

2019 Community Resiliency Investment Program FireSmart Community Funding & Supports Application Form

Please complete and return the application form by <u>December 7, 2018</u>. All questions are required to be answered by typing directly in this form. If you have any questions, contact <u>cri-swpi@ubcm.ca</u> or (250) 356-2947.

SECTION 1: Applicant Information	CRI- (administrative use only)
Local Government or First Nation: Neskonlith Indian Band / City of Salmon Arm	Complete Mailing Address: 743 Chief Neskonlith Drive, PO Box 318 Chase BC V0E 1M0
Contact Person: Shane Vincenzi	Position: Band Corporation Manager
Phone: (250) 679-3296	E-mail: shanevincenzi@skatsin.com

^{*} Contact person must be an authorized representative of the applicant.

SECTION 2: For Regional Projects Only

 Identification of Partnering Communities. For all regional projects, please list all of the partnering eligible applicants included in this application. Refer to Section 3 in the Program & Application Guide for eligibility.

This project is a partneship between Neskonlith Indian Band and the City of Salmon Arm, BC. The Neskonlith Indian Band is the lead partner in this application.

SECTION 3: Project Summary			
2.	Name of the Project:		
	Neskonlith / Salmon Arm CRI Wildfire Risk Mi	tigation	
3.	Fire Centre (use check boxes). Indicate which Fire Centre the proposed activities are located in (check all that apply)		
	Cariboo Fire Centre	☐ Northwest Fire Centre	
	☐ Coastal Fire Centre	☐ Prince George Fire Centre	
		☐ Southeast Fire Centre	
4.	Project Cost & Grant Request:		
	Total Project Cost: \$207,817.00 Total G	rant Request: \$200,000.00	
	Have you applied for or received funding for the	nis project from other sources? If yes, please	

Additional Information Item 18.1 provide details below.

No, however we have applied for funding under FESBC to compliment this project in the vicinity of this treatment area.

We will be generating revenues through biomass utilization of residues left from removal of Douglas Fir Beetle (DFB) attacked trees in the L1 layer and removal of ladder and gournd fuels in the East Canoe Creek area. We will also be utilizing biomass produced from the thinning of dense Py on IR2.

The shortfall of \$7,817 will be covered by revenues generated from biomass utilization sales in the form of hog fuel to local bio-energy plants.

5. Project Summary. Please provide a summary of your project in 150 words or less.

This project will serve to develop a Community Wildfire Protection Plan for Salmon Arm and update the CWPP for Neskonlith. It will also be used to inform and educate band and city residents on FireSmart principles through FireSmart education days. It will be used to treat reserve (8ha.) and municipal forested lands (5ha.) within reserve and city boundaries to reduce the liklihood of wildfire next to key infrastructure developments. The project will compliment FES project work happening outside of the reserve and city boundaries.

SECTION 4: Requirements for Funding

6. Community Wildfire Protection Plan (or other plan). As outlined in Section 3 of Program & Application Guide, in order to be eligible for funding, applicants must have a current and acceptable CWPP or other acceptable plan that includes assessment and identification of FireSmart priorities.

Please outline how your community meets this requirement. Note: applicants that do not have a current and acceptable plan may apply to develop or update a plan.

This project has been explained and discussed with Mike Aldred, BCWS Fuel Management Specialist of the Kamloops Fire Centre and Pam Shumka, Resource Manager, Okanagan Shuswap Forest District. This project has received consultation from Mike Aldred. It is our plan to develop a CWPP for the city of Salmon Arm with funds from this project and to update the CWPP for the Neskonlith Indian Band Reserves #1,2&3.

If not funded under the Strategic Wildfire Prevention Initiative, attach completed plans, and/or assessments, or excerpts from higher-level plans, with the application form.

