



California Fire Safe Council

21 USFS-SFA Grant Program

Deadline: 6/15/2021

County of Humboldt
CWPP Phase III, Part II: Fire-Adapted Landscapes and Safe Homes Project

Jump to: Organization Information Project Information Tables Document Upload

\$ 180,300.00 Requested
\$ 182,500 Match Amount

Submitted: 6/15/2021 12:32:57 PM (Pacific)

Project Contact

Julia Cavalli
cimmitt@co.humboldt.ca.us
Tel: 7072961498

Additional Contacts

jcavalli1@co.humboldt.ca.us

County of Humboldt

1106 Second St.
Eureka, CA 95501

Natural Resources Planning
Manager

Cybelle Immitt
cimmitt@co.humboldt.ca.us

Telephone 7072679542
Fax 7074457409
Web humboldt.gov.org and
humboldt.gov.org/firesafecouncil
EIN 94-6000513
DUNS 969001564
(N)CAGE 6RPX4
SAM Expires 5/1/2021

Organization Information top

1. Applicant Organization Type: Select the appropriate organization type. Use the space after the 'Other' checkbox to specify the IRS section (for non-profits), 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
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 of Humboldt

2. Enter Applicant Organization's Commercial and Government Entity (CAGE) code and expiration date, and DUNS number. For information on obtaining a DUNS number, go to http://fedgov.dnb.com/webform.

For information on obtaining a DUNS number, go to http://fedgov.dnb.com/webform. If the Applicant organization does not have a DUNS number and CAGE code they cannot be a direct grantee. They must then utilize the services of a Fiscal Sponsor.

6RPX4 CAGE Code

04/23/2022 Expiration Date (mm/dd/yyyy)

969001564 DUNS Number

969,001,564.00 **TOTAL**

3. Applicant Organization Contact Information: List the key individuals (including Board members) of the Applicant Organization that will be involved in this project. Identify a) Name and title, b) Role and responsibilities, c) Whether they are paid (indicate employee or consultant) or volunteer

With authorization from the Humboldt County Board of Supervisors and guidance and assistance provided by the Humboldt County Fire Safe Council (HCFSC), County staff from the Division of Natural Resources Planning will fill the administrative and project management role for the Clearinghouse grant funds, if awarded. Natural Resources Planning Manager, Cybelle Immitt, will be designated by the Director of Public Works to oversee and lead this project. She will be responsible for overseeing funding administration and coordinating with the HCFSC. Cybelle has over fifteen years of grant management and project development experience and has guided numerous Community Wildfire Protection Plan (CWPP) projects through to successful completion. Senior Environmental Analyst, Julia Cavalli, will be the Project Manager, preparing subcontracts for execution, managing contractor work, tracking match and expenses, preparing reports and invoices, and maintaining auditable project records. These are paid positions of the County of Humboldt.

The HCFSC will support project implementation by providing guidance based on their various fields of expertise and knowledge of the Humboldt County Community Wildfire Protection Plan (CWPP). The HCFSC may be consulted on various project components over the life of the project including for example, landowner agreements, environmental compliance, and project prioritization. The HCFSC includes representation from federal, state and local agencies and organizations that have a role and interest in community wildfire preparedness and/or wildfire management. HCFSC members include: Joe O'Hara, Willow Creek Fire Safe Council (FSC) member; Bill Eastwood, Project Coordinator with the Southern Humboldt FSC; Ryan Derby, Emergency Services Manager with Humboldt County Office of Emergency Services; Ed Laidlaw, Fire Marshal for the Arcata Fire Protection District; Kai Ostrow, Firefighter/Technical Rescue Chief with the Briceland Fire Protection District and the Southern Humboldt Technical Rescue Team; Ali Freedlund, Working Lands Human Communities Program Director with the Mattole Restoration Council and Lower Mattole FSC; Lyn Javier, Van Duzen Watershed FSC member; Justin McDonald, Fire Chief of Arcata Fire Protection District; Manny Mello, Certified Insurance Counselor with Northwest Insurance; Nick Pape, Fire Chief of Shelter Cove Fire Department; Chris Ramey, CAL FIRE Pre-Fire Planning Battalion Chief; David Markin, Fire Prevention and Training Officer with Six Rivers National Forest; Greg Moon, Director/Chief with Hoopa Tribe Office of Emergency Services and the Hoopa Fire Department; Rod Mendes, Fire Chief of the Yurok Fire Department; Will Harling, Director of the Orleans/Somes Bar FSC and the Mid Klamath Watershed Council; Lenya Quinn-Davidson, Fire Advisor with UC Cooperative Extension; Allan Wiegman, Forestry Aid with CA State Parks; Dan Wooden, Asst. Field Manager, Bureau of Land Management; John Miller, Humboldt County Planning & Building; and Tom Mattson, Director of Humboldt County Public Works. Membership on the HCFSC is not monetarily compensated but their involvement will be tracked as an in-kind match contribution to the CAL FIRE CCI grant supporting a portion of the project. Some members volunteer their time and others participate in the capacity of their paid employment.

The Humboldt County Board of Supervisors will ultimately approve the grant agreement if this proposal is selected for funding and will not be paid out of the grant funds. The Board is comprised of five, full-time members including Rex Bohn, Michelle Bushnell, Mike Wilson, Virginia Bass, and Steve Madrone. The Board enacts legislation governing Humboldt County and determines overall policies for County departments. The Board created the HCFSC in 2002 and appoints its members to oversee the maintenance and implementation of the Humboldt County CWPP.

4. Enter the name, title and affiliation of the person writing this grant application

Cybelle Immitt, Natural Resources Planning Manager, Public Works Director designee on the Humboldt County Fire Safe Council and staff support for the same.

Applicant Organizational Capacity

5. Enter the Applicant organization's formation date and date of incorporation.

Enter the date and year of your organization's formation.

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

6. Describe two major accomplishments achieved through federal grants and 2 major accomplishments achieved through non-federally funded grants in the past 5 years.

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

The County of Humboldt has been fortunate to benefit from several years of funding for its "Fire-Adapted Landscapes and Safe Homes", or FLASH, program. This program has been supported by four 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; 14SFA0079 in 2014 for \$200,000; and 16SFA56513 in 2016 for \$127,800). Implementation of the FLASH Program has resulted in nearly 800 acres of hazardous fuels reduction on residential properties, hundreds of home wildfire risk assessments in the wildland-urban interface, and nearly 700 site visits conducted by FLASH field technicians to recommend and monitor prescription

recommendations. The County of Humboldt was awarded a CAL FIRE Fire Prevention Grant for \$371,472 in March 2020 to continue the FLASH Program. The project now proposed would enable the County to leverage this funding to expand the number of acres treated, risk assessments provided, and landowners educated under this long-running program.

A second noteworthy accomplishment is the production of the second (2017) and third (2019) edition of "Living with Wildfire in Northwestern California", made possible by a combination of County special project grant funding and federal funding, accessed through Title III. The second edition of Living with Wildfire was collaboratively developed by the County of Humboldt (Humboldt County Fire Safe Council), CAL FIRE, and Six Rivers National Forest; the third edition also included Del Norte Fire Safe Council, Hoopa Fire Department, and the Yurok Wildland Fire Program. The primary purpose of the publication is 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 (or find the right person or organization to help them) to mitigate potential damage from wildfire and prepare for evacuation. Thousands of copies of the third edition, published in April 2019, are currently being distributed throughout the county. It can also be found on the web at: humboldt.gov/livingwithwildfire. Innumerable hours of state and federal staff time went into the creation of the Living with Wildfire publication and the County invested approximately \$6,000 into the effort of producing the two editions.

