director of Emergency Services

Title

Signature

Date