- 7. Consultation in Advance of Submitting an Application. In order to qualify for funding, applicants must consult with a BCWS Wildfire Prevention Officer and/or a FNESS Fuel Management Liaison/Specialist regarding the proposed project <u>prior to submitting an application.</u>
 - BC Wildfire Service.
 Contact person: Mike Aldred, RPF

\boxtimes	First Nations' Emergency Services Society
	Contact person: Frank Joe, RFT

SECTION 5: Wildfire Risk & Rationale

8. Wildfire Risk. What is the wildfire risk in your community? This may be evidenced by a wildfire risk class of 1, 2 or 3 for the general area of interest (refer to Appendix 1 of the Program & Application Guide) or local level plan or other information with ground data that shows wildfire threat in proximity to values at risk within and around the community.
Provide specific evidence of wildfire risk (e.g. WUI polygon name from risk class map, reference to appropriate section of a CWPP or other plan, etc.) in your response.
The area around Salmon Arm and IR#3 is WUI P:Salmon Arm RC2 with moderate to extreme Threat Classes. The area around IR#2 is WUIP: Chase RC1 with moderate to extreme Threat Classes.
For the purpose of CRI FireSmart Community Funding & Supports grants, identify the risk category that you are applying under:
Lower risk of wildfire (may apply for grant up of to \$25,000)
Higher risk of wildfire (may apply for grant of up to/exceeding \$100,000)

9. Other Rationale. What other rationale or evidence is there for undertaking the proposed project? This may include local hazards identified in the Emergency Plan; threat levels identified in Hazard Risk & Vulnerability Analysis and/or other risk assessments; demonstrated history of repeated and/or significant interface wildfires and evacuations; or other rationale.

The rationale for undertaking the proposed project is that in each of the communities considered in this proposal (IR#1,2,3, and the City of Salmon Arm) there is a history of catastropic fires (Silver Creek Fire 1998, Eden Fire ~1978, other fires (McGilvary) in the Chase, Neskonlith Lake area). Both the Silver Creek and Eden fires forced evacuation of citizens and resulted in structures being lost on the outskirts of the community. Also, the forests in and around Salmon Arm and IR#3 are dense with a heavy cedar understory and cover the land base from mountain tops to valley bottoms including intermixing within the communities. Salmon Arm and IR#3 are flanked by mountains on 3 sides which frequently are struck by lightning. This Shuswap area has one of the highest incidents of lightning in the Province of BC. IR#2 also has forested areas from mountain tops down into the community. It is a very dry area in the summer and has had a major forest fire next to the reserve in past history. It also had a grass fire in the summer of 2018 which was impeded by recent fuel management treatments.

Evidence of other rationale (e.g. Local Authority Emergency Plan extract, copies of assessments, etc.) is required to be submitted with the application form.

SECTION 6: Detailed Project Information

- **10. Proposed Activities.** Please refer to Section 4 of the Program & Application Guide for eligibility and complete Worksheet 1: Proposed Activities & Budget.
- 11. Partnerships & Collaboration. Please identify any other authorities you will collaborate with on the proposed project (e.g. community or resident organization, First Nation or Indigenous organization or other local government) and outline how you intend to work together.

This project is a regional partnership between the Neskonlith Indian Band and the City of Salmon Arm. Neskonlith will be the project lead and manage the project through it's majority owned corporation Sk'atsin Silvatech LLP. Silvatech will provide project management, technical/professional services and project supervision/QA. The project has support of the Neskonlith Band Council and the Salmon Arm City Council. (See Resolutions attached)

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

This project has several objectives: to mitigate wildfire risk within the communities of Neskonlith IR#2 and the City of Salmon Arm; to utilize residual biomass in local markets for bioenergy production; to reduce greenhouse gases by avoiding the burning of residual biomass; to provide local training and employment to First Nations and others. Furthermore, both of the Neskonlith Reserves and the City of Salmon Arm have a history of large catastrophic fires adjacent to these communities.

The City of Salmon Arm has a large portion of its land base in forested lands, including mature forests. With budgets of \$100,000 per year, it will take decades to treat the forests within the City of Salmon Arm. In order to expidite the treatment process, it is planned that the City of Salmon Arm will increase its potential to treat more area faster by undertaking commercial thinning of mature timber (L1 where available) in its treatment areas and create a community forestry management fund, and utilize the fund to cover the costs for the commercial thinning, improve and maintain access into forested areas for fire suppression, and provide other fuel maintenance treatments in the community forest lands. This will expand the amount of land that can be treated in a given year.