In early 2019, the Humboldt County Community Wildfire Protection Plan was completed. This project was funded by the CAL FIRE State Responsibility Area Fire Prevention Fund (16-HUU-0072 for \$75,961) and County special project grant funding (\$78,000). In addition, over \$74,000 of in-kind community partner and HCFSC project participation was documented. These funds and in-kind contributions supported a robust collaborative process that produced a comprehensive plan to increase wildfire preparedness in Humboldt County over the next five years.

In addition to the CAL FIRE CCI grant mentioned above, the County currently has three grants in progress, which we hope to add to this list of accomplishments in the future. Clearinghouse funds currently support a prescribed burn outreach and education program that serves as a complement to the prescribed fire training efforts of our partner, UC Cooperative Extension (18-SMG-123210 for \$55,000). An award from the CAL FIRE Fire Prevention Grants Program is currently funding defensible space, education, and roadside fuel reduction, as identified in the 2019 CWPP. A matching grant from the California Fire Safe Council (19-SFA-143096 for \$50,600) has enabled us to expand the scope and impact of that project.

We are confident that we can incorporate the proposed project into our program without overtaxing our resources and workload. We have a flexible structure that allows us to add staff or shift staff duties within the organization as needed and as resources become available.

7. List any current open grants, indicate dollar amounts and anticipated closing date(s).

HCFSC-related: CFSC 18-SMG-123210 (\$55,000, 06/30/2021); CFSC 19-SFA-143096 (\$50,600, 10/31/2021); CAL FIRE CCI - "Phase II: CWPP Implementation Project" (\$497,102, 3/15/2022); CAL FIRE CCI - "Phase III: FLASH Project" (\$371,472, 3/15/2024)

Fiscal Sponsor Information

8. Will the Applicant organization utilize the services of a Fiscal Sponsor?

The Applicant organization and the Fiscal Sponsor must memorialize the responsibilities of both parties in a formal written agreement. The agreement must be signed by both parties and submitted with this application.

- Yes-The Fiscal Sponsor organization must complete Questions 9 – 16 below
- No- Skip to Application Tab 3 "Project Information" section

9. Fiscal Sponsor Organization Type: Select the appropriate organization type. The fiscal sponsor must have legal standing to apply for a grant from the California Fire Safe Council. Nonprofit, For-Profit or other organizations must be incorporated to do business in California and have a Federal Employer Identification Number/Federal Tax Identification Number (FEIN/FTIN).

The Applicant 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 with SAM, go to: <http://www.sam.gov>

- Non-profit organization
- Home/Property Owners Association
- Native American Tribe
- Non-Federal Government Agency - Please specify which agency in the 'Explain' box, below
- For Profit Company
- Other - Specify other organization type, or use this box to provide details for the organization types listed above:

10. Enter Fiscal Sponsor organization's s Commercial and Government Entity (CAGE) code and expiration date,

and DUNS number. For information on obtaining a DUNS number, go to <http://fedgov.dnb.com/webform>

The Applicant 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 with SAM, go to: <http://www.sam.gov>

<input type="text"/>	CAGE Code
<input type="text"/>	Expiration Date (mm/dd/yyyy)
<input type="text"/>	DUNS number
<input type="text" value="0.00"/>	TOTAL

11. Fiscal Sponsor Contact: Provide the Fiscal Sponsor organization name, and the name, title, email address, and phone number of the primary contact for the Fiscal Sponsor organization. Also provide administrative contact information if different from the primary contact

-no answer-

Fiscal Sponsor Capacity

12. List the Fiscal Sponsor's key individuals (including Board members) that will be involved in this project. For each person list a) name and title, b) role and responsibilities, c) whether they are a paid employee, paid consultant, or volunteer.

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

-no answer-

13. What is the date that the Fiscal Sponsor organization formed or incorporated?

Enter the date and year of the fiscal sponsor's formation.

-no answer-

14. Describe 2 major accomplishments achieved through federal grants and 2 major accomplishments achieved through non-federally funded grants managed by the Fiscal Sponsor within the past 5 years.

Indicate sources of funding, amounts and years received, and if applicable, CFSC grant numbers for the fiscal sponsor.

-no answer-

15. Enter the Fiscal Sponsor's current open grants, indicate dollar amounts and anticipated closing dates.

-no answer-

Project Information [top](#)

Project Description

1. Type of Project

Check the box to indicate the type(s) of project(s) you are planning. Example: Fuel Treatment and Education.

- 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".

Past iterations of the FLASH Program have been funded under the following agreements: 10USFS-ES507 in 2010; 12USFS-SFA0074 in 2012; 14-SFA-0079 in 2014; 16-SFA-56513 in 2016; and CAL FIRE 19-FP-HUU-1023 (in progress).

3. Describe your project.

Please provide a specific description of the project including the project size and location, collaborator's roles and

responsibilities, planning, education, or fuel treatment methods that are part of the project.

The proposed project represents Phase III, Part II of implementing the 2019 Humboldt County CWPP. It will directly reduce wildfire risk through two distinct components under the umbrella of the County's Fire-adapted Landscapes & Safe Homes (FLASH) Program: 1) delivery of prescribed fire assessments and burn plans developed by one or more in a cohort of the state's first-ever certified burn bosses; and 2) expansion of the FLASH cost-share program for hazardous fuels reduction. Both components have been designed to incentivize and empower landowners to effectively increase their fire-resiliency.

Through the proposed burn planning, the County is seeking to continue the benefits of our 2018 Clearinghouse-funded Restoration of Beneficial Fire Project which piloted a prescribed burn community liaison program in Southern Humboldt. Multiyear support for the continuation of the liaison program has been secured through the Regional Forest and Fire Capacity Program—an exciting development made possible by the seed funds granted by the CA FSC. The funding now requested will continue to fill gaps in a growing network of prescribed fire capacity and support infrastructure.

Under the proposed project, a state-certified burn boss or bosses will be tasked with developing a custom burn plan for each of six properties. To date, over two dozen prescribed burn assessments have been conducted by the Southern Humboldt Liaison resulting in several projects lined up and ready for a burn plan to guide implementation. Additional candidate properties can be drawn directly from the Humboldt County Prescribed Burn Association (HCPBA) network. This project would dispatch individuals selected from the first and to date, only cohort of state-certified burn bosses. Notably, the training was hosted in Humboldt County and led by UCCE Fire Advisor Lenya Quinn-Davidson, who served on the curriculum development committee for the certification program and will be providing technical oversight through matching funds. With burn plans in place, the HCPBA (and/or Southern Humboldt Chapter) will be called into action. Their network of landowners and volunteer fire departments—recently trained in prescribed fire with the support of the County's 2018 CA FSC grant—will be an invaluable asset to the burns that will come of this project.

