

Full Proposal

Full Proposal Details
Full Proposal # :WR0000529
Full Proposal Status : FP Received

Project Information

Terms and Conditions			
To review the terms and conditions click here			
Project Information			
Project Title:	Post Harvest Fuel Reduction - FL A30171 - CP 410	Project Country:	Canada
Primary Purpose:	Wildfire Risk Reduction	Project Location - State/Province:	British Columbia
Project Start Date	05/01/2019	Postal Code	V1L 6P7
Project Completion Date	12/31/2019		

Contact Information

Principal Contact Information			
Principal Contact Name:	Bill Kestell	City	Salmo
Country	Canada	Postal Code	V0G 1Z0
Province	British Columbia	Proponent's Organization	Cooper Creek Cedar Ltd
Contact Email	bkestell@shaw.ca	Contact Phone	250-229-4536
Contact Address	Box 850		

Project Details

Project Description	
Full Proposal Number	WR0000529
Full Proposal Upload (PDF)	
Region	Kootenay Boundary Region
Resource District	Selkirk District
Management Unit:	TSA 13 Kootenay Lake
Project Site Location:	FL A30171-CP 410 - Laird Ck located 30-km north of Nelson, BC along Hwy 3A. To access Blk 1, turn right at the Balfour Fire Hall and proceed 4-km up the Redfish FSR to switchback spur and travel 2-km to Blk 1. Blk 1 - 082F066 To access blocks 10,11 travel to Balfour Transfer Station, turn left to the Balfour Face Forestry Road. Travel 1.3-km and turn right onto the spur into the blocks. To access blocks 12,13 travel to 2-km on the Balfour Face forestry road, turn left to access blocks 12,13. Blks 10,11,12,13-82F066
UTM Zone	11
UTM Easting	500700
UTM Northing	5498000
Location Map and Spatial Data File Attachment	CP410_AppraisalMap.pdf CP410_proads_access_blocks.kmz
BEC Variant(s):	ICH dw1
Project Description:	The treatment will be applied to 5 cutblocks in FL A30171 - CP 410 - Laird Ck. The following is the retention prescription/blk: Target retention trees in all blocks is Fd, Lw & Py Blk 1: target 12-14-m2/ha BA: SU A: Retain 40-45 stems/ha in the >=50cm DBH classes Blk 10: Retain 45-50 stems/ha in the >=40cm DBH class Blk 11: clearcut due to forest health concerns - Fd Bark Bettie Blk 12: Retain 35-40 stems/ha in the >=45cm DBH class Blk 13: Retain 35-40 stems/ha in the >=45cm DBH class Fuel Management Objectives: reduce the forest floor fire fuels & ladder fuels to reduce the risk of wildfire ignition & to maintain crown separation (3m-5m) to reduce risk of crown fires. Fuel Management Strategies: machine

	<p>treatment - fall from above to create/maintain crown separation to 3m-5m to reduce the risk of crown fire (completed in CCC's contractual logging phase & funded by CCC) - fall advanced regen, rake fine fuels & branches, buck falldown that is lying on the forest floor. Pile & burn the fuel accumulations of surface fuels to eliminate the ground fuels to minimize the creation of surface fuels - retain & encourage deciduous tree species & shrub species to reduce fire behaviour and provide wildlife habitat - maintain Coarse Woody Debris (>12.5cm top & .3m long) to a minimum of 50 pieces/ha and to a maximum of 150 pieces/ha - following the machine treatment, assess the treated area to measure the objectives have been met. If fuel reduction objectives have not been met, the area will be hand treated - the remaining fuels will be hand picked & piled & burned. Blk 1: a 10.7-ha WTRA is being retained in the block to maintain a fully stocked forest above the east block boundary immediately above Laird Ck. The fully stocked WTRA will not contribute to the resulting ECA from the logging operation. Maintaining the fully stocked WTRA will minimize the terrain instability impact, that has been identified by the Professional Geotech, to protect a terrain instability feature below the block boundary above Laird Ck. Fuel Management Objectives: reduce the forest floor fire fuels & ladder fuels to reduce the risk of wildfire ignition. Fuel Management Strategies: hand treatment - reduce understory tree density to minimize ladder fuels - prune the retained trees to a minimum of 2m to reduce ladder fuels & risk of crown fires - fall advanced regen, rake fine fuels & branches, buck falldown so it lies on the forest floor. Pile & burn the fuel accumulations of surface fuels to eliminate the ground fuels to minimize the surface fuels - retain & encourage deciduous tree species & shrub species to reduce fire behaviour and provide wildlife habitat - maintain Coarse Woody Debris (>12.5cm top DBH & 3m long) to a minimum of 50 pieces/ha and to a maximum of 150 pieces/ha</p>
Project Keyword:	CP 410 - Fuel Reduction
Attach Additional Information	CP 410 - Fuel Reduction.xlsx
Is an existing tenure already in place?	Yes
If no, then please identify the proposed tenures and/or authorities required to complete work.	FL A30171 - Cutting Permit 410 & RP R21925 have been approved - there are no other tenure permits required to proceed with the project
Will your project create a silviculture obligation?	Yes
If yes, who will hold that obligation?	Cooper Creek Cedar Ltd
Is this project located in the Wildland Urban Interface?	Yes

