**Community Resiliency Investment Program**

**2023 FireSmart Community Funding & Supports**

**Worksheet 2: Proposed Fuel Management Activities**

This worksheet is only required for applications that include fuel management activities, including fuel management prescriptions, burn plans, fuel management treatments or fuel management demonstration projects.

Please complete and return the worksheet with the full FireSmart Community Funding & Supports application package. If you have any questions, contact cri@ubcm.ca or (250) 356-2947.

Only one Worksheet 2 should be submitted regardless of the number of proposed treatment units.

**Instructions:**

* To apply for prescription(s) or burn plan(s) only: complete Sections 1, 2 and 3
* To apply for fuel management treatment only (including cultural and prescribed fire or demonstration projects): complete Sections 1, 2 and 4
* To apply for phased fuel management projects (including phased demonstration projects): complete Sections 1, 2, 3 and 4

In cases where other contributions are included for proposed activities, please clearly distinguish between the requested funding amount and other contributions, including in-kind contributions. Detailed cost estimates may be requested.

***New in 2023*** - Applicants are required to review Worksheet 2 with the BCWS Wildfire Prevention Officer/Prevention Specialist and/or FNESS Mitigation Specialist/Liaison and Section 6 of this worksheet must be completed by the BCWS Wildfire Prevention Officer/Prevention Specialist **before the application is submitted.**

**Required Cost Estimate:** Applicants are required to provide a detailed cost estimate for each proposed activity. Applicants are required to propose costs within the cost maximums that reflect local, reasonable estimates. However, with mitigating circumstances (e.g. remote community), applicants can propose costs higher than the maximums if a rationale is provided and accepted. In all cases, eligible activities must be cost-effective.

**Required Cost Calculation:** In addition to the cost estimate, applicants are required to provide a cost calculation for each proposed activity, using the following:

* Incremental staff and administrative costs: total number of hours x hourly wage. Incremental applicant staff and administration costs must be included as part of detailed cost estimate and calculation for each proposed activity.
* Consultant/contractor costs: total number of hours x hourly rate.
* Equipment rentals: total number of hours x hourly rental charge

**Phased Projects:** Applicants that apply for phased projects (prescription and/or burn plan development and fuel management treatment/demonstration for the same treatment unit(s)) are required to provide sufficient detail on estimated treatment size and post-treatment outcomes (e.g. reducing crown fire initiation potential by XX). It is expected that the proposed treatment areas would be less than the proposed assessment area (due to areas that may not be appropriate for treatment, such as riparian corridors or proposed roads).

Applicants can also apply for prescriptions and treatment of different treatment units in a single Worksheet 2.

**Worksheet 2: Proposed Fuel Management Activities**

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| **SECTION 1: Applicant Information** | **CRI-** *(for administrative use only)* |
| Name of Local Government or First Nation:       | Name of Project:       |

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| **SECTION 2: General Project Information** |
| * + - 1. **Type and Location of Fuel Management Activities.** All activities must be located within municipal boundaries, regional district parks or First Nations land and, if applicable, approved to extend onto the Crown land base. Please check all activities that you are applying for funding for:
 |
| **Local Government Land**[ ]  Prescription(s) and/or burn plan(s)[ ]  Fuel management treatment[ ]  Cultural/prescribed fire[ ]  Demonstration project | **First Nations Land** [ ]  Prescription(s) and/or burn plan(s)[ ]  Fuel management treatment[ ]  Cultural/prescribed fire[ ]  Demonstration project | **Provincial Crown Land**[ ]  Prescription(s) and/or burn plan(s)[ ]  Fuel management treatment[ ]  Cultural/prescribed fire[ ]  Demonstration project |
| * + - 1. **Forest Professional.** All activities that fall under the practice of forestry must be developed and, where applicable, signed by a forest professional that is accredited by the Association of BC Forest Professionals and operating within their scope of practice.

Name of forest professional (if known at time of application):      ABCFP Registration Number:       |

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| **SECTION 3: Detailed Project Information – Planning & Development for Fuel Management****Note:** Refer to the 2022 BC Wildfire Service Fuel Management Prescription Guidance document and/or provincial requirements for planning a burn before completing this section. Only complete this section if you are applying to develop prescriptions or burns plans or for phased projects. If not, skip to Section 4.  |
| * + - 1. **Phased Fuel Managment.** Please indicate if this project includes phased fuel management (prescription and/or burn plan development and fuel management treatment/demonstration for the same treatment unit(s))

[ ]  Yes. Describe:      [ ]  No |
| * + - 1. **Hectares to be Assessed.** Please indicate the number of hectares to be assessed.

Local Government Land:       haFirst Nations Land:       haProvincial Crown Land within administrative boundary:       haProvincial Crown Land adjacent to administrative boundary:       ha |
| * + - 1. **Description of Proposed Assessment Area.**
				1. Description of the area(s) proposed for assessment, including proximity to values and linkage to overall community wildfire risk reduction activities.

