

Full Proposal

Full Proposal Details
Full Proposal # :WR0000583
Full Proposal Status : FP Received

Project Information

Terms and Conditions			
To review the terms and conditions click here			
Project Information			
Project Title:	Whitewater Interface Fuel Hazard Abatement	Project Country:	Canada
Primary Purpose:	Wildfire Risk Reduction	Project Location - State/Province:	British Columbia
Project Start Date	04/01/2019	Postal Code	V1B 2B4
Project Completion Date	11/29/2019		

Contact Information

Principal Contact Information			
Principal Contact Name:	John Davies	City	Coldstream
Country	Canada	Postal Code	V1B 2B4
Province	British Columbia	Proponent's Organization	Davies Wildfire Management Inc
Contact Email	john@davieswildfire.com	Contact Phone	2505403473
Contact Address	11510 Upper Summit Drive		

Project Details

Project Description	
Full Proposal Number	
Full Proposal Upload (PDF)	Whitewater Ski Resort FES Application.pdf Whitewater Proponent Contact Information.pdf
Region	Kootenay Boundary Region
Resource District	Arrow Boundary Forest District
Management Unit:	TSA 01 Arrow
Project Site Location:	Whitewater Ski Resort is located 25km from the City of Nelson. The resort is situated in the Ymir Bowl, beneath Ymir Mountain in the Selkirk Mountains. 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, the location of future residences and existing critical infrastructure. A map has been included that shows the project location. The Resort is located on map sheet 82F045143.
UTM Zone	11N
UTM Easting	490031
UTM Northing	5476721
Location Map and Spatial Data File Attachment	WSR_Structural_Protection_Zone.kmz
BEC Variant(s):	ESSFwh3, ESSFwm3
Project Description:	Project Description Whitewater Ski Resort has been very active with attempting to mitigate the wildfire risk to the ski resort. The resort recognizes the risk that exists within, and adjacent to, the Controlled Recreation Area and have attempted to address it as best they can within their operational budget. To date, the resort has undertaken thinning and surface fuel abatement work within the Glory Chair ski area. This area has been heavily impacted by spruce beetle and windthrow. The result has completed some timber salvage operations as well as surface fuel piling for burning. Licensees have cooperated with the

	<p>resort in trying to abate this surface fuel hazard. However, the scale of the fuel hazard and wildfire risk is at the landscape level and beyond the financial capacity of the resort to address at the necessary scale. As such, planning, prescribing and operational assistance is necessary to help mitigate the landscape wildfire risk. This project will be a first step in a longer-term program to plan, prescribe and implement to reduce this risk. The initial step will be to address the risk to the immediate interface of the village and then to expand to the Controlled Recreation Landscape. The importance of wildfire mitigation to protect the Resort cannot be understated. A values document has been included that outlines the value within the resort. There is only one access road to the mountain with possible other egress routes being along unmaintained Forest Service Roads. The goal, objective and strategies of this Operational Fuel Management Plan would be as follows: Goal: To create a fire resilient stand surrounding the village interface that will protect the resort structures and public from an approaching wildfire. Objectives: 1) Abate the fuel hazard associated with stands within the village interface; 2) Maximize fibre recovery within the treated areas; 3) Minimize impacts on recreational and visual values. Strategies: 1) Pursue harvesting opportunities within the treatment areas to maximize merchantable timber recovery through working with the local licensee; 2) Explore alternate utilization of dead, non-merchantable or undersized timber to minimize post-treatment activity fuels and burning (fire wood, pulp, chips, biofuel, etc.); 3) Develop treatments and boundaries that minimize the impacts or, preferably, enhance the recreational values in the treatment area; 4) Minimize the visual impacts to the resort by appropriately designing boundaries and minimizing the treatment area; 4) Contribute to the local economy through utilizing local personnel and company resources and by pushing recovered fibre towards local industries. The funding being sought with this application will be to implement about 30 ha of interface fuel management work centred around the village. The treated area will not only protect the village structures, but it will also contribute to a Safety Zone within which refuge can be sought by those that might be on the mountain should a wildfire compromise the only access road to the mountain. The treatments will be undertaken as soon as possible and be complete by the Fall. This project will be a first step in a longer-term program to implement additional fuel management work on the mountain, particularly with regards to recovering significant spruce windthrow in the Glory Chair Bowl and treatment along the Whitewater Ski Hill Road to protect it for egress/access. Additionally, the Resort wishes to explore the development of a landscape level fuel break along the south slopes in order to create a defense line for a wildfire approaching the resort from the South.</p>
Project Keyword:	Wildfire mitigation, community protection, fuel management, fibre utilization
Attach Additional Information	Whitewater List of Values.pdf
Is an existing tenure already in place?	No
If no, then please identify the proposed tenures and/or authorities required to complete work.	No tenures or authority is required for the planning or prescribing work. Implementation will require a license to cut vehicle from the land manager and this will be applied for once signed and sealed prescriptions are finalized.
Will your project create a silviculture obligation?	No
If yes, who will hold that obligation?	
Is this project located in the Wildland Urban Interface?	Yes

Project Activities and Objectives

Project Activities	Fuel Management Treatments
FESBC Purposes	Wildfire risk reduction/mitigation
Describe how the project will achieve the specified purpose(s).	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. 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. 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.
Identify the repository for the final deliverables	Local government, Local First Nations, Forest District, RESULTS
Utilization of Wood Fibre	
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	As above, prescriptions will be oriented towards minimizing the need to use burning to abate activity fuels

treatment (e.g. burn, or bulldoze/chip/grind and leave to decay).	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. Burning will be utilized if all other methods are unavailable or too costly.
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.	
Where government work standards are not available, please upload an auditable workplan. A template can be downloaded in the application template section above.	
For reference, Ministry Activity Standards can be located at the following URL: http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/land-based-investment/forests-for-tomorrow. You can also find the link in the Information menu.	
First Nations information Sharing:	The Resort has approached the local First Nations, Kuskanax, for their support. A letter has been included indicating that the Kuskanax are 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.	
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
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.	

