

**Kicking Horse Mountain Resort
Wildfire Mitigation FESBC Application
25 November 2018**

Project Contact Information

Project Title	Kicking Horse Resort Interface Fuel Hazard Abatement	Contact Address	1500 Kicking Horse Trail, Box 330
Primary Purpose	Wildfire Risk Mitigation	City	Golden
Project Location – Country	Kicking Horse Resort	Country	Canada
Project Location – Province	BC	Province	BC
Description of Project Location	Kicking Horse Resort	Postal Code	V0A 1H0
Project Start Date	March 1 st , 2019	Contact Phone	250-439-5530
Project Completion Date	Nov 30 th , 2019	Contact Email	mrubenstein@kickinghorseresort.com
Principle Contact Name	Mike Rubenstein, Area Manager	Proponent's Organization	Kicking Horse Mountain Resort

Financial Plan/Annual Budget

	2018/19 To March 31, 2019	2019/20 April 1, 2019 – March 31, 2020	2020/21 April 1, 2020 – March 31, 2021	2021/22 April 1, 2021 – March 31, 2022	Total
Start Date		April 1, 2019			
End Date		November 30 th , 2019			
Output Category	2018/19	2019/20	2020/21	2021/22	Total
e.g. Treatment area(ha)		Prescription for about 75 ha, treatment of 25 ha			
Cost Category*	2018/19	2019/20	2020/21	2021/22	Total
Material					
Recipient Labour		54,460.00			
Contracted Material/ Labour		125,000.00			
Equipment Charges		15,135.00			
Project Supervision/QA		4,500.00			
Total Funds		199,575.00			

*The above table must be completed both for funds contributed by the proponent and funds requested from FESBC.

Project Description

Full Proposal Number	<i>To be determined</i>
Full Proposal Upload (PDF)	<i>Document to be attached</i>
Region	<i>From pull down menu</i>
Resource District	<i>From pull down menu</i>
Management Unit	<i>From pull down menu</i>
Project Site Location	<p>Kicking Horse Mountain Resort is located on the West side of the Columbia Valley in the Purcell Mountains. The resort is located approximately 13km from the Town of Golden with a controlled recreation area of about 1,140 ha.</p> <p>This project is contained entirely within the Controlled Recreation Area of the Resort and on provincial leased land. It surrounds structures within the centre of the resort and existing critical infrastructure. A map has been included that shows the project location. The Resort is found on map sheet 082N035212.</p>
UTM Zone	11N
UTM Easting	495641.2
UTM Northing	5683885.5
BEC Variant(s)	ESSFmm3, ICHmw1
Project Description	<i>Attach as a separate document.</i>
Project Keyword	Wildfire mitigation, community protection, fuel management, fibre utilization
Attach Additional Information	A map has been attached showing the location of the treatment area at the Resort.
Is an existing tenure already in place?	No
If no, then please identify proposed tenures and/or authorities required to work	N/a
Will your project create a silviculture obligation?	No
If yes, who will hold that	N/a

obligation?	
Is this project located in the Wildland Urban Interface?	Yes

Project Activities and Objectives

Project Activities	Fuel management prescription and operations, strategic planning for landscape wildfire risk abatement
FESBC Purposes	Wildfire risk reduction/mitigation Recovery of fibre
Describe how the project will achieve the specified purpose(s).	<p>Wildfire risk within the Resort interface will be achieved by creating a more fire resilient environment within the interface of the village by modifying the fuels profile that exists within this interface zone. Fuel loading associated with the crown will be abated through selective harvesting of the overstory stems in the codominant and intermediate layers. Ladder fuels will be reduced by thinning the suppressed and intermediate layers and any tall shrubs. Finally, surface fuel loading from existing fuel loading and loading from activity fuels will be abated through aggressive surface fuel treatment.</p> <p>It is anticipated that some of the overstory timber can be harvested through private, non-funded means requiring only the ladder fuel and surface fuel abatement to be completed using the requested funding. Separation of licensee post harvest obligations from funded treatments will be ensured prior to implementing funded surface fuel abatement.</p> <p>The resultant effect will be to improve the wildfire resiliency of the stands surrounding the village and create a future ecosystem that will only support a low intensity surface fire. The treated area will also serve as a safety zone for summer recreationalists on the mountain in the event a wildfire compromises the only access/egress road for the resort. This treated area will provide a refugia site where little to no fire behaviour can exist.</p>
Identify the repository for the final deliverables	Local government, Local First Nations, Forest District, RESULTS
If applicable, indicate use of removed fibre or non-burning waste management practices	The priority will be to maximize the utilization of fibre through shipping to mills or other facilities that can process the material (chips, composting, etc) and minimize burning practices to abate activity fuels.
Describe your plan for residual fibre treatment (e.g. burn, or bulldoze/chip/grind and leave to decay).	As above, prescriptions will be oriented towards minimizing the need to use burning to abate activity fuels resulting from overstory or surface fuel treatments. Such treatments may include chipping and grinding with spreading or removal, shipping of biomass offsite for alternative uses (composting, etc) or crushing/masticating on site in discussions with the Resort.
Will the treatment involve broadcast burning to create plantable spots?	No

