

Management Plan

Please describe the details of your project to the extent known. Consult the guidance document for further information on regulatory requirements, rational for why the information is required, and how to find required information.

The scope and the timing for response will be provided. If information is requested and not received, it may result in the disallowance of the application.

Information on these topics may be required as part of the application processing and if further detail is necessary that is not part of the application and management plan received, you will be contacted and requested to provide additional information. In some circumstances, the use of a qualified professional to complete the plan may be required.

1.0 Background

1.1 Project Overview

Describe project for which authorization is requested, including construction and/or phased development details:

Statutory Right of Way ("SRW") under the Utilities Land Use Policy for the Soo River hydroelectric project (the "Project") transmission line.

The Project has been delivering electricity to BC Hydro since 1994 via a 1.9 km (+/-) long, 25 kV private transmission line which, firstly, follows Soo River FSR 7910 Branch 5 for about 250 m and then, the Soo River FSR 7910 Branch 1 "mainline" for approximately 1,575 m.

The Soo River powerline interconnects to BC Hydro distribution circuit RBW 25F65 near the junction of the Soo River FSR with Highway 99, which is itself approximately 14 km from the BC Hydro Rainbow sub-station in Whistler. The Soo River FSR portion of the transmission line is built within the right of way of the Soo River FSR 7910.

1.2 Investigative Work

If any preliminary investigative work has been carried out, with or without an investigative authorization, provide details on work completed, incomplete or on-going from previous term.



Activity	Brief Description of Activity	Status (e.g. Complete, incomplete, ongoing)	Comments / Milestones
Not applicable as the transmission already exists			
Add Row			

1.3 Confirmation of Safety Plan

Your Project must meet the [Occupational Health and Safety \(OHS\) criteria](#) set out by WorkSafe BC. Does your Project meet these criteria?

☒ Yes ☐ No

5.2.3 First Nations Consultation

Describe any contact you may have had, including the name of the First Nation(s) and representatives contacted.



The Soo River Hydro project (generation and transmission components) was approved in 1991 under a Ministers Order issued pursuant to Part 2 of the Utilities Commission Act. This process was an integrated approach to the regulation of energy projects and a precursor to and in many respects, similar to a modern environmental assessment. Part 2 responsibilities were subsumed into today's Environmental Assessment Act. The original review and approval of the Project included consultation with First Nations. Original consultation occurred with both the Lil'wat Nation and Squamish Nation.

Since then and over the intervening years since start up in 1994, several Lil'wat Nation members (Maxine Bruce - Fisheries Manager, Harriet VanWart, Director of Land, Resources & Infrastructure) have worked with or been employed by the Joint Venture via contract work through Cascade Environmental Resource Group, Whistler who is the environmental consultant on record for the Soo River project. Lil'wat Nation members provide field support at various times in relation to fisheries work done as part of regular head pond dredging in relation to the Soo River generation plant.

2.0 Location

2.1 Description

Provide a general description of the location of the project:



This application is for a SRW for the transmission line that exists and connects the Soo River Hydro project to BC Hydro's distribution circuit RBW 25F65 near the junction of the Soo River FSR with Highway 99, which is itself approximately 14 km from the BC Hydro Rainbow sub-station in Whistler. The transmission line is located within the right of way for Soo River FSR 7910 Branch 5 for about 250 m and then the Soo River FSR 7910 Branch 1 "mainline" for approximately 1,575 m.

2.2 Location Justification

Provide your reasons/justification of the need for this type of project at this location:



The powerline has been on the land, situated within the Soo River FSR right-of-way, and operating since 1994 without incident. The Joint Venture intends to continue operating the powerline without material changes to the footprint, or the manner in which the line is maintained or operated. Without the transmission line the project is a stranded investment as a generation project cannot exist without connection to BC Hydro's system.

