




AGENDA ITEM NO.
D-14

COUNTY OF HUMBOLDT

For the meeting of: October 18, 2016

Date: September 22, 2016

To: Board of Supervisors

From:  Thomas K. Mattson, Public Works Director

Subject: United States Forest Service Funds to Support the Continuation of the Fire-Adapted Landscapes and Safe Homes Program and Supplemental Budget. Supplemental Budgets require 4/5 vote.

RECOMMENDATION(S):

That the Board of Supervisors:

1. Review a staff report and associated supporting documents regarding funding provided by the United States Forest Service ("USFS"), intended to support the continuation of the Fire-Adapted Landscapes and Safe Homes ("FLASH") Program;
2. Authorize the Public Works Director, or a designee thereof, to execute a standard agreement and any other documents necessary to participate in the grant program, including, without limitation, professional services agreements to assist with the implementation of this program, after review and approval by County Counsel and Risk Management; and
3. Direct the Humboldt County Auditor-Controller to supplement the following budget (4/5 vote required):

Revenue: 1720289-505105	USFS Clearinghouse Grant Fire	\$60,000
Expense: 1720289- 3114	USFS Clearinghouse Grant Fire	\$60,000

Prepared by Cybell Immitt

CAO Approval Karen Clower

REVIEW:	Auditor <u>he</u>	County Counsel <u>js</u>	Personnel _____	Risk Manager _____	Other _____
---------	-------------------	--------------------------	-----------------	--------------------	-------------

TYPE OF ITEM:

Consent

Departmental

Public Hearing

Other _____

BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT

Upon motion of Supervisor Fennell

Seconded by Supervisor BASS

And unanimously carried by those members present,

The Board hereby adopts the recommended action

Contained in this report.

PREVIOUS ACTION/REFERRAL:

Board Order No. E-4; C-4, C-13

Meeting of: February 10, 2009, December 13, 2011, January 21, 2014

Dated: October 18, 2016

Kathy Hayes, Clerk of the Board

By: Bob Abbott

SOURCE OF FUNDING:

Funding is provided by a State Fire Assistance grant, awarded by the USFS Cooperative Fire Program through the Fire Safe California Grants Clearinghouse.

DISCUSSION:

In April of 2016, the County of Humboldt, by and through its Department of Public Works – Natural Resources Planning, submitted an application to the Fire Safe California Grants Clearinghouse. In August of 2016, the County's application was selected for funding by the USFS State Fire Assistance program (Attachment #1). Staff is now requesting that the Board authorize the Public Works Director to administer the award of \$127,800 to fund the continuation of the Humboldt County FLASH Program. These federal funds are made available for hazardous fuels reduction projects in high-hazard wildland-urban-interface areas. The County of Humboldt was awarded grants from this program in 2010, 2012 and 2014 for the first, second, and third phases of the FLASH Program. So far, more than 750 acres have been treated under the FLASH Program to reduce wildfire hazards in Humboldt County. Hundreds of property owners have directly benefited from the FLASH Program, and many more have received secondary benefits from having projects in their neighborhoods and an increased awareness of wildfire hazard mitigation techniques.

This current round of funding will support the continuation of the cost-share program, helping local property owners to thin wildfire prone vegetation, making homes and forests less vulnerable to damage from wildfire (Attachment #2). The program will provide incentives to property owners to implement recommendations from the Humboldt County Community Wildfire Protection Plan, local Fire Safe Council ("FSC") fire plans and the Humboldt Operational Area Hazard Mitigation Plan to mitigate wildfire hazards through fuels management. This will be done by creating defensible space within and beyond their home ignition zones and strategic fuel breaks along escape routes and high-risk areas on their property. The FLASH Program will fund fuels treatment on 115 acres of land and will continue to serve as a model cost-share fuels reduction program.

FINANCIAL IMPACT:

The recommended actions will not impact the County General Fund. Accepting this grant will bring \$127,800 of federal funding into Humboldt County to support continued work to reduce the vulnerability of our rural communities to damage from wildfire. The recommended supplemental budget for the 2016-2017 fiscal year will increase appropriations in the Public Works budget for the USFS Clearinghouse Grant Program by \$60,000 (revenue account 1720289-505105). This is the portion of the total award expected to be spent in the 2016-2017 fiscal year.

Federal grant funds will be matched by \$136,300 of in-kind contributions from local partners and the County of Humboldt. The \$5,000 grant match commitment from the County is already budgeted for in the approved fiscal year 2016-2017 Natural Resources-Planning budget, Title III Fund 3675 (1720289-505010). This County match will support the Firewise components of the Program. Additional cost matches have also been committed from the following organizations: \$90,420 from local Fire Safe Councils (in-kind match from staff and volunteers as well as the land-owner share of cost for fire hazard reduction work); \$39,380 from the California Department of Forestry and Fire Protection ("CAL FIRE"); and \$1,500 from University of California Cooperative Extension.

The services provided through this project will advance three of the County's core roles (provide for and maintain infrastructure, create opportunities for improved safety and health, and protect vulnerable populations).

OTHER AGENCY INVOLVEMENT:

The Humboldt County FSC, University of California Cooperative Extension, CAL FIRE, Mattole Restoration Council, Mid-Klamath Watershed Council, Eel River Salmon Restoration Project and the Lower Mattole, Orleans-Somes Bar, Southern Humboldt and Van Duzen Watershed FSCs.

ALTERNATIVES TO STAFF RECOMMENDATIONS:

The Board of Supervisors may choose not to accept these grant funds. However, this is not recommended because of the community fire safety benefits that will be gained from continuing the grant funded FLASH Program.

ATTACHMENTS:

- Attachment 1: California Fire Safe Council 2016 Grant Award Announcements
- Attachment 2: California Fire Safe Council Grants Clearinghouse Proposal



2016 Grants Clearinghouse Competitive Grants Program Report

AUGUST 10, 2016

2016 HIGHLIGHTS

20 PROJECTS
20 COUNTIES
4,921 ACRES

**GRANT DOLLARS
PROVIDED:
\$2,149,999**

**PROJECT MATCH
COMMITTED:
\$2,735,874**

California Fire Safe Council

502 W. Route 66, Suite 18
Glendora, CA 91740

501 (c)3 Nonprofit Corporation

For more information:

Stephen Gort
Executive Director
Sgort@cafiresafecouncil.org
(707) 815-3586

California Fire Safe Council Announces Support to Help Communities Prevent Wildfire

2016 PROJECT SELECTION ANNOUNCEMENT

California Fire Safe Council (CFSC) is pleased to announce the selection of 20 projects for funding under its 2016 Grants Clearinghouse. CFSC will provide over \$2.1 million in federal grant funds to support wildfire risk reduction activities in at-risk communities in 20 counties across California.

The selected projects help California communities respond to the growing concern over catastrophic wildfire and exemplify efforts to create fire adapted communities. Through subgrants from CFSC, these projects provide support to implement fuel reduction projects such as community chipper programs, fuel breaks, and roadside and defensible space projects. These projects will also utilize educational tools to spread the Fire Safe message and engage community members.

Funding for the 2016 Grants Clearinghouse is provided through master grants to CFSC by the Cooperative Fire Program of the U.S. Forest Service (USFS), Department of Agriculture, Pacific Southwest Region. These State Fire Assistance (SFA) grants provide \$2,150,000 for subgrants to support:

- ◆ Hazardous fuels reduction and maintenance projects on non-federal land
- ◆ Community Wildfire Protection Plans and other plans or assessments
- ◆ Prevention and mitigation education and outreach opportunities.

In addition to the federal funds, the projects will utilize over \$2.5 million in matching funds, both in-kind and cash contributions. This generous support demonstrates the value of collaboration and partnerships among agencies and organizations to create Fire Adapted Communities.

Congratulations to the Fire Safe Councils, resource conservation districts, fire protection agencies, and other organizations whose projects were selected for funding! Special thanks to USFS for supporting these vital projects!

For more information on California Fire Safe Council's Grants Clearinghouse, please visit www.cafiresafecouncil.org.