      * + - * 1. For fuel management demonstration projects only:

Description of visibility and accessibility of proposed location:      Educational component:       |
| * + - 1. **Rationale.**
				1. Rationale for the necessity of the proposed assessment (e.g. improved suppression opportunities along main access corridor, linkages to larger fuel breaks).

     * + - * 1. For fuel management demonstration projects only:

Rationale for project location (i.e. number of visitors):      *Additional information (e.g. fire history, weather trends, prevailing winds, etc.) that supports the treatment as a priority to mitigate negative impacts to the identified values at risk is required to be submitted with Worksheet 2.* |
| * + - 1. **Description, Cost Estimate & Calculation for Planning & Development for Fuel Management**
 |
| A. Fuel Management Prescriptions | Cost Estimate & Calculation |
| Activities related to prescription development (e.g. approved Canadian wildfire modelling, stakeholder engagement). Please describe:       | $      Calculation:       |
| Information sharing with First Nations, as required by the Land Manager. Please describe:        | $      Calculation:       |
| Site evaluation, including field reconnaissance, wildfire threat assessment plots, data collection as outlined in 2022 prescription guidance document and the evaluation of site access. Please describe:       | $      Calculation:       |
| Lay out and traversing of proposed areas for treatments. Please describe:       | $      Calculation:       |
| Preparation of all final report requirements, including maps, spatial data and metadata. Please describe:       | $      Calculation:       |
| Funding Request Sub-total – Prescriptions only: | $       |
| Cost per hectare: | $       |
| B. Activities related to burn plan development including identification of values in containment areas, additional data collection requirements and engaging with burn specialists. Please describe:        | $      Calculation:       |
| Preparation of all final report requirements, including maps, spatial data and metadata. Please describe:       | $      Calculation:       |
| Funding Request Sub-total – Burn Plans only: | $       |
| C. Required professional assessments (e.g. geotechnical, archaeological, fire ecologist, range agrologist, etc.). Please describe:       | $      Calculation:       |
| D. Engagement with Indigenous knowledge keepers to gather and incorporate cultural knowledge into prescription and burn plannin | $      Calculation:       |
| * + - 1. **Rationale for Exceeding Planning & Development Cost Maximums.** As outlined in the Program & Application Guide, the cost maximum for fuel management prescriptions is $425 per hectare.

However, with mitigating circumstances (e.g. remote community), applicants can propose costs higher than the maximums if a rationale is provided and accepted. In all cases, eligible activities must be cost-effective. If the cost per hectare identified in Question 7 A above exceeds the funding maximum(s), provide a rationale:       |

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| **SECTION 4: Detailed Project Information – Fuel Management Treatment**. Only complete this section if you are applying to undertake a fuel management treatment or for phased projects, including demonstration project (limited to 5.0 ha and one per eligible applicant).  |
| * + - 1. **Hectares.** Please indicate the number of hectares to be treated.

Local Government Land:       haFirst Nations Land:       haProvincial Crown Land within administrative boundary:       haProvincial Crown Land adjacent to administrative boundary:       ha |
| * + - 1. **Description of Proposed Treatment Area(s)**.
				1. Description of the proposed treatment area(s) including proximity to values and linkage to overall community wildfire risk reduction activities.

      * + - * 1. For fuel management demonstration projects only:

Description of visibility and accessibility of proposed location:      Educational component:       |
| * + - 1. **Rationale.**
				1. Rationale for the necessity of the proposed fuel treatment (e.g. improved suppression opportunities along main access corridor, linkages to larger fuel breaks).

     * + - * 1. For fuel management demonstration projects only:

Rationale for project location (i.e. number of visitors):      *Additional information (e.g. fire history, weather trends, prevailing winds, etc.) that supports the treatment as a priority to mitigate negative impacts to the identified values at risk is required to be submitted with Worksheet 2.* |
| * + - 1. **Objectives.** Please provide clearly defined objectives and target conditions for fuel management.

This must include fuel reduction loading targets and measures for expected post-treatment fire behaviour outcomes (e.g. reducing crown fire initiation potential by XX and spread by XX from the adjacent stand by reducing surface fuel loading to XX and increasing height to live crown to XX).       |
| * + - 1. **Off-site Debris Disposal.** As outlined in the Program & Application Guide, up to an additional $1,600 per hectare may be considered for funding for off-site debris disposal costs (trucking, tipping fees, etc) with an acceptable rationale and mitigating circumstances (i.e. local reasons as to why pile and burn is not an option).

     A cost estimate for this off-site debris disposal is required in Question 15 below. |
| * + - 1. **Information Sharing with First Nations.** For Provincial Crown Land only, confirmation from the land manager that information sharing with First Nations has been completed.

