

Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative

1. **PURPOSE**

The purpose of this Request for Statement of Qualifications (RFSQ) process is to secure multiple qualified vendors to harden homes against the risk of wildfire losses through ignition resistant retrofit and defensible space measures, so they are more resistant to heat, flames, and embers.

2. **SCOPE OF WORK**

Fire safety is critically important to residents in rural areas. More than half of Shasta County's unincorporated communities are located within very high or high fire severity zones. To better protect the homes of residents living in areas most vulnerable to wildfire, the Shasta County Fire Safe Council (SCFSC) has been selected to establish a pilot California Wildfire Home Hardening Program in collaboration with the California Office of Emergency Services (Cal OES) and the California Department of Forestry and Fire Protection (CAL FIRE).

The California Wildfire Mitigation Program - Shasta County program will focus on retrofitting homes with fire-resistant materials and creating defensible space at privately owned residential homes in the Whitmore, Oak Run, and Lakehead project areas within Shasta County. The program will provide financial assistance on behalf of homeowners, primarily striving to serve socially vulnerable and low and moderate-income homeowners, in addition to providing community and homeowner wildfire education on defensible space and home retrofitting. The goal of the program is to harden up to 500 homes over the course of a three-year performance period.

In support of this grant program, SCFSC is seeking qualified companies to enter into master agreements to provide home hardening wildfire retrofits in Whitmore, Oak Run and Lakehead. Home hardening addresses the most vulnerable components of a home with building materials and installation techniques that increase resistance to heat, flames, and embers that accompany most wildfires. Homes selected for the program will be privately-owned residential (site-built, modular, and mobile), and will not include apartment complexes or commercial buildings.

All work completed under the scope of this project shall be done in accordance with the California Building Code Chapter 7A and Shasta County Local Building Code, and California Public Resource Code 4291. Interested vendors who meet the minimum requirements, as outlined in Section 2 below, may submit a Statement of Qualifications (SOQ) for one or all the following nine (9) service categories (Detailed descriptions of the Requirements for Service for each of the service categories listed below are included in Attachment A):

1. Roof Replacement (Attachment A, pp. 1-3)
2. Windows/Doors (Attachment B, pp. 1-3)
3. Vent Replacement (Attachment B, pp. 1-3)
4. Garage Door Replacement (Attachment B, pp. 1-3)
5. Gutter Replacement (Attachment B, pp. 1-3)
6. Walls/Siding (Attachment B, pp. 1-3)
7. Attachments to Residence (Attachment B, pp. 1-3)
8. Mobile Home Skirting Replacement (Attachment B, pp. 1-3)
9. Defensible Space (Attachment B, pp. 1-3)

3. **VENDOR'S MINIMUM QUALIFICATIONS**

The following minimum qualifications apply to all the nine (9) service categories listed in Section 2, Scope of Work above.

Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative

- General Contractor must hold a current license as a General “B” (Residential Builder), “B-2” (Residential Remodeler), HIC (Home Improvement Contractor), C-47 (General Manufactured Housing Contractor) and/or C-61 (Limited Specialty) in California,
- Roofers must hold a current license as a D-39 in California.
- Defensible Space Contractors must hold a current license as a D-49 (Tree Service) and/or C-27 (Landscaping Construction) in California.
- General Contractor must not be debarred from conducting business with the state of California.
- General Contractor must not be on the SAM.Gov debarment or suspended list.
- General Contractor must possess a current business license where required by local law.
- General Contractor and any subcontractor shall obtain, from an insurance carrier authorized to transact business in the State of California, and maintain continuously during the term of this agreement, Commercial General Liability Insurance coverage for owned and non-owned automobiles and other insurance necessary to protect SCFSC and the public with limits of liability of not less than \$1 million combined single limit bodily injury and property damage. General Contractor and any subcontractor shall obtain and maintain continuously required Workers’ Compensation and Employer’s Liability Insurance to cover General Contractor, subcontractor, General Contractor’s partner(s), subcontractor’s partner(s), employees, and subcontractor(s) employees with an insurance carrier authorized to transact business in the State of California covering the full liability for compensation for injury to those employed by General Contractor or subcontractor.
- General Contractor(s) and any subcontractor(s) shall obtain and maintain continuously required Workers Compensation and Employer’s Liability Insurance to cover General Contractor, Subcontractor, General Contractor’s partner(s), subcontractor’s partner(s), employees, and subcontractor(s) employees, with an insurance carrier authorized to transact business in the State of California, covering the full liability for compensation for injury to those employed by General Contractor or subcontractor.
- General Contractor must possess sufficient financial stability to enable the General Contractor to finance the retrofit for up to 45 days from the date of completion and acceptance of site work while reimbursement from SCFSC is processed.
- General Contractor is expected to comply with Title 2 of the Code of Federal Regulations Part 200 (2 CFR 200), which establishes administrative requirements and cost principles on federally funded projects.
- Contractors are required to provide a Performance Bond for 100% of the contract price.
- Contractors are required to provide a Payment Bond for 100% of the contract price.

4. **ANTICIPATED SCHEDULE**

All proposers will be notified of SCFSC selection upon review and approval of qualifications. The RFSQ process will remain open until a satisfactory number of contractors have responded.

5. **QUESTIONS**

Questions about this RFSQ must be submitted in writing (email is acceptable)

Email questions to: ShastaFSC338@gmail.com.
Please Reference “CWMP RFSQ Questions” in Subject line.

**Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative**

6. INSTRUCTIONS TO VENDORS

Interested parties should submit a Statement of Qualifications (SOQ) package with the following contents:

- Complete and sign the Prequalification Questionnaire (Attachment B), including any additional attachments that are requested in the table. Complete only the sections of the questionnaire that apply to your company (general contractor, roofer, defensible space contractor).
- Provide a short resume that includes examples of work completed by your company that applies to the scope of work described in this RFSQ. Please include project descriptions, project contact name, address, and phone number as references.
- Proof of insurance including (at minimum) commercial general liability, automobile liability, and workers compensation and employers' liability for General Contractor, subcontractor, General Contractor's partner(s), subcontractor's partner(s), employees, and subcontractor(s) employees.

Completed SOQs should be submitted electronically to SCFSC via email to ShastaFSC338@gmail.com. Please Reference "CWMP RFSQ" in Subject line.

7. REVIEW OF STATEMENTS OF QUALIFICATIONS

Each SOQ will be reviewed by SCFSC for completeness and adherence to the rules stated in this document. Contractors meeting the minimum qualifications listed in Section 3 of this document and were determined by SCFSC to have submitted a fully responsive, complete, and accurate SOQ as outlined in Section 6 of this document will be invited to enter into a Master Agreement to be placed on the list of pre-qualified vendors.

8. ASSIGNMENT OF WORK

As homesites participating in this Program are ready, SCFSC will notify the Contractors on the pre-qualified vendor list of the opportunity to provide a quote to perform a specific scope of work on a home or batch of homes. SCFSC will provide a quote package to all Contractors on the pre-qualified list. The Quote Package will include the specific scope for each home. Contractors who wish to submit a quote in response to the opportunity will be required to attend a mandatory walk-through. Contractors will be required to verify exact measurements, sizes and quantities to perform the scope of work. Any under estimation or failure on the part of the Contractor or any of its subcontractors to properly estimate the time, labor, and/or materials to perform the scope will be the responsibility of the Contractor.

