


Director	 Municipal Manager/Deputy Municipal Manager
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<i>COUNCIL AGENDA</i>	
Date: <u>September 9, 2024</u>	Item: <u>7.3.</u>



DISTRICT OF WEST VANCOUVER
750 17TH STREET, WEST VANCOUVER BC V7V 3T3

COUNCIL REPORT

Date:	August 29, 2024
From:	Heather Keith, Senior Manager, Climate Action & Environment
Subject:	UBCM's Community Resiliency Investment Program – 2024 FireSmart Community Funding and Supports Grant Application
File:	0332-01

RECOMMENDATION

THAT the submission of a grant application for \$100,000 to the Union of British Columbia Municipalities' Community Resiliency Investment Program – 2024 FireSmart Community Funding and Supports be approved.

1.0 Purpose

The purpose of this report is to obtain Council approval to submit a grant application to the Union of British Columbia Municipalities' (UBCM) Community Resiliency Investment (CRI) Program (**Appendix A**). In advancing recommendations from the District of West Vancouver's Community Wildfire Protection Plan (CWPP), the application for this grant is to update the CWPP into the new Provincial template for a Community Wildfire Resiliency Plan and to continue the wildfire fuel management program in West Vancouver.

The application for this grant requires a resolution from Council authorizing the identified projects to proceed.

2.0 Legislation/Bylaw/Policy

The CWPP, completed in 2019, is a policy framework to assist the District of West Vancouver (District) in improving safety and reducing the risk of impacts to the community from wildfires. The CWPP is used to guide the development of emergency response plans, evacuation plans, communication and education programs (including FireSmart), bylaw development in areas of fire risk, and the management of potentially hazardous forest lands adjacent to the community.

3.0 Council Strategic Objective(s)/Official Community Plan

The Official Community Plan (Bylaw No. 4985, 2018) recognizes the importance of enabling infrastructure and community resilience amid climate change impacts such as increasing regional wildfire risk and provides high-level policies that facilitate adaptation and mitigation of wildfire hazards to increase community protection. This includes:

- Policy 2.2.4(h): An environmental plan—including stormwater management, energy efficiency and reduced greenhouse gas emissions, risk management (e.g., forest fire), and other mitigation and adaptation strategies to achieve a sensitive and sustainable development scheme.
- Policy 2.6.18: Review development requirements to address risks of natural hazards (e.g., landslide, flood, debris flow, forest fires and human-wildlife conflicts).
- Policy NE1: Wildfire Hazard Development Permit Area Guidelines: To protect development from the risks of wildfire hazard by taking appropriate precautionary measures, informed by professional studies and assessments to guide safe development, forest management, building design, construction and long-term maintenance and monitoring. The Development Permit Area (DPA) will:
 1. Manage development to:
 - Minimize risk to people and property from wildfire hazards;
 - Minimize the risk of fire to the District's forests and parks; and
 - Promote management activities to reduce wildfire hazards and protect the environment.
 2. Assist in proactively managing conditions affecting potential fire behavior.
 3. Reduce the risk of post-fire hazards including landslides, debris flows, and erosion.
 4. Conserve the ecological, aesthetic, and recreational assets of the District's forests and parks for the benefit of present and future generations.

In addition, Objective 1.4 of Council's 2024-2025 Strategic Plan is to "take steps to protect against the threat of wildfires" with the following deliverables:

- Deliverable 1.4.1: Implementation of the Community Wildfire Protection Plan is completed.
- Deliverable 1.4.2: Completion of WV portion of North Shore fire break.
- Deliverable 1.4.3: Complete five-year review of Community Wildfire Protection Plan and update.

4.0 Financial Implications

This report seeks Council's approval to apply for grant funding to help advance the District's wildfire fuel management program and update the CWPP in the continued implementation of the recommendations in the existing CWPP. A maximum annual amount of \$100,00 can be obtained from the CRI Program.

In March 2024, Council approved budget requests to complete these two programs using the Environmental Reserve Fund. This grant funding would offset and replace a portion of the approved budget, which would then be returned to the Environmental Reserve Fund for use on other climate action initiatives.

5.0 Background

5.1 Previous Decisions

Council, at its November 19, 2019, regular meeting, passed the following resolutions:

THAT

- 1. the 2019 CWPP, attached as Appendix A to the report from the Fire Chief dated October 31, 2019, be approved;*
- 2. the submission of a grant application to the 2020 UBCM CRI Program to support the implementation of West Vancouver's CWPP be approved; and*
- 3. staff report back to Council by April 2020 with a work plan for implementing the CWPP that identifies short, medium and long-term opportunities and initiatives, including funding implications.*

In previous years, Council has approved the submission of grant applications to the UBCM CRI Program to support the implementation of the CWPP.

Council, at its November 16, 2020, regular meeting, passed the following resolution:

THAT the submission of a grant application to the Union of British Columbia Municipalities' 2021 Community Resiliency Investment Program for \$149,014 be approved.

Council, at its June 14, 2021, regular meeting, passed the following resolution:

THAT the submission of a grant application to the Union of British Columbia Municipalities' Community Resiliency Investment Program 2021 FireSmart Economic Recovery Fund for \$102,960 be approved.

Council, at its February 14, 2022, regular meeting, passed the following resolution:

THAT the submission of a grant application to the Union of British Columbia Municipalities' Community Resiliency Investment Program 2023 FireSmart Economic Recovery Fund for \$36,754 be approved.

Council, at its February 26, 2024, regular meeting, passed the following resolution:

THAT the submission of a grant application for \$99,895 to the Union of British Columbia Municipalities' Community Resiliency Investment Program – 2023 FireSmart Community Funding & Supports be approved.