Parallel to the prescribed burn technical assistance, this project will offer direct risk reduction through the fuel treatment component of the FLASH Program. Landowners receive a customized prescription for mechanical treatment developed by a trained FLASH technician, sign an agreement to fulfill it, and either hire a contractor or perform the work themselves. Once the work is complete and has been inspected by a technician, landowners are reimbursed for a share of the cost (typically 40-60%) on a per-acre basis. The educational component of the FLASH program includes home risk assessments, conducted by trained FLASH technicians, that are intended to help landowners fully understand their risk and give them the information they need to address it. To support follow-up on issues identified in the home risk assessment, landowners are also provided with informational materials on vegetation maintenance techniques and home fire safety/hardening resources.

HCFSC members will provide program guidance and assistance as needed based on their individual areas of expertise. Representatives from local FSCs, Firewise communities, CAL FIRE, fire departments, and other relevant groups will be called upon to help increase awareness and understanding of the FLASH Program through their networks using the promotional materials developed for the Program. University of California Cooperative Extension (UCCE) staff will provide technical assistance to program staff and contractors.

The proposed project would expand the cost share and educational elements of the FLASH Program by increasing the approximate minimum number of acres treated by 142 (for a combined total of 275) and the approximate number of home risk assessments conducted by 28 (for a combined total of 55). Project details will be mapped and recorded as landowners are signed up. Map data will be integrated into the countywide project tracking GIS database as part of our effort to monitor the progress of CWPP implementation.

The myriad ways in which this project will reduce wildfire risks and hazards are further described in Question 5.

4. Describe how the planning, education or prescription for vegetation treatment was developed and indicate the name 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.

The FLASH Program Requirements, Home Risk Assessment, and Treatment Guide were recently overhauled under the County's CAL FIRE CCI funded project to help landowners understand the objectives of the program and to ensure they are being provided with the most up-to-date recommendations on reducing their wildfire risk. The Treatment Guide was developed with input from two registered professional foresters: UCCE Forest Advisor, Yana Valachovic and CAL FIRE SRA Forester, Jason Butcher to communicate the desired and eligible vegetation treatments to property owners and their contractors; it also includes guidance on how to avoid significant impacts to the environment and comply with related regulations.

Vegetation treatment prescriptions will vary depending on fuel and site conditions but will generally conform to the Treatment Guide. The overall objective is for flammable vegetation to 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 tree crowns. Depending on slope and severity of fire hazard, branches of trees must be pruned to a height of six to 15 feet from the top of vegetation below. Horizontal spacing will also be created to slow down the spread of fire on the ground. If this proposal is selected for funding, the project would increase the CAL FIRE CCI grant funded acres of treatment now in progress and would account for approximately 142 additional acres (for a total of 275).

The Home Risk Assessment was redeveloped in collaboration with Ms. Valachovic—a recognized expert in home hardening. It incorporates the tried-and-true principles of defensible space and home hardening with the lessons learned from recent catastrophic wildfires. In addition to the checklist assessment, each structural element/property feature includes information on why it matters and what can be done, to give the user the know-how to take effective action. The newly refreshed Home Risk Assessment tool will be used to assess 55 homes (28 funded by the proposed project and 27 by CAL FIRE match).

To support follow-up on issues identified in the home risk assessment, landowners will also be provided with a copy of *Living with Wildfire* in Northwestern California magazine (developed in partnership between the County of Humboldt, CAL FIRE, Six Rivers National Forest, and the Yurok and Hoopa Valley Tribes) and a *Preparing Your Home for Wildfire* home hardening brochure, a new publication developed specifically for Humboldt County in collaboration with UCCE staff and funded by CAL FIRE.

The burn plans delivered by this project will be developed by a state-certified burn boss. While the certification program may be brand new, these individuals will bring years of experience in prescribed fire to the task. Their work will also benefit from the guidance of Lenya Quinn-Davidson, UCCE Fire Advisor and Director of the Northern California Prescribed Fire Council, who has committed to providing technical assistance through matching funds. This component of the Program is intended to support implementation of the Restoration of Beneficial Fire action plan by increasing acres burned on private land and garnering more participation in local prescribed burn associations (PBA). The number of acres encompassed by the burn plans will depend on the selected candidate properties; an educated estimate assumes 20 acres or more per plan for an approximate total of 120 acres. The funding requested in this proposal will be used to educate landowners and support their ability to develop burn plans; on-the-ground burning will be supported through future funding programs or the volunteer efforts of the HCPBA.

We are eager to implement the proposed project at the full scale described in this application. However, recognizing that funds are limited, we are amenable to partial funding for the activities described in this application. In the case of a partially funded project, the number of FLASH projects and/or burn plans could be scaled down to fit the revised budget.

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

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

This project aims to mitigate wildfire hazards by helping landowners eliminate flammable vegetation, educating them on fire safety, and giving them the tools to maintain and expand upon the work accomplished under the FLASH Program. Hazardous fuels reduction will occur around homes and along access routes—work that is critical to decreasing the likelihood of a wildfire spreading into home ignition zones or impeding safe evacuation; it also provides for firefighter safety, thereby reducing the risk of structure loss. Well-managed vegetation will also decrease wildfire intensity, making it less likely to ignite structures and minimize the potentially destructive impacts of embers. By reducing the ignition potential on individual properties, the threat of wildfires spreading into the greater community or the wildlands, will be reduced. Potential federal and state costs of wildfire suppression and demands on limited water supplies would also be reduced. Preparing homes and properties for wildfire will also provide opportunities for reintroducing beneficial fire by increasing the comfort level of landowners with prescribed fire on their property. To maximize effectiveness, it will be a priority of this program to facilitate clustering of adjacent properties to create a landscape (rather than islands) of defensible space within target neighborhoods.

Regardless of fire hazard severity zone (FHSZ), every community across Humboldt's heavily forested landscape experiences periodic windows of opportunity during which conditions are right for a small ignition to grow into a destructive wildfire. For this reason (and consistent with the CWPP goal of protecting all of Humboldt's communities), the FLASH Program, including the services of the state-certified burn boss(es), will be offered countywide. However, the process used to prioritize projects will give preference to those located within High or Very High FHSZ, and within the WUI as modeled by CAL FIRE's Vegetation Treatment Program (CalVTP). The process will help ensure areas where high housing density meets high fire risk, receive priority. This overlay will also purposely encompass many of Humboldt's Communities at Risk of Wildfire including, Garberville/Redway, Orleans, Willow Creek, Alderpoint, Bridgeville, Honeydew, Petrolia, and Shelter Cove.

The quantifiable outcomes of this project are for at least 28 property owners living in the WUI to treat at least 142 acres of hazardous fuels (55 minimum total property owners and 275 minimum total acres including CAL FIRE-funded project components). This is a conservative estimate based on the highest possible reimbursement rate; the final number of acres and participants will likely be higher. An additional outcome is that six properties will receive a site visit and custom burn plan to queue them up for burning by the HCPBA.

The FLASH Program, including the technical assistance for burn planning, will help landowners overcome the financial barrier to accomplishing this work by providing cost-share assistance and support resources—property assessments, customized prescriptions, and educational resources—to ensure it is done effectively. In some cases, the properties that received a prescribed burn assessment from the Southern Humboldt Liaison or that receive a burn plan may also participate in the cost-share aspect of the FLASH Program to prepare their units for a safe burn, thereby maximizing the hazard reduction impact on those properties.