Work Orders: The Contractor from the pre-qualified list who responds to the quote opportunity with the best price fully responsive to the quote specs will be issued a task order to perform those services. It should also be noted that as part of that task order, the selected Contractor from the pre-qualified vendor list will be asked to enter to a tri-party agreement between themselves, the homeowner, and the SCFSC. There is no guaranteed minimum amount of work.

Payment for all work shall be on a fixed price per deliverable basis. General Contractors are not required to bid on Work Orders if they choose not to. Only those General Contractors qualified for the specific category will be contacted to submit bids on Work Orders. SCFSC reserves the right to use other than the lowest cost General Contractor(s) if, in its sole discretion, it is deemed necessary to respond to an emergency, or to ensure work is completed within a narrow window of

Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative

opportunity. As per 2 CFR 200.320(b)(1)(ii)(E): “Any and all bids may be rejected if there is a sound documented reason.”

Work Completion: General Contractor agrees to furnish all labor, materials, tools, equipment, permits, licenses, and services for the work. All work shall be performed in a workmanlike manner, in accordance with the Shasta County Fire specifications, Shasta County Local Building Code and Ordinances, California Building Code 7a, California Public Resource Code 429, industry standards and manufacturer specifications. Substantial Completion shall be achieved within thirty (30) calendar days to seventy (70) calendar days, dependent upon the extent of the scope of work. An additional seven (7) calendar days to fourteen (14) calendar days shall be allowed for final completion including punch list items. This timeline is an estimate and each individual work order will solidify the timetable. Work shall not begin until SCFSC Construction Manager has issued a Notice to Proceed (NTP). The minimum timeframe for beginning work after a NTP is issued shall be seven (7) days. Substantial Completion is the state in the progress of the work when the work is sufficiently complete in accordance with the Contract Documents so that the work can be occupied and utilized for its intended use. The number of calendar days from the date of the NTP through the date set forth for substantial completion shall constitute the “Term”. All Work shall be completed in a workmanlike manner according to standard practices for the industry and trade. The property shall remain homeowner occupied during construction.

Defects or Deficiencies: Any defects or deficiencies in materials or workmanship that are deemed by the SCFSC as needing immediate correction shall be addressed by the Contractor within ten (10) days of receiving written notification by the SCFSC.

Correspondence: All communications, written or verbal, between the Contractor and homeowner shall be conducted through the SCFSC Construction Manager. If the Contractor has questions or clarifications that need to be made, the Contractor shall contact SCFSC to discuss the issues that need clarification. Written correspondence shall be in email form and shall be addressed to the SCFSC Construction Manager. Whenever practical, the use of email is preferred form of communication for the project correspondence, and it is recommended that all verbal communications regarding design or contract related issues be followed up with a confirmatory email to the parties involved. The Contractor will be required to respond to any phone, verbal, or electronic communication from the SCFSC Construction Manager, or any other representative of the Program, by the close of business the next day.

9. SCFSC RESPONSIBILITIES

If invited to enter into Master Agreement with the SCFSC and added to the list of pre-qualified vendors for the Program, Contractors will be asked to conform with the terms and procedures set forth in the Agreement and subsequent Contract Documents which shall include, but not be limited to, Work Orders, and related tri-party agreements between the Contractor, homeowner, and SCFSC (for which SCFSC will serve as agent).

SCFSC will pay Contractor on behalf of homeowner for satisfactory performance of this Agreement and any subsequent work orders. SCFSC’s representatives shall issue all communications to General Contractor. SCFSC has the authority to request changes in the work in accordance with the terms of this Agreement. SCFSC has the authority to stop work or to suspend any work for any reason, including but not limited to Contractor default.

10. GENERAL CONTRACTOR’S GENERAL RESPONSIBILITIES

Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative

Contractor and any subcontractors must possess and maintain current licenses required by the State and County in the trades for which they are performing work. Contractor maintain insurance as specified in this RFSQ and subsequent Master Agreement. Contractor shall comply with all applicable laws, ordinances, rules, regulations, and orders of any public body having jurisdiction over the safety of persons or property, or to protect them from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. All, injury, or loss to any property caused, directly or indirectly, in whole or in part, by General Contractor, any Sub-Contractor, or anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, shall be remedied by General Contractor. General Contractor's duties and responsibilities for the safety and protection of the work shall continue until such time as the work is completed and accepted by SCFSC.

Contractor shall always have a competent job superintendent on the worksite while work is in progress. The superintendent will be Contractor's representative at the worksite and shall have authority to act on behalf of Contractor. All directions given to the superintendent shall be binding on Contractor.

Contractors and any of their subcontractors performing work through this Program must, at a minimum, adhere to the following work conditions:

Worksite: All construction equipment, stored materials and equipment, and the operations of workers shall be contained to only those areas prescribed by SCFSC. Contractor is responsible for the secure storage of all equipment and materials. The Homeowner and SCFSC will not be held liable for any losses or damages sustained during the construction project. The Contractor will not store equipment and materials on site that are not used for the work described in the contract/work order for that homesite. During the progress of the work, Contractor shall keep the premises free from accumulation of waste materials, rubbish, and all other debris resulting from the work. At the completion of the work, Contractor shall remove all waste materials, rubbish, and debris from and about the premises, as well as all tools, appliances, construction equipment and machinery, and surplus materials, and shall leave the site clean and ready for occupancy by the homeowner. Contractor shall restore areas disturbed by construction measures to original condition. Contractor is responsible for any damages made to the property as a result of performing the scope of work. Contractor will repair or replace all damaged property.

General Contractor shall provide onsite portable toilet facilities for all staff use. When applicable, General Contractor shall provide plastic dust barrier to renovated areas to minimize dust and use drop cloths to protect flooring and furniture. General Contractor shall vacuum and clean all areas outlined in the specific Scopes of Work for each project.

Personnel: Contractor shall utilize competent employees in performing the work. At the request of SCFSC, Contractor shall replace any incompetent, unfaithful, abusive and/or disorderly person in Contractor's employ. SCFSC and Contractor shall each be promptly notified by the other of any complaints received. Smoking is prohibited at homeowner's premises and Contractor shall assure that its employees, subcontractors and subcontractors' employees abide by SCFSC's smoking regulations. All Contractor and Sub-Contractor vehicles shall have their company names located on the sides and all personnel shall be required to wear company attire.

Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative

Working Hours: Normal work hours are from 8:00 A.M. to 5:00 P.M., Monday through Friday. Any changes in the work hours must be agreed to by the Construction Manager, homeowner and Contractor and any subcontractors.

Signage: Contractor shall not display any signs, posters, or other advertising matter in or on any part of the Work or around the site thereof without the specific approval in writing by SCFSC.

Permits: Contractor should promptly secure all necessary licenses, permits, inspections and approvals required prior to work beginning and allow all inspections of all work by authorized personnel, including the SCFSC Construction Manager. Contractor or Company Representative will be onsite at all inspections. Contractor shall pay for and post on site all permits and licenses necessary to complete the project.

Program Environmental Property Conditions: Work must be performed using hand-held tools, chainsaws, and/or small rubber-tired, non-tracked equipment such as a wheelbarrow. Treatment areas must be accessed from existing roads and driveway, and equipment must be staged on improved surfaces. Scope of work must be performed without digging or other ground disturbance. Treatment areas must maintain a 150 foot buffer from bodies of water. Contractor must notify Construction Manager if these property conditions cannot be adhered so that additional environmental clearances may be obtained, as appropriate.