Project Activities and Objectives

Project Activities	<p>Overstory Removal</p> <p>Site Preparation</p> <p>Fuel Management Treatments</p>
FESBC Purposes	Wildfire risk reduction/mitigation
Describe how the project will achieve the specified purpose(s).	<p>Wildfire Risk Reduction/Mitigation: Create Crown Separation: Proponent (Licensee Funded) through the harvesting operation, create a spaced forest with a minimum 3m-5m overstory crown separation. The retained stems will consist of a mix of fire resistant Fd, Lw & Py mature, well formed, disease free trees, as available. Reduce Ground Fire Fuels: FES Funded through a combination of machine & hand treatments, minimize the forest floor fuels by falling understory stems, bucking larger logs so the logs lie on the ground, prune branches to minimum 2m from ground level, gather (hand & machine) fuels, pile & burn the accumulated fuels. Fuel Management Objectives: reduce the forest floor fire fuels & ladder fuels to reduce the risk of wildfire ignition & to maintain crown separation (3m-5m) to reduce risk of crown fires. Fuel Management Strategies: machine treatment - fall from above to create/maintain crown separation to 3m-5m to reduce the risk of crown fire - fall advanced regen, rake fine fuels & branches, buck falldown so it lies flat on the forest floor. Pile & burn the fuel accumulations of surface fuels to eliminate the ground fuels to minimize the creation of surface fuels - retain & encourage deciduous tree species & shrub species to reduce fire behaviour and provide wildlife habitat - maintain Coarse Woody Debris (>12.5cm top DBH & .3m long) to a minimum of 50 pieces/ha and to a maximum of 150 pieces/ha - following the machine treatment, assess the treated area to measure the objectives have been met. If objectives have not been met, the area will be hand treated - the remaining fuels will be hand picked & piled & burnedFuel Management Objectives: reduce the forest floor fire fuels & ladder fuels to reduce the risk of wildfire ignition & to maintain crown separation (3m-5m) to reduce risk of crown fires.</p>
Identify the repository for the final deliverables	RESULTS (submit logging activities - start/stop dates, clearcut/partial cut), Site Prep (fuel reduction actdivity addresses site prep activities)
Utilization of Wood Fibre	
If applicable, indicate use of removed fibre or non-burning waste management practices.	n/a
Describe your plan for residual fibre treatment (e.g. burn, or bulldoze/chip/grind and leave to decay).	pile & burn the accumulated ground fuels.

Will the treatment involve broadcast burning to create plantable spots?	No
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Work Standards and Development Status

Applicable Work Standards:	General Standard for Ministry Funded Programs - effective June 2012
Has a variance to the above listed standards been requested?	No
If yes, please describe the variance request.	the work will be governed by the General Standards for Ministry Funded Programs, Effective June 2012, and by the attached CP 410-Fuel Reduction Work Plan
Where government work standards are not available, please upload an auditable workplan. A template can be downloaded in the application template section above.	CP 410-Fuel Reduction Work Plan.docx General Standards for Ministry Funded Programs-June 2012.pdf
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:	Cooper Creek Cedar Ltd referred the CP 410 Cutting Permit/Road Permit applications to all applicable First Nations Bands. CCC did not recieve any concerns from First Nations Bands during the referral period. CCC submitted their First Nations Sharing Summary to Selkirk Forest District in the CP/RP application submmissions.
Development Status:	Road Permits required to access CP 410 have been approved and roads are constructed. CP 410 Cutting Permit is approved.
If available, please upload approved prescriptions and treatment maps for this project.	CP 410 Blk 1 Site Plan_FINAL_SIGNED.pdf CP 410 Blk 10 Site Plan_FINAL_SIGNED.pdf CP 410 Blk 11 Site Plan_FINAL_SIGNED.pdf CP 410 Blk 12 Site Plan_FINAL_SIGNED.pdf CP 410 Blk 13 Site Plan_FINAL_SIGNED.pdf CP410_SP_Map_BK_1.pdf CP410_SP_Map_BK_10.pdf CP410_SP_Map_BK_13.pdf R21925 ESF#1768936 amendment approval letter signed-CP 410-08-06-2018.pdf CP410_SP_Map_BK_11.pdf CP410_SP_Map_BK_12.pdf A30171_CP 410_Approved Cutting Permit_29_11_2018.pdf
Will this project (or a part thereof) be tendered?	No
If yes, please indicate the % of the project value tendered.	
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.	Contractors will be required to be SAFE Work certified. CCC will conduct regular supervision inspections (minimum 1 inspection/week) to ensure the work safe procedures are being followed/implemented
Are any of the activities a legal obligation of a tenure.	Yes
If yes, then please explain how the project will manage the obligation separate from FESBC funding.	the falling operation is the legal obligation of the tenure. CCC will create a \$/m3 contract with the logging contractor. The contract will be paid on the scaled volume, this is separate from the fuel reduction phase. The logging phase of the specific cutblocks will be complete prior to the fuel reduction phase.