2016 GRANTS CLEARINGHOUSE SUMMARY

Project Selection Statistics

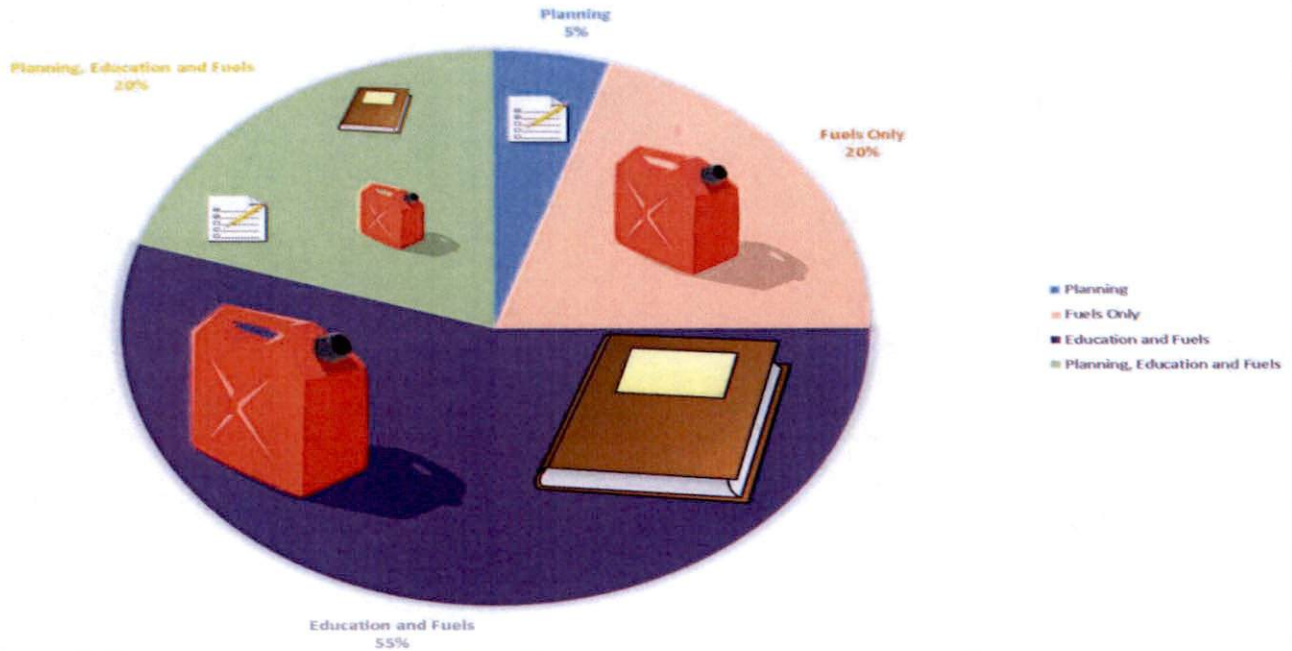
2016 Grant Cycle	Applications	Selected Projects
Number of Projects	53	20
Value of Funding Requested	\$5,557,038	\$2,149,999
Value of Match Commitments	\$6,570,315	\$2,735,874
Acres of Fuel Treatment	65,197	4,921
Number of Counties	32	20

ANNUAL CYCLE COMPARISONS	2016	2015
Percentage of Projects selected:	37%	40%
Average Application Amount	\$105,773	\$109,685
Average Grant Amount (preliminary):	\$107,500	\$134,343



Project Statistics

PROJECT TYPES



Organization Types

- Non Profit
- Home/Property Owners Association
- Non-Federal Agency: County
- Non-Federal Agency: Fire Department
- Other: RCD/Special District





Selected Projects

16 USFS-SFA

BUTTE

Yankee Hill Fire Safe Council

"Concow Hazardous Fuel Removal- Concow Lake"

Funded Amount : \$152,844 Match Amount: \$154,417

EL DORADO

El Dorado Fire Safe Council

"Logtown East Side Fuel Break (LT-10)"

Funded Amount : \$99,831 Match Amount: \$106,114

Auburn Lake Trails Fire Safety & Improvement Council

"American River Canyon Perimeter Shaded Fuel Break Continuation & Tree Mortality Mitigation"

Funded Amount : \$130,250 Match Amount: \$194,075

FRESNO

Sierra Resource Conservation District

"Fresno County Community Wildfire Protection Plans"

Funded Amount : \$40,000 Match Amount: \$40,000

HUMBOLDT

County of Humboldt

"Fire-Adapted Landscapes and Safe Homes 2016"

Funded Amount : \$127,800 Match Amount: \$136,300

HUMBOLDT & SISKIYOU

Mid Klamath Watershed Council

"2016 Klamath River Prescribed Fire Training Exchange (TRES)"

Funded Amount : \$200,000 Match Amount: \$241,825

LASSEN, MODOC AND SHASTA

Day Lassen Bench Fire Safe Council

"Day Lassen Bench WUI Fuel Treatments & Firewise Activities"

Funded Amount : \$113,500 Match Amount: \$113,763

MADERA

Cascadel Woods Property Owners Association

"Cascadel Woods Fuel Reduction"

Funded Amount : \$50,000 Match Amount: \$50,000

MARIN

Homestead Valley Firewise Committee

"HVLV FireWise 2016"

Funded Amount : \$94,275 Match Amount: \$124,666

MONTEREY

Carmel Views Community Association

"Carmel Views Fire Fuel Abatement Program, Phase 2"

Funded Amount : \$49,988 Match Amount: \$79,313

PLACER

Northstar Fire Department

"2016 Northstar Fuels Reduction Project"

Funded Amount : \$18,750 Match Amount: \$22,406

PLUMAS

Plumas County Fire Safe Council

"Plumas Fire Safe Council Senior/Disabled Hazardous Fuels Reduction Assistance Program"

Funded Amount : \$51,700 Match Amount: \$51,700



Selected Projects

(Continued)

16 USFS-SFA

RIVERSIDE

Mountain Communities Fire Safe Council

"Prepared Mountain Communities"

Funded Amount : \$200,000 Match Amount: \$200,000

SAN DIEGO

FireSafe Council of San Diego County/RCD of Greater San Diego County

"Fuel Reduction & Fire Prevention in SD County"

Funded Amount : \$200,000 Match Amount: \$438,516

Urban Corps of San Diego County

"Upper Otay Lake Fuel Reduction"

Funded Amount : \$57,764 Match Amount: \$66,617

SAN MATEO

Fire Safe San Mateo County

"Woodside Road-Skywood Acres Shaded Fuel Break"

Funded Amount : \$107,662 Match Amount: \$162,746

SANTA CLARA

Santa Clara FireSafe Council

"Santa Clara County Regional Education & Fuel Reduction"

Funded Amount : \$182,204 Match Amount: \$234,020

SISKIYOU

Lake Shastina Property Owners Association

"Lake Shastina POA Hazardous Fuel Reduction and Community Protection Program"

Funded Amount : \$52,952 Match Amount: \$59,270

TRINITY

Trinity County Resource Conservation District

"2016 Trinity County CWPP Implementation Phase 1"

Funded Amount : \$113,929 Match Amount: \$114,050

VENTURA

Ojai Fire Safe Council

"Wildfire Protection and Education for Schools in the WUI"

Funded Amount : \$106,550 Match Amount: \$168,122



Regional Disbursement





Powered by ZoomGrants™

California Fire Safe Council

2016 SFA Grants Clearinghouse Program
4/22/2016 deadline

Attachment 2:

California Fire Safe Council Grants Clearinghouse Proposal

County of Humboldt

Fire-Adapted Landscapes and Safe Homes 2016

USD\$ 127,800 Requested
USD\$ 136,300 Match Amount

Project Contact
Cybelle Immitt
cimmitt@co.humboldt.ca.us
Tel: 7072679542

Additional Contacts
Renee Fleek Business Manager (707) 282-
2683 RFleek@co.humboldt.ca.us

County of Humboldt

1106 Second St.
Eureka, CA 95519

n/a
n/a n/a
cimmitt@co.humboldt.ca.us

Telephone 7072679542
Fax 7074457409
Web humboldt.gov.org and
humboldt.gov.org/firesafecouncil

Organization Information TAB 2

Some answers will not be presented because they are not part of the selected group of questions based on the answer to #7.

1. Type of Organization: Select the appropriate entity. Use the space after the "Other" checkbox to specify the IRS section and IRS number (for nonprofits), type of government agency (for government agencies) or describe an entity not listed.
Organizations must be incorporated to do business in California and have a Federal Employer Identification Number/Federal Tax Identification Number (FEIN/FTIN). A fiscal sponsor must be identified if the organization does not meet this requirement.

- Nonprofit organization - Please specify which IRS section and provide the IRS number in the "Explain" box, below
- Home/Property Owners Association
- Native American Tribe
- Non-Federal Government Agency- Please specify which agency in the "Explain" box, below
- For Profit Company
- Other - Please specify your unique type or use this box to provide details for the other options above, explain: County

2. Enter your organization's Data Universal Numbering System (DUNS) Number:
Provide the applicant organization's DUNS number. The applicant and/or fiscal sponsor must have a DUNS number to apply for a Clearinghouse grant. For information on obtaining a DUNS number, go to <http://fedgov.dnb.com/webform>.
969001564

3. Enter your organization's Commercial and Government Entity (CAGE) Code and Expiration Date.
The applicant and/or fiscal sponsor must be registered with the US Department of General Service's System for Award

Management (SAM) program which issues CAGE codes for contractors and grantees. To register, go to: <http://www.sam.gov>.