Nesting Bird Surveys SCFSC will coordinate nesting bird surveys for site work expected to be performed during migratory bird season (Feb 1– August 31). These surveys must be completed within seven days prior to site work commencement. If site work stops for a period of seven days or more between February 1 and August 31, an additional nesting bird survey must be completed prior to resuming site work. The Contractor must notify the Construction Manager if site work stops for any reason so that a nesting bird survey can be coordinated prior to resuming work, if necessary.

Unexpected Discoveries If unexpected discoveries are identified or unearthed, Contractor must cease work immediately within the vicinity of the discovery. Contractor should notify Construction Manager so that appropriate subsequent notifications may be made to California Office of Emergency Services (Cal OES), Federal Emergency Management Agency (FEMA), and State Historic Preservation Office (SHPO), and any impacted tribes, if applicable.

Damage Any damage to the existing facilities or surrounding grounds occurring as a result of the work performed by the Contractor or any of its subcontractors shall be restored by the Contractor to an acceptable condition as directed by SCFSC Construction Manager. No additional compensation shall be made for site restoration.

Construction Debris Removal & Disposal: Contractor shall be responsible for the removal of all debris associated with performing the work at an approved disposal site, in accordance with all local and state laws and ordinances.

11. **CHANGES IN THE WORK**

Except in an emergency, endangering life or property, no changes in the work shall be made by the Contractor unless Contractor has received a prior written change order signed by the

Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative

homeowner AND authorized representatives of SCFSC. The Agreement sum and Term may be changed only by written Change Order. No extra costs will be paid to Contractor when Contractor has neglected to properly evaluate the extent of the work.

All substitutions and change orders must be approved, in writing, by SCFSC and homeowner prior to installation. Some change orders may require additional environmental and historical preservation approvals. If implementation of the change order would exceed property conditions established by FEMA for the program (extends defensible space zone, cannot be completed using hand tools, for example) or if the change order involves a change to the visual elements of a culturally or historically significant property, the change order will be routed to the appropriate EHP subject matter expert(s) for review and then to FEMA for final approval before the change order work can be approved by the SCFSC and carried out by the Contractor. In addition to possible penalties for performing work without proper environmental clearance, Contractor risks replacing such materials at their own expense. Contact the SCFSC Construction Manager for change orders requiring immediate attention. Contractor to photograph all completed work and provide digital copies to the SCFSC Construction Manager.

12. WARRANTY

Contractor shall guarantee to correct any work that fails to conform to the Contract Documents and shall correct such defects due to faulty materials, equipment, or workmanship which appear during the progress of the work or within a period of one (1) year from the date of final inspection and acceptance or such longer periods of time as may be specified by law or by the terms of any special guarantees required by the Contract Documents. The provisions of this Agreement apply to work done by sub-Contractors as well as work done by General Contractor. Furthermore, Contractor shall furnish homeowner with all manufacturers and suppliers' written guarantees and warranties covering materials and equipment furnished under this Agreement.

13. EMERGENCIES

In an emergency affecting the safety of life or property, Contractor, without special instruction or authorization from SCFSC Construction Manager, is hereby permitted, authorized and directed to act at its own discretion to prevent threatened loss or injury. Except in the case of an emergency requiring immediate remedial work, any work performed after regular working hours, on Saturdays, Sundays, or legal holidays, shall be performed without additional expense to SCFSC unless such work has been specifically requested and approved by the SCFSC Construction Manager. Contractor shall file with SCFSC Construction Manager the names, addresses and telephone numbers of their representatives who can be contacted at any time in case of emergency. Contractor representatives must be fully authorized and equipped to correct unsafe or excessively inconvenient conditions on short notice.

14. DEFAULT

Contractors who are determined to be eligible according to the requirements in Section 3 and fully responsive to the items in Section 6, will be invited to enter into Master Agreement with SCFSC as a pre-qualified vendor for the Program. As part of that Master Agreement, SCFSC will reserve the right to immediately cancel either in whole or in part any portion of that Agreement due to failure of Contractor to carry out any obligation, term, or condition of the agreement. SCFSC will issue a written notice of default effective immediately and not deferred by any interval of time. Default shall be any act or failure to act on the part of Contractor including, but not limited to, any of the following:

- Contractor fails to adequately perform the services set forth in the specifications of this agreement.

Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative

- Contractor provides material that does not meet the specifications of the Work Order.
- General Contractor fails to complete the work required within the time stipulated in this agreement, fails to make progress in the performance of this agreement, and/or gives SCFSC reason to believe that Contractor will not or cannot perform to the requirements of this agreement.

15. INVOICING AND PAYMENT

Contractor shall claim payment only for the specified scope and amount identified in the Work Order issued to the Contractor by the SCFSC. Contractor will not be compensated for work done beyond what was assigned through Work Order and for which a Notice to Proceed has been issued.

The Construction Manager will verify all work performed by the Contractor and any of its subcontractors was fully completed and to the satisfaction of the SCFSC and the homeowner. The Construction Manager will provide the Contractor with a “punch list” of any items identified during the physical inspection which need to be addressed before final acceptance of the work. The Contractor shall have five working days to resolve the punch list. Upon receipt of photo documentation from the Contractor and final acceptance of the work by the SCFSC and the homeowner, the Contractor will prepare and submit an invoice to the SCFSC.

SCFSC will pay Contractors within 45 days of receipt of an accurate and complete invoice. Each invoice submitted by Contractor shall specify:

- SCFSC Work Order number
- Date(s) when work was performed
- Address or Assessor parcel I.D. of the property/parcel where work was performed
- A brief description of the deliverable(s) for which payment is claimed, the respective number(s) assigned to the deliverable(s), and the individual amount being billed for each deliverable, and
- The total amount of the invoice.
- Invoices shall be submitted to shasta.fsc@gmail.com

16. DISPUTE RESOLUTION

Any dispute between the Contractor and SCFSC relating to the implementation or administration of the Master Agreement, or any associated work order, may be attempted to be resolved through the following process:

- The parties shall first attempt to resolve the dispute informally in meetings or communications between the Contractor and SCFSC. If the dispute remains unresolved fifteen (15) days after it first arises, the Contractor may request that SCFSC issue a recommended decision on the matter in dispute. SCFSC shall issue the recommended decision in writing and provide a copy to Contractor.
- The recommended decision of the SCFSC shall become final unless, within fifteen (15) days of receipt of such recommended decision, the Contractor submits a written request for review to the SCFSC. In connection with any such review, the Contractor and SCFSC shall be afforded an opportunity to be heard and to offer evidence on the issues presented. If the dispute remains unresolved after review by the SCFSC, either party may seek judicial resolution of the dispute in an appropriate court within Shasta County, California.
- Pending final resolution of a dispute under this section, the Contractor shall proceed diligently with performance in accordance with this agreement and SCFSC's recommended decision.

**Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative**

ATTACHMENT A

Requirements For Service

**REQUIREMENTS FOR SERVICE CATEGORY #1
ROOF REMOVAL AND REPLACEMENT
(PERMIT REQUIRED)**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, size and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- The General Contractor shall meet all requirements for the California Building Code (CBC) Chapter 7A, Section 705A and Chapter 15. In addition, the General Contractor shall meet all requirements for California Residential Code (CRC) R337.5.2, CRC Section R901.1- R908.6, and CRC Chapter 9 or equivalent local ordinance.
- Roof valley retrofit shall comply with CBC Section 705A.3 Roof Valley and CBC Chapter 15 or CRC R337.5.3 Roof Valleys and CRC Chapter 9 or equivalent local ordinance.
- Roofs will be installed in accordance with its listing and the manufacturer's installation instructions.
- General Contractor is responsible for confirming all measurements, roof square footage, and quantities for all roofing materials required to complete roof replacement when final quote is submitted.
- Shingle color to be selected by homeowner.
- General Contractor is required to notify Construction Manager two working days in advance of roof tear-off date.
- Prior to dry-in decking, truss and wood fascia work must be inspected by Construction Manager.
- General Contractor and employees must use extreme caution while working around electrically charged wires to existing weather-head. General Contractor and Sub-Contractors are responsible for providing safety training for all employees and trades while conducting work activities related to this project.
- Remove all existing shingles and underlayment down to roof decking.
- Replace roof covering with Class A.
- Replace plastic skylight with multi-pane tempered glass outer pane. If skylight opens, install metal screen on the inside and mesh will not exceed 1/8". If screen is non-metal on the inside replace with metal screen. Install or replace metal flashing if necessary. Refer to Chapter 7A section 708A (Exterior Windows, Skylights, and Doors) or CRC R337.8.2.1 and CRC R337.8.2.2.
- Install metal flashing at roof-to-wall to avoid moisture problems.
- Install a non-combustible gutter cover. If non-combustible gutter cover cannot be installed on combustible gutter, replace gutter with a non-combustible and corrosion resistant material not less than .032 gauge and fitted with non-combustible cover. Roof gutter shall comply with the CBC Section 705A.4 Roof Gutters or CRC R337.5.4 Roof Gutters or equivalent local ordinance.

Shasta County Fire Safe Council Requirements for Service

- Roof gutter replacement color shall be matched with existing building components.
- Install a metal drip edge on all gutters. Roof drip edge shall comply with CBC Section 1503.2 Flashing or CRC Section R903.2 Flashing or equivalent local ordinance.
- Add metal flashing (Drip edge by 1 ½") if fascia does not cover roof sheathing.
- Bird Stops shall be used at the eaves when the profile fits, to prevent debris at the eave (Close, plug, or fill roof opening with metal or non-combustible bird stopping).
- Hip and ridge caps shall be mudded in to prevent intrusion of fire or embers.
- Replace non-metal ridge vents with metal ridge vents.
- Replace off-ridge vents with ember and flame-resistant vents.
- Ridge and off-ridge vents shall comply with CBC Section 706A.2.1 or CRC R337.6.2.1 or equivalent local ordinance.
- Add metal baffles or replace plastic ridge vent with metal ridge vent.
- Buildings shall be provided with natural ventilation in accordance with CBC Section 1202 Roof Ventilation or CRC Section R806 Roof Ventilation.
- For the installation or retrofit of vents, the contractor will make sure there are no gaps or areas where embers can penetrate the concealed space around the vent. Penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E119, ASTM E814, UL 263, or UL 1479 with a positive pressure differential of not less than 0.01 of an inch of water (0.002 kPa).
- Features attached to the roof will be installed with non-combustible attachments and provide adequate clearance underneath the attachment to reduce the accumulation of debris.

Services:

- General Contractor to remove all existing shingles and underlayment down to roof decking.
- General Contractor to remove gutters carefully and reinstall existing gutters when roof is complete.
Note: This only applies to existing gutters.
- Re-nail existing sheathing per code specifications.
- Furnish and install code compliant underlayment properly nailed per code.
- Furnish and install new code compliant roof plumbing vent stacks.
- Apply roofing tar and fasteners, per manufacturer instructions.
- Furnish and install new retrofit adjustable pipe flashing boot around existing weather-head, mounted through roof.
- Remove all water damaged wood fascia around home as needed. Note: Construction Manager must inspect work before covering.
- Furnish and install pressure treated lumber to replace rotten framing, behind finished fascia. Note: Construction Manager must inspect work before covering.
- Furnish and install pressure treated lumber to replace rotten finished fascia. Note: Construction Manager must inspect work before covering.
- Furnish and install same species of lumber to replace rotten trusses, rafters, or truss tails. Note: Construction Manager must inspect work before covering.
- Furnish and install new metal ridge vent with matching shingles install on top surface, per Building Code and Manufacturer specifications.

Shasta County Fire Safe Council Requirements for Service

- Furnish and install new drip edge to covering entire roof perimeter. Drip edge to match color of shingles, per Building Code and Manufacturer specifications.
- Furnish and install 30-year architectural/dimensional shingles for retrofit roof area. Provide warranty information.
- During roof rafter and fascia work, soffits, and other brackets may become loose and come apart. General Contractor to reinstall all loose brackets and soffit sections around entire home, as needed. All damaged soffits during construction are the General Contractor's responsibility to furnish and install to original condition.
- Construct/reconstruct and re-roof any crickets that may be needed for the upslope side of any/all fireplace penetrations.
- Replacement building components shall have a primer and paint applied that matches current the building color, if applicable.
- General Contractor to spread tarps along the base of home to protect shrubs and catch roofing debris during demo and reinstallation.
- General Contractor to thoroughly clean-up roof debris to exterior of home and use rolling magnet device to pick-up nails when roof replacement is completed.

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #2
WINDOWS/DOORS**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, sizes, and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- General Contractor shall meet all requirements for the California Building Code Chapter 7A, Section 708A Exterior Windows, and Doors.
- Window retrofits shall comply with CBC Section 708A Exterior Windows, Skylights and Doors including Section 708A.1-708A.2.1 or CRC Section R337.8 Exterior Windows, Skylights and Doors including Sections R337.8.1 -R337.8.2.1 or equivalent local ordinance.
- When hardening for fire, double pain windows will have both panes tempered.
- The installation of the exterior covering shall comply with the products manufacturer’s installation instructions and CBC Chapter 14 - Exterior Walls including Section 1404.4 Flashing and Section 1404.13 Exterior Windows and Doors or CRC Section R703 Exterior Covering including Section R703.4 Flashing.
- Window retrofits shall also comply with other applicable codes including Installation Standards (CBC 104.9 and CRC R104.9), Efficiency Standards (CEES 150.2(b), Emergency Escape (Egress) Windows in Sleeping Rooms (CBC 1030 and CRC R310.2), Fall Protection (CBC 1015.1 and CRC R312.2), Natural Light and Ventilation (CBC 1204.2, 1202.5.1, and CRC R303.1) and Tempered Glazing (CBC 2406 and CRC R308).
- Penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E119, ASTM E814, UL 263, or UL 1479 with a positive pressure differential of not less than 0.01 of an inch of water (0.002 kPa).
- The window frame shall be constructed of a non-combustible material and the window screen will fit securely without gaps into the window channels or slot. The window screen material shall be aluminum with 18 mesh × 16 mesh and a minimum .21 Wire Diameter (mm).
- Doors shall comply with CBC 708A.3 Exterior Doors or CRC R337.8.3 Exterior Doors or equivalent local ordinance.
- Doors shall be replaced with a similar 708A.3 Exterior Doors or CRC R337.8.3 compliant product.
- For partial exterior door retrofit, install non-combustible door kick plate that covers 100 percent of the bottom 6" of the door, install non-combustible door bottom tested to UL Fire Rate 10C.
- For partial exterior door retrofit, install a non-combustible door jam kit and metal threshold.
- For exterior sliding or swinging screen doors, the door frame shall be constructed of a non-combustible material and the window screen will fit securely without gaps into the window channels or slot and the window screen material shall be aluminum with 18 mesh × 16 mesh and a minimum .21 Wire Diameter (mm).
- General Contractor is responsible for all final measurements of windows and doors.