We also hope to be able to establish a similar leverage of commercial thinning for Neskonlith Reserves to be used in a similar fashion as Salmon Arm.

In addition to wildfire fuel management, this project will provide further benefit and serve as a community model by utilizing the residual biomass that comes from stand treatments. We plan to chip or grind the residual biomass and utilize it in local bio-energy plants in the southern interior of BC. We are in discussions with Fink Machine Bioenergy plant in Enderby, the District of Sicamous Bioenergy plant (in-progress), Tolko Pinnical Pellet Lavignton and Merritt Green Energy, and Domtar Kamloops as potential customers to sell the biomass chips to.

Futhermore, we will avoid burning of residual biomass in order to reduce greenhouse gas emissions in this project which may help qualify for carbon credits.

We will be complimenting this project with FES funded projects. The first area in Salmon Arm planned for treatment will be adjacent to the Salmon Arm Community Watershed of East Canoe Creek that is in a trail network area reguarily used by residents. This area is easy to access for a demonstration area before we undertake treatments in the more central part of the community. We will use this area to help with educating residents on the principles of wildfire fuel managemet. The fuel management treatments will compliment Fir Bark Beetle treatments necessary to reduce the spread of bark beetles and the associated fire hazard.

Additionally, we will use this project to develop a Community Wildfire Protection Plan for the City of Salmon Arm and to update the CWPP for Neskonlith Reserves. We will also use funds from this program to hold FireSmart Information/Preparedness and Activity Day(s) in each community to educate residents on fire-proofing their own properties.

The areas to be treated on NIB IR2 land will be TU3(a) (5.9ha) and TU4(c) (2.1ha) next to the main subdivision. The area to be treated in the Canoe Creek Watershed of Salmon Arm is about 5ha at the trail head next to the Citys water intake development. See attached maps.

SECTION 7: Application Check List			
Required Submissions	Related Attachments		
⊠ Application Form	Completed plans, and/or assessments, or excerpts from higher-level plans as required in Q. 6		
	Other rationale as required in Q. 9		
	FireSmart Assessments for structures proposed for demonstration projects as required in Q. 7		
Completed Worksheet 2: Proposed			
Fuel Management Activities	☐ Wildfire threat assessment information for the proposed treatment unit(s)		
0.40 MI-1422 (2) (40)	For fuel management treatment only, a copy of the completed prescription and/or Burn Plan and project boundary spatial layer		
	For fuel management treatment on Provincial Crown land only: email from land manager indicating information sharing with First Nations has been completed		
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 partnering community that clearly states approval for the applicant to apply for, receive and manage the grant funding on their behalf			
Submit the completed Application Form and all required attachments as an e-mail attachment to cri-swpi@ubcm.ca and note "2019 CRI" in the subject line. Submit your application as either a Word or PDF file(s). If you submit by e-mail, hardcopies and/or additional copies of the application are not required.			

SECTION 8: Signature. Applications are required to be signed by an authorized representative of the applicant. Please note all application materials will be shared with the Province of BC and the BC FireSmart Committee.

I certify that: (1) to the best of my knowledge, all information is accurate and (2) the area covered by the approved project is within the applicant's jurisdiction (or appropriate approvals are in place)

Name: Shane Vincenzi	Title: Band Corporation Manager
Signature:	Date: Sept 10, 2019 Version
An electronic or original signature is required.	



2020 Community Resiliency Investment Program FireSmart Community Funding & Supports Application Form

Please complete and return the application form and all required attachments by October 18, 2019.

All questions are required to be answered by typing directly in this form. If you have any questions, contact <u>cri-swpi@ubcm.ca</u> or (250) 356-2947.

SECTION 1: Applicant Information	CRI- (administrative use only)
Name of Local Government or First Nation: Neskonlith Indian Band / City of Salmon Arm	Complete Mailing Address: 743 Chief Neskonlith Drive, PO Box 318 Chase BC V0E 1M0
Contact Person: Shane Vincenzi	Position: Band Corporation Manager
Phone: (250) 679-3296	E-mail: shanevincenzi@skatsin.com

^{*} Contact person must be an authorized representative of the applicant.