6RPX4 CAGE Code

02/04/2017 Expiration Date (mm/dd/yyyy)

0.00 TOTAL

Organizational Capacity

4. When was your organization formed or incorporated? Enter the date and the year of the organization's formation. CFSC has a legal responsibility to its federal grantors to make grants to organizations that demonstrate the ability to effectively manage grant funds and projects from start to finish.

The County of Humboldt was incorporated on May 12, 1853.

5. Describe the roles and responsibilities of key staff, board members, and volunteers.

Describe how the organization is staffed (contractors, employees, or volunteer). Describe the roles of board members. Even if the organization is mostly or all volunteer, provide a clear explanation of the positions within the organization.

The Humboldt County Board of Supervisors is comprised of five, full-time members. The Board enacts legislation governing Humboldt County and determines overall policies for County departments. The Board recognized that community based fire planning efforts assist residents in making their homes, neighborhoods, and communities fire safe and created the Humboldt County Fire Safe Council (HCFSC) in 2002. The Board appoints HCFSC members to oversee the maintenance and implementation of the Humboldt County Community Wildfire Protection Plan (CWPP).

The mission of the HCFSC is to: serve as a forum for the implementation of Humboldt County's Community Wildfire Protection Plan (CWPP), share fire-safety information, assess fire risk, promote community fire-safe planning and coordination, link fire-prevention programs, and support the fire service and local fire safe councils (FSC). The HCFSC membership consists of 16 individuals representing federal, state, and local fire service agencies and organizations, along with volunteers from five local FSCs, the Humboldt County Fire Chiefs' Association, the Hoopa tribe, and the insurance industry. All members have a role and interest in community wildfire preparedness and/or wildfire management. Service on the HCFSC is not monetarily compensated. Some members volunteer their time and others participate in the capacity of their paid employment.

To ensure implementation of the recommendations of the County CWPP, HCFSC members actively serve on various subcommittees focusing on the following topics: (1) Helping Firefighters Help You; (2) Ensuring Adequate Water Supplies for Fighting Fire; (3) Firewise Communities; (4) Managing Hazardous Fuels; (5) Maintaining Air Quality; and (6) Planning for Safe Evacuation. The proposed project is consistent with the goals of subcommittees one, three, and four.

The activities of the HCFSC are supported by County staff from the Department of Public Works, Natural Resources Planning Division. With authorization from the Board and guidance and assistance provided by the HCFSC, County staff will fill the administrative and project management role for this project. A senior planner will be responsible for the bulk of the work associated with the project with support from an administrative analyst and the Public Works Business Manager. The senior planner who will manage the proposed project is a Humboldt County native who grew up in a rural community working for a small family owned sustainable forestry company. She earned a degree in Forestry Management and a Masters in Social Science under the "Environment and Community" program which emphasized working with communities to exist compatibly with nature. This background has served her well over the past ten years of working with the HCFSC and her skills and commitment will ensure successful implementation of the proposed project.

Contractors will be hired to implement the proposed project in the field. In the past the County has hired local FSCs or their sponsoring non-profit organizations to implement projects. These organizations are uniquely qualified to deliver outreach and fuels reduction programs within their own rural, sometimes remote communities where the need for privacy can sometimes hinder property-owner involvement. Contractors are trusted members of their communities and the past partnerships with the County have been fruitful.

6. Describe 2 major accomplishments achieved through federal grants and 2 major accomplishments achieved through non-federally funded grants.

Indicate source(s) of funding, amount(s) and year(s) received, and if applicable, CFSC grant number(s).

The first major accomplishment was funded by a 2009 USDA Forest Service State Fire Assistance grant through the California Fire Safe Council (CFSC) Grants Clearinghouse (09UFFS-SFA 0236). The project was called the "Countywide Fuels Reduction Coordination Program" and was supported by \$24,655 of grant funds. These federal funds supported data gathering and community outreach that resulted in the sponsorship of a regional fire safe council conference and an update to the County CWPP. The CWPP was produced in document form and the associated data was uploaded into an interactive GIS web portal where it can be accessed on-line (<http://gis.co.humboldt.ca.us/Freeance/Client/PublicAccess1/index.html?appconfig=fp5>).

The second major accomplishment has been the development and implementation of a hazardous fuels reduction cost-share program. This program has been supported by three Forest Service State Fire Assistance grants through the CFSC Grants Clearinghouse (10USFS-ES507 in 2010 for \$300,000; 12USFS-SFA0074 in 2012 for \$195,000; and 14SFA0079 in 2014 for \$200,000). The program is called "Fire-Adapted Landscapes and Safe Homes" or "FLASH". Implementation of the FLASH Program has resulted in over 680 acres of hazardous fuels reduction on residential properties, as well as over 200 home wildfire risk assessments in the wildland-urban interface, and over 570 site visits conducted by FLASH field technicians to recommend and monitor prescription recommendations. The establishment of 3 new Firewise communities has also been supported by these funds. This program has been collaboratively designed, implemented, and fine-tuned by the County of Humboldt, the HCFSC, local FSCs, CAL FIRE, University of California Cooperative Extension, and participating property owners.

County special project grant funding has also been used to a accomplish multiple wildfire mitigation goals. Two major

accomplishments supported by these funds are the Humboldt County Firewise Program and the publication of a Firewise educational magazine called "Living with Wildfire in Northwestern California". The Firewise program has resulted in 10 communities receiving and annually maintaining national Firewise recognition. Over the past three years, the County of Humboldt has awarded over \$100,000 to communities for their Firewise Projects and supported the program with approximately \$50,000 for County staff admin and support. Funded activities included preparing Firewise recognition applications, conducting community wildfire risk assessments, drafting wildfire mitigation action plans, hosting hazardous fuels reduction trainings, conducting community chipper days, holding Firewise Days, improving defensible space for the elderly or alter-abled, establishing fuels reduction demonstration sites, and producing educational materials such as newsletters, brochures, home risk assessments, and display cases. The Firewise grant program has been administered and implemented by County Public Works staff with guidance from the Humboldt County Fire Safe Council.

The Living with Wildfire publication was collaboratively developed by the County of Humboldt, CAL FIRE, and Six Rivers National Forest. The primary purpose of the publication was to help reduce human-caused wildfires, increase homeowner participation in efforts to create wildfire-resilient communities and increase visitor awareness of fire safety and prevention. Rural residents who live in high to very high fire hazard severity areas can use this publication to make improvements to mitigate potential damage from wildfire and prepare for evacuation. Thousands of copies were distributed throughout the county and the publication can be found on the web (<http://humboldt.gov/DocumentCenter/View/51675>). Innumerable hours of state and federal staff time went into the creation of the Living with Wildfire publication and the County invested approximately \$10,000 into the effort.

Fiscal Sponsor Information

7. Does the applicant organization have a fiscal sponsor? (If your organization does not meet the requirements listed under #1, you must identify a fiscal sponsor that has legal standing and can act as financial administrator in questions #8-15.)

The applicant organization and the fiscal sponsor will decide on the fiscal sponsor's role and memorialize the arrangement in a formal agreement. The agreement must be signed by both parties and submitted with this application.

- Yes, the applicant organization has a fiscal sponsor.
- No, the applicant organization does not need a fiscal sponsor.

8. Fiscal Sponsor Contact. Provide the name, title, email address and phone number of the primary contact for the Fiscal Sponsor Organization and administrative contact information if different from the primary contact.
-answer not presented because of the answer to #7-

9. Fiscal Sponsor Organization Type: Select the appropriate entity. Use the space after the "Other" checkbox to specify the IRS section and IRS number (for nonprofits), type of government agency (for government agencies) or describe an entity not listed
-answer not presented because of the answer to #7-

10. Enter the fiscal sponsor's data universal numbering system (DUNS) number.
-answer not presented because of the answer to #7-

11. Enter the fiscal sponsor's Commercial and Government Entity (CAGE) code and expiration date.
-answer not presented because of the answer to #7-

Fiscal Sponsor Capacity

12. When was the Fiscal Sponsor Organization formed or incorporated? Enter the date and the year of the fiscal sponsor's formation.
-answer not presented because of the answer to #7-

13. Describe the roles and responsibilities of key staff, board members, and volunteers.
-answer not presented because of the answer to #7-

14. Describe 2 major accomplishments achieved through federal grants and 2 major accomplishments achieved through non-federally funded grants.
-answer not presented because of the answer to #7-

15. Services provided by the fiscal sponsor. Check all that apply.
-answer not presented because of the answer to #7-

Project Information TAB 3

Some answers will not be presented because they are not part of the selected group of questions based on the answer to #1.