Shasta County Fire Safe Council Requirements for Service

- General Contractor must provide all materials required to complete replacement of windows and doors.
- Window and door color will be selected by the homeowner.
- General Contractor is required to notify Construction Manager two working days in advance of window and door replacement date.
- Prior to window and door installation, the area must be inspected by the SCFSC Construction Manager.
- General Contractor will remove and discard all existing exterior windows and doors to prepare the site.
- General Contractor will use retrofit windows or equivalent and install according to manufacturer's recommendations.
- General Contractor and its employees must use extreme caution while working around electrically charged wires to existing weather-head.
- General Contractor and Sub-Contractors are responsible for providing safety training for all employees and trades while conducting work activities related to this project.
- General Contractor will shift or store furniture and curtains/blinds.
- General Contractor will use barrier to protect furniture that remains in the room when working and will conduct a deep cleaning of furniture and rooms during and after work.

Services:

Windows

- Replace exterior windows with dual pane windows. Refer to Chapter 7A Section 708A.
- Replace all single paned windows with non-combustible frame and dual pane windows.
- Replace all exposed wooden or aluminum frame dual pane windows with non-combustible frame and dual pane windows along with adding a metal screen.
- Reseal windows and paint around windows to match residential house.
- General Contractor will make sure windows open and close freely once window installation is complete.

Window Screens

- Add properly fitting metal screens on all exterior opening windows following best industry standards.

Exposed Wooden Frame Single Pane

- General Contractor will replace with non-combustible frame and dual pane exterior window.

Exposed Wooden Frame Dual Pane Exterior Windows (without screen)

- General Contractor will add a metal screen.
- General Contractor will replace with non-combustible frame and dual pane exterior windows.

Exterior Doors (non-sliding)

- Furnish and install new pre-hung, insulated metal door. Refer to Chapter 7A Section 708A.3.
- Install metal jam door kit and metal threshold, add metal kick plate and a metal door bottom.

**Shasta County Fire Safe Council
Requirements for Service**

- Replace with metal door frame and metal threshold, add metal kick plate and a metal door bottom.

Exterior Door (sliding)

- Replace with non-wood containing slider with dual pane tempered glass and with metal screen.
- Install with double pane windows (both panes tempered)

Wood Screen Door

- Replace wooden screen door with metal door frame.

Plastic Screen in Screen Door

- Replacing with metal screen (1/16 inch or greater).

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #3
VENT REPLACEMENT**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, sizes, and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- General Contractor will meet all requirements for the California Building Code Chapter 7A, Section 706A and 707A.5.
- General Contractor will remove all existing vents that are not compliant with the California Fire Code Chapter 7A Section 706A and replace with code compliant materials.
- Ridge and Off Ridge Vents shall comply with CBC Section 706A.2.1 or CRC R337.6.2.1 or equivalent local ordinance.
- Buildings shall be provided with natural ventilation in accordance with CBC Section 1202 Roof Ventilation or CRC Section R806 Roof Ventilation.
- Ventilated attics and rafter spaces or CRC 806.2 Minimum Vent Area or equivalent local ordinance.
- All vents (Except Ridge and Off Ridge Vents) shall comply with CBC 706A.2 or CRC R337.6.2.
- For the installation or repair of vents, the contractor will make sure there are no gaps or areas where embers can penetrate the concealed space around the vent. Penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E119, ASTM E814, UL 263, or UL 1479 with a positive pressure differential of not less than 0.01 of an inch of water (0.002 kPa).
- General Contractor is responsible for replacing all vents and furnishing materials as needed.
- General Contractor is required to notify Construction Manager two working days in advance of the tear out date.
- General Contractor and its employees must use extreme caution while working around resident's home.
- General Contractor is responsible for providing safety training for all employees and trades while conducting work activities related to this project.

Services:

- Remove all Ridge Vents in addition to metal baffle and replace with a with a metal ridge vent.
- Remove all Gable Vents and replace with ember and flame-resistant Gable Vents.
- Replace all under eave vents in the under-eave area with ember and flame-resistant vents and add fire caulking around all blocking.

Ridge Vent

- Add metal baffle
- Replace ridge vent with metal ridge vent

Shasta County Fire Safe Council Requirements for Service

Off Ridge

- Replace with ember and flame-resistant vent

Gable Vent

- Removal and replace Gable Vent and replace with ember and flame-resistant vent.
- Replace Gable Vents with ember and flame-resistant material vents. Refer to Chapter 7A Section 706A.

Under eave and any vents in the under eave area on the rake (gable) end of the building

- General Contractor will meet all requirements for the California Building Code Chapter 7A, Section 706A and 707A.5.
- Replacement with ember and flame-resistant vent, add fire caulking around all blocking.
- Create a soffited eave (horizontal) or closed eave (angled) using non-combustible or ignition-resistant material. Refer to Chapter 7A Section 707A.4

Crawl space vents

- Replace with ember and flame-resistant vent and add moisture barrier (reducing required vent area by 10x).

Dryer Vents

- Install metal flapper (closed unless in use)

Makeup Air Intake

- Replace makeup air intake vents with ember and flame-resistant vents.

Other Penetrations (e.g., electrical, water)

- Close with fire caulking and inspect during routine maintenance

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #4
GARAGE DOOR REPLACEMENT**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, size and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- General Contractor will meet all requirements for the California Building Code Chapter 7A, Section 708A4.
- General Contractor will remove all existing garage door materials that are not compliant with the California Fire Code Chapter 7A and replace with code compliant materials.
- Garage doors shall comply with 708A.3 Exterior Doors and the exterior surface or cladding shall be of noncombustible material.
- Garage doors shall comply with CBC Section 708A.4 Garage Door Perimeter Gap or CRC 337.8.4 or equivalent local ordinance.
- The installation of the garage door shall comply with the products manufacturer's installation instructions.
- For garage door partial retrofit, metal flashing shall be installed around the bottom of the door (both inside and outside for first 6 inches (using a metal "C" channel).
- For garage door partial retrofit, add metal flashing to garage door jambs and headers (go as close to the ground as possible (1/4 inch desired, raise wood and extend flashing to lower than bottom of wood) (CBC Chapter 7A compliant).
- For garage door perimeter gap retrofit, exterior garage doors shall resist the intrusion of embers from entering by preventing gaps between doors and door openings, at the bottom, sides and tops of doors, from exceeding 1/8 inch (3.2 mm).
- For garage door perimeter gap retrofit, gaps between doors and door openings shall be controlled by one of the methods described in CBC Section 708A.4 Garage Door Perimeter Gap or CRC 337.8.4 or equivalent local ordinance.
- General Contractor is required to notify Construction Manager two working days in advance of the tear out date.
- General Contractor and employees must use extreme caution while working around resident's home.
- General Contractor and employees must use extreme caution while working around electrically charged wires to existing weather-head. General Contractor and Sub-Contractors are responsible for providing safety training for all employees and trades while conducting work activities related to this project.

Services:

Shasta County Fire Safe Council Requirements for Service

- If garage door is not metal, cover with metal flashing around the bottom of the door (both inside and outside for first 6 inches using a metal “C” channel)
- Add metal flashing at base of the framing for first 6 inches, going as close to the ground as possible (< 1/8” desired, raise wood and extend flashing to lower than bottom of wood)
- Add gasketing if gaps are present
- Replace all wooden garage doors with metal doors.
- Add metal flashing to wooden door jams and headers.
- Paint to match as needed.