The project will also help ensure that each participating landowner is aware of and connected to their local fire safe council, Firewise Community, and the Humboldt County FSC and the countywide or local chapter of the Prescribed Burn Association.

Building these connections will help foster support for and engagement in those organizations, furthering the spread of knowledge and potential impact of their work together.

One indicator of success will be a reduction in the number of ignitions in areas receiving treatment. This information is tracked by CAL FIRE and is publicly available. Each year the Humboldt County Fire Chiefs' Association publishes an annual report that includes the number of calls each fire organization responds to throughout the year. A reduction in the number of response calls could also be correlated with the success of the proposed project. Another indicator of success would require the work to be tested by a wildfire; it's expected that losses would be reduced because of the vegetation treatment.

Qualitative indicators of success registered in the past include reports of landowners deciding to go above and beyond the initial prescription; neighbors inspired and moved to action by a FLASH project in their neighborhood; and an ever-growing "waiting list" of landowners interested in the FLASH Program.

Sustainability

6. How will the 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.

Residential fuels reduction projects are generally expected to last up to 10 years. The landowner bears the responsibility for project maintenance. By signing the FLASH Participation Agreement, landowners make a commitment to maintain their fuel treatment project sites. 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; participating in the Program will empower property owners to independently maintain their hazardous fuels reduction projects where before, the financial burden and work required were overwhelming. Also, where appropriate, treatments will be designed to maintain enough shade to discourage the vigorous re-growth of understory vegetation, thus decreasing the cost of maintenance.

The FLASH Program aims to move landowners to action through education. The home risk assessment and prescription provided by FLASH technicians includes discussion with the landowner about which trees to remove, how high to prune, slash disposal, the best tools to use, home fire safety, etc. Too often landowners become mired in inaction because they do not know how to reduce their wildfire risk. Time and again we have seen that when the initial work is incentivized, and the landowner learns how to address the problem, they are motivated to maintain their project, and in many cases, expand upon it. In numerous cases, interested neighbors have been inspired by FLASH participants to conduct their own fire hazard reduction without participating in the cost-share program.

Those landowners who will benefit from working with a state-certified burn boss to develop a burn plan will be able to adapt and reuse their plan for future maintenance burns. This aspect of the project will remove a costly barrier to wildfire risk reduction that will facilitate ongoing maintenance.

Local FSCs and existing Firewise communities, as well as the two new Firewise communities that are being formed as part of the County's 2019 Clearinghouse project will also have a role in supporting and inspiring maintenance through education, technical assistance, and direct assistance, when resources are available (funding and/or volunteers). The Humboldt County Prescribed Burn Association is also expected to be a key player in the implementation and maintenance of the burns spurred by this project. Inversely, with more burn plans and operational successes in their rearview, the HCPBA's momentum will only increase.

It is important to note that the County CWPP has been used effectively to plan projects and leverage resources and funding to support action. We anticipate that it will continue to be a useful tool to leverage support for maintaining the work completed with the support of this grant. County staff intend to continue to seek funding, partnerships, and support to incentivize and assist with implementing the CWPP, which includes maintenance of fuels reduction projects.

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 will utilize to engage community members, fire jurisdictions and elected officials in the planning process. Indicate website URL or social media handles used by your organization.

The County currently maintains an interest form for the FLASH Program on the HCFSC website. This new approach has streamlined the process of signing up participants and has allowed for prioritization of landowners most in need, as well as clustering of projects with strategic value. Advertising the interest form through the HCFSC's email list, website, and network of local contacts has proven to be effective and in fact, has resulted in a large waiting list of landowners eager to commit to a project. Outreach for the FLASH Program will continue to engage a wide local audience online, and through local media and distribution of a program flyer. Communities at Risk and those in Very High FHSZs will receive more targeted outreach to ensure robust participation from those areas.

The need for outreach to identify landowners interested in developing a burn plan is limited, given that many prime candidates have already been assessed by the Southern Humboldt Prescribed Fire Liaison and are ready to get started. The Humboldt

PBA network and mailing list will also be used to identify candidates in other areas of the county.

8. Describe how the project will motivate the community to invest (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?

It is often the case that properties have become so overgrown that the prospect of taking on the amount of fuels reduction necessary to reduce fire risk is simply too daunting a task for many landowners. The cost of debris disposal can also prevent landowner action. This project aims to give residents a foothold that will propel future maintenance work that they can conduct on their own or with the help of their neighbors.

One of the greatest benefits of the FLASH Program is the opportunity to demonstrate to the residents what proper defensible space looks like in their community and in their environment. While quality educational materials can go a long way, it is an impactful experience for residents to see first-hand that defensible space can be compatible with a WUI environment, that it doesn't mean the landscape must be completely denuded, and that their neighbors have wisely chosen to invest in wildfire risk reduction.

The outcomes of the current 2018 Clearinghouse-funded Restoration of Beneficial Fire Project combined with this new funding will support the development of operational opportunities that will build the prescribed fire capacity of community members participating in the PBA, thereby galvanizing landowner commitment to the PBA model of shared stewardship. One of the early discoveries as the Association expanded into Southern Humboldt, was that while the wildland-urban interface zone certainly presents added complexity and risk, it also provides increased opportunities and incentives for community building. The PBA model is dependent on strong working relationships, and with the smaller parcel size and steep terrain in the region, it quickly became obvious that in many cases the easiest and safest projects were the ones that crossed property lines to utilize natural barriers. This has inspired potential participants to engage their neighbors early and led to an atmosphere of shared investment. It has also functioned as a force multiplier for the community liaison outreach, as often connecting with one person in a watershed has led to several motivated new members. This neighbor-to-neighbor collaboration, coupled with the technical support of this project, will build a sustainable foundation for continued community investment in this work.

Between the renaissance of the Southern Humboldt Fire Safe Council, the emergence of several smaller local FSCs, and the establishment of the Humboldt County Prescribed Burn Association (including the Southern Humboldt Chapter), grassroots capacity continues to increase through multiple avenues. It will be a priority of this project to ensure participants of the FLASH Program are linked with these and other groups, who can facilitate forward momentum toward community wildfire resiliency.

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 selling firewood from trimming trees or defensible space clearing. This income is required to be used to further the objectives of the grant during the grant term.

No project income will be generated.

Project Location

10. 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 enter more than one county.

Humboldt

11. Enter the latitude and longitude of the approximate geographic center of the project area. Your response must be in decimal format to six places, for example: 39.375097 Latitude and -122.54454 Longitude.

If the project covers a large area, select a point that best represents the center of the planning area. We recommend using Google Maps or itouchmap.com

Latitude

Longitude

TOTAL

12. 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 to federal land. No portion of the project may be on federal land or land leased from the federal government.

Yes

No

13. 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. Contact local agency representatives or consult a map for info.

Please select Not Applicable if you answered "No" on question #12.