5.2 History

Staff across various departments including Climate Action & Environment, Parks, Planning & Development Services, and Fire & Rescue Services have collaborated on various programs, bylaw amendments, policies, and initiatives to increase short and long-term community wildfire resilience through the implementation of the CWPP. Staff from these departments annually review the CWPP to determine priorities for the following year's work plans and budgets.

6.0 Analysis

6.1 Discussion

The 2024 CRI FireSmart Community Funding & Supports grant application will advance the following recommendations from the CWPP:

1. Recommendation 17 - Completion of the next phase of the wildfire fuel management program in identified high risk areas (Eagle Lake and Westwood Park).
2. Recommendation 29 - Five-year review and update of the CWPP to the Community Wildfire Resiliency Plan Provincial/FireSmart template.

A complete overview of the proposed initiatives is included in **Appendix A**.

6.2 Climate Change & Sustainability

The implementation of these projects will increase community resiliency by reducing interface wildfire risk and by increasing community awareness and understanding of the impacts and increasing risk of wildfires in West Vancouver. Specifically, the wildfire fuel management program that is proposed around critical infrastructure and at the forest interface, will help to mitigate the spread of wildfire from forested areas to municipal services and homes or vice versa. The updated CWPP will help to identify changes in wildfire risk in the last five years and recommendations for continued wildfire risk reduction accounting for new development as well as changes in climate and forest conditions in the last six years since the District's wildfire threat and risk profile was initially completed in 2018.

6.3 Public Engagement and Outreach

The Climate Action & Environment division works closely with the Communications & Community Relations Department to ensure accurate and accessible communication to residents regarding the wildfire fuel

management program. Education and outreach on wildfire management initiatives include:

- maintaining updated information on the District website;
- holding neighbourhood meetings for fuel treatment work; and
- posting public signage about wildfire work, public safety, and area closures.

6.4 Other Communication, Consultation, and Research

To ensure consistent messaging across the North Shore, the District collaborates with both the District and City of North Vancouver and North Shore Emergency Management in continued wildfire education, mitigation, adaptation, and response planning.

7.0 Options

7.1 Recommended Option

THAT the submission of a grant application for \$100,000 to the Union of British Columbia Municipalities' Community Resiliency Investment Program – 2024 FireSmart Community Funding and Supports be approved.

7.2 Considered Options

Without Council approval of the grant application, the District would not be able to secure funding under the UBCM's CRI Program, which would then require these programs to be entirely funded through the Environmental Reserve Fund.

8.0 Conclusion

Approving the motion to submit a grant application to the Union of British Columbia Municipalities Community Resiliency Investment Program would allow the District of West Vancouver to proceed with ongoing implementation and updating of the Community Wildfire Protection Plan.



Author:

Heather Keith, Senior Manager, Climate Action & Environment

Appendix A: UBCM CRI - 2023 FireSmart Community Funding & Supports Application Form

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2024 FireSmart Community Funding & Supports Application Worksheet

This worksheet is required for all applications. Funding permitting, eligible applicants can submit one application between **October 1, 2023 and September 30, 2024**. Please complete and return this worksheet with all required attachments.

All questions must be answered by typing directly in this form. As all questions are reviewed and scored as part of the adjudication process, please do not leave any questions blank. Please provide concise answers, note that cells have limited space, but additional attachments can be submitted if required.

If you have any questions, contact cri@ubcm.ca or (604) 270-8226, extension 220.

SECTION 1: APPLICANT INFORMATION

1. **First Nation or Local Government Name:**

2. **File Number*:**

**Refer to the LGPS Online Application Form submission confirmation email*

SECTION 2: WILDFIRE RISK AND ADDITIONAL EVIDENCE

3A. WUI Wildfire Risk Class. What is the WUI Risk Class (1 – 5) for the general area of interest of your community or proposed activities, including the WUI polygon name, from the risk class map? Refer to Appendix 2 of the Program & Application Guide.

Risk Class:

WUI Polygon Name:

3B. Additional Evidence. If local assessments provide additional evidence of higher wildfire risk than the WUI Risk Class, provide specific evidence of wildfire risk (reference to specific page of a CWRP/CWPP).

Based on the CWPP analysis, there are areas of moderate, high, and extreme fire behaviour threat class but primarily moderate threat class. See page 58 of the Community Wildfire Protection Plan for the breakdown of threat classes within the AOI and page 59 for a map of the threat classes.

3C. Risk Category. For the purpose of FireSmart Community Funding and Supports grants, identify the risk category that you are applying under:

Lower risk of wildfire (base grant of up to \$100,000 per year for up to two years)

Higher risk of wildfire (base grant of up to \$200,000 per year for up to two years)

SECTION 3: FIRESMART COMPONENTS AND ELIGIBILITY CRITERIA

4. Progress to Date. If you were approved for funding under previous rounds of the FireSmart Community Funding and Supports program, please indicate what activities your community has not yet completed but will be undertaking.

2021 project:

N/A

2022 project:

2021 Fuel Management and FireSmart Program - All activities were completed by May 2023.

2023 project:

See interim report for progress update on 2023 funding for FireSmart Activities (LGPS-10072).

5. Required FireSmart Components. Starting in 2024, it will be required for all applicants to have the following FireSmart components developed/active in their community.

CWRPs and CWPPs must be complete and acceptable to the BCWS, FNESS and/or, where applicable, BC Parks. To be considered acceptable, CWRPs must be developed in accordance with the template and guidance document and must include assessment and identification of FireSmart and fuel management priorities.