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #5
GUTTER REPLACEMENT**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, size and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- General Contractor will meet all requirements for the California Building Code Chapter 7A, Section 705A.4.
- General Contractor will remove all existing combustible materials that are not compliant with the California Fire Code Chapter 7A and replace with code compliant materials.
- Roof gutter covers will be replaced with a noncombustible and corrosion resistant material and if available an integrated metal drip edge.
- Roof gutter covers shall comply with the CBC Section 705A.4 Roof Gutters or CRC R337.5.4 Roof Gutters or equivalent local ordinance.
- If a noncombustible roof gutter cover cannot be replaced over an existing gutter system see (Roof Gutter Retrofit).
- For roof gutter retrofit, roof gutter systems will be replaced with a noncombustible and corrosion resistant material not less than .032 gauge.
- For roof gutter retrofit, roof gutter shall comply with the CBC Section 705A.4 Roof Gutters or CRC R337.5.4 Roof Gutters or equivalent local ordinance.
- Roof gutter replacement color shall be matched with existing building components.
- General Contractor is required to notify Construction Manager two working days in advance of the tear out date.
- General Contractor and employees must use extreme caution while working around resident's home.
- General Contractor and employees must use extreme caution while working around electrically charged wires to existing weather-head. General Contractor and Sub-Contractors are responsible for providing safety training for all employees and trades while conducting work activities related to this project.

Services:

- General Contractor is responsible for the removal of all combustible gutters.
- If there is no gutter, add metal flashing if fascia does not cover roof sheathing.
- Install non-combustible gutter cover.
- If a non-combustible gutter cover cannot be installed on combustible gutter, gutter must be replaced with non-combustible material and fitted with non-combustible cover.
- Installation of a metal drip edge.

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #6
WALL/SIDING REPLACEMENT**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, size and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- General Contractor will meet all requirements for the California Building Code Chapter 7A, Section 707A.3.
- Exterior Covering Full Retrofit:
 - The replacement of the exterior covering for the entire structure or an individual side shall comply with CBC 707A.1-707A.11, CRC R337.7.1 - R337.7.11 or equivalent local ordinance.
 - Flashing will be installed at the base of the exterior covering if there is a gap between the covering and foundation that would allow for the intrusion of embers.
 - The replacement exterior covering will be of a similar design as the structures existing exterior covering.
 - The installation of the exterior covering shall comply with the products manufacturer's installation instructions and CBC Chapter 14 Wall Covering, Section 1404.1-1404.18 or CRC Chapter 7 Wall Covering, Section R703.1-703.17.
 - Wall penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E119, ASTM E814, UL 263, or UL 1479 with a positive pressure differential of not less than 0.01 of an inch of water (0.002 kPa).
 - Replacement building components shall have a primer and paint applied that matches current the building color.
- Exterior Covering Partial Retrofit – Bottom 2 feet:
 - Replace exterior wall covering for the bottom 2 ft (from ground).
 - The replacement of the exterior covering shall comply with one or more of the following requirements as described in CBC 707A.3 Exterior Wall Coverings or R337.7.3 Exterior Wall Coverings:
 1. Noncombustible material
 2. Ignition-resistant material. The ignition-resistant material shall be labeled for exterior use and shall meet the requirements of Section 704A.2.
 3. Fire-retardant-treated wood. The fire-retardant-treated wood shall be labeled for exterior use and shall meet the requirements of Section 2303.2.
 - Flashing will be installed at the base of the exterior covering if there is a gap between the covering and foundation that would allow for the intrusion of embers.
 - Replacement building components shall have a primer and paint applied that matches current the building color.

Shasta County Fire Safe Council Requirements for Service

Services:

- General Contractor will remove and replace all combustible exterior wall covering with non-combustible exterior wall covering.
- General Contractor will replace exterior wall covering with non-combustible materials for the bottom 2 ft (from ground).
- General Contractor will add metal flashing to protect bottom edge of sheathing.
- General Contractor will enclose exposed framing with non-combustible material. If the framing is enclosed with combustible material, it will need to be replaced with non-combustible material.
- General Contractor and employees must use extreme caution while working around electrically charged wires to existing weather-head. General Contractor and Sub-Contractors are responsible for providing safety training for all employees and trades while conducting work activities related to this project.

Bump Outs

- Add on top (of existing cladding) or replace with non-combustible cladding. Trim must be non-combustible.
- If exposed framing, enclosing with non-combustible material. If enclosed with combustible material, replacing, or covering with non-combustible. Trim must be non-combustible and extend (vertically) to account for added material.
- Replacement building components shall have a primer and paint applied that matches current the building color.

Dormer Considerations

Siding

- Replace all combustible siding with non-combustible options.
- Replacing all undereave construction with non-combustible options or cover with non-combustible material.
- Replace all siding around dual pane windows.
- Replacement building components shall have a primer and paint applied that matches current the building color.

Trim

- Install trim that is non-combustible.
- Paint to match as needed.

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #7
ATTACHMENTS TO RESIDENCE**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, size and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- General Contractor will meet all requirements for the California Building Code Chapter 7A, Section 709A.
- Decks shall comply with CBC Section 709A Decking including sections 709A.1.1 Flashing and 709A.3 Decking Surfaces or CRC 337.9.1 - 337.9.5 or equivalent local ordinance.
- The replacement of walking surface deck boards shall comply with one or more of the following requirements as described in CBC Section 709A.3 Decking Surfaces or CRC 337 or equivalent local ordinance.
- The installation of a deck shall also comply with the CBC Chapter 16 Structural Design including section 1604.8.3 Decks. Stairway retrofit will comply with CBC Section 709A Decking.
- The replacement of walking surface stair boards shall comply with one or more of the following requirements as described in CBC Section 709A.3 Decking Surfaces or CRC 337 or equivalent local ordinance.
- For partial stair retrofit, replace stair walking surface deck boards for first 1 ft away from residence.
- Attached sections of fence or gates within 5 feet (Or property line) and attached to a primary residence will be replaced with a non-combustible material as defined by the CBC Section 202 or CRC R201.
- Replace retaining wall length equal to two times retaining wall height with non-combustible material as defined by the CBC Section 202 or CRC R201.
- Retaining walls shall comply with CBC Section 1807 Foundation Walls, Retaining Walls and Embedded Posts and Poles.
- Awnings and coverings shall comply with CBC Section 3105 Awnings and Canopies.

Services:

Decks, Stairs, and Landings that Attach to Residence

- General Contractor will remove all combustible decks, stairs, and landing material.
- General Contractor will replace the walking surface deck boards with non-combustible deck board for first 1 ft. away from residence.
- General Contractor will replace entire deck with non-combustible option (metal or other option). – within 10 feet of the building it is attached to.

Shasta County Fire Safe Council Requirements for Service

Deck-to-Wall Intersection

- General Contractor will replace bottom 2 ft. combustible siding with non-combustible (e.g., fiber cement) and add metal flashing to protect exposed sheathing.
- General Contractor will remove combination decks that are combustible within the 0-5 ft zone around decks, and will replace the combination deck with a non-combustible or fire treated material.

Between Deck Boards

- Insert metal flashing between deck boards at joists.

Fence to Residence

- Replace with non-combustible option (metal or other option). Distance guidance needed (8' minimum).

Steps Connected to Residence

- Introduction of non-combustible barrier/section between steps and house (12 inches minimum).
- Introduction of non-combustible barrier/section between handrails and residence or replace with non-combustible handrail (12 inches minimum).