- USDI: Bureau of Indian Affairs (land/field office)
- Bureau of Land Management (field office)
- Bureau of Reclamation (field office)
- National Park Service (park, monument, or recreational area)
- U.S. Fish & Wildlife Service (refuge)
- USDA Forest Service (forest)
- Military Installation
- Not Applicable

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

- 0-3 miles
- More than 3 miles

15. Enter the District number for the project location.

Enter N/A in the boxes that do not apply. For information on California and Nevada Congressional districts go to: <https://govtrack.us/> For CA http://www.legislature.ca.gov/legislators_and_districts.html For NV go to <https://www.leg.state.nv.us>

<input type="text" value="2"/>	California Congressional District number(s)
<input type="text"/>	Nevada Congressional District number(s) (District 2 only)
<input type="text" value="2"/>	California State Senate District number(s)
<input type="text"/>	Nevada State Senate District number(s) (Districts 3 and 4 only)
<input type="text" value="2"/>	California State Assembly/House District number(s)
<input type="text"/>	Nevada State Assembly/House District number(s) (District numbers 26 and 39 only)
<input type="text" value="6.00"/>	TOTAL

Planning Document Applicability

16. Relate your project to the three goals of “The National Strategy” : (A) Restore & Maintain Landscapes, (B) Fire Adapted Communities and (C) Respond to Wildfires (updated website shown below)

National Strategy summary (.pdf)

<https://www.forestsandrangelands.gov/documents/strategy/strategy/communications/NationalStrategySummary.pdf>

This project ties together the three main goals of the Cohesive Strategy by providing a critical boost in neighborhood fuel reduction that will have resounding effects in protecting communities and the environment, empowering future efforts, and supporting fire suppression response.

Restore and maintain landscapes: The proposed project seeks to reduce the potential for fires, originating from WUI homes and roadsides, spreading into the wildlands while also paving the way for the return of beneficial fire to suitable landscapes when ignitions do inevitably occur. As a result of many decades of fire suppression and past forest management practices, many Humboldt County forests are overstocked and/or have a large buildup of woody debris. For those forests near homes, an ignition could cause a wildfire of devastating severity. A primary aim of the FLASH Program is to help prevent unwanted wildfires from occurring before the surrounding forests can be adequately prepared to return to their natural fire regime—either through prescribed or managed wildfire. Finally, educating landowners about the feasibility of using fire as a tool on their own land, connecting them with support networks, and providing them with a burn plan for implementation, will result in the ability to restore and maintain wildfire resilient landscapes.

Fire-adapted communities: It is a primary goal of this project and of the Humboldt County CWPP (Wildfire Preparedness, Goal 2) to increase community resilience and adaptation to wildfire. A vital part of achieving this goal is a significant reduction in fuels within the first 100 feet of space around structures and along access routes. The aim of this project is to incentivize creation of defensible space by subsidizing the (typically) most costly component of the job. Of course, much of the vegetation will eventually grow back which is why it is important that fuel reduction activities be paired with landowner education. To start, educational materials will be provided to all FLASH participants. These materials will introduce them to basic principles related to defensible space, home hardening, and fire safety. Consistent with the findings of The National Cohesive Strategy, human-caused ignitions, especially from debris burning, continue to be the greatest source of ignitions in Humboldt County (over 80% in 2020). The educational materials created and compiled for the FLASH Program heavily

emphasize the importance of ignition reduction and fire safety (including pile burning) to help bring this statistic down.

In addition, homeowners will be introduced to the Humboldt County CWPP, the countywide and local FSCs and PBAs and how they can help them continue their fire-adaption efforts. Firewise communities are also an excellent vehicle for initiating and sustaining momentum toward wildfire resiliency through community education and organization and representatives from those groups will be informed about the program and encouraged to spread the word.

Wildfire response: The hazardous fuels reduction and defensible space created through and inspired by this project will increase opportunities for fire suppression personnel to defend homes and neighborhoods safely and effectively. The long distance between many rural homes and the nearest fire department can greatly increase response time. Establishing at least 100 feet of defensible space can delay home ignition, sparing firefighters the precious minutes needed to prevent disaster. Along a different line, this project will encourage activity within existing Firewise communities and those that will be established under the County's 2019 Clearinghouse grant project. Communities involved in Firewise are in a better position than others to work with emergency managers to help identify risks and hazards that could impact wildfire response in their communities.

17. Explain how the proposed project supports the goal of Chapter 11 “Reducing Community Wildfire Risk” of the “California’s Forest and Rangelands: 2017 Assessment” (see below)

Document (.pdf): <https://rap.fire.ca.gov/media/3180/assessment2017.pdf> Chapter 11 focuses on community wildfire protection planning, land use planning, public education programs, and homeowner responsibility

The project will directly promote three of the four “Opportunities” suggested in Chapter 11 of the 2017 Assessment to reduce community wildfire risk: Community Planning, Education Programs, and Homeowner Responsibility.

The proposed project represents Phase III, Part II of implementation of the Humboldt County CWPP. The CWPP update was completed in early 2019 following a two-year collaborative process among members of the HCFSC, in addition to a broad range of fire protection and prevention entities. The CWPP includes an analysis of the County's unique fire environment and a complementary 5-year Action Plan (Part 3). Since the CWPP's certification, the HCFSC has been striving to implement the recommended actions of the Action Plan. Support for the FLASH Program is specifically mentioned as a Potential Project under the Wildfire Preparedness Goal Chapter and is closely tied to the actions listed under Question 21 of this application.

The HCFSC was critical to the development of the CWPP update—as critical as they are, and will continue to be, to its implementation. The proposed project will help maintain momentum and encourage coordination. Reciprocally, the Council's membership will support this program with their varied expertise and extensive community networks.

Of course, the goals of the CWPP cannot be fully realized without residents taking responsibility for reduction of their individual risk. The FLASH Program provides home risk assessments that go above and beyond the typical defensible space assessments conducted by CAL FIRE; the cost-share reimbursements serve as much-needed “seed funds” for expansion and maintenance of hazardous fuels reduction. The prescribed burn plans, and participation in the county or local PBA, open a world of opportunity for using “good fire” to address individual risk. Together, these program elements provide participants with the tools and information they need to attain wildfire resiliency.

18. Identify the type of planning 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 your local fire protection agency

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

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

19. 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.

Humboldt County Community Wildfire Protection Plan (CWPP) 2019 Update

The current plan is available at: <https://humboldt.gov/fireplanfinal>.

Contact Cybelle Immitt, Natural Resources Planning Manager at cimmitt@co.humboldt.ca.us. Mailing address: Natural Resources Planning, 1106 Second Street Eureka, CA 95501

20. 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.

The most recent update to the Humboldt County Community Wildfire Protection Plan was completed in 2019 under the guidance of the HCFSC. The Humboldt County Board of Supervisors approved the Plan in January 2019 and certified that it met all the criteria of a CWPP listed under the Healthy Forests Restoration Act (HFRA). The Humboldt County Fire Chiefs' Association and CAL FIRE are also signatories of the Plan.

The capacity of the HCFSC and support from grant funds has allowed for the CWPP to be updated every five years. The current plan has and will continue to inspire and guide community groups, fire agencies, and other stakeholders seeking to enhance wildfire preparedness in Humboldt County. The Plan also includes a robust and ambitious action plan (Part 3), which is designed to guide the actions of the HCFSC and partners over the five-year planning horizon.