FireSmart Position

Title of position(s) - Assistant Fire Chief Jeremy Calder, FireSmart Coordinator; 1 year in this position, position previously was held by Louis Orioux from BA Blackwell & Associates (since 2021); general duties include: (1) plan and implement FireSmart activities within the municipality, (2) advise and direct policy decisions of local government, (3) apply for provincial CRI funding to support FireSmart activities, (4) participate in FireSmart and Wildfire working groups, (5) provide advice and information to residents and businesses about FireSmart, and (6) provide feed back to FireSmart regarding events, activities, and initiatives.

Community Wildfire Resiliency Plan or CWPP (if not previously submitted to UBCM, submit plan)

Type of Plan and Date: Community Wildfire Protection Plan (September 2019)

Community FireSmart & Resiliency Committee

Host or participant, participating agencies: (1) The Watershed Wildfire Strategic Partners Working Group comprised of Metro Vancouver, West Vancouver Fire Response, District of North Vancouver Fire Response Service, Coquitlam Fire and BC Wildfire Services; (2) The District of West Vancouver CWPP Planning Group includes the Fire Chief (Gord Howard), FireSmart Coordinator (Jeremy Calder), Senior Manager, Climate Action & Environment (Heather Keith), Climate Action Coordinator (Meghan Wise), and the District's Communications Group. This internal group manages the continued implementation and coordination of the actions in the CWPP.

If you do not have one or more of the required FireSmart components in place, please provide a clear rationale:

SECTION 4: ENGAGEMENT AND PARTNERSHIPS

6. Engagement with First Nations and/or Indigenous Organizations. In the following questions, please identify the specific bands, Treaty First Nations and/or Indigenous organizations that were engaged in advance of submitting the application as well as the specific traditional territory, reserve or other First Nations' land that may be impacted by the proposed project(s). *If applicable, please submit evidence of support for the proposed activities from First Nations and/or Indigenous organizations identified above. This could be in the form of a letter, email or other correspondence.*

6A. Which First Nations and/or Indigenous organizations were engaged as part of the development of this application?

First Nations information sharing and participation is ongoing in the development of the fuel management prescriptions and the archaeological assessments for each treatment area. This will continue to occur as required prior to and during the fuel treatment activities. In addition, during the development of the CWPP, engagement and information with the following First Nations/Indigenous organizations occurred: Squamish, Tsleil-Waututh, Halalt, Kwikwetlem, Lake Cowichan, Lyackson, Shxw'ow'hamel, Skawahlook, Soowahlie, Sto:lo, and Stz'uminus Nations; Cowichan and Penelakut tribes, Musqueam and Seabird Island Bands.

6B. Which First Nations and/or Indigenous organizations will participate in the proposed activities and what specific role will they play?

Squamish, Tsleil-Waututh, and Musqueam Nations participate in the archaeological assessments that are completed in each fuel management treatment area. The project consultant and members of the Nations complete the archaeological field surveys and provide any recommendations to alleviate impacts to cultural sites, where applicable.

6C. Please indicate the extent to which staff and/or elected officials have undertaken Indigenous Cultural Safety and Cultural Humility Training:

North Shore Emergency Management in partnership with the Squamish Ocean Canoe Family hosted cultural safety training for municipal, Squamish Nation, and Tsleil-Waututh Nation staff who work in the Emergency Operations Centre or on the North Shore Resiliency Strategy. The training was a North-Shore-wide approach led by Tsleil-Waututh and Squamish Knowledge Keepers and Elders. The training took place over three months (April to June 2024) and centred on paddle-carving and canoe culture which embodied preparedness, resilience, collaboration, and safety. Heather Keith, Senior Manager, Climate Action & Environment participated in the training as well as several staff from West Vancouver's Fire Department, including our FireSmart Coordinator (Jeremy Calder) and Fire Chief (Gord Howard). Staff from Parks, Communications, Planning, and Engineering also participated in the training.

7. Partnerships and Collaboration. *If applicable, please submit evidence of support for the proposed activities from the Provincial Crown Land Manager or other land manager identified above. This could be in the form of a letter, email or other correspondence.*

7A. Describe how the proposed project will contribute to a comprehensive, cooperative, and regional approach to wildfire risk reduction:

Wildfire management on the North Shore of Vancouver, where the District of West Vancouver is located, is discussed at a regional level with the two other municipalities on the North Shore (City and District of North Vancouver) as well as Metro Vancouver Regional District, and North Shore Emergency Management to ensure all partners are aligned and working together in our wildfire management efforts. The proposed activities are consistent with activities taken by the other partners to protect their communities and infrastructure. The North Shore Emergency Management is a tri-municipal organization that brings together a leadership team across all partners to discuss wildfire management to proactively address risks and emerging concerns as they arise.

7B. Where applicable, please describe the extent to which Provincial Crown Land Manager(s) (BC Parks, Mountain Resorts, Natural Resource District Manager and/or Recreation Sites and Trails) and/or other land managers (e.g. Indigenous Services Canada) have been advised of the proposed activities.

Heather Keith, Senior Manager, Climate Action & Environment engaged with Tony Botica, Wildfire Prevention Officer, BC Wildfire Service, on two occasions: 1) virtual meeting on February 28, 2024 to discuss the application and 2) site visit to the fuel management treatment areas on May 2, 2024 to review the proposed activities. Mr. Botica expressed support for the application and proposed activities. Ms. Keith also engaged with Ryan Village from BC Parks via a virtual meeting on February 28, 2024 to review the proposed activities. Mr. Village expressed support for the application and proposed activities on District land.