Other Attachments

- Introduction of non-combustible barrier/section between combustible attachment and residence or replace with non-combustible (12 inches minimum).

Attached Retaining Wall

- Replace retaining wall length equal to two times retaining wall height with non-combustible components.

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #8
MOBILE HOMES**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so General Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded General Contractor starting a specifically assigned project, the General Contractor is required to verify exact measurements, size and quantities, understand job conditions, and to immediately notify the SCFSC Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

General Requirements:

- General Contractor will meet all requirements for the California Building Code Chapter 7A Urban Interface requirements
- If mobile home was built after June 15, 1976, is located on a private lot and is attached to a designated foundation system, it shall comply with the provisions of Section 18551 of the health and safety code. If covered with a non-combustible exterior wall finish (stucco, cement fiber board, etc.) per Shasta County Building Code 704A.3, the exterior covering material shall extend to the ground, except that when a solid concrete or masonry perimeter foundation is used, the exterior covering material need not extend below the top of the foundation.
- Roofs shall have a pitch of no less than 2” vertical rise for each 12” of horizontal run (2:12 bracket) and consist of asphalt shingles or other materials customarily used for conventional dwellings, unless waived by the director of the Shasta County Building Department. All roofing shall have a Class “A” fire rating per California Residential Code, Shasta County building R902.1 Title 24, part 2.5, Chapter 9 and permitted per HCD MH 415

Services:

Skirting

- General Contractor will install mobile home non-combustible skirting on all sides.

Crawl space vents

- General Contractor will install ember and flame-resistant vents if venting is required.

Other attachments to mobile homes (portico/car port)

- Contractor will install 6 inches of metal flashing at the wall intersection.

**Shasta County Fire Safe Council
Requirements for Service**

**REQUIREMENTS FOR SERVICE CATEGORY #9
DEFENSIBLE SPACE
(PERMIT MAY BE REQUIRED)**

DISCLAIMER: All work specified below is not all-inclusive. They are general requirements so Contractors can have a preview of the typical specifications utilized on Home Hardening projects. Prior to an awarded Contractor starting a specifically assigned project, the Contractor is required to verify exact measurements, size and quantities, understand job conditions, and to immediately notify the Construction Manager of any other work necessary to achieve quality finished products that meet or exceed applicable specs and codes prior to work commencing.

Defensible space work may need to be coordinated by the awarded Contractor to ensure project flow and timely task completion. Although the project will have a designated defensible space contractor, it is possible that the awarded Contractor will, on occasion, be required to subcontract to a defensible space contractor if warranted.

General Requirements:

- Contractor will meet all requirements for the California Building Code Chapter 7A, Section 709A.

Defensible Space Measures

Zone 0

- Removal of leaves, needles or other vegetation on roofs, gutters, decks, porches, stairways in compliance with PRC 4291
- No equipment shall be used that will damage existing building components.
- All vegetation removed from the project site will be disposed at an approved facility.
- Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure. Removal of leaves, needles or other vegetation on roofs, gutters, decks, porches, stairways.
- Combustible item removal within Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
- All items designated for removal will be identified by flagging or marking prior to initiating work.
- Remove all woodchips, bark, combustible mulch, synthetic lawns, combustible boards, timbers, planting pots or containers.
- Remove combustible materials located on top of or underneath a deck, balcony, or stairs.
- All combustible material removed from the project site will be disposed at an approved facility.
- All hazardous materials will be disposed of at an approved facility.
- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- Combustible item removal within Zone 0 which extends five feet (5 ft.) from each structure or, if applicable, an attached deck.
- All items designated for removal will be identified by flagging or marking prior to initiating work.
- Remove all woodchips, bark, combustible mulch, synthetic lawns, combustible boards, timbers, planting pots or containers.

Shasta County Fire Safe Council Requirements for Service

- Remove combustible materials located on top of or underneath a deck, balcony, or stairs.
- Remove planting pots or containers, regardless of material, mounted on the structure or located directly beneath a window
- Relocate exposed firewood piles in Zone 0 (that are not completely covered in a fire-resistant material) 30 feet from the primary structure, adjacent residences, accessory buildings, fences and other miscellaneous structures.
- Remove exposed firewood located in Zone 0 and from the property.
- Stumps or logs shall be removed, cut or mulched down to ground level.
- Remove all living, dead or dying grass, including grass lawns, herbaceous ground covers, plants, shrubs and bushes within Zone 0 including underneath decks, balconies, or stairs.
- Tree felling will only be performed on the designated property. Property boundary delineations will be identified prior to the initiation of work. If flagging is required, the property boundary will be identified in red flagging.
- It is the responsibility of the contractor to adhere to local ordinances regulating tree removal and to obtaining applicable permits.
- Trees designated for removal will be marked with blue tracer paint. Designated trees will have a painted highly visible attention band 2” wide at eye level. The attention mark will be visible from 360 degrees and from at least 50 feet. Cut trees will also have two painted stump marks on all marked trees. The stump marks shall be placed in the furrows of the bark at ground level on the downhill and uphill sides of the trees. Stump marks will touch the ground and be at least 2” wide.
- Tree stumps will be removed to ground level. Stump material deposited on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure. Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with “Watercourse and Lake Protection Zone” black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with “Equipment Exclusion Zone” black print.
- Remove all live and dead tree branches 10 feet above the roof and 10 feet away from chimneys and stovepipe outlets. Remove all live or dead branches or ladder fuels within five feet (5 ft.) of the sides of the structure in Zone 0.
- The contractor will prepare a hardscaping site plan that include all areas around the structure including any attached decks.
- The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
- The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.

Zone 1:

- Annual Grasses and Forbs will be mowed or cut and should not exceed 4 inches in height. If there are areas that need to be retained to a height not to exceed 18 inches above the ground, where necessary to stabilize the soil and prevent erosion, the areas will be identified to the contractor and flagged prior to the initiation of work. Removal of all branches within 10 feet (or more if local ordinance is more stringent) of any chimney or stovepipe outlet.
- Removal of leaves, needles, cones, bark, etc. from roofs, gutters, decks, porches, stairways, etc.

Shasta County Fire Safe Council Requirements for Service

- Stumps or logs shall be removed, cut or mulched down to ground level.
- Vegetation stems/stobs/stumps will be removed to ground level.
- Lower limbs of trees will be limbed/pruned to at least 6 feet up to 15 feet (or the lower 1/3 branches for small trees).
- Removal of dead and dying trees, branches and shrubs or other plants adjacent to or overhanging buildings.
- If this includes the removal of conifer trees, ensure the procedures for obtaining a timber harvest exemption are followed (if applicable).
- Trees designated for removal will be marked with blue tracer paint. Designated trees will have a painted highly visible attention band 2” wide at eye level. The attention mark will be visible from 360 degrees and from at least 50 feet. Cut trees will also have two painted stump marks on all marked trees. The stump marks shall be placed in the furrows of the bark at ground level on the downhill and uphill sides of the trees. Stump marks will touch the ground and be at least 2” wide.
- Tree stumps will be removed to ground level.
- It is the responsibility of the contractor to adhere to local ordinances regulating tree trimming and to obtain applicable permits.
- Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with “Watercourse and Lake Protection Zone” black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with “Equipment Exclusion Zone” black print.
- Removal of dead and dying grass, plants, shrubs, trees, branches, leaves, weeds and needles within (the distance provided by state or local ordinance) of the home.
- If this includes the removal of conifer trees, the subrecipient will ensure the procedures for obtaining a timber harvest exemption are followed (if applicable).
- Creation of appropriate separation of (the distance provided by state or local ordinance) between shrubs and live flammable ground cover and all structures.
- If this includes the removal of conifer trees, ensure the procedures for obtaining a timber harvest exemption are followed (if applicable).
- Removal of any flammable vegetation or items that could catch fire that are adjacent to or below combustible decks, balconies, and stairs.
- If this includes the removal of conifer trees, the subrecipient will ensure the procedures for obtaining a timber harvest exemption are followed (if applicable).
- Relocation of firewood and lumber not completely covered in fire-resistant material to Zone 2 or distance established by local ordinance if more stringent
- Installation of hardscape like gravel, pavers, concrete and other non-combustible mulch materials. No combustible bark or mulch.
- Replacement of combustible fencing, gates, and arbors attached to the residence with non-combustible alternatives
- Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with “Watercourse and Lake Protection Zone” black print. Equipment Exclusion Zone