21. 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. The goal of the proposed project is to increase community resilience and adaptation to wildfire by reducing fuels within target communities, a core component of the Wildfire Preparedness Goal of the CWPP Countywide Action Plan. Each of the six goal areas within the Action Plan contain specific Metrics and Priority Actions to be accomplished in the next five years. The proposed project would contribute most to the implementation of the following priority actions:

Metric 3.2.6: Community Fuel Reduction, Priority Action 3.2.6-1 (p. 3.2-9) directs the HCFSC to work with leaders in each planning unit to support project development, including identification of needed resources and potential obstacles to facilitate fuel-hazard reduction project implementation and maintenance.

The proposed project would also help to implement Metric 3.2.3 Defensible Space Compliance, Priority Action 3.2.3-1 (pp. 3.2-4–3.2-5) by prioritizing support of hazardous fuel reduction for elderly and disabled residents unable to perform this work themselves. The FLASH Program is specifically identified as a Potential Project under this Action.

In addition, the project will contribute to Metric 3.2.2 Defensible Space Education, Priority Action 3.2.2-3 (p. 3.2-4) by contributing photos of defensible space and fuel hazard reduction projects to the HCFSC Photo Library hosted on Flickr.

The proposed project will also support the continued implementation of Priority Action 3.2.1-1: Create and distribute a brochure on how to fire-safe (or "harden") a Humboldt County home (pp. 3.2-1–3.2-2) as well as Priority Action 3.2.2-1: Update Living with Wildfire... and distribute (pp. 3.2-3). This project will expand the distribution of the Living with Wildfire magazine and the recently published Preparing Your Home for Wildfire brochure created through another funding source.

Additionally, this project will support implementation of the Restoration of Beneficial Fire Goal of the CWPP Countywide Action Plan; Metric 3.5.1: Prescribed-Fire Education (pp. 3.5-1) and Metric 3.5.4: Private Lands Prescribed Fire (pp. 3.5-7–3.5-8).

Lastly, this project supports the implementation of the Integrated Planning Action Planning Goal of the CWPP Countywide Action Plan; Metric 3.6.4: Fire-Planning Data Management (pp. 3.6-3–3.6-4). This will be accomplished by mapping project locations and integrating them into the countywide project tracking GIS database.

It is important to note that the County is aware that local groups are using the Humboldt County CWPP as a guide for the development of projects and as a reference to support grant applications. This is strongly supported and encouraged even though the different grant proposals may be in competition with one another. There is so much critical work that needs to get done in Humboldt County and ideally all applications for funding would get selected. If this proposal receives an award along with others submitted by local groups, we are committed to coordinating our work with those projects as much as possible to maximize the wildfire resiliency impacts for our communities.

22. 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 an official Cal Fire Hazard Severity Zone in the next question.

While the Humboldt County CWPP does not specifically define WUI boundaries, staff maintain a library of geospatial resources which includes CAL FIRE's Modeled WUI data layer developed for CalVTP. The layer combines fire threat, human asset exposure, and proximity to support prioritization of mitigation efforts. It will be factored into the project prioritization process to ensure areas of high housing density and high fire risk are served by the Program. In addition to exhibiting significant WUI characteristics throughout its rural landscape, Humboldt County also exhibits significant fire hazard severity with 45% classified as Very High Fire Hazard Severity, 48% as High, and 4% Moderate (3% is unrated). Project sites will be selected in areas with the highest possible percentage of Very High Fire Hazard Severity or a significant occurrence of WUI or wildland urban intermix within High Fire Hazard Severity Zones.

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

Check the appropriate box(es). Find the fire hazard severity zone at: <https://osfm.fire.ca.gov/divisions/wildfire-prevention-planning-engineering/wildland-hazards-building-codes/fire-hazard-severity-zones-maps/>

Very High Severity Zone

- High Severity Zone
- Moderate Severity Zone

24. 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: <https://osfm.fire.ca.gov/divisions/wildfire-prevention-planning-engineering/fire-plan/communities-at-risk/>
Redway, Bridgeville, Willow Creek

Project Effects

25. 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 and Titlow Hill

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

Enter the names of official Firewise Communities in, or within 3 miles of, the project area. <https://www.nfpa.org/Public-Education/Fire-causes-and-risks/Wildfire/Firewise-USA/Firewise-USA-Resources/Firewise-USA-sites/State-listing-of-participants>

Honeydew, Petrolia, Willow Creek, Orleans, Shelter Cove, Redwood Valley/Chezem, Kneeland; In the process of reestablishing recognition: Hydesville, Bridgeville; the County is also working to support the establishment of two new Firewise Communities.

27. 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. If the project does not include education, answer N/A

Alderpoint, Benbow, Blocksburg, Briceland, Bridgeville, Ettersburg, Fruitland, Garberville, Honeydew, Kneeland, Orleans, Petrolia, Redwood Valley, Shelter Cove, Willow Creek, and Whitethorn

28. 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. If project does not include fuel reduction, answer N/A

Alderpoint, Benbow, Blocksburg, Briceland, Bridgeville, Ettersburg, Fruitland, Garberville, Honeydew, Kneeland, Orleans, Petrolia, Redwood Valley, Shelter Cove, Willow Creek, and Whitethorn

29. 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. If project doesn't include planning, answer N/A
N/A

30. 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.
Approximately 4,000

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

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

Compensated employees

Contractors

TOTAL

32. Identify the Condition Class and Fire Regime for your project area.

Check the appropriate box(es). Fire Regime Condition Class definitions: <https://www.landfire.gov/frcc/frcchome.php>

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

- Fire Regime II
- Fire Regime III
- Fire Regime IV
- Fire Regime V

33. 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.

275 acres

34. 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.

Approximately 55 fuels treatment projects (individual landowner participants) are expected to be completed under the FLASH Program; 28 of these would be funded by the Clearinghouse and 27 by CAL FIRE (committed match). This estimate assumes all landowners qualify for and request the maximum amount of reimbursement. Since there will likely be some landowners that do not receive the maximum reimbursement, we may be able to use the additional funds to sign up more landowners and increase the number of projects. Acres treated and per acre reimbursement amounts will vary based on fuel type, fuel density, and slope. The estimated target is 275 acres based on an average reimbursement rate of \$600 per acre (combined Clearinghouse and CAL FIRE supported work).

Fuels Treatment

35. 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: CEQA Notice of Exemption filed with the County Clerk Recorder for CAL FIRE CCI funded FLASH Program on October 27, 2020, by staff.

36. 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," be specific about the type of vegetation in question 37.

<input type="text" value="0"/>	% Chaparral
<input type="text" value="60"/>	% Open or closed canopy mixed conifer forest
<input type="text" value="0"/>	% Ponderosa
<input type="text" value="20"/>	% Douglas Fir
<input type="text" value="0"/>	% Pine Plantatation
<input type="text" value="20"/>	% Oak Woodland
<input type="text" value="0"/>	% Other, please specify in question 37
<input type="text" value="100.00"/>	TOTAL

37. Which vegetation is to be treated/modified?

Select the type of vegetation to be treated.