SECTION 2: For Regional Projects Only

 Identification of Partnering Communities. For all regional projects, please list all of the partnering eligible applicants included in this application. Refer to Section 3 in the Program & Application Guide for eligibility.

This project is a partneship between Neskonlith Indian Band (NIB) and the City of Salmon Arm (CSA), BC. The Neskonlith Indian Band is the lead partner in this application.

Rationale for Regional Projects. Please provide a rationale for submitting a regional
application and describe how this approach will support cost-efficiencies in the total grant
request.

The NIB has a large reserve within the CSA as well as there being other areas within the CSA that are within the traditional territory of NIB. Both communities have a vested interest in reducing wildfire hazards over much of the same land base. NIB also has experienced fuel management crews that are active and avialable to carry out the required treatments for fuel management and CSA requires that these treatments be carried out by experienced crews. NIB also has professional and technical expertise in wildfire management.

SECTION 3: Project Summary

3. Name of the Project:

Neskonlith / Salmon Arm CRI 2020 Wildfire Risk Mitigation

Project Summary. Please provide a summary of your project in 150 words or less. This project will serve to implement treatments recommended within the Community Wildfire Protection Plans for Salmon Arm and the Neskonlith Indian Band Reserves. It will also be used to inform and educate band and city residents on FireSmart principles through FireSmart education days. It will be used to treat reserve lands (~10ha.veg plus ~19 ha. burn) and municipal forested lands (~11ha. veg mgt.) within reserve and city boundaries to reduce the liklihood of wildfire next to key infrastructure developments. The project will compliment FES project work applied for outside of the reserve and city boundaries on crown provincial lands. Both the reserve lands and the City lands have large parcels of forested lands in and surrounding the communities including parks and vacant lands. 5. Fire Centre (use check boxes). Indicate which Fire Centre the proposed activities are located in (check all that apply) Cariboo Fire Centre □ Northwest Fire Centre ☐ Prince George Fire Centre Coastal Fire Centre ☐ Southeast Fire Centre Project Cost & Grant Request: Total Project Cost: \$333,979 Total Grant Request (as identified in Worksheet 1): \$300,000.00 Have you applied for or received funding for this project from other sources? If yes, please provide details below. No Progress to Date. If you were approved for funding under the 2019 FireSmart Community Funding & Supports program, please describe the activities that have been completed to date and/or what activities your community will be undertaking to increase resiliency. Activities to date include the writing of a CWPP for the City of Salmon Arm (draft stage), and the updating of the CWPP for the Neskonlith Indian Band for 3 reserves. We have completed FireSmart education days for both communities, FireSmart activity days for both communitites, and we have held Community Champion training sessions for both communities. We have plans to implement fuel management activities in the fall of 2019 and winter of 2019-20 for both communities of 5 ha for Salmon Arm and 8 ha for IR2 for NIB.

SECTION 4: Requirements for Funding (refer Section 4 of Program & Application Guide)

8. Engagement Prior to Submitting an Application. In order to qualify for funding, applicants must demonstrate their level of engagement with a BCWS Wildfire Prevention Officer, FNESS Fuel Management Liaison/Specialist, and, if applicable, the FLNRORD district, region, or relevant Land Manager to ensure project alignment with Land Manager priorities.

Please indicate the name(s) and title(s) of the person(s) you engaged with and describe the extent of that engagement.

We have engaged with Mike Aldred of BCWS, Frank Joe from FNESS and Pam Shumka from FLNRORD regarding this project.

9. Acceptable Plan. In order to qualify for funding, applicants must have a current and acceptable plan that includes assessment and identification of FireSmart and/or fuel management priorities (i.e. CWPP, Community Wildfire Resiliency Plan, Integrated Investment Plan, etc.).

Please outline how your community meets this requirement. Note: applicants that do not have a current and acceptable plan may apply to develop or update a plan.