Project Description

1. Type of Project

- Education only
- Fuel Treatment only
- Planning only
- Education and Fuel Treatment
- Education and Planning
- Fuel Treatment and Planning
- Education, Fuel Treatment, and Planning

2. If this is an ongoing or maintenance project, identify the name and the grant number of the project under which the earlier parts of the project were funded.

If this is not an ongoing or maintenance project, type "N/A".

The County is currently implementing the "Humboldt County Fire-Adapted landscapes and Safe Homes" project (14SFA0079). Continuing this project will help us reach more county residents with fuels reduction support, education and Firewise planning.

3. Describe the wildfire problem and how it will reduce wildfire risk in the project area.

Provide information about the fire history, current risks and hazards, and number of homes/residents. When describing the project include the project size and location, collaborators roles and responsibilities, and fuel removal methods. Be specific. Humboldt County is located in a fire-dependent environment; fire has played a prominent role in shaping the natural environment here. Wildfire will happen. Exclusion of wildfire is not an option. The proposed project will help residents prepare for that eventuality and prevent damage to their households and property.

Fire has been a significant factor in Humboldt County's history. Evidence of this can be seen in the fire scars on ancient redwoods, some dating back more than a thousand years. Despite the generally damp climate prevailing in these forests, studies have suggested an historical fire return interval of 50 to 100 years in the northern part of the county, and 12 to 50 years in the south.

The county also has many wildfire ignition sources with a prevalence of homes sprinkled throughout wildland-urban interface (WUI) areas, power lines crisscrossing the county and an extensive network of well-traveled rural roads. Lightning fire ignitions occur frequently, especially in the northeastern area of the county. This past fire season, Humboldt County experienced a severe lightning storm that started numerous fires, some of which became very large.

Humboldt County exhibits extreme diversity in its potential for destructive wildfire, ranging in severity classification from nil to very high, based on the wildfire hazard severity zone map. In State Responsibility Area (SRA), lands, the map generally reflects that "Moderate" ratings are in valley bottom areas, which are generally urban or agricultural. "High" ratings are generally located on the western portions of Humboldt, where the fuel potential is high but the climate is damp. The "Very High" ratings are generally in the drier, eastern portions of the county, or in very steep terrain, such as found along the Lost Coast. Ninety-five percent (95%) of the county is rated as a High or Very High fire hazard severity.

Humboldt County offers beautiful pastoral landscapes that have attracted thousands of people to settle and build homesteads. Unfortunately, many people live in the high and very high wildfire hazard severity zones described above. The buildup of flammable vegetation has increased the potential for higher fire intensities and loss of life and property. Many residents are unaware of their vulnerability to damage from wildfire. Even when awareness is increased, many property owners do not have the resources or the expertise to address the problem. There is a critical need for programs that raise wildfire danger awareness and incentivize actions to address hazards in an effective way. If the wildfire threat is not addressed, Humboldt will become increasingly vulnerable to losses from wildfire. With no action, the complexity of fighting fires where homes are intermixed in the wildlands will continue to challenge the efforts and safety of firefighters. This will threaten valuable community resources and increase wildfire management costs during a time of shrinking budgets.

We believe that providing funds to continue the FLASH program will effectively address the issues raised above. FLASH has been developed into an exceptionally effective program by a large group of fire professionals with extensive backgrounds in fuels management, forestry, fire safe home construction, and wildland fire fighting. There is no better way to give as many individuals real experience in wildfire hazard reduction that will have the lasting impact of knowledge gained through hands-on experience.

FLASH shares the cost of managing hazardous fuels with local property owners who live within the WUI. This is a countywide project that focuses on properties within high and very high fire hazard severity within the SRA, which encompasses approximately 1,621,040 acres of land in the county. The goal of the project is to treat at least 115 acres within the county to protect lives, homes and property. These acres will be made up of at least 27 individual property owners doing the work themselves or hiring it out under the guidance of field technicians and then receiving a rebate if the work is done to the standards of the program. Overall grant administration and program oversight will be provided by the Humboldt County Natural Resources Planning Division with guidance from the HCFSC, UC Cooperative Extension, and CAL FIRE. Local fire safe councils collaborate with the County to identify potential participants and, in some cases, contract with the County to implement the project within their areas of service.

In addition to continued support for FLASH, this project will result in recognition of two new Firewise Communities. Gaining and maintaining Firewise recognition will help residents better understand their level of risk to wildfire and what they, as individuals and as a community, can do about it. Going through the Firewise process is a good antidote for both apathy and the feeling of helplessness some residents have.

4. Describe the prescription for treatment and indicate the title of individual(s) who planned the prescription. Indicate the specific methods by which the wildfire problem will be addressed and include acres treated. Indicate the title of the individual(s) who developed the prescription, their affiliated organization/agency, and relevant credentials. Treatment prescriptions will vary depending on fuel and site conditions. The overall objective is that flammable vegetation will be strategically reduced to create a condition that avoids the spread of fire to other vegetation or to structures. Vertical space will be created between trees and shrubs to break up ladder fuels that could support the movement of fire into the crowns of trees. Depending on slope and severity of fire danger, branches of trees must be pruned to a height of six to 15 feet from the top of vegetation below (or the lower 1/3 of branches for smaller trees). Horizontal spacing will also be created to slow down the spread of fire on the ground from plant to plant (from 10 feet between trees on a flat slope to 30 feet or more on slopes greater than 40%).

The vegetation treatment prescription was created based on consultations with our CAL FIRE, University of California Cooperative Extension (UC Extension), and local practitioner partners. The UC Extension Forest Advisor (a registered professional forester or RPF) and the CAL FIRE SRA Forester (also a RPF) will be helping to prepare and provide a project kick-off orientation designed to train the contract field technicians in how to communicate the desired vegetation prescription treatment to property owners and how to ensure that participants are meeting the standards of the program. Preparing for the orientation will allow us to review our past recommended prescription and make any adjustments based on current science.

The primary objective of this project is for at least 27 property owners living in the WUI to treat at least 115 acres of hazardous wildfire fuels. This will be accomplished by providing funding that partially reimburses landowners' investments in conducting fuels reduction activities on their property with the aim of preventing wildfire losses. Landowners are accountable for carrying out fuel treatment prescriptions per the recommendations of field technicians, which empowers them to take responsibility for their own fire safety.

Once the work has been completed the field technician will conduct a final site visit to document that project objectives were met. If the work is completed to specifications, the landowner will be reimbursed at a per acre rate appropriate to the site (a higher rate for higher fuel loads/heavier workload). If demand outpaces available reimbursement funding, priority will be given to senior citizens and the disabled (documentation of age and/or disability will be required). Based on experience, it is initially difficult to overcome apathy and lack of risk awareness so that landowners are willing to cover their large share of cost. This can make it challenging to recruit participation but once risk is understood, a solution is recommended, and the partial reimbursement incentive is provided, people are usually eager to participate.

CAL FIRE inmate crews will be used to treat a portion of the target acres under this project. The crews will work under the supervision of CAL FIRE employees who are knowledgeable about the FLASH program's prescription requirements. These crews will provide labor for FLASH participants where the work imparts a particular public benefit. For example, work will be conducted to reduce hazardous fuels along lengths of road that provide access to a large number of residents or on a property which is in a condition that creates a particular wildfire hazard for a nearby neighborhood or community. In addition, FLASH residential participants will receive the support and expertise from our CAL FIRE Pre-Fire Planning representatives. We feel fortunate to have active participation from CAL FIRE both on the HCFSC as well as in our smaller rural FSCs.

Sustainability

5. How will the project reduce wildfire hazards in the project area?

Describe the specific outcomes of the project and indicators of success.

The desired outcome for this project is for property owners to learn to manage wildfire-prone hazardous fuels and reduce their vulnerability to loss of life and property and to help two communities gain national Firewise recognition. The minimum number of acres that could be treated under this project is 115. That is a conservative estimate and based on the highest possible reimbursement rate; the final number of acres will likely be higher. In addition, at least 27 home risk assessments and over 40 site visits will be conducted which will serve to educate property-owners about how to manage hazardous fuels and harden their homes against damage from wildfire.

The work done through this project confers a public benefit as well as a private one. Many Humboldt communities are isolated and rural in nature. Homes as well as community infrastructure are embedded within the WUI in such a way that one structural ignition could cause a chain reaction that ignites several more. By reducing the ignition potential on individual properties, the threat of wildfires spreading into the greater community is also reduced. Preventing house fires from spreading into wildlands as readily, can also reduce the federal and state costs of wildfire suppression, and provides for firefighter safety when protecting homes from wildfires. The actions taken by landowners to manage flammable vegetation and conduct Firewise activities will reduce the likelihood of a wildfire spreading into their home ignition zone or impeding their safe evacuation. Well-managed vegetation will decrease wildfire intensity, making it less likely to ignite structures and other Firewise actions will decrease the potential destructive impacts of embers. The program will also support landowners' ability to exceed state vegetation clearance requirements and could improve their chances of getting or retaining fire insurance.