8. Additional Information - Please share any other information you think may help support your submission.

Recent multiple wildfires within and around the District AOI, in 2018, 2022, and 2023, while relatively small in size, had significant public safety impacts (e.g., visual distractions, area closures, danger to recreational users of forested lands, smoke conditions, stranding of hikers). Additionally, these fires have generally occurred on steep mountainous terrain and were difficult to access via ground. The District is bordered by contiguous forest (including Cypress Provincial Park and the Capilano watershed), with considerable interface with residential areas, high recreational/trail use, and critical drinking water infrastructure and high consequences in the event of a wildfire (public safety, property, and watershed values). Significant emergency evacuation concerns have been identified for Sunset Beach, Cypress Provincial Park, the Eagle Lake water treatment facility and reservoir, and cabins on Hollyburn Mountain and the Baden Powell trail, further highlighting the need for primary and interface fuel breaks. In addition, Highway 99/1 which transects the District of West Vancouver is a major regional access, transportation, and evacuation corridor, critical for access to other regions as well as municipal traffic. Recent wildfires in the District have directly impacted this transportation corridor and poses concerns related to evacuation, particularly for neighbourhoods above the highway and adjacent to the wildland interface. The evacuation limitations and high-use forested area illustrate the local high risk situation and potential for future impacts and disruption to traffic and the community due to wildfire.

Required Submissions	Related Attachments	
<input checked="" type="checkbox"/> Application Worksheet	Completed CWRP or CWPP (if not previously submitted)	<input checked="" type="checkbox"/>
<input type="checkbox"/> Worksheet 1: Proposed FireSmart Activities	Approval from SPCO (if applying for Phase 2, 3 or 4) for FireSmart structure protection equipment	<input type="checkbox"/>
	List of proposed training with cost calculation and estimate for each FireSmart position	<input type="checkbox"/>
	Completed FireSmart Assessment(s) for eligible FireSmart Projects for Critical Infrastructure	<input type="checkbox"/>
	Completed FireSmart Assessment(s) for eligible FireSmart Projects for Community Assets	<input type="checkbox"/>
	Completed Prescription Checklist and FireSmart Assessment(s) for eligible FireSmart Projects for Culturally Significant Sites	<input type="checkbox"/>
	Completed Prescription Checklist and FireSmart Assessment(s) for eligible FireSmart Projects for Green Spaces	<input type="checkbox"/>
	In cases where critical infrastructure, community assets or culturally significant sites are located on Provincial Crown Land confirmation that the proposed activities are supported will be required from Provincial Crown Land Manager (BC Parks, Mountain Resort Branch, Natural Resource District and/or Recreation Sites and Trails) at the time of application submission.	<input type="checkbox"/>
<input checked="" type="checkbox"/> Worksheet 2: Proposed Fuel Management Activities	For fuel management treatment on <u>Provincial Crown Land only</u> , an email from the Land Manager indicating information sharing with First Nations has been completed	<input type="checkbox"/>
	Overview map of the community, previously completed treatments, proposed treatments for this application, and planned future treatments	<input checked="" type="checkbox"/>

	PDF map and Google Earth compatible KML file, at appropriate scale, outlining the area of interest, proposed treatment units, land status and tenure overlaps	<input checked="" type="checkbox"/>
	If available, current wildfire threat assessment plots and/or fuel loading data and rationale for the proposed treatment unit(s)	<input checked="" type="checkbox"/>
	For fuel management treatment only, a copy of the completed, signed prescription and project spatial layer	<input checked="" type="checkbox"/>
	For cultural burning and prescribed fire only, a copy of the completed burn plan (in addition to the prescription) and project spatial layer	<input type="checkbox"/>
<input checked="" type="checkbox"/> Worksheet 3: Proposed New/Updated CWRP	PDF map and Google Earth compatible KML file, at appropriate scale, outlining the area of interest and eligible WUI.	<input checked="" type="checkbox"/>
	In cases where the eligible WUI is outside of the AOI, confirmation that the proposed risk assessments activities are supported will be required at the time of application submission from Provincial Crown Land Manager (BC Parks, Mountain Resort Branch, Natural Resource District and/or Recreation Sites and Trails), other land managers (e.g. Indigenous Services Canada, local government) and/or First Nations (where overlap on reserves and/or traditional territories may exist).	<input type="checkbox"/>
	In cases where the eligible WUI includes Private Managed Forest Land (PMFL), confirmation that the proposed risk assessments activities are supported will be required at the time of application submission from the PMFL	<input type="checkbox"/>
<input type="checkbox"/> Worksheet 4: Additional Funding for Applicants Impacted by 2023 Wildfires	Worksheet 4 can be submitted with the application or at a later date.	<input type="checkbox"/>
<input type="checkbox"/> Council, Board or Band Council resolution, indicating support for the current proposed activities and willingness to provide overall grant management.		

For regional projects only: Council, Board or Band Council resolution, from each sub-applicant that clearly states approval for the applicant to apply for, receive and manage the grant funding on their behalf.


SECTION 6: SIGNATURE

Applications are required to be signed by an authorized representative of the applicant (i.e., staff member or elected officials). Please note application materials may be shared with the Province of BC, First Nations' Emergency Services Society and the BC FireSmart Committee.

I certify that: (1) to the best of my knowledge, all information is accurate, (2) the area covered by the proposed project is within the applicant's jurisdiction (or appropriate approvals are in place) and (3) we understand that this project may be subject to a compliance audit under the program.

