

Full Proposal

Full Proposal Details
Full Proposal # :WR0000578
Full Proposal Status : FP Received

Project Information

Terms and Conditions			
To review the terms and conditions click here			
Project Information			
Project Title:	Panorama Village 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)	Panorama Ski Resort FES Application.pdf
Region	Kootenay Boundary Region
Resource District	Columbia Forest District
Management Unit:	TSA 09 Invermere
Project Site Location:	Panorama is situated in BC's Purcell Mountains, a 20 min drive West of the town of Inveremere. The nearest major city is Calgary, AB, a 3½ hour drive East through the Rocky Mountains on Highways 93 and 1. The proposed project is contained entirely within the Controlled Recreation Area of the Resort and on provincial leased land surrounding the resort village, residences and critical infrastructure. The project will address stands within treatment units 4 and 6 on the included map. The Resort is located on map sheet number 82K 049421
UTM Zone	11N
UTM Easting	558961
UTM Northing	554363.
Location Map and Spatial Data File Attachment	Panorama Treatment Units.kmz
BEC Variant(s):	MSdk2
Project Description:	Project Description Panorama Mountain 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 extensive salvage harvesting to address the mortality within the CRA from Mountain Pine Beetle impacts. In 2015 and 2016, Panorama accessed funding through the Union of BC Municipalities Strategic Wildfire Prevention Initiative that allowed them to complete prescriptions for the

	<p>entirety of the village interface; approximately 135 ha. The Resort now wishes to implement these prescriptions and reduce the interface fire risk to the village. The importance of wildfire mitigation to protect the Resort and its values and assets cannot be understated. The entire Panorama community’s assessed value for 2017 was determined to be \$274,000,000; this includes not just Panorama owned assets but all privately owned condominiums and homes. Panorama’s assessed property value is over \$20,000,000 and the Resort pays over \$180,000 annually in property taxes. Panorama’s property value does not include items like chairlifts, the gondola, and snowmaking equipment all of which would be in immense danger in the event of a forest fire. The Resort, business community and residents have put a substantial effort into developing year-round tourism at the Resort. Recent investments have included enhanced summer recreation associated with a resort wide mountain bike park. Winter skier visits in 2017-2018 reached 190,040 while summer sightseeing and mountain bike visits were 21,100 for 2018. Additionally, the Resort has a well-established and popular golf course that is a major tourist draw along with a heli-ski operation located in the village. The Resort has approximately 350 year-round residents and for over-night guests and Panorama sees close to 45,000 room nights per year. The Resort is one of the biggest employers in the Columbia Valley, employing approximately 100 year-round employees and close to 450 seasonal employees with an annual payroll in 2018 of over \$8,000,000. Annually, the Resort payables to vendors in not just the Columbia Valley but across Canada exceeds \$17,500,000. 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. There will need to be some amendments to the existing prescription from one focussed on hand treatments with pile and burning to one associated with recovering fibre and enhanced activity fuel recovery and boundary and patch layout to minimize visual and recreational impacts. The treatments will be undertaken as soon as possible but managed around the important tourist season on the mountain. This may require that the operations are undertaken in the spring and fall shoulder seasons or that operations are undertaken in low recreation areas during the busy tourist seasons. This project will be a first step in a longer-term program to work with the Shuswap Indian Band on the protection of all crown interface lands associated with the Resort and the access road back towards the Band's reserve lands near Inveremere.</p>
Project Keyword:	Wildfire mitigation, community protection, fuel management, fibre utilization
Attach Additional Information	Panorama_Prescription_FINAL.pdf Panorama_Treatment_Units_March_28_2018.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 Village 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.
Identify the repository for the final	Local government, Local First Nations, Forest District, RESULTS

deliverables	
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 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. 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:	Panorama Resort has a solid relationship with the local First Nations, Shuswap Indian Band. The Band is in full support of this project and have provided a letter of support to demonstrate their stance.
Development Status:	An existing prescription needs some minor adjustments for harvesting and layout needs to be completed. Thereafter, the Resort can submit to the Resort Branch for an Occupant License to Cut.
If available, please upload approved prescriptions and treatment maps for this project.	Panorama_Prescription_FINAL.pdf Panorama_Treatment_Units_March_28_2018.pdf
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. Shuswap Indian Band has express
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. Prior to this application, the Resort Branch funded a Resort Wildfire Protection Plan