Here is a specific example indicating the success of the FLASH program which we would like replicate in the future. Several residents who own land adjacent to a main access road for a rural neighborhood signed up for FLASH together. Over the last three years they have been conducting fuels reduction to address hazardous areas along their road with the support of the FLASH program. This effort was spearheaded by a particularly active neighbor who facilitated the participation of the others. Based on what she learned through participating in FLASH, she organized a local crew to do most of the work and this crew has continued on to complete additional work not associated with FLASH. Her interest was also sparked by the possibility of maintaining fuel breaks with prescribed fire which inspired her to get trained and certified in planning and conducting controlled burns. She has prepared her land and is working with the Northern California Prescribed Fire Council to host a training burn. This year, our partner CAL FIRE inmate crews were enlisted to complete the last few sections of road that posed an evacuation hazard and ignition risk to the neighborhood. This is exactly what we hope participation in our project will lead to and we will be actively working to cultivate more community sparkplugs and collaborative opportunities like the ones in this example.

One of our contractors described the success of the FLASH program as akin to the bloom of a mushroom colony. She stated that

"the more people see the FLASH ideas implemented on their neighbor's properties, the more requests we receive to be involved in the program. Add to the fire safety of the actual properties the increasing threats from wildfire due to drought and mega fires and the interest in this incredible program spreads like mycelia--an underground and connected network of ideas and activities. People who live in these rural areas love the independence that the FLASH program allows while appreciating the expertise that FLASH technicians offer." It is because of feedback like this that the County wishes to secure more funding for FLASH above any other type of wildfire preparedness project.

6. How will this project be maintained after the grant is complete?

Describe methods to continue fuels maintenance or education/planning projects after grant funds are spent. Indicate collaborators and sources of funds used to maintain the project.

The landowner bears the responsibility for project maintenance. A commitment to maintain their project is made when the participation agreement is signed. In addition, participating landowners have a vested interest in maintaining their projects because of their substantial cost-share investment. The initial cost of thinning hazardous fuels is much higher than the cost of maintenance, so participating in the program will get property owners in a good position to independently maintain their hazardous fuels reduction projects. Also, where appropriate, treatments will be designed to maintain enough shade to discourage the vigorous growth of understory vegetation, thus decreasing the cost of maintenance. We have seen, from experience, that when the initial work is incentivized and the landowner learns how to address the problem or even just acknowledges that there is a problem, they are motivated to maintain their project. This is one of the main points of the program; increase understanding about how and why to take responsibility for addressing vulnerabilities to the impacts from wildfire and then provide tools to reduce risk.

The educational component of these projects is usually quite high, with discussions about which trees to remove, how high to prune, slash disposal, the best tools to use, home fire safety, etc. Even if a crew is hired to do the work, landowners often help get it done. Several of the local fuels reduction practitioners hired by FLASH participants are also very good teachers. We also believe that our collaboration with the UC Extension will help property-owners take advantage of the ongoing services provided out of their Humboldt-Del Norte office. In particular, the new Fire Adviser position will be brought to the attention of FLASH participants for future assistance and resources. Under the guidance of this Adviser, the use of prescribed fire will also be explored as a maintenance tool.

7. Describe what outreach efforts will be undertaken to engage the broader public in your project.

Describe the types of activities or materials this project that will be utilized to engage community members, fire jurisdictions and elected officials in the planning process.

The project will be promoted through a local media campaign including announcements on the radio and at fire chiefs' association meetings, and fire safe council meetings and events. News releases and public service announcements will also be used. There are several local community radio stations that would be happy to host call in shows during which we can feature satisfied recipients of the program. A standard flyer will be made and widely distributed through local community bulletin boards, social networks, email list-serves, and website postings. Local and county fire safe council members, elected officials (such as the Humboldt County Board of Supervisors) and fire department representatives will be counted on to spread the word widely through their contacts and promote the program in their respective areas of the County. Some of our smaller rural FSCs have been effective in promoting the FLASH program through newsletters and other publications and will continue to do so. Word-of-mouth has also been a very effective means of raising awareness about the program, particularly in tight-knit, remote communities, and will also be encouraged.

8. Describe how the plan will motivate the community to investing (e.g., effort, funding, etc.) in making itself Fire Safe after the grant term ends.

Please be specific and realistic. What type of community capacity will be developed to sustain this project in the long-term? What change do you anticipate will result in the community?

One of the biggest lasting benefits of this project is the seeding effect of having demonstration projects scattered countywide in all types of locations and conditions. The first phases of this program seeded Humboldt County with hundreds of these demonstration projects. Humboldt County is very large and there are still many areas that have not yet benefited from the FLASH program. These projects will have a lasting impact and help us spread the message of fire safety and Firewise landscaping to more residents living in high risk areas.

Organizations within our County have received grants to conduct hazardous fuels reduction projects before but, for the most part, this work was fully funded by the program. FLASH is different primarily because of its cost share nature. Landowners who contribute 40 to 70% of the cost of the work have made a significant investment in the safety of their homesteads. It will be less likely for them to let that investment go to waste by neglecting the maintenance necessary for keeping their property healthy and safe.

Many of the participating landowners have become enthusiastic fire hazard reduction advocates, eager to share their new skills and knowledge with neighbors (many of whom have joined the program) and their local communities. The level of enthusiasm to maintain and expand upon project work has been high, often including spending money to have additional work done. Many participants expressed that, before participating in the program, they had been daunted by the work and were unsure of exactly what to do. It was noted that seeing it done on their property or doing the work themselves under the guidance of the program, was much more educational than reading about it in a brochure. In this regard, the training received by landowners in wildfire hazard reduction techniques will have a lasting impact. These lasting benefits will continue to grow as the program is continued and new landowners participate.

One of the benefits that one rural FSC reported was the development of local fuels reduction crews in two existing Firewise communities. Having local crews trained to work on neighbors' properties has increased participation and enthusiasm. Neighbors proudly share their expertise and care while interacting with each other about the seriousness of creating fire-resilient communities.

This project's goal of helping to form two new Firewise communities will also build capacity and have lasting benefits for participating residents. Sustained community involvement is essential to the Firewise program and building capacity is one of the

desired outcomes. In addition, as part of the Firewise recognition process, communities must invest \$2.00 annually per capita in Firewise activities. This project will identify communities that are interested in building their capacity to address their wildfire risk and willing to invest in fire safety efforts. We will help lay the foundation that will then be carried on by the Firewise community.

9. Will your project generate program income and how will it be used/spent to further the project during the term of the grant? Enter the dollar value of program income that will be generated? (General donations are not considered Program Income).

Program Income is funding that is earned as a result of the project such as making and selling bird houses from manzanita bushes. This income is required to be used to further the objectives of the grant during the grant term.

This project will not generate program income

Planning Document Applicability

10. Explain how the proposed project advances the three main goals of the National Cohesive Wildland Fire Management Strategy ("Cohesive Strategy").

Refer to the three goals of the Cohesive Strategy: (A) Restore & Maintain Resilient Landscapes, (B) Fire Adapted Communities and (C) Wildfire Response. Review the latest report on the Cohesive Strategy: <http://1.usa.gov/R6cOoE>.

Restore and Maintain Landscapes: The risk to landscapes is diminished through our project by breaking up the continuity of flammable vegetation with fuels reduction projects, thus decreasing wildfire intensity. Vegetation management on residential properties intermixed with the wildlands will decrease the risk of home and roadside ignitions growing into wildfires that could damage the landscape. In addition, should a wildfire come from public lands, treating the home ignition zone will decrease the risk to property loss.

Fire Adapted Communities: This project will greatly increase the likelihood of our communities withstanding wildfire without loss of life or property. This will be accomplished by incentivizing the treatment of hazardous vegetation in and around home ignition zones and along access routes and by giving landowners and communities tools to take responsibility to prepare their property and harden their homes for wildfire through the home risk assessment provided by FLASH Technicians and by helping them participate in the national Firewise program. Global climate change and the current drought have greatly increased the potential for catastrophic wildfires, as evidenced by the last fire season. Under such extreme fire conditions local CAL FIRE resources are often drawn down to work on large fires in other areas. The need for an informed and prepared rural citizenry creating fire adapted communities has never been greater.

Wildfire Response: Fuels reduction projects in and around home ignition zones and along roads will provide for firefighter safety and safe access for firefighting apparatus. Communities that go through the process to receive Firewise recognition will be provided with assistance and information that will result in actions intended to aid wildfire response. Hardening homes and preparing for wildfire will allow firefighters to focus less on residences and more on addressing the wildfire itself.

11. Is the area covered by the proposed project located within a priority landscape, as articulated in the State of California's Forest Action Plan? (Launch the Priority Mapper at <http://frap.fire.ca.gov/assessment/2010/mapper.php> to determine priority.)