Further, for all proposed activities, I certify that, to the best of my knowledge: all proposed activities meet eligibility and funding requirements as defined in the 2024 Program and Application Guide.

Further, for FireSmart Positions, I certify that: (1) I have read and understand the recommended Job Description(s) and (2) the primary focus of the position will be to support eligible FireSmart activities but that other activities related to emergency management (i.e. EOC, ESS, evacuations), structural fire and/or forestry (i.e. Indigenous Guardians) are eligible as no more than 20% of job duties.

Name: Heather Keith	Title: Senior Manager, Climate Action & Environment
	Date: August 19/24

**A certified digital or original signature is required.*

**Documents should be submitted as Word, Excel, or PDF files.
Total file size for email attachments cannot exceed 20 MB.**

**All documents should be submitted to Local Government Program Services,
Union of BC Municipalities by e-mail: cri@ubcm.ca**

Please include "2024 CRI-Application" in the subject line

2024 FireSmart Community Funding & Supports

Worksheet 2: Proposed Fuel Management

This worksheet is only required for applications that include fuel management activities, including fuel management prescriptions, burn plans, fuel management treatments, cultural burning and prescribed fire, and demonstration projects. If required, complete and return this worksheet with the full FireSmart Community Funding & Supports application package. If you have any questions, contact cri@ubcm.ca or (604) 270-8226, extension 220. Please provide concise answers. Cells have limited space, but additional attachments can be submitted if required.

Please note that fuel management activities are evaluated on a cost per hectare basis and it is expected that projects are undertaken based on the approved cost per hectare. If the approved cost per hectare cannot be achieved, an amendment request must be submitted for approval before fuel management activities commence.

Information provided in Sections 7 and 14 will automatically update the Summary Tab.

SECTION 1: GENERAL PROJECT INFORMATION

1. First Nation or Local Government Name:

2. File Number:

3. 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 Forest Professionals BC and operating within their scope of practice.

A. Name of forest professional (if known at time of application):

Completed Prescriptions Signing Forester: Louis Orioux and Debrah Zemanek
CRI FCFS Application Development Forester: Louis Orioux

B. FPBC Registration Number:

5147

SECTION 2: DETAILED PROJECT INFORMATION - PLANNING & DEVELOPMENT FOR FUEL MANAGEMENT

Note: Refer to the 2023 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 3.

4. Phased Fuel Management

A. 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	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>

B. If yes, describe:

5. Hectares to be Assessed. Please indicate the number of hectares to be assessed:

Please note that when applying for funding for prescriptions and burn plans it is expected that the proposed area is based on an informed estimate of the net prescription or burn plan area. For example, water bodies, rock, roads, etc. should be netted out of the proposed area based on desktop review. Only those areas with an expected fuel management treatment and/or prescribed burn should be included in the hectares for prescriptions or burn plans.

Local Government land:	
First Nations land:	
Provincial Crown Land within administrative boundary:	
Provincial Crown Land adjacent to administrative boundary:	
Total	0.0

6. Description of Proposed Assessment Area

A. Description of the area(s) proposed for assessment, including proximity to values and rationale for the necessity of the proposed assessment (e.g. improved suppression opportunities along main access corridor, linkages to larger fuel breaks).

B. For fuel management demonstration projects only, provide a description of visibility and accessibility of proposed location, proposed educational component, and rationale for project location (e.g. number of visitors)

7. Cost Estimate for Planning & Development for Fuel Management

Information provided in this section will automatically update the Summary Tab. Cells will turn red if values exceed the cost maximums identified in Table 1 of the Program Guide. In this case, rationale must be provided (as a separate attachment) for higher costs. Only cells that are white can be edited. For FireSmart positions, please add the hours and wage in order for the subtotal calculation to work.

7A Assessments & Engagement

FireSmart Positions

Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
FireSmart position costs				\$0.00
Required professional assessments, e.g. geotechnical, archaeological, fire ecologist, range agrologist, etc. (describe below)				
Engagement with Indigenous knowledge keepers to gather and incorporate cultural knowledge into prescription and burn planning				
Admin, consultant and/or travel costs (describe below)				
Other proposed costs (describe below)				
Sub-total:	\$0.00			\$0.00

7B Fuel Management Prescriptions

FireSmart Positions

Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
FireSmart position costs				\$0.00
Activities related to prescription development (e.g. approved Canadian wildfire modelling, stakeholder engagement).				
Information sharing with First Nations, as required by the Land Manager				
Site evaluation, including field reconnaissance, wildfire threat assessment plots, data collection as outlined in 2023 prescription guidance document and the evaluation of site access.				
Lay out and traversing of proposed areas for treatments.				
Preparation of all final report requirements, including maps, spatial data and metadata				

	Admin, consultant and/or travel costs (describe below)				
	Other proposed costs (describe below)				
	Sub-total:	\$0.00			\$0.00
	Cost per hectare:				

7C Burn Plans

FireSmart Positions

Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
FireSmart position costs				\$0.00
Activities related to burn plan development including identification of values in containment areas, additional data collection requirements and engaging with burn specialists				
Preparation of all final report requirements, including maps, spatial data and metadata				
Admin, consultant and/or travel costs (describe below)				
Other proposed costs (describe below)				
Sub-total:	\$0.00			\$0.00

8. Rationale for Exceeding Cost Maximums

As outlined in the Program and Application Guide, the cost maximum for fuel management prescriptions is \$450 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 during the eligibility review with BCWS and/or FNESS. In all cases, eligible activities must be cost-effective. If the cost per hectare identified in Question 7B above exceeds the funding maximum(s), provide a rationale:

SECTION 3: DETAILED PROJECT INFORMATION - FUEL

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).