Shasta County Fire Safe Council Requirements for Service

delineations will be identified with yellow and white stripe flagging with “Equipment Exclusion Zone” black print.

- All vegetation removed from the project site will be disposed at an approved facility.
- Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.

Zone 2:

- Annual Grasses and Forbs will be mowed or cut and should not exceed 4 inches in height. If there are areas that need to be retained to a height not to exceed 18 inches above the ground, where necessary to stabilize the soil and prevent erosion, the areas will be flagged prior to the initiation of work.
- Trimming or removal of any tree branches that are at least (the distance provided by state or local ordinance) from the ground.
- Tree felling for designated trees within Zone 2 which extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure, but not beyond the property line.
- The contractor shall utilize qualified tree workers as described in Title 8 California Code of Regulations Section 3420(b). The contractor shall comply with applicable requirements for tree workers identified in Title 8 California Code of Regulations for Tree Work, Maintenance or Removal including sections 3420-3427 & 3458. The contract shall also abide by other requirements in Title 8 California Code of Regulations including, section 2940,2 (Clearances from high-voltage power lines), 3203 (Injury and Illness Prevention), 3328 (Machinery and equipment), 3380 (Personal Protective Devices), 3395 (Heat Illness Prevention), and 3648 (Fall protection). For additional information see the Cal/OSHA Tree Work Safety Guide.
- Lower limbs of trees will be limbed/pruned to at least 6 feet up to 15 feet (or the lower 1/3 branches for small trees).
- Stumps shall be removed, cut or mulched down to ground level.
- Stump material deposited on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- Creation of vertical space (3 times the height of shrub) between grass, shrubs and trees.
- Creation of effective horizontal space between shrubs and trees.
- If this includes the removal of conifer trees, ensure the procedures for obtaining a timber harvest exemption are followed (if applicable).
- If woodpile(s) are exposed, creation of a minimum of 10 feet of clearance, down to bare mineral soil, in all directions.
- Removal of any dead and dying woody surface and aerial fuels.
- Removal of fallen leaves, needles, twigs, bark, cones, and small branches. However, they may be permitted to a depth of 3 inches.

Shasta County Fire Safe Council Requirements for Service

- Removal of logs or stumps embedded in the soil that are close to other vegetation.
- Vegetation will be removed to ground level.
- Groups of vegetation (numerous plants growing together less than 10 feet in total foliage width) may be treated as a single plant.
- Vegetation chipped on site may only be distributed in Zone 2 and only to a permitted depth of 3 inches. Zone 2 extends from thirty feet (30 ft.) to one hundred feet (100 ft.) from each structure.
- Areas with equipment or work exclusions will be flagged prior to the initiation of work. Watershed and Lake Protection Zones (WLPZ) delineations will be identified with blue and white stripe flagging with “Watercourse and Lake Protection Zone” black print. Equipment Exclusion Zone delineations will be identified with yellow and white stripe flagging with “Equipment Exclusion Zone” black print.
- The contractor will be responsible for adhering to requirements outlined in PRC 4427 (Operation of fire causing equipment), PRC 4431 (Gasoline powered saws, etc.; firefighting equipment) and PRC 4442 (Spark arresters or fire prevention measures; requirement; exemptions).
- No operations will be allowed on days identified by the National Weather Service as Fire Weather Watch or Red Flag Warning. The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.
- The contractor will be responsible for adhering to any local daily Fire Danger and Project Activity Level requirements.

Other:

- Ensuring 10 feet of clearance to the bare mineral soil and no flammable vegetation for an additional 10 feet around their exterior.
- Relocate propane tank if necessary.
- Replacing address numbers displayed in contrasting colors (4" min. size) and place where readable from the street or access road.
- Covering the chimney and/or stovepipe opening with a metal screen mesh having openings between 3/8- and 1/2-inch.

**Shasta County Fire Safe Council
Request For Statement of Qualifications
California Wildfire Home Hardening Program – Home Hardening Initiative**

ATTACHMENT B

Prequalification Questionnaire

Contact Information

Company Name:	
License Holder Name:	
Address:	
Phone:	
Email:	
Contact Person Name & Title:	
Address/Phone/Email if different than above:	

Applicable Service Categories (check all that apply)

1. Roof Replacement
2. Windows/Doors
3. Vent Replacement
4. Garage Door Replacement
5. Gutter Replacement
6. Walls/Siding
7. Attachments to Residence
8. Mobile Home Skirting Replacement
9. Defensible Space

General Contractor

CA License Number	Expiration Date	License Type(s) (B, B-2, C-47, C-61, HIC)
Years of experience with private, residential construction?		
Eligible to conduct business in the state of CA?		YES <input type="checkbox"/> NO <input type="checkbox"/>
Currently on the SAM.Gov debarment or suspended list?		YES <input type="checkbox"/> NO <input type="checkbox"/>
Insurance coverage with limits of liability of not less than \$1 million combined single limit bodily injury and property damage? (Attach certificate.)		YES <input type="checkbox"/> NO <input type="checkbox"/>

Does contractor possess sufficient financial stability to enable financing for 45 days while reimbursement from SCFSC is processed?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Compliance with 2 C.F.R 200., Federal guidelines on federally funded projects?	YES <input type="checkbox"/> NO <input type="checkbox"/>
Bonding Capacity (please state dollar amount)	\$

Roofing Contractor

CA License Number	Expiration Date	License Type (D-39)
Years of experience with private, residential construction?		
Insurance coverage with limits of liability of not less than \$1 million combined single limit bodily injury and property damage? (Attach certificate.)		YES <input type="checkbox"/> NO <input type="checkbox"/>
Bonding Capacity (please state dollar amount)		\$

Defensible Space Contractor

CA License Number	Expiration Date	License Type (C-27, D-49)
Years of experience with defensible space?		
Insurance coverage with limits of liability of not less than \$1 million combined single limit bodily injury and property damage? (Attach certificate.)		YES <input type="checkbox"/> NO <input type="checkbox"/>
Bonding Capacity (please state dollar amount)		\$

Contractor Signature & Title:

Date:

Required Attachments

1. Resume including examples of work completed that apply to the scope of work described in this RFSQ. Please include project descriptions, project contact name, address and phone number as references.
2. Proof of insurance including (at minimum) commercial general liability, automobile liability, and workers compensation and employers' liability for General Contractor, subcontractor, General Contractor's partner(s), subcontractor's partner(s), employees, and subcontractor(s) employees.