Work Standards and Development Status

Applicable Work Standards	A signed and sealed prescription will be developed. Experienced harvesters will be used for operations. WCB regulations and safe work practices will be followed. Additionally, the following work standards will be followed: -General standards for Ministry Funded Programs - effective June, 2012 -Results information submission specifications-Government funded silviculture activities Edition 5 June 2018 -LBI First Nations Information Sharing Guidelines - January 2013
Has a variance to the above listed standards been requested?	No
If yes, please describe the variance request	N/a
Where government work standards are not available, please upload an auditable work plan.	N/a
First Nations Information Sharing	The Resort has approached the local First Nations, Shuswap Indian Band, for their support. A letter has been included indicating that the Band is supportive of this project and protecting their traditional lands within the Resort area.
Development Status	No cutting authority is currently in place. One will be applied for once the prescription has been completed.
If available, please upload approved prescriptions and treatment maps for this project	N/a
Will this project (or a part thereof) be tendered?	Yes
If yes, please indicate the % of the project value tendered	It is anticipated that all or part of this project will be tendered. The Resort may have some crews to assist during the shoulder season and the BC Wildfire Service has been approached with regards to having them help with the falling or thinning operations. Determination of the tendering of the project will be done after further discussions with the Band and the Resort Branch.
Is your company SAFE certified?	No
If you answered no to the above question, please describe how you will ensure safe working conditions for this project	A contractor that is SAFE certified will be sought to undertake this project.
Are any of the activities a legal obligation of a tenure?	No
If yes, then please explain how the project will manage the obligation separate from FESBC funding	N/a

Alignment with the Land Manager's Priorities

Please clearly demonstrate that there has been communication with appropriate levels of government, i.e., Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD) district and/or regional offices. Provide correspondence (email, letter, documents) that clearly indicates your project aligns with FLNRORD strategic priorities.

This includes confirming what requirements for First Nations information sharing apply to your project. Note that sufficient time should be allowed to facilitate First Nations information sharing process.

Explain how you have engaged with the appropriate government land manager to understand the Land Manager's priorities	The Land Manager (Resorts Branch) has been involved with this project proposal since inception. The land manager has indicated to the Resort that this work is a priority. The Resort Branch has endeavoured to promote wildfire resilient conditions for all Resorts. First Nations, as the traditional land managers, have also been approached with regards to the interests and priorities associated with these watersheds. Traditional land managers have stressed the importance of traditional use of fire, protecting cultural and environmental values and, as such, their support and partnership has been sought as part of this project.
Describe how the project aligns with the Land Manager's strategic planning and/or integrated investment planning	The Resort Branch is responsible for land management within Controlled Recreation Areas (CRA) throughout BC. They provide input on land use decisions, master planning and development with the CRA. The Land Manager recognizes the economic driver these resorts are to local communities, and the provincial economy, and, therefore, the need to protect Resorts from wildfire risk through fuel hazard management and wildfire risk reduction. As such, this project is of the highest priority for the Land Manager.
Describe any feedback or concerns from the Land Manager	All feedback from the Land Manager has been positive and supportive. Local First Nations have not expressed any concerns regarding this project and are supportive of the project and the protection of the Resort.
Attach copies of any correspondence from the Forest District	The Resort is within a Controlled Recreation Area and does not fall under the jurisdiction or direction of the Forest District. However, the local Fire Zone has been contacted regarding this project and they are aware of it and its benefits.

External Partnerships

Proposals that are able to leverage other funding sources or that are contributing cash or in-kind contributions may receive preference over other Proposals. Please list other sources of funding, contributions, or partnerships.

Will this project be receiving funds from another organization?*	No funding is being received from other organizations.
If yes, summarize any contributions from other funding sources, including in-kind contributions	N/a
If applicable, describe how the project will coordinate with FFT or other initiatives within the Timber Supply Area	N/a
Describe any partnerships with another organization or agency?	The Resort does not have any official or funding related partnerships with other organizations or agencies.
Please upload any correspondence or supporting documentation	Letters of support have been included.

Indicate if this proposal is being submitted on behalf of another organization. If so, then identify the organization and the proposed role of each organization for implementing the project.	<p>This application was completed on behalf of the Kicking Horse Mountain Resort on a contract to the Resort Branch.</p> <p>After submission, it can be transferred over to the resort as a proponent.</p> <p>All contact information is included in the uploaded full proposal.</p>

Road Construction and Road Upgrades

Road Construction including, Road Upgrades	
Planned Road Construction Length (km)	N/a
Planned Road Construction Width (m; if >20m)	N/a
Biomass removed and burned from ROW (tonnes)	N/a
Road Deactivation	
Will the road be reforested following deactivation?	N/a
Planned Road Deactivation Length (km)	N/a
Planned Road Construction Width (m)	N/a
Please attach road development plan/ deactivation plan/ planting prescriptions	N/a