The California Forest Action Plan, also known the 2010 California Forest and Rangelands Assessment and Strategy Reports, identifies landscapes of medium and high priority for preventing wildfire threats in 46 of California's 56 counties.

Yes

No

12. Indicate how the proposed project will link to the three themes of the California Forest Action Plan: Conserve, Protect, Enhance.

Review the strategies at <http://frap.fire.ca.gov/assessment/2010/assessment2010.php>. Select the appropriate strategy(ies) then explain in the next question how the project utilizes the strategy(ies) to implement project goals.

Conserve: a) Support comprehensive planning at the statewide and regional scales that is coordinated with wildlife habitat conservation efforts.

Conserve: b) Maintain and improve the capacity of wood products and range industries.

Conserve: c) Increase the capacity to provide incentives to forest and range landowners.

Protect: a) Reduce the occurrence of damaging wildfires and reduce life, property and natural resource losses through the implementation of effective and efficient fire prevention programs and activities.

Protect: b) Protect life and property from wildfire through efficient and effective fire protection planning and suppression, financial management, and firefighter/public safety strategies.

Protect: c) Reduce the impacts of wildfire on ecosystem health, public safety and private property through appropriate scientific, research, education and training.

Enhance: a) Promote formation of Local Fire Safe Councils for priority communities.

Enhance: b) Promote participation in the National Firewise/USA Program.

Enhance: c) Sustain healthy forest ecosystems to maintain California's unique biodiversity.

13. Explain how the project utilizes the California Forest Action Plan strategy(ies) selected above to implement project goals.

Conserve: c) Increase the capacity to provide incentives to forest and range landowners.

Much of the property targeted for treatment under this project is zoned for timber production. Many potential participants are non-industrial timber producers who are struggling to restore the health of their forests. Due to historic logging practices, natural fire regime suppression, and a general lack of forest management, there has been an increase in fuel loading, creating the perfect condition for high intensity, potentially stand-replacing wildfires. Mitigating these hazards and restoring a healthier, more resilient forest is expensive. This project provides an incentive through a rebate that partially reimburses landowners for fuels treatments on their property. Thinning trees will also increase forest health and potential economic gain if the landowner chooses to harvest timber in the future. The prospect of economic benefit, the reduction of wildfire hazards near their homes and roads, and the County sharing the cost of treatment will all provide a strong incentive for landowners to participate in the program and manage their forests for productivity and wildfire resiliency.

Protect: a) Reduce the occurrence of damaging wildfires and reduce life, property and natural resource losses through the implementation of effective and efficient fire prevention programs and activities.

We believe the fuels reduction work that will be accomplished under this program will greatly contribute to reducing the occurrence of damaging wildfires. Breaking up the density and continuity of flammable vegetation will reduce the intensity of wildfires as they encounter project sites, making them less damaging. Lower intensity wildfires will contribute to reducing losses of life, property and natural resources. The education received through the home risk assessments associated with fuels reduction prescriptions and the Firewise activities encouraged by this project will also contribute to reducing the loss of life, property and natural resources.

Enhance: b) Promote participation in the National Firewise/USA Program.

Our project explicitly promotes participation in the Firewise program. We intend to guide at least 2 communities through the process of becoming recognized as Firewise. Our project will support the necessary steps in the recognition process, including: assisting with a community assessment and the development of an action plan, support for a local Firewise Day event, and the submission of a Firewise application. The hazardous fuels reduction work completed by property owners will be documented as successful Firewise modifications. This documentation will be incorporated into community assessments and demonstrate that positive steps are being made to mitigate wildfire hazards. In addition, work completed in any of our six already recognized Firewise communities will be documented in their annual renewal paperwork. This will help those communities maintain their Firewise status.

14. Identify the type of planing document that covers the project area. To find out if the area is covered in an existing Community Wildfire Protection Plan or equivalent plan, contact the local fire department, local government or local forester.

Links to some CWPPs are available on the Wildland Fire Lessons Learned Center at: <http://bit.ly/1uDfoQJ>. Please use the box to describe other plans or indicate why no planning document exists (e.g lack of funding, unaware of need for plan).

- Community Wildfire Protection Plan (CWPP)
- Cal Fire Unit Plan
- DMA 2000
- Other - please explain:

15. Please provide the exact title of the CWPP or equivalent plan and the contact information for the plan, including a web address if the plan is posted online.

Provide name, address and email for the main contact for the plan.

This project represents implementation of the Humboldt County Community Wildfire Protection Plan (CWPP). The main contact for the CWPP is Cybelle Immitt, Humboldt County Senior Planner and support staff for the Humboldt County Fire Safe Council (cimmitt@co.humboldt.ca.us or (707) 267-9542). The plan can be found at: <http://humboldt.gov.org/762/Humboldt-County-Community-Wildfire-Prote>

16. Identify the status of the plan and when the plan was last updated. Indicate whether the project is approved, the date /year of approval and the agency/organization that provided the approval. If the plan is in process, indicate date it was started

Enter the date and/or year. If the plan has not been updated or revised in more than 4 years, explain the reason(s) for the delay. All signatures were secured certifying the plan as a CWPP on May 28, 2013. We consider this a five year plan and an update will begin in 2017.

17. What is the priority of the proposed project in the plan identified in the questions above, and on what page of the plan is it addressed?

Please indicate the plan type (CWPP, DMA 2000, or other), priority in plan, and page number where the project is addressed.

FLASH is specifically mentioned on pages III-7 and III-8. Firewise actions are recommended on page III-9. The proposed project represents implementation of priority actions in the Humboldt County CWPP. The CWPP prioritizes action plan topics on page III-1 and this project achieves the goals of the top four priority actions. Priority one is to "Enhancing Fire Protection: Helping Firefighters Protect the Community". Hardening homes and maintaining defensible space and vegetation on access roads helps firefighters better protect the community and improves their level of safety. Priority two is to "Encouraging and Implementing Defensible Space throughout Humboldt County". The FLASH program provides guidance and incentives for implementing defensible space. Priority three is to "Creating Fire-Safe Communities: Empowering Residents to Take Responsibility". Both FLASH and the Firewise program help to create fire-safe communities and empower residents. Priority four is to "Promoting Fire-Safe Education". Education is provided through the FLASH home risk assessments and sight visits and will be provided as part of the Firewise recognition process.

18. Does the CWPP or equivalent plan define the boundaries of the Wildland Urban Interface (WUI)?

If YES, indicate if the project is located in this WUI? If NO, indicate if the project is located in a Cal Fire Hazard Severity Zone in the next question.

The Humboldt County CWPP does not specify WUI boundaries. However, Humboldt is a rural county with significant WUI characteristics throughout and the project outreach will target residents living in rural areas that interface with the wildlands.

19. Identify the Fire Hazard Severity Zone (FHSZ) of the project area..

Check the appropriate box(es). Find the fire hazard severity zone at:

http://www.fire.ca.gov/fire_prevention/fire_prevention_wildland_zones.php

- Very High Severity Zone
- High Severity Zone
- Moderate Severity Zone

20. List up to 3 of the closest Communities at Risk that are within the boundaries, or within 3 miles, of the project area.

For a list of designated Communities at Risk in California, go to: http://cdfdata.fire.ca.gov/fire_er/fpp_planning_car.

Briceland, Bridgeville and Orleans

21. List communities, other than Communities at Risk, that are within the boundaries, or within 3 miles, of the project area.

Enter the names of communities that are in or within 3 miles of the project area.

Redwood Valley, Titlow Hill

22. List Firewise Communities that are within the boundaries, or within 3 miles, of the project area.

Enter the names of official Firewise Communities that in or within 3 miles of the project area. For a list of Firewise Communities in California, please visit: http://submissions.nfpa.org/firewise/fw_communities_list.php.

Honeydew, Petrolia, Bridgeville, Upper Jacoby Creek, Willow Creek, Orleans, Shelter Cove, Redwood Valley/Chezem, Kneeland, and Hydesville

23. List communities that will be directly affected by the project's Prevention and Education Programs

Enter the names of communities, including Communities at Risk and Firewise Communities.

All Communities in the County of Humboldt with homes in the wildland urban interface will be targeted, including: Alderpoint, Benbow, Blocksburg, Briceland, Bridgeville, Carlotta, Ettersburg, Friday/Morton Ranch, Fruitland, Garberville, Honeydew, Hoopa, K

24. List communities that will be directly affected by the project's Hazardous Fuel Reduction Programs

Enter the names of communities, including Communities at Risk and Firewise Communities.