9. Hectares to be Treated. Please indicate the number of hectares to be treated:

Local Government land:	8.5
First Nations land:	
Provincial Crown Land within administrative boundary:	
Provincial Crown Land adjacent to administrative boundary:	
Total	8.5

10. Description of Proposed Treatment Area

A. Description of the area(s) of proposed treatment, including proximity to values and rationale for the necessity of the proposed assessment (e.g. improved suppression opportunities along main access corridor, linkages to larger fuel breaks).

The Eagle Lake treatment unit (TU) is a primary fuel break and treatment polygon (roughly 1.3 km long and 40-215 m wide) located in the District of West Vancouver. The TU borders the west and southwest edge of Eagle Lake, a District-operated drinking water reservoir with a water treatment facility at the lake's southwest edge. This TU is on municipal land and the southern edge of the boundary borders private property. The Nelson Creek Community Watershed (designated)/Watershed Reserve (CL# 0326778) overlaps the unit. The TU also includes the access road to the reservoir to improve fire response. The Woodburn treatment unit (TU) is a treatment polygon (~150 m long by 30-50 m wide) northwest of the Highway 99 exit for Caulfield Village, in a residential area, within the District of West Vancouver. Situated within Westwood Park, the TU is bordered to the west by a public road, to the south and east by private land, and to the north by municipal land (the park).

B. For fuel management demonstration projects only, provide a description of visibility and accessibility of proposed location, proposed educational component, and rationale for project location (e.g. number of visitors)

11. 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).

Eagle Lake: The objectives of this prescription are to improve the resiliency of the drinking water reservoir and critical water infrastructure to wildfire; reduce the potential rate of spread and intensity of wildfire in the area (see targets below); create an anchor point for firefighting and fire suppression efforts for a fire moving from the south and west (following prevailing winds) towards homes in the British Properties; and, reduce the wildfire risk to the surrounding community and increase public safety. This will be achieved by reducing/maintaining critical surface fire intensity to less than 2000 kw/m by reducing FWD loading to 0.5kg/m² and CWD to 0.5kg/m², removing all conifers and dead trees <17.5cm dbh, remove dead trees only between 17.5-25cm dbh, and >25 cm dbh remove only hazard trees. Post-treatment density should be 600-800 sph conifers ~4 m intertree distance. The primary objective is to remove dead trees and ladder fuels, leaving a healthy and resilient stand, not to achieve any particular stand density.

Woodburn: The objectives of this prescription are to reduce the wildfire risk to adjacent residents and private property along Woodburn Crescent, Woodburn Road, Westwood Drive and The Glen, and increase public safety; reduce the potential rate of spread and intensity of wildfire in the area (see targets below); minimize negative impacts to wildlife habitat, forest health, and air quality through the appropriate management of the stand; and, restore the natural ecosystem of the forested areas of the park by removing yard waste dumping and the ingress of invasive and alien plant species. This will be achieved by reducing/maintaining critical surface fire intensity to less than 2000 kw/m by reducing FWD loading to 0.5kg/m² and CWD to 0.5kg/m², removing all conifers <22.5cm dbh to a target density of 400 sph, and pruning remaining conifers to 3m ht. All debris will be chipped and removed to a composting facility or used for other purposes (municipal operations).

12. Off-site Debris Disposal

As outlined in the Program and 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 14A below.

Pile and burn is not an option DWV is pursuing at this time due to the impact to Metro Vancouver air quality. The cost estimate in Question 14A below is from a qualified contractor who has performed debris disposal work in 2021-2022 and 2022-2023 for the District of West Vancouver (chip hauling).

13. Information Sharing with First Nations

For Provincial Crown Land only, confirmation is required from the Provincial Crown 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.

n/a - treatment units are located on DWV municipal land.

14. Cost Estimate for Fuel Management Treatments

Information provided in this section will automatically update the Summary Tab. Cells will turn red if values exceed the cost maximums identified in Table 1 of the Program Guide. In this case, rationale must be provided (as a separate attachment) for higher costs. Only cells that are white can be edited. For FireSmart positions, please add the hours and wage in order for the subtotal calculation to work.

14A Fuel Management Treatments

FireSmart Positions

Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
FireSmart position costs				\$0.00
Pre-treatment activities: activities required to obtain authorizations, danger tree assessments, notification to First Nations and stakeholders, and public engagement activities	\$33,714.40			
Treatments: pruning, thinning, tree falling, brushing, grazing, onsite debris management (e.g. pile and burning) and/or reforestation	\$359,550.00			
Off-site debris disposal. Please separate this cost from the overall treatment cost (rationale must be provided in Question 12 above)	\$102,833.85			
Post-treatment activities: completion of post treatment data collection, signage and post treatment report	\$11,460.00			
Preparation of all final report requirements, including maps, spatial data and metadata	\$2,040.00			
Admin, consultant and/or travel costs (describe below)	\$334.08			
Other proposed costs (describe below)				
Sub-total:	\$509,932.33			\$0.00
Cost per hectare:				

14B Cultural Burning and Prescribed Fire

FireSmart Positions

Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
FireSmart position costs				\$0.00
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.				
Burn day activities including spot forecasts, equipment set up and transport (may include aerial ignition) and traffic control				
Post-burn activities including post-burn fire effects monitoring, surveys, mop up and final reporting. 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				
Expenses related to local cultural protocols				
Preparation of all final report requirements, including maps, spatial data and metadata				
Admin, consultant and/or travel (describe below)				
Other proposed costs (describe below)				
Sub-total:	\$0.00			\$0.00
Cost per hectare:				

14C Demonstration Projects

FireSmart Positions

Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
FireSmart position costs				\$0.00
Pre-treatment activities: activities required to obtain authorizations, danger tree assessments, notification to First Nations and stakeholders, and public engagement activities.				