Alignment with the Land Manager's Priorities.

For utilization projects submitted under Intake 5a, this section is not required.	
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.	

Partnerships

Will this project be receiving funds from another organization?	No
If yes, summarize any contributions from other funding sources, including in-kind contributions.	
If applicable, describe how the project will coordinate with FFT or other initiatives within the Timber Supply Area.	
Describe any partnerships with another organization or agency?	No funding is being received from other organizations.
Please upload any correspondence or supporting documentation.	Whitewater LoS Chamber.pdf Whitewater LoS Fire Dept.pdf Whitewater LoS SEFC.pdf Kicking Horse LoS Resort Branch.pdf Whitewater LoS Kootenay Zone.pdf
Is this a First Nations Organization?	No
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.	This proposal is being submitted on behalf of Whitewater Ski Resort as part of a contract with the Mountain Resort Branch. The file can be transferred to the proponent for further communications. Their contact information is included in the full proposal.
Indicate if the intended delivery of the project(s) will involve one or more other organizations. If so, then identify the organization(s) and the proposed role of each organization for implementing the project.	No other organizations are involved.

Road Construction and Road Upgrades

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

Summary Report Attachments

Summary Reports	
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Project Cost And Funding

Total Project Funds	
Total Funds Contributed by the Proponent	Total Funds Requested from the Program
\$0.00	\$179275.00

Planned milestone & task		
	2019/20	Total
Output Category		
Number of Reports	1.00	1.00
Treatment Area (ha)	30.00	30.00

Funds Requested from FESBC		
	2019/20	Total
Start Date	04/01/2019	
End Date	11/29/2019	
Cost Category		
Material	\$0.00	\$0.00
Recipient Labour	\$39230.00	\$39,230.00
Contracted Material/ Labour	\$125000.00	\$125,000.00
Equipment Charges	\$10545.00	\$10,545.00
Project Supervision/ QA	\$4500.00	\$4,500.00
Administration	\$0.00	\$0.00
Total	\$179,275.00	\$179,275.00

Sources of Cash Funding *			
Source Type	Name of Organization	Status	Amount
Amount Applied For	FESBC	Applied For	\$179,275.00
		Total:	\$179,275.00

Project Cost by Task						
Activity *	Start Date	End Date	Funds Requested from FESBC	Funds contributed by Applicant	Funds from Other Sources	Total
Project Start Up	04/01/2019	04/30/2019	\$4,550.00	\$0.00	\$0.00	\$4,550.00
Data Collection and Layout	05/01/2019	06/28/2019	\$13,705.00	\$0.00	\$0.00	\$13,705.00
Px Development	06/03/2019	07/31/2019	\$8,290.00	\$0.00	\$0.00	\$8,290.00
Operations	07/01/2019	10/31/2019	\$146,910.00	\$0.00	\$0.00	\$146,910.00
Project Closing	11/01/2019	11/29/2019	\$5,820.00	\$0.00	\$0.00	\$5,820.00
					Total:	\$179,275.00

Project Status

Project Status	
FP status:	FP Received

Change History

Change History		
Change History		
FP Status	User	Date
Draft FP	John Davies	11/28/2018 05:33:35 PM
Draft FP	John Davies	11/28/2018 05:38:35 PM
Draft FP	John Davies	11/28/2018 05:43:36 PM
Draft FP	John Davies	11/28/2018 05:48:05 PM
Draft FP	John Davies	11/28/2018 05:51:13 PM
Draft FP	John Davies	11/28/2018 05:51:14 PM
Draft FP	John Davies	11/29/2018 11:03:58 AM
Draft FP	John Davies	11/29/2018 11:04:10 AM
Draft FP	John Davies	11/29/2018 11:04:12 AM
Draft FP	John Davies	11/29/2018 11:07:29 AM
Draft FP	John Davies	11/29/2018 02:42:35 PM
Draft FP	John Davies	11/29/2018 02:42:36 PM
Draft FP	John Davies	11/29/2018 02:45:15 PM
Draft FP	John Davies	11/29/2018 02:45:17 PM
Draft FP	John Davies	11/29/2018 02:57:33 PM
Draft FP	John Davies	11/29/2018 03:06:34 PM
Draft FP	John Davies	11/29/2018 03:11:15 PM
Draft FP	John Davies	11/29/2018 03:11:16 PM
Draft FP	John Davies	11/29/2018 06:11:40 PM
Draft FP	John Davies	11/29/2018 06:11:41 PM
Draft FP	John Davies	11/29/2018 07:24:51 PM
Draft FP	John Davies	11/29/2018 07:24:52 PM
Draft FP	John Davies	11/29/2018 07:25:12 PM
Draft FP	John Davies	11/29/2018 07:25:14 PM
Draft FP	John Davies	11/30/2018 11:52:16 AM
Draft FP	John Davies	11/30/2018 11:52:38 AM
Draft FP	John Davies	11/30/2018 11:52:39 AM
Draft FP	John Davies	11/30/2018 11:53:35 AM
Draft FP	John Davies	11/30/2018 11:53:37 AM
Draft FP	John Davies	11/30/2018 02:15:44 PM
Draft FP	John Davies	11/30/2018 02:15:45 PM
FP Submitted	John Davies	11/30/2018 02:16:15 PM