All Communities in the County of Humboldt with homes in the wildland urban interface will be targeted, including: Alderpoint, Benbow, Blocksburg, Briceland, Bridgeville, Carlotta, Ettersburg, Friday/Morton Ranch, Fruitland, Garberville, Honeydew, Hoopa, K

25. List communities that will be directly affected by the project's Fire Management Plans, Risk Assessments or equivalents.

Enter the names of communities, including Communities at Risk and Firewise Communities.

The following communities will be targeted fire Firewise Community Risk Assessments: Weitchpec, Hoopa, Briceland, Alderpoint, Ettersburg, and Fruitland.

26. Enter the number of people who will be contacted by the project's deliverables. Consider the number of people who will be contacted about the project through meetings, educational mailings, email lists, homeowner participation, etc.

Research the population of the project area and the outreach planned for the project. Keep track of how you calculated this figure.

If funded, applicant will report this number quarterly in the progress report. CFSC is required to report these data.

Including direct FLASH participants, indirectly beneficiaries, Firewise community participants, and those who receive educational information; we estimate that 2,000 people will be contacted by the project's deliverables.

27. Estimate how many people will be employed with this project.

Include estimates for both applicant and fiscal sponsor, if applicable.

Salaried employees

Contractors

13.00 TOTAL

28. Identify the Condition Class and Fire Regime

Check the appropriate box(es). Find your project's condition class at: <http://www.frcc.gov> or at CDF

<http://frap.cdf.ca.gov/data/frapgismaps/select.asp>. Find your project's fire regime(s) at: <http://www.frcc.gov>.

- Condition Class 1
- Condition Class 2
- Condition Class 3
- Fire Regime I
- Fire Regime II
- Fire Regime III

- Fire Regime IV
- Fire Regime V

Project Location

29. Enter the latitude and longitude of the approximate geographic center of the area covered by the planning document.

If the plan covers a large area, select a point that best represents the center of the planning area. Latitude and longitude can be found at <http://touchmap.com/latlong.html>

40.80075 N Latitude

-124.16301 Longitude

-124.16 TOTAL

30. Is the area impacted by your project at risk from fire originating on federal land? Your answer to this question will determine your response to the subsequent question.

Contact your local fire agency if you are not sure about your adjacency federal land. Remember that no portion of the project may be on federal land, including per

- Yes
- No

31. If yes, indicate which agency(ies) own/manage the land, and identify which field office, park, forest, etc. (indicated in parentheses) is nearest to the project area. If no, type N/A. Contact local agency representatives or consult a map for info.

USD: Bureau of Indian Affairs, Bureau of Land Management (field office), Bureau of Reclamation, National Park Service (park, monument, or recreational area), U.S. Fish & Wildlife Service (refuge); USDA Forest Service (forest); Military Installation Bureau of Land Management: Arcata. National Park Service: Redwood National Park. USDA Forest Service: Six Rivers National Forest.

32. How far is the planning area from federal lands?

- 0-3 miles
- More than 3 miles

33. Enter the District number for the project location. Enter N/A in the boxes that do not apply.

Find Congressional, State Senate and Assembly District numbers for California at <http://www.calvoter.org/voter/maps>.

1 California Congressional District number(s)

Nevada Congressional District number(s) (District 2 only)

1 California State Senate District number(s)

Nevada State Senate District number(s) (Districts 3 and 4 only)

1 California State Assembly/House District number(s)

Nevada State Assembly/House District number(s) (District numbers 26 and 39 only)

3.00 TOTAL

34. Enter which county(ies) in California or Nevada your project will take place?

If you are proposing to work in multiple counties, select the county in which the majority of work will be performed. If the work will be divided equally across county lines, then select more than one county.

The proposed project will take place in the County of Humboldt.

Fuels Treatment

35. If the project is for fuels treatments, enter the total acreage of the project's footprint.

The footprint of the project is the area where planned treatment(s) will occur on the ground. It does not include access and egress of the project.

The minimum number of acres to be treated under this project is 115, made up of work done throughout the county by at least 27 different property owners.

36. How many fuels treatment projects will be completed with this grant? Enter the number of fuels treatment projects and describe how this estimate was calculated.

Projects should be counted by a reasonable method based on different types of projects included in this grant application. The method used should be described in detail in your answer.

If the work completed by each landowner participant on their own property is counted as an individual project, there will be at least 27 projects. If all landowners qualified for and requested the maximum amount of reimbursement, then we will have funding to support 27 participants. There will likely be landowners who 19 not go for the maximum amount, resulting in more participants.

However, we cannot be sure, so we are including a conservative estimate based on the minimum possible participants/projects.

37. Indicate any biological, environmental or cultural reviews or assessments that have been completed for the project area.

If yes, indicate which statute or other environmental regulation were the studies/assessments completed for:

- California Environmental Quality Act (CEQA)
- National Environmental Policy Act (NEPA)
- Endangered Species Act (ESA)
- California Endangered Species Act (CESA)
- Migratory Bird Treaty Act (MBTA)
- National Historic Preservation Act (NHPA)
- None or N/A
- For when and by whom, please explain:

38. What is the percent of dominant vegetation type at treatment site?

Enter the percent of the dominant type of vegetation in the project area. If you select "other," also indicate the type of vegetation. Type "N/A" in a box if that vegetation type is not prevalent at the treatment site.

% Chaparral

80 % Open or closed canopy mixed conifer forest

% Ponderosa

10 % Douglas Fir

% Pine Plantation

10 % Oak Woodland

% Other, please explain:

100.00 TOTAL

39. Which vegetation is to be treated/modified?

- Chaparral
- Open or closed canopy mixed conifer forest
- Ponderosa
- Douglas Fir
- Pine Plantation
- Oak Woodland
- Other:

40. Describe the treatment to be implemented.

Portions of the forest and shrub understory will be selectively thinned and trimmed. The largest, most fire resilient and healthiest trees adapted to the location will be retaining. Brush created from the treatment will be burned, chipped, and/or masticated. In some cases browsing may be the treatment used. The results of the treatment will be to separate surface and ladder fuel continuity and volume.

41. Describe the equipment to be used.

Chainsaws, pole saws, clippers, chippers, mowers, and weed-wackers will be used to treat hazardous vegetation.

42. Describe the personnel/vendor to be used and how they will be used.

The project areas will be treated by landowners on their own land and the grant will partially reimburse them at a set rate per acre. The landowner will do the work themselves or hire a crew or secure a CAL FIRE crew to do the work. When and how the property owners does this work will depend on weather conditions (sometimes too wet to work or too hot and dry to burn piles) and environmental and habitat conditions such as nesting seasons for specific species.

43. Describe the pre and post-treatment site.

Within the project area (county-wide), the absence of natural fire events due to massive fire suppression efforts over recent decades, compounded by historic logging and land-management practices as well as urban and suburban development, has led to an increase in the density and type of live vegetation. This situation has also led to an increase in the size, amount, and distribution of dead fuel within the county. As a result, forests and shrub-lands are more crowded, trees are unable to retain their vigor, and are more vulnerable to insects, disease, and stand-destroying fires. Homes that are intermixed in this environment are very vulnerable to loss during a wildfire.

After the treatment, the remaining vegetative communities will be less susceptible to crown fire (ladder fuels will be removed and

dead ground fuels will be reduced). Wildfire suppression efforts will be safer and more effective and community values will be less vulnerable to damage as a result of reduced fuel loads in the vicinity of roads, homes, and other important areas. An environment conducive to reintroducing low intensity (cool burning) fire will also be created in some areas.

44. Will the project generate biomass, small logs of merchantable volume or a marketable product? (Biomass is any plant material removed from the site.)

Enter the estimated volume of biomass produced in the box next to the appropriate type of biomass. For more detailed instructions, see the Calculating Biomass Volume resource in the Library tab.