Treatments: pruning, thinning, tree falling, brushing, grazing, onsite debris management (e.g. pile and burning) and/or reforestation				
Off-site debris disposal. Please separate this cost from the overall treatment cost (rationale must be provided in Question 12 above)				
Post-treatment activities: completion of post treatment data collection, signage and post treatment report.				
Education costs (describe below)				
Admin, consultant and/or travel costs (describe below)				
Other proposed costs (describe below)				
Sub-total:	\$0.00			\$0.00
Cost per hectare:				

15. Rationale for Exceeding Cost Maximums

The cost maximums for fuel management treatments, maintenance, cultural burning and prescribed fire, and demonstration projects are outlined in the Program and 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 14 A, B and/or C above exceeds the funding maximum(s), provide a rationale:

Per hectare cost maximums are exceeded for several reasons - primarily, a tender system did not identify any contractors who would perform the work for less. There is a high volume of biomass to remove from the treatment areas, which increases both treatment and debris disposal costs and the work around Eagle Lake will be take longer to ensure no damage to critical infrastructure for the water treatment facility. The District of West Vancouver has allocated municipal funding to make up the difference for this project.

16. 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.

Describe:

n/a - there is no expected revenue or funding generated by this work.

SECTION 4: ELIGIBILITY REVIEW WITH FIRE CENTRE AND/OR FNESS

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'.

	To be completed by BCWS Wildfire Prevention Officer and/or FNESS Mitigation Specialist only		
	Yes	No	Comments
Proposed fuel management activities meet the intent of the 2024 FSCFS program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Application builds on recent prescription development with
Treatment units (TU) are identified in a current and acceptable CWRP or CWPP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Application builds on recent prescription development with
TU are located within municipal boundaries, regional district parks or First Nations land and/or extend onto the Crown Land base	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

TU are adjacent to community structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Woodburn neighbourhood and Eagle Lake reservoir and
TU are no further than 1 km from structure density class greater than 6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed costs within the funding maximums? If not, is the rationale for higher costs acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rational provided
Overall Comments: Follow up work based on CWPP recommendations and recent fuel management prescription developed with latest best management practices. The District of West Vancouver has allocated municipal funding to make up the difference for this project.			
Completed by (BCWS or FNESS):	Tony Botica		
Date:	28-Jul-24		

SECTION 5: ELIGIBILITY REVIEW WITH BC PARKS

For applications that include fuel management in BC Parks, this section must be completed by BC Parks before the application is submitted. In order for the application to be considered for funding, all questions must be answered 'Yes'.

	To be completed by BC Parks only		Comments
	Yes	No	
Treatment units (TU) are identified in CWRP or CWPP that BC Parks has reviewed and supports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If prescription was submitted with the application, the prescription is completed on the BC Parks Wildfire Prevention Prescription and supported by BC Parks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No prescription to occur within a Provincial protected area, so use of the BC Parks Wildfire
If prescription is proposed to be developed, the prescription will be completed on the BC Parks Wildfire Prevention Prescription	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No prescription to occur within a Provincial protected area, so use of the BC Parks Wildfire

<p>Applicant is aware that BC Parks authorizations are required to complete this work, BC Parks will complete First Nations consultation, BC Parks will complete stakeholder engagement, and that further phases of a project are not guaranteed as BC Parks may prefer to lead subsequent phases.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>No work to be taking place within a Provincial protected area, so FN consultation, stakeholder engagement, impact assessments, and other BC Parks-led requirements are not required.</p>
<p>Overall Comments: As precriptions will be occurring entirely within DWV municipal lands, BC Parks has no jurisdiction over the proposed activities, but is otherwise supportive of them occurring.</p>			
<p>Completed by (BC Parks):</p>	<p>Ryan Village</p>		
<p>Date:</p>	<p>28-Feb-24</p>		

2024 FireSmart Community Funding & Supports

Worksheet 3: Proposed New or Amended CWRP

This worksheet is only required for applications that include a new CWRP or amendment to an existing CWRP. To be eligible for funding, all CWRPs must follow the 2023 CWRP Template and Guidance Document. If required, complete and return this worksheet with the full FireSmart Community Funding & Supports application package. If you have any questions, contact cri@ubcm.ca or (604) 270-8226, extension 220. Please provide concise answers. Cells have limited space, but additional attachments can be submitted if required.

Information provided in Sections 5 and 7 will automatically update the Summary Tab.

SECTION 1: GENERAL PROJECT INFORMATION

1. First Nation or Local Government Name:

2. File Number:

3. Area of Interest (AOI)

For the purpose of funding, the AOI for a CWRP is all the area that lies within the municipal boundary, regional district boundary, or boundary of First Nations land. For regional districts this could be the boundary of an electoral area that encompasses multiple communities. Refer to the CWRP template and guidance document for more information.

Describe the proposed AOI:

The AOI is the municipal boundary of the District of West Vancouver. The AOI is shown on the CWRP application map as the solid purple outlined polygon.