- Chaparral
- Open or closed canopy mixed conifer forest
- Ponderosa
- Douglas Fir
- Pine Plantation

e Oak Woodland

✓ Other: WUI Residential

38. Describe the treatment to be implemented.

The proposed treatment includes reducing wildfire hazards on individual properties and where neighbors have agreed to collaborate, between properties as well. Specific treatments will be designed by a FLASH Technician who will base their recommendations on the FLASH Treatment Guide and site-specific conditions. This approach is aimed at reducing the likelihood of ignition by reducing fuel volume and disrupting the fuel continuity that could carry a fire from home to home. General fuel reduction will also reduce the availability of material that could produce embers and carry a fire through the air.

Vegetation within the home ignition zone (first 100 feet) will be selectively thinned, trimmed, or removed with the goal of increasing the space between trees, shrubs, and structures. The largest, most fire resilient and healthiest trees adapted to the location will be retained. Brush created from the treatment will be chipped or lopped and scattered. Based on experience, it is anticipated that most landowners will choose to use the chips produced as mulch or for landscaping.

39. Describe the equipment to be used.

Contractors and/or landowners will primarily use hand tools and power tools such as weed-whackers, chainsaws, pole saws, clippers, and mowers. A chipper may be operated from a road or driveway in some cases to help masticate brush and pruned branches.

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

FLASH technicians will be contracted to conduct home risk assessments, develop prescriptions, and inspect completed projects. Contracts with several FLASH Technicians are already in place and can be amended to increase their scope of services. The Request for Proposals developed to identify the current FLASH Technicians can also be re-released to solicit proposals from additional contractors, as needed.

A separate contract or contracts will be executed to secure the services of one or more state-certified burn bosses to develop the burn plans.

Landowners will be responsible for carrying out the prescription to the specifications provided by their FLASH technician. They will have the option of hiring a contractor or performing the work themselves. Reimbursement will be paid based on a set per acre rate and supporting documentation provided in the form of a contractor invoice or certification of hours valued at the current state volunteer rate.

County staff will oversee and administer the whole project, including grant agreement management, contract solicitation and management, community outreach and engagement, project documentation, and sharing of project outcomes.

41. Describe the pre and post-treatment site.

Structural ignitability in Humboldt County is very high, with most homes made of wood and built before the 2007 WUI Building Codes came into effect. Within the WUI, the buildup of leaf litter and woody debris on rooftops, under decks, and within the first 100 feet is unfortunately ubiquitous. Homes with non-fire-safe roofing and siding are common, as are cantilevered decks. The vegetation within many home ignition zones is unmaintained and ripe for disaster. Likewise, hazardous fuels have built up along long driveways and private roads, effectively creating vegetation tunnels in some areas.

Within each post-treatment site, horizontal continuity of fuels will be eliminated: dry, dead fuels will be removed entirely or chipped and spread out to speed up decay; shrubs will be reduced in number and remaining individuals will be adequately spaced. Vertical continuity of fuels will likewise be disrupted: trees will be limbed up and freed from vegetation encroaching on their drip lines; branches overhanging homes will be cut down. While there will still be more work to be done along the roads, in the forest, and to the structures themselves, wildfire risk will be greatly reduced.

42. 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. Enter N/A in each box that does not apply. For more detailed instructions, see the Calculating Biomass Volume resource in the Library tab.

<input type="text" value="N/A"/>	Saw logs (cubic board ft.)
<input type="text" value="N/A"/>	Chips (green ton)
<input type="text" value="N/A"/>	Post and poles (lineal ft.)
<input type="text" value="N/A"/>	Fuel wood (fuel for cogeneration plant)
<input type="text" value="N/A"/>	Firewood (cords)
<input type="text" value="N/A"/>	Other
<input type="text" value="0.00"/>	TOTAL

43. Will the biomass product be sold/commercialized?

Yes

No

44. If yes, please describe how the biomass product will be used.

If it will not be used, type "N/A".

N/A

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

Yes I have

Tables [top](#)

46. Work Plan

Task Number	Sequential Task/Activity	Timeframe	Responsible Party	Expected Outcome/Result
1	Contracting for project implementation	1-5 months	County staff	Develop and distribute Requests for Proposals for state-certified burn bosses and FLASH technicians (or execute amendments with existing technicians) to implement the project throughout the County.
2	Environmental compliance review, as needed	Ongoing months	County staff	Staff will continually ensure work is conducted in compliance with an existing categorical exemption to CEQA prepared under the CAL FIRE matching grant and be prepared to address any unexpected environmental compliance needs that arise.
3	Outreach to prospective landowners across the County through Program publicity, including those who filled out an interest form. 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.	2-23 months	County staff, FLASH contractors	Site visits conducted, hazardous vegetation clearance recommendations made, treatment area mapped, before pictures taken, and participation paperwork signed for at least 55 landowners. Home risk assessments will also be provided to approximately 55 landowners.
4	Verify fuels reduction work and reimburse landowners: Once the landowner's work is complete, inspect to ensure quality and sign off if acceptable. Landowners may do the work themselves or hire a contractor. Take "after photos".	5-23 months	County staff, FLASH contractors	Approximately 55 property owners will collectively treat approximately 275 acres of hazardous fuels around homes and along access routes to the standards of the FLASH Program. Contractors will provide documentation of this work before cost share reimbursements are provided.
5	Develop burn plans for implementation of prescribed fire and connect participating landowners with the network and resources of the PBA to accomplish.	3-23 months	State-certified burn boss(es), UCCE Fire Advisor	At least six burn plans will be developed that can be used for immediate implementation of prescribed fire. Additional prescribed fire feasibility assessments by the state-certified burn boss(es) may be conducted as needed, and as time and funding allow. Where appropriate, pre-implementation planning and coordination with PBAs and UCCE and other agency partners will take place. Lists of participating landowners,

			summaries of site visit evaluations, and photo documentation will be compiled.
6	Manage photo documentation to be used in future development of educational resources.	3-24 County staff months	County staff will use photos documentation provided by contractors to continue to build the HCFSC Photo Library (a Priority Action of the CWPP). Photos in the library are publicly available and can be used for promotion and education.
7	Project Invoicing and Reporting: Preparation and submittal of quarterly progress reports, and grant closeout report. Processing of contractor invoices, submitting of payment requests, and tracking of volunteer hours and match contributions.	Ongoing County staff months	All required reports and tracking records will be completed and submitted on time and to the satisfaction of the California Fire Safe Council Grant Manager, resulting in successful project completion.
8		months	
9		months	
10		months	
Total		0 months	

47. Project Deliverables

Project Deliverables	Federal Quantity Projected	Federal Cost Projected	Match Quantity Projected	Match Cost Projected
Community Risk Assessment Wildfire Planning				
Community Risk Assessment		\$		\$
Community Wildfire Protection Plan		\$		\$
Fire Management Plan		\$		\$
Planning Subtotal	0	\$ 0	0	\$ 0
	0	\$ 0	0	\$ 0
Information/Education				
Outreach/Education Programs	1	\$ 75,440	0	\$ 60,500
Education/Information Products	1	\$ 19,860	0	\$ 2,000
Information/Education Subtotal	2	\$ 95,300	0	\$ 62,500
	2	\$ 95,300	0	\$ 62,500
Fuels Treatment Acres				
Preparation for Treatment	138	\$ 3,000	138	\$ 3,000
Preparation for Treatment Subtotal	138	\$ 3,000	138	\$ 3,000
Mechanical Treatment Acres				
...Biomass removal		\$		\$
...Chipping	84	\$ 5,000	151	\$ 9,000
...Crushing		\$		\$
...Hand pile		\$		\$
...Seeding		\$		\$
...Lop and scatter	16	\$ 2,000	24	\$ 3,000
...Machine pile		\$		\$
...Mastication/Mowing		\$		\$