     *An email from the land manager indicating that First Nations information sharing has been completed is required to be submitted with Worksheet 2.* |
| * + - 1. **Description, Cost Estimate and Calculation & Funding Request for Fuel Treatments Only**
 |
| **A. Fuel Treatments**  | **Cost Estimate & Calculation** |
| Pre-treatment activities: activities required to obtain authorizations, danger tree assessments, notification to First Nations and stakeholders, and public engagement activities. Please describe:       | $      Calculation:       |
| Treatments: pruning, thinning, tree falling, brushing, grazing, onsite debris management (e.g. pile and burning) and/or reforestation. Please describe:       | $      Calculation:       |
| Off-site debris disposal. Please describe and separate this cost from the overall treatment cost (rationale must be provided in Question 13 above):       | $      Calculation:       |
| Post-treatment activities: completion of post treatment data collection, signage and post treatment report. Please describe:        | $      Calculation:       |
| Preparation of all final report requirements, including maps, spatial data and metadata. Please describe:       | $      Calculation:       |
| Funding Request Sub-total – Fuel Treatments Only: | $       |
| Cost per hectare: | $       |
| **B. Cultural and Prescribed Fire** |  |
| Burn preparation activities including fire weather index monitoring, public notification and preparing black lines. Note: pre-burn costs are eligible costs if no burn window is achieved. Please describe:       | $      Calculation:       |
| Burn day activities including spot forecasts, equipment set up and transport (may include aerial ignition) and traffic control. Please describe:       | $      Calculation:       |
| Post-burn activities including post-burn fire effects monitoring, surveys, mop up and final reporting. Please describe:      Where an increased level of mop up (i.e. 100%) is required as indicated by the Burn Boss, in consultation with BCWS, include a contingency cost estimate as a separate budget line item in preparation of potentially dynamic mop up conditions. Please describe:       | $      Calculation:       |
| Expenses related to local cultural protocols | $      Calculation:       |
| Preparation of all final report requirements, including maps, spatial data and metadata. Please describe:       | $      Calculation:       |
| Funding Request Sub-total – Cultural and Prescribed Fire only: | $       |
| Cost per hectare: | $       |
| **C. Demonstration projects**  |  |
| Pre-treatment activities: activities required to obtain authorizations, danger tree assessments, notification to First Nations and stakeholders, and public engagement activities. Please describe:       | $      Calculation:       |
| Treatments: pruning, thinning, tree falling, brushing, grazing, onsite debris management (e.g. pile and burning) and/or reforestation. Please describe:       | $      Calculation:       |
| Off-site debris disposal. Please describe and separate this cost from the overall treatment cost (rationale must be provided in Question 13 above):       | $      Calculation:       |
| Post-treatment activities: completion of post treatment data collection, signage and post treatment report. Please describe:        | $      Calculation:       |
| Education costs. Please describe:       | $      Calculation:       |
| Preparation of all final report requirements, including maps, spatial data and metadata. Please describe:       | $      Calculation:       |
| Funding Request Sub-total – Demonstration costs only: | $       |
| Cost per hectare: | $       |
| * + - 1. **Rationale for Exceeding Fuel Treatment Cost Maximums.** The cost maximums for fuel treatments, cultural and prescribed fire and demonstration projects are outlined in the Program & Application Guide. However, with mitigating circumstances (e.g. remote community), applicants can propose costs higher than the maximums if a rationale is provided and accepted. In all cases, eligible activities must be cost-effective.

If the cost per hectare identified in Question 15 A, B and/or C above exceeds the funding maximum(s), provide a rationale:       |

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| **SECTION 5: Other Funding and/or Expected Revenue from Sale of Forest Products**. *Note: All other financial contributions for eligible portions of the project must be declared in the final report and, depending on the total value, may decrease the value of the grant. This includes any other grant funding and any revenue (e.g. sale of forest products) that is generated from activities that are funded by the FireSmart Community Funding & Supports program.* |
| * + - 1. **Other Confirmed Funding:**

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| * + - 1. **Expected Revenue from Question 15 A, B or C above:**

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| **SECTION 6: Review with Fire Centre and/or First Nations Emergency Services Society***This section must be completed by the BCWS Wildfire Prevention Officer and/or FNESS Mitigation Specialist/Liaison* ***before*** *the application is submitted. In order for the application to be considered for funding, all questions must be answered ‘Yes’.* |
| * + - 1. **General Fuel Management Review**
 |
| Does the applicant have a current and acceptable CWRP or other plan? | [ ]  Yes | [ ]  No | Comments:       |
| Are the proposed treatment units: |  |  |  |
| Located within municipal boundaries, regional district parks or First Nations land and/or extend onto the Crown Land base | [ ]  Yes | [ ]  No | Comments:       |
| Adjacent to community structures | [ ]  Yes | [ ]  No | Comments:       |
| Extend no further than 1 km from structure density class greater than 6 | [ ]  Yes | [ ]  No | Comments:       |
| Are the proposed costs within the funding maximums? If not, is the rationale for higher costs acceptable? | [ ]  Yes | [ ]  No | Comments:       |
| Comments: |       |
| Completed by (BCWS or FNESS): |       |
| Date:  |       |

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| **SECTION 7: Total Funding Request for Fuel Management Activities:** |
| *Subtotals from Question 7 and Question 15 minus other funding (Question 17) and expected revenue (Question 18)* | **$**       |

*Please ensure that the total funding request for Fuel Management activities provided here matches the information provided in Question 6 on the Application Form.*