	Saw logs (cubic board ft.)
	Chips (green ton)
	Post and poles (lineal ft.)
	Fuel wood (fuel for cogeneration plant)
	Firewood (cords)
	Other
0.00 TOTAL	

45. Will the biomass product be utilized?

- Yes
- No

46. If yes, please describe how the biomass product will be used.
If it will not be used, type "N/A".
-no answer-

47. Have you filled in the reporting columns in ALL 4 tables in the Tables tab?

- Yes I have

Tables TAB 4

48. Work Plan

Task Number	Sequential Task/Activity	Timeframe	Responsible Party	Expected Outcome/Result
1	Pre-project environmental review as needed	3-24 months	County Senior Planner, CAL FIRE, and Landowners	Environmental review requirements met
2	Contracting for project implementation	1-3 months	County Senior Planner	Contracts executed with appropriate organizations to implement the FLASH project in the field throughout the County.
3	Project kick off: Provide an orientation for Program Field Technicians to ensure consistency in fuels reduction prescription recommendations, Home Risk Assessments, and Firewise activity support.	1-3 months	County Senior Planner, CAL FIRE, UC Cooperative Extension, Contractors	One workshop will take place and at least 8 Field Technicians will be trained
4	Outreach to perspective landowners throughout the county: Make contact with perspective landowners. Includes outreach to landowners through Program publicity. Conduct landowner visits, assess fire hazards, take photographs of the area before treatment, suggest or contract work crews as needed, map treatment areas, and recommend hazardous fuels treatment prescription.	1-22 months	Contractors and County Senior Planner	Site visits and home risk assessments conducted, hazardous vegetation clearance recommendations made, treatment area mapped, before pictures taken, and participation paperwork signed for at least 27 landowners
5	Distribute Firewise materials to landowners participating in the Program and encourage them to be catalyst for ₂₁ eir	Continuous (1-24)	County Senior	Firewise materials provided to at least 40

	community to become Firewise. Conduct community assessments and draft Firewise action plans for at least 2 communities. Support at least 2 community Firewise days. Successfully submit necessary paperwork to assist 2 communities to gain national Firewise recognition.	months	Planner, CAL FIRE, UC Cooperative Extension, Contractors	Humboldt County landowners. Two completed community risk assessments, Firewise action plans, and Firewise day events. Two new Firewise communities recognized in Humboldt County.
6	Verify fuels reduction work and reimburse landowners: Once the landowner's work is completed, inspect to ensure quality and sign off if acceptable. Landowners may do the work themselves, hire a contractor or secure the services of CAL FIRE crews. Take "after photos" and provide funds to reimburse landowners for fuels reduction work completed to specifications.	4-24 months	Contractors monitoring the work of landowners, contractors, and CAL FIRE	At least 27 property owners will successfully participate in the program by collectively treating 105 acres of hazardous fuels around homes and along access routes to the standards of the Program.
7	Coordinate CAL FIRE crew work and ensure it is completed.	4-24 months	CAL FIRE and County Senior Planner	All CAL FIRE crew work is completed (approximately 9 acres) in appropriate locations and to the standards of the Program.
8	Project Invoicing and Reporting: Preparation and submittal of quarterly progress reports, grant closeout report and survey. Processing of contactor invoices, submitting payment requests and tracking match.	On-going months	County Senior Planner with support from Administrative Analyst and Business Manager	All required reports and tracking records are completed and submitted on time and to the satisfaction of the California Fire Safe Council Grant Manager. CD of "before and after" photos and all required program documentation.
9		months		
10		months		
Total		0 months		

49. Project Deliverables

Project Deliverables	Quantity Projected	Federal Cost Projected	Match Cost Projected
Community Risk Assessment Wildfire Planning			
Community Risk Assessment	2	\$ 2,590	\$ 4,750
Community Wildfire Protection Plan		\$	\$
Fire Management Plan		\$	\$
Planning Subtotal	2	\$ 2,590	\$ 4,750
	2	\$ 2,590	\$ 4,750
Information/Education			
Outreach/Education Programs	1	\$ 17,987	\$ 5,483
Education/Information Products		\$	\$
Information/Education Subtotal	1	\$ 17,987	\$ 5,483
	1	\$ 17,987	\$ 5,483
Fuels Treatment			
Preparation for Treatment	115	\$ 33,723	\$ 13,987
Preparation for Treatment Subtotal	115	\$ 33,723	\$ 13,987
Mechanical Treatment			
...Biomass removal	16	\$ 4,000	\$ 10,500
...Chipping		\$	\$
...Crushing		\$	\$
...Hand pile	22	\$ 6,000	\$ 1,200

...Seeding		\$	\$
...Lop and scatter	30	\$ 6,000	\$ 16,000
...Machine pile		\$	\$
...Mastication/Mowing		\$	\$
...Thinning	115	\$ 51,500	\$ 73,880
...Thinning - Tree felling and removal		\$	\$
Mechanical Treatment Subtotal	218	\$ 67,500	\$ 101,580
Prescribed Fire			
...Broadcast burn	7	\$ 800	\$ 1,500
...Fire use		\$	\$
...Hand pile burn	57	\$ 5,000	\$ 8,500
...Jackpot burn		\$	\$
...Machine pile burn		\$	\$
Prescribed Fire Subtotal	64	\$ 5,800	\$ 10,000
Other Treatment			
...Chemical		\$	\$
...Biological		\$	\$
...Browsing	5	\$ 200	\$ 500
Other Treatment Subtotal	5	\$ 200	\$ 500
Fuels Treatment Subtotal	402	\$ 107,223	\$ 126,067
Mechanized Treatment with By-Products Utilized		\$	\$
Total	405	\$ 127,800	\$ 136,300

50. Budget Detail

Cost Categories	Federal - Grant Funds	Applicant	Other Partners	Total
a. Personnel				
County of Humboldt Staff and approximate hours and rate - Senior Planner (\$77/hr. for 319 hrs.), Administrative Analyst (\$30/hr. for 14 hrs.), Business Manager (\$92/hr. for 10 hrs.) up to \$25,900 for program administration and support and Firewise outreach and assessments.	\$ 25,900	\$ 5,000	\$	\$ 30,900
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Personnel Total	\$ 25,900	\$ 5,000	\$ 0	\$ 30,900
b. Fringe Benefits				
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Fringe Benefits Total	\$ 0	\$ 0	\$ 0	\$ 0
c. Travel				
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$

	\$	\$	\$	\$
Travel Total	\$ 0	\$ 0	\$ 0	\$ 0
d. Equipment (Items >\$5,000/unit – see guidelines)				
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Equipment Total	\$ 0	\$ 0	\$ 0	\$ 0
e. Supplies				
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Supplies Total	\$ 0	\$ 0	\$ 0	\$ 0
f. Contractual				
Implementation Contractors - Administration and implementation grant and match = \$35,620 (staff time @ av. rate of \$30/hr., volunteer time @ rate of \$23.07/hr. and facility use, utilities, supplies, and travel). Vegetation clearing grant and match = 150,700	\$ 95,900	\$	\$ 90,420	\$ 186,320
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Contractual Total	\$ 95,900	\$ 0	\$ 90,420	\$ 186,320
g. Other				
UC Cooperative Extension: approximately 25 hours at a rate of \$59/hour for technical support and program implementation up to \$1,500	\$	\$	\$ 1,500	\$ 1,500
CAL FIRE - approximately 70 hours at a rate of \$50/hour for technical support of program up to \$3,500	\$	\$	\$ 3,500	\$ 3,500
CAL FIRE will be providing one crew to conduct fuels reduction work in appropriate locations at an in-kind match value of \$35,880 (\$1,495.00 per crew-day for 24 days). Crews will be paid on a per day basis up to \$6,000 (Twenty-four days of work times \$200/day = \$4,800 + \$1,200 for miscellaneous expenses)	\$ 6,000	\$	\$ 35,880	\$ 41,880
	\$	\$	\$	\$
Other Total	\$ 6,000	\$ 0	\$ 40,880	\$ 46,880
h. Total Direct Costs				
	\$ 127,800	\$ 5,000	\$ 131,300	\$ 264,100
i. Modified Total Direct Costs				
	\$	\$	\$	\$ 0
j. Indirect Costs				
	\$	\$	\$	\$ 0
Total	\$ 127,800	\$ 5,000	\$ 131,300	\$ 264,100

51. Match Amount By All Organizations

Name of Match Contributor (Organization, agency, or person)	Cost Category(ies)	Type of Match	Amount (\$)
1 APPLICANT: County of Humboldt	Personnel	In-Kind	\$ 5,000
2 Van Duzen Watershed FSC and Southern Humboldt FSC	Contractual	In-Kind	\$ 56,100
3 University of California Cooperative Extension and CAL FIRE	Contractual	In-Kind	\$ 40,880

4 The Mattole Restoration Council	Contractual	In-Kind	\$ 27,720
5 Mid-Klamath Watershed Council	Contractual	In-Kind	\$ 6,600
Total		0	\$ 136,300

Documents TAB 5

Documents Requested *	Required?	Attached Documents *
Letters of Commitment: Submit letters of commitment (LOC) from all organizations providing matching contribution to the project, including the applicant and fiscal sponsor.	✓	FLASH 2016 Letters of Commitment
Letters of Commitment Cover Letter	✓	FLASH 2016 Cover Letter
Fiscal Sponsor Agreement Letter (If Applicable)		
Project Vicinity Map	✓	FLASH2016MAP
Approved Indirect Cost Rate Agreement (If Applicable)		

* ZoomGrants™ is not responsible for the content of uploaded documents.

Application ID: 56513

Become a [fan of ZoomGrants™](#) on Facebook
 Problems? Contact us at Questions@ZoomGrants.com
 ©2002-2016 GrantAnalyst.com. All rights reserved.
 *ZoomGrants™ and the ZoomGrants logo are trademarks of GrantAnalyst.com, LLC.
[Logout](#) | [Browser](#)