...Thinning	115	\$ 75,000	160	\$ 105,000
...Thinning - Tree felling and removal		\$		\$
Mechanical Treatment Subtotal	215	\$ 82,000	335	\$ 117,000
Prescribed Fire Acres				
...Broadcast burn		\$		\$
...Fire use		\$		\$
...Hand pile burn		\$		\$
...Jackpot burn		\$		\$
...Machine pile burn		\$		\$
Prescribed Fire Subtotal	0	\$ 0	0	\$ 0
Other Treatment Acres				
...Chemical		\$		\$
...Biological		\$		\$
...Browsing		\$		\$
Other Treatment Subtotal	0	\$ 0	0	\$ 0
Fuels Treatment Subtotal	353	\$ 85,000	473	\$ 120,000
Mechanized Treatment with By-Products Utilized		\$		\$
Total	355	\$ 180,300	473	\$ 182,500

48. Budget Detail

Cost Categories	Federal - Grant Applicant Funds	Other Partners	Total
a. Personnel			
County staff will be responsible for the management and delivery of a successful project. This will include executing and managing the grant agreement and multiple subcontracts, preparing reports and invoices, assisting with outreach to prospective property owners, environmental compliance documentation as necessary, training field technicians, refining the home risk assessment tool as necessary, developing tools to communicate environmental considerations and best practices, managing program publicity, conducting periodic project site visits, compiling and distributing wildfire prevention materials, and overseeing general project quality control. Expenses will be billed to the grant in an amount up to \$24,300 based on approximate hours and rates (combined salary and benefits). Staff include the Natural Resources Planning Manager (~\$72/hr. for ~100 hrs.), and a Senior Environmental Analyst (~\$54/hr. for ~400 hrs.). Matching funds (\$4,500) provided by a CAL FIRE CCI grant.	\$ 24,300	\$ 0	\$ 4,500 \$ 28,800
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
Personnel Total	\$ 24,300	\$ 0	\$ 4,500 \$ 28,800
b. Fringe Benefits			
	\$	\$	\$
	\$	\$	\$

	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Fringe Benefits Total	\$ 0	\$ 0	\$ 0	\$ 0
c. Travel				
Approximately 600 miles of travel at a rate of .56/mile (or the current GSA rate at time of travel) to conduct site visits and outreach.	\$ 0	\$ 336	\$ 0	\$ 336
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Travel Total	\$ 0	\$ 336	\$ 0	\$ 336
d. Equipment (Items >\$5,000/unit – see guidelines)				
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Equipment Total	\$ 0	\$ 0	\$ 0	\$ 0
e. Supplies				
Costs include, but are not limited to, printing, postage, advertising, and direct office expenses.	\$ 0	\$ 4,664	\$ 0	\$ 4,664
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Supplies Total	\$ 0	\$ 4,664	\$ 0	\$ 4,664
f. Contractual				
Multiple Implementation Contractors - FLASH technicians (at varying contract amounts depending on the areas of the county covered); reaching out to prospective landowners about the Program and providing wildfire preparedness materials and guidance; conducting home risk assessments; making fuels reduction prescription recommendations; taking before and after photographs; mapping treatment areas; verifying that fuels reduction work has been completed to the standards of the Program; and providing the documentation necessary to reimburse landowners for completed work. Contractors will also be responsible for tracking and providing documentation of landowner in-kind match. Matching funds (\$50,000) provided by a CAL FIRE CCI grant.	\$ 56,000	\$ 0	\$ 50,000	\$ 106,000
Reimbursements for landowners who successfully fulfill the requirements of their FLASH participation and reimbursement agreements (at varying rates per acre depending on conditions and number of acres treated). Matching funds (\$80,000) provided by a CAL FIRE CCI grant.	\$ 85,000	\$ 0	\$ 80,000	\$ 165,000
County commitment to work with contractors to document the fulfillment of in-kind match agreements of multiple participating landowners. This match will be made up of hours spent by the landowner, payments made to hire a crew to do the work, and/or any other eligible expenses above the per acre rate paid by the grant. This is a conservative estimate to ensure match obligations are met.	\$ 0	\$ 40,000	\$ 0	\$ 40,000
State-certified burn boss(es) to develop burn plans on private land and coordinate with PBA and UCCE on implementation planning; conduct additional site visits to evaluate the feasibility of prescribed fire and respond to landowner questions, as needed. One or more contracts, not to exceed the total amount of \$15,000.	\$ 15,000	\$ 0	\$ 0	\$ 15,000
	\$	\$	\$	\$

	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Contractual Total	\$ 156,000	\$ 40,000	\$ 130,000	\$ 326,000
g. Other				
UC Cooperative Extension will contribute in-kind staff time at a value not to exceed \$3,000 to provide technical assistance for burn plan development and implementation support for the FLASH Program.	\$ 0	\$ 0	\$ 3,000	\$ 3,000
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
Other Total	\$ 0	\$ 0	\$ 3,000	\$ 3,000
h. Total Direct Costs	\$ 180,300	\$ 45,000	\$ 137,500	\$ 362,800
i. Indirect Costs	\$	\$	\$	\$ 0
Total	\$ 180,300	\$ 45,000	\$ 137,500	\$362,800

49. Match Amount By All Organizations

Name of Match Contributor (Organization, agency, or person)	Cost Category(ies)	Type of Match	Amount (\$)
1 County of Humboldt	Trvl, Supplies, Contract.	In-Kind	\$ 45,000
2 CAL FIRE	Personnel, Contractual	Cash	\$ 134,500
3 UC Cooperative Extension	Other	In-Kind	\$ 3,000
4			\$
5			\$
6			\$
7			\$
Total		0	\$ 182,500

Document Upload [top](#)

Documents Requested *

Letters of Commitment: Submit letters of commitment (LOC) from all organizations providing matching contribution to the project, including the applicant and fiscal sponsor.

Letters of Commitment Cover Letter

Fiscal Sponsor Agreement Letter (If Applicable)

Project Vicinity Map

Indirect Rate documentation: Upload a copy of your negotiated Federal Indirect Cost Rate Agreement (NICRA) if applicable. If your organization is claiming the de minimis indirect rate, upload a completed De Minimis indirect worksheet.

Required? Attached Documents *



[UCCE Letter of Commitment](#)

[County of Humboldt Letter of Commitment](#)



[County of Humboldt Letters of Commitment Cover Letter](#)



[Project Vicinity Map](#)

Application ID: 356365

Become a [fan of ZoomGrants™](#) on Facebook
Problems? Contact us at Questions@ZoomGrants.com
©2002-2021 GrantAnalyst.com. All rights reserved.
"ZoomGrants" and the ZoomGrants logo are trademarks of GrantAnalyst.com, LLC.
[Logout](#) | [Browser](#)