4. Eligible Wildland Urban Interface (WUI)

For the purpose of funding, the eligible WUI is the area in which risk assessment activities will be undertaken by the approved applicant and is defined as a maximum of one kilometer from the structure density class greater than 6. Risk assessment activities are limited to the eligible WUI; local government land and First Nations land within the eligible WUI must be assessed, but risk assessments on Provincial Crown Land within the eligible WUI is voluntary (but eligible for funding). In cases where the eligible WUI is outside of the AOI, confirmation that the proposed risk assessments activities are supported will be required at the time of application submission from Provincial Crown Land Manager, other land managers (e.g. Indigenous Services Canada, local government) and/or First Nations (where overlap on reserves and/or traditional territories may exist). In addition, risk assessment activities for Private Managed Forest Land (PMFL) are eligible for funding if located within the eligible WUI and only with the consent of the PMFL owner (which must be submitted at the time of application submission).

Describe the eligible WUI and provide the hectares:

6305 hectares of WUI are within the AOI. This is shown on the CWRP application maps as the red diagonally-lined polygon. The WUI overlaps with the Cypress Provincial Park. First Nation reservation land and Cypress Mountain Resort have been removed from the WUI.

A PDF map and Google Earth compatible KML file, at appropriate scale, outlining the AOI and eligible WUI is required to be submitted with Worksheet 3

SECTION 2: NEW CWRP

Information provided in this section will automatically update the Summary Tab. Cells will turn red if values exceed the cost maximums identified in Table 1 of the Program Guide. In this case, rationale must be provided (as a separate attachment) for higher costs. Only cells that are white can be edited. For FireSmart positions, please add the hours and wage in order for the subtotal calculation to work.

5. Cost Estimate for New CWRP

FireSmart Positions

	Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
5A	FireSmart position costs				\$0.00
5B	Planning process	\$3,400.00			
5C	FireSmart disciplines	\$5,100.00			

5D	Wildfire risk assessment (eligible WUI only)	\$10,688.00			
5E	Fuel management treatment unit identification	\$1,360.00			
5F	Template development (including maps and spatial data)	\$8,500.00			
5G	Preparation of all final report requirements, including maps, spatial data and metadata	\$680.00			
5H	Admin, consultant and/or travel costs (describe below)	\$0.00			
5I	Other proposed costs (describe below)	\$1,020.00			
	Sub-total:	\$30,748.00			\$0.00

SECTION 3: AMENDED CWRP

6. Date of Existing Plan and Rationale for Amendment.

The District of West Vancouver has an approved 2019 CWPP. This plan reflects the community's wildfire threat and risk profile from 2018 - as such, the plan is near or at the end of its "shelf-life". Developing a new CWRP would allow for the District to capitalize upon a vastly expanded CRI FCFS program. It would also account for wildfire risk reduction work that has been done within the community and its WUI as well as new development that has occurred within the last five years. Having a new Action Plan will set the District up for planning and implementing wildfire risk reduction over the next five years and continue to support ongoing District wildfire outreach and engagement such as maintaining updated information on its website, social media outreach to foster awareness and education on wildfire issues and risk reduction, fuel management, and installed displays at regional libraries regarding FireSmart initiatives. Further engagement will include holding neighbourhood meetings for fuel treatment work and posting public signage as well as discussions and presentations to the District Environment Committee and other stakeholders.

7. Cost Estimate for Amended CWRP

Information provided in this section will automatically update the Summary Tab. Cells will turn red if values exceed the cost maximums identified in Table 1 of the Program Guide. In this case, rationale must be provided (as a separate attachment) for higher costs. Only cells that are white can be edited. For FireSmart positions, please add the hours and wage in order for the subtotal calculation to work.

FireSmart Positions

Eligible Activity	Cost Estimate	Hours	Wage	Subtotal
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7A	FireSmart position costs				\$0.00
7B	Preparation of all final report requirements, including maps, spatial data and metadata				
7C	Admin, consultant and/or travel costs (describe below)				
7D	Other proposed costs (describe below)				
	Sub-total:	\$0.00			\$0.00

SECTION 4: ELIGIBILITY REVIEW WITH FIRE CENTRE AND/OR FNESS

This section must be completed by the BCWS Wildfire Prevention Officer/Prevention Specialist and/or FNESS Fuel Management Specialist before the application is submitted. In order for the application to be considered for funding, all questions must be answered 'Yes'

To be completed by BCWS Wildfire Prevention Officer and/or FNESS Mitigation Specialist only

	Yes	No	Comments
Proposed CWRP(s) meet the intent of the 2024 FSCFS program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Timely to update
AOI meets CWRP guidance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In discussion to update existing AOI
Eligible WUI meets CWRP guidance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In discussion to update existing WUI area
Proposed costs are within the funding maximums. If not, is the rationale for higher costs acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Overall Comments:	
Completed by (BCWS or FNESS):	Tony Botica
Date:	28-Jul-24

SECTION 5: ELIGIBILITY REVIEW WITH BC PARKS

For CWRPs that include BC Parks in the proposed AOI, this section must be completed by BC Parks before the application is submitted. In order for the application to be considered for funding, all questions must be answered 'Yes'.

To be completed by BC Parks only			
	Yes	No	Comments
AOI is supported by BC Parks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No work to occur within a Provincial protected area. BC
Eligible WUI is supported by BC Parks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No work to occur within a Provincial protected area. BC
BC Parks will be engaged in CWRP update/development	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Applicant is aware that BC Parks authorizations are required to complete this work, BC Parks will complete First Nations consultation, BC Parks will complete stakeholder engagement, and that further phases of a project are not guaranteed as BC Parks may prefer to lead subsequent phases.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No work to be taking place within a Provincial protected area, so FN consultation, stakeholder engagement, impact assessments, and other BC Parks-led requirements are not required for this work as it will take place

Overall Comments:	
Completed by (BC Parks):	Ryan Village
Date:	28-Feb-24