



## Community Works Funds

### Project Request

#### Description of Project

**CRD Function:** EA Administration (1002-2120-1120 cost code: )

**Scope:** Install a new LED lighting system and, if possible, complete any other related, minor services at the 99 Mile Ski Trails.

**Location:** 99 Mile Ski Trails

#### **Category:**

Public Transit	_____	Community Energy Systems	<u>  X  </u>
Water & Wastewater	_____	Solid Waste Management	_____
Capacity Building	_____		

Please complete Schedule A – Eligible Project Categories and Sub-Categories

**Desired Outcomes** – Please explain the outcomes this project will achieve:

This project will involve installation of a new LED lighting system at the 99 Mile Ski Trails.

The current 3.5km long lighting system, installed by the Society on a cross-country ski trail at the 99 Mile Ski Trails in the mid-1980s, consists of 86 175-400 Watt mercury vapour (HID) lamps. The system has reached the end of its effective lifespan and is not energy efficient.

The desired new, energy efficient, up to date lighting system will light about 4km of ski trail and consist of 78 60-Watt LED Philips lamps. The system will be virtually maintenance free and fire proof, with a lifespan of over 30 years.

The lighting upgrade is expected to result in savings of approximately 3,500 KWH/year.

**Proposed Measurement** – Please outline indicators to measure outcomes:

1) That the new lighting system results in energy savings of 3,500 kWh per year.

**Budget** – Please complete Schedule B – See Attached Budget Outline

**Timeline** – Please provide a timeline indicating projected start date and completion date of project.

Start date: December 1, 2018

Completion date: December 31, 2019

**Progress Reporting:**

For projects under \$50,000 and less than one month timeline, a progress report will be required at the completion of the project.

For projects over \$50,000 and longer than one month, a progress report is required at monthly intervals before funds can be transferred to the applicable budget.

Progress Report on Completion                          X    

Progress Report Monthly                                                          

Commencing:                        

Completed by: Kathleen MacDonald, Community Services

Date: October 18, 2018

**SCHEDULE A**  
**ELIGIBLE INVESTMENT CATEGORIES & SUBCATEGORIES BY COMMUNITY TIER<sup>1</sup>**

The CRD is a Tier 1 group

INVESTMENT CATEGORY	SUB-CATEGORY	TIER 1	TIER 2	TIER 3
<b>Public Transit</b>	Develop or improve public transit system (rapid transit, buses, bus ways, sea-buses, commuter rail, ferries, street cars, cycling and pedestrian infrastructure, etc)	<input type="checkbox"/>	•	•
	Road system improvements that encourage a reduction in car-dependency (express bus lanes, HOV lanes, park and ride, bike paths, queue, etc.)	<input type="checkbox"/>	•	
	Implement innovative technologies that support environmental sustainability	<input type="checkbox"/>	•	
	Rehabilitation of roads and bridges	<input type="checkbox"/>	•	
	Paths and trails	<input type="checkbox"/>		
<b>Community Energy Systems</b>	Improving energy systems through the use of water systems to generate hydro	<input type="checkbox"/>	•	
	Community energy systems (wind, solar, thermal, geothermal etc.)	<input type="checkbox"/>		
	Alternative energy systems that serve local government infrastructure	<input type="checkbox"/>		
	Retro-fit local government buildings and infrastructure (e.g. water pumps, street lights, etc.)	<input checked="" type="checkbox"/>		
	Reduce the GHG impact of solid waste (e.g. biogas recovery and conversion of biomass to bio-oil)	<input type="checkbox"/>		
	Fleet vehicle conversion	<input type="checkbox"/>		
	Implement innovative technologies that support environmental sustainability	<input type="checkbox"/>		
<b>Water and Wastewater</b>	Developing or upgrading drinking water systems to improve water quality, and reduce water use, increase energy efficiency and secure water supply in the face of drought	<input type="checkbox"/>	•	•
	Developing or upgrading wastewater and storm water systems to improve water quality and improve aquatic habitat	<input type="checkbox"/>		
	Implement innovative technologies that support environmental sustainability	<input type="checkbox"/>	•	
	Acquisition, enhancement and or protection of community green space such as streams and natural corridors including habitat protection systems to improve water quality and improve aquatic habitat	<input type="checkbox"/>		

<b>Solid Waste Management</b>	Develop or improve solid waste collection, treatment, and disposal strategies in ways that reduce resource use, or encourage recycling and re-use	<input type="checkbox"/>	•	
	Support full cost recovery from users through improved application of user charges	<input type="checkbox"/>	•	
	Reduce the environmental impact of solid waste (e.g. composting, bio gas recovery)	<input type="checkbox"/>	•	
	Implement innovative technologies that support environmental sustainability	<input type="checkbox"/>	•	
<b>Capacity Building</b>	<i>Increase local government capacity to undertake integrated sustainability planning including:</i>			
	Regional growth strategies	<input type="checkbox"/>	•	
	Community development plans	<input type="checkbox"/>	•	
	Community plans	<input type="checkbox"/>	•	
	Community Energy Planning	<input type="checkbox"/>	•	
	Transportation plans	<input type="checkbox"/>	•	
	Infrastructure development plans	<input type="checkbox"/>	•	
	Liquid waste management plans	<input type="checkbox"/>	•	
	Solid waste management plans	<input type="checkbox"/>	•	
	Long-term cross-modal transportation plans	<input type="checkbox"/>	•	
	Water conservation/demand management plans	<input type="checkbox"/>	•	
	Drought management contingency plans	<input type="checkbox"/>	•	
	Air quality plans	<input type="checkbox"/>	•	
	Greenhouse gas reduction plans	<input type="checkbox"/>	•	
	Energy conservation plans	<input type="checkbox"/>	•	
	Implementing/planning innovative environmental technologies that support sustainability	<input type="checkbox"/>	•	

## Schedule B

### Cariboo Regional District Community Works Funds Budget Outline for 99 Mile Ski Trails

#### Tangible Capital Assets

*Please list*

#### Equipment/Improvements Contribution

*Please list*

Install of LED trail lights	up to \$40,000
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<i>total</i>	up to \$40,000

#### Contracted Services

*Please list*

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#### Professional Services

*Please list*

<hr/>	\$	-
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Total Budget	up to \$40,000
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If applicable, please list quotes received:

The 100 Mile Nordics have received quotes for the project.

Date Proposal Call Completed: \_\_\_\_\_

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