We have developed and delivered a Draft CWPP for the City of Salmon arm and are completing a Draft CWPP for the 3 NIB reserves. These plans will be completed during the fall winter of 2019-20, prior to implementation of the activities proposed under this application

Attach completed plans, assessments, and/or excerpts from higher-level plans, with the application form.

SECTION 5: Wildfire Risk & Rationale

10. A. 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 risk class map? Refer to Appendix 1 of the Program & Application Guide.

The area around Salmon Arm and IR#3 is WUI P:Salmon Arm RC2 with moderate to extreme Threat Classes. The area around IR#2 is WUIP: Chase RC1 with moderate to extreme Threat Classes.

B. If local assessments provide additional evidence of higher wildfire risk than the WUI Risk Class, provide specific evidence of wildfire risk (reference to appropriate section of a CWPP or other plan, etc.)

Most of the local assessments completed were within the range of moderate to high with one exception of extreme. However, all of the reserves and community lands within this application have been threatened by large catastrophic fires in the past (Silver Creek Fire 1989, Eden Fire 1973, McGillvary Fire

Additional evidence for higher wildfire risk (e.g. CWPP extract, copies of assessments, etc.) is required to be submitted with the application form.

C.	For the purpose of FireSmart Community Funding & Supports grants, identify the risk
cat	tegory that you are applying under:
	Lower risk of wildfire (may apply for a grant of up to \$25,000)

\boxtimes	Higher risk of wildfire	(may apply for	a grant of up	to/exceeding	\$150,000
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11. Other Rationale. What other rationale or evidence is there for undertaking the proposed project? This may include local hazards identified in the Emergency Plan; threat levels identified in Hazard Risk & Vulnerability Analysis and/or other risk assessments; demonstrated history of repeated and/or significant interface wildfires and evacuations; or other rationale.

The rationale for undertaking the proposed project is that in each of the communities considered in this proposal (IR#1,2,3, and the City of Salmon Arm) there is a history of catastropic fires (Silver Creek Fire 1998, Eden Fire ~1978, other fires (McGilvary) in the Chase, Neskonlith Lake area). Both the Silver Creek and Eden fires forced evacuation of citizens and resulted in structures being lost on the outskirts of the community. Similar circumstances occurred with the McGilvary fire. Also, the forests in and around Salmon Arm and IR#3 are dense with a heavy cedar understory and cover the land base from mountain tops to valley bottoms including intermixing within the communities. Salmon Arm and IR#3 are flanked by mountains on 3 sides which frequently are struck by lightning. This Shuswap area has one of the highest incidents of

lightning in the Province of BC.

IR#2 also has forested areas from mountain tops down into the community. It is a very dry area in the summer and has had a major forest fire next to the reserve in past history. It also had a grass fire in the summer of 2018 which was impeded by recent fuel management treatments. It currently has a large fuel build up of Yellow Pine advanced regeneration surrounding the main subdivision.

Evidence of other rationale (e.g. Local Authority Emergency Plan extract, copies of assessments, etc.) is required to be submitted with the application form.

SECTION 6: Detailed Project Information

- **12. Proposed Activities.** Please refer to Section 6 of the Program & Application Guide for eligibility and complete Worksheet 1: Proposed Activities & Cost-Estimate. Worksheet 1 is required to be completed for all applications.
- **13. Increasing Resiliency.** Please indicate how the proposed project will increase community resiliency by undertaking community-based FireSmart planning and activities that reduce the community's risk from wildfire.

It is planned for both communities to increase resiliency by implementing neighbourhood boards led by community champions to get local residents working together in cleaning up and treating their properties to reduce risk of fires. On-going annual FireSmart training and activity days will ensure that the program is reinforced each year to build more resilient communities on neighbourhood at a time.

14. Partnerships & Collaboration. Please identify any other authorities you will collaborate with on the proposed project (e.g. community or resident organizations, First Nation or Indigenous organizations or other local governments) and outline how you intend to work together.