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 approved CP 410 Cutting Permit and applicable Road Permits required to access CP 410 represent that Cooper Creek Cedar Ltd has fulfilled the legal requirements (engagement) with government for the government to approve/authorize the RP & CP. CCC is subsequently required to meet their legal tenure obligations in harvesting/managing the CP & RP. CCC's Woodlands Manager has participated in numerous communications with Selkirk Forestry staff, RDCK

	staff, FES staff & the local BC Wildfire Branch to discuss acceptable fire mitigation objectives to reduce the risk of fire in the WUI areas, and the methods of how to implement a fire mitigation plan - CCC has discussed this Fuel Mitigation Plan with the above mentioned organizations and has received support from the organizations to apply for FES funding to proceed with the fuel mitigation projects. November 26, 2018 - contacted Kelly Osborne & November 28, 2018 contacted Mike Morrow. We discussed the fuel reduction/mitigation project and both Kelly & Mike fully supported the proposed project. CCC has discussed the fire reduction project with Tara DeCourcy, Selkirk Forest District DM and Tara supports the project.
Describe how the project aligns with the Land Manager's strategic planning and/or integrated investment planning.	CP 410 is in the contentious Laird Creek Community Watershed and Balfour Face FDU, wholly within the local WUI area. CCC and the Selkirk District Manager have engaged in CP 410 development updates throughout CCC's cutting permit development of CP 410. The discussions included the significant communications the DM & CCC have had with the local Laird Ck/Balfour Face community. A main concern of the community is for CCC to implement a fire mitigation plan in the development/harvesting of CP 410; thus the fuel management plan described above. The DM supports CCC's fuel mitigation plan. CCC has participated in the Collaborative Community Wildfire Protection Plan meetings from the inception of the CCWPP meetings.
Describe any feedback or concerns from the Land Manager.	The Selkirk Forest District DM fully supports CCC's plan to implement the fire mitigation plan. The DM, and CCC, propose the implementation of the proposed fire mitigation plan will be supported by the community once the community see the on-the-ground results of the plan, and this has the potential to foster a positive, productive relationship with the Licensee, MFLNRO & the community.
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.	n/a
Describe any partnerships with another organization or agency?	n/a
Please upload any correspondence or supporting documentation.	
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.	n/a
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.	n/a

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	\$301100.00

Planned milestone & task

	2018/19	Total
Output Category		
Treatment Area (ha)	75.40	75.40

Funds Requested from FESBC

	2018/19	Total
Start Date	01/01/2019	
End Date	12/31/2019	
Cost Category		
Material	\$0.00	\$0.00
Recipient Labour	\$107000.00	\$107,000.00
Contracted Material/ Labour	\$0.00	\$0.00
Equipment Charges	\$194100.00	\$194,100.00
Project Supervision/ QA	\$0.00	\$0.00
Administration	\$0.00	\$0.00
Total	\$301,100.00	\$301,100.00

Sources of Cash Funding ^{*}

Source Type	Name of Organization	Status	Amount
Amount Applied For	FES	Applied For	\$3,010,001.00
		Total:	\$3,010,001.00

Project Cost by Task

Activity *	Start Date	End Date	Funds Requested from FESBC	Funds contributed by Applicant	Funds from Other Sources	Total
Reduce forest fuels in fully stocked WTRA - hand treatment	02/04/2019	12/31/2019	\$107,000.00	\$0.00	\$0.00	\$107,000.00
reduce fuel fuels in selectively logged cutblocks - machine treatment	01/01/2019	12/31/2019	\$194,100.00	\$616,350.00	\$0.00	\$810,450.00
					Total:	\$917,450.00

Project Status

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FP status:	FP Received
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Change History

Change History

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FP Status	User	Date
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