	and supported the securing of funding from the Union of BC Municipalities Strategic Wildfire Prevention Initiative to develop interface prescriptions. The land manager has indicated to the Resort that this work is a priority. 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.	Panorama LoS Fire Dept.pdf Panorama LoS RDEK Director.pdf Panorama LoS SIB.pdf Panorama LoS Subdivision Assoc.pdf Panorama LoS Resort Branch.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 application was completed on behalf of the Kicking Horse Mountain Resort on a contract to the Resort Branch. After submission, it can be transferred over to the resort as a proponent. All contact information is included in the uploaded 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.	Shuswap Indian Band has expressed their interest in implementing the operations within this project.

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	\$198430.00

Planned milestone & task

	2019/20	Total
Output Category		
Number of Reports	1.00	1.00
Treatment Area (ha)	20.00	20.00

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	\$30340.00	\$30,340.00
Contracted Material/ Labour	\$150000.00	\$150,000.00
Equipment Charges	\$13590.00	\$13,590.00
Project Supervision/ QA	\$4500.00	\$4,500.00
Administration	\$0.00	\$0.00
Total	\$198,430.00	\$198,430.00

Sources of Cash Funding ^{*}

Source Type	Name of Organization	Status	Amount
Amount Applied For	FESBC	Undetermined	\$148,430.00
		Total:	\$148,430.00

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	05/31/2019	\$9,115.00	\$0.00	\$0.00	\$9,115.00
Px Update	06/01/2019	06/28/2019	\$3,260.00	\$0.00	\$0.00	\$3,260.00
Operations	07/01/2019	11/29/2019	\$125,685.00	\$0.00	\$0.00	\$125,685.00
Project Closing	11/01/2019	11/29/2019	\$5,820.00	\$0.00	\$0.00	\$5,820.00
					Total:	\$148,430.00

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 03:11:54 PM
Draft FP	John Davies	11/28/2018 04:02:45 PM
Draft FP	John Davies	11/28/2018 04:03:38 PM
Draft FP	John Davies	11/28/2018 04:03:39 PM
Draft FP	John Davies	11/28/2018 04:26:23 PM
Draft FP	John Davies	11/28/2018 04:31:24 PM
Draft FP	John Davies	11/28/2018 04:36:23 PM
Draft FP	John Davies	11/28/2018 04:41:23 PM
Draft FP	John Davies	11/28/2018 04:46:23 PM
Draft FP	John Davies	11/28/2018 04:51:23 PM
Draft FP	John Davies	11/28/2018 04:51:38 PM
Draft FP	John Davies	11/28/2018 04:51:39 PM
Draft FP	John Davies	11/29/2018 10:27:38 AM
Draft FP	John Davies	11/29/2018 10:35:13 AM
Draft FP	John Davies	11/29/2018 11:33:34 AM
Draft FP	John Davies	11/29/2018 11:33:36 AM
Draft FP	John Davies	11/29/2018 12:19:32 PM
Draft FP	John Davies	11/29/2018 12:21:40 PM
Draft FP	John Davies	11/29/2018 12:28:42 PM
Draft FP	John Davies	11/29/2018 12:36:36 PM
Draft FP	John Davies	11/29/2018 02:42:01 PM
Draft FP	John Davies	11/29/2018 02:42:03 PM
Draft FP	John Davies	11/29/2018 07:16:48 PM
Draft FP	John Davies	11/29/2018 07:19:39 PM
Draft FP	John Davies	11/29/2018 07:24:28 PM

Draft FP	John Davies	11/29/2018 07:24:29 PM
Draft FP	John Davies	11/30/2018 11:57:56 AM
Draft FP	John Davies	11/30/2018 02:26:44 PM
Draft FP	John Davies	11/30/2018 02:26:45 PM
FP Submitted	John Davies	11/30/2018 05:08:39 PM