This project is a regional partnership between the Neskonlith Indian Band and the City of Salmon Arm. Neskonlith will be the project lead and manage the project through it's majority owned corporation Sk'atsin Silvatech LLP. Silvatech will provide project management, technical/professional services and project supervision/QA. The project has support of the Neskonlith Band Council and the Salmon Arm City Council. (See Resolutions attached)

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

This project has several objectives: to mitigate wildfire risk within the communities of Neskonlith IRs#1,2,3 and the City of Salmon Arm; to utilize residual biomass in local markets for bioenergy production; to reduce greenhouse gases by avoiding the burning of residual biomass; to provide local training and employment to First Nations and others. Furthermore, all of the Neskonlith Reserves and the City of Salmon Arm have a history of large catastrophic fires adjacent to these communities. Increasing resiliency will help prepare the communities for future fire events.

The City of Salmon Arm has a large portion of its land base in forested lands, including mature forests. With budgets of \$150,000 per year, it will take decades to treat the forests within the City of Salmon Arm. In order to expidite the treatment process, it is planned that the City of Salmon Arm will increase its potential to treat more area faster by undertaking commercial thinning of mature timber (L1 layer where applicable) in its City owned treatment areas and utilize the revenues to cover the costs of commercial thinning, improve and maintain access into forested areas for fire suppression, and provide other fuel maintenance treatments in the

community forest lands. On provincial crown lands within the city, it is anticiapated that the city will work in cooperation with forest licencees to plan harvesting that will compliment fuel treatments and reduce treatment costs.

We also hope to establish similar leveraging of commercial thinning for Neskonlith Reserve lands to reduce treatment costs and expedite treatment activities.

In addition to wildfire fuel management, this project will provide further benefit and serve as a community model by utilizing the residual biomass that comes from stand treatments. We plan to chip or grind the residual biomass and utilize it in local bio-energy plants in the southern interior of BC. We are in discussions with Fink Machine Bioenergy plant in Enderby, the District of Sicamous Bioenergy plant (in-progress), Tolko Pinnical Pellet Lavignton and Merritt Green Energy, and Domtar Kamloops as potential customers to sell the biomass chips to. Futhermore, by avoiding burning of residual biomass this project which may help qualify for carbon credits.

We will be targeting three high risk areas to treat in this project. Two will be in the Canoe Creek Watershed near the Metford Dam water intake and on the west side of Canoe Creek. Both of these areas are currently being affected by Douglas Fir Beetle which will lead to increase fire risk. We will also be targeting the Little Mtn Park which is surruounded by subdivisions and acerages and hosts communications towers, water storage infrastructure and heavily used recreational trails. We will also use this area to help with educating the residents on the principles of wildfire fuel management.

The areas to be treated on NIB IR2 land will be TU3(b,c) and TU2(a,b) next to the main subdivision. See attached maps.

SECTION 7: Application Check List			
Required Submissions	Related Attachments		
⊠ Application Form	○ Completed plans, and/or assessments, or excerpts from higher-level plans as required in Q. 9		
	Other rationale as required in Q. 10 and 11		
	FireSmart Assessments for structures proposed for demonstration projects as required in Q. 7		
	PDF map outlining the area of interest, proposed treatments units, land status and tenure overlaps		
Fuel Management Activities	 Wildfire threat assessment information for the proposed treatment unit(s) 		
	For fuel management treatment only, a copy of the completed prescription and/or Burn Plan and project boundary spatial layer		
	For fuel management treatment on Provincial Crown land only: email from land manager indicating information sharing with First Nations has been completed		
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 partnering community that clearly states approval for the applicant to apply for, receive and manage the grant funding on their behalf		
Submit the completed Application Form and all required attachments as e-mail attachments to cri-swpi@ubcm.ca and note "2020 CRI" in the subject line. Submit your application as either a Word or PDF file(s). If you submit by e-mail, hardcopies and/or additional copies of the application are not required.		
SECTION 8: Signature. Applications are required to be signed by an authorized representative of the applicant. Please note all application materials will be shared with the Province of BC and the BC FireSmart Committee.		
I certify that: (1) to the best of my knowledge, all information is accurate and (2) the area covered by the approved project is within the applicant's jurisdiction (or appropriate approvals are in place)		
Name:	Title:	
Signature:	Date:	
An electronic or original signature is required.		