The permission to construct and operate the line for up to 20 years was provided in the 1993 Ministry of Forests Works Permit 942-7910 as per clause 1 which reads "... construction, use, and maintenance of the said works is carried out to the satisfaction of the Permittor, according to the requirements in the Schedule attached to this Permit" and clause 13 which reads "following completion of construction and subject to the foregoing provisions the permittee, its assigns and successors are granted the right to unhindered operation of the transmission line for its intended purpose and the right to access, maintain, repair and modify the works as required for proper operation."

In anticipation of the expiration of the Works Permit term, in March 2013, Summit Power initiated a renewal process as was provided for in the permit (see opening section of the permit). On March 20, 2013 Ministry officials noted a follow up discussion would occur. One year later the issue remained unresolved and no substantive progress was made until January 2016 when, after numerous email exchanges, officials of the Ministry of Forests, Lands and Natural Resource Operation ("FLNRO") provided advice that, given changes in regulatory requirements over time, an application for a statutory right way for the transmission line is required.

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Project Phase (Construction / Operations)	Brief Description of Activity / Works	Season
Construction	completed 1993	
Operations	transmit electricity from existing Soo River IPP	continual
Add Row		

3.0 Infrastructure and Improvements

3.1 New Facilities and Infrastructure

Detail any new facilities, infrastructure or processes proposed and any ancillary uses. Provide details of planned construction methods and materials, and construction scheduling.

Facility/Infrastructure/Process	Construction Methods/Materials	Construction Schedule
None	completed	completed 1993
Add Field		

3.2 Access

Identify existing and proposed roads used for access and their use by season. Include any proposed connections to public or Forest Service Roads; traffic information including volume of traffic during construction/operation and phase or season that the traffic is expected:



Roadway/Proposed Connection	Existing/Proposed	Existing Road Classification	Road Permittee Information and Road Use Agreements	Traffic Volume		Mitigation of Traffic Effects
				Construction Phase	Operations Phase	
FSR 7910	existing	forest service	ROAD USE PERMIT For Industrial Use of a Forest Service Road 7910-15-01	not applicable	routine access by personal light duty vehicle because the road leads to the project	non required
Add Field						

3.3 Utility Requirements and Sources

Describe utility requirements and sources, include agreements in place or underway allowing access to utilities.



Not applicable - Soo River Hydro is an IPP supplying electricity to BC Hydro utilizing existing private powerline for delivery of energy

3.4 Water Supply

Identify water requirements for construction and operation phases (e.g. surface water and/or groundwater), including sources, location, volume and a general description of infrastructure planned to meet water supply requirements, include any agreements outside of Water Act Authorizations identified above (Section I, Authorizations, Permits or Approvals), such as Municipal water supply.

Project Phase (Construction/ Operation)	Water Requirement (e.g. Surface water or ground water, etc)	Source/location	Volume	Infrastructure Description	Agreements
Not Applicable					
Add Field					

3.5 Waste Collection Treatment and Disposal

Identify water requirements for construction and operation phases (e.g. surface water and/or groundwater), including:



Project Phase (Construction/ Operation)	Water Requirement (e.g. Surface water or ground water, etc)	Source/location	Volume	Infrastructure Description	Agreements
Not Applicable					
Add Field					

4.0 Environmental

Describe any significant impacts and proposed mitigation for the following environmental classes:

4.1 Land Impacts

4.1.1 Vegetation Removal

Is any timber removal required?

☐ Yes ☒ No

Are any areas of vegetation to be cleared, outside of timber removal?

☒ Yes ☐ No

Removal Type	Impacts	Proposed Mitigation
occasional brush trimming to maintain safe clearance distances to powerline conductors	minimal because already within a managed right of way	hand brushing techniques will avoid disturbance
Add Field		

4.1.2 Soil Disturbance

Will there be any areas of soil disturbance, including clearing, grubbing, excavation and levelling?

☐ Yes ☒ No

Is the area to be excavated a Brownfield site or has the potential to be contaminated?

☐ Yes ☒ No

Is there potential for disturbance of archaeological, paleontological fossils or historical artifacts?

☐ Yes ☒ No

4.1.3 Riparian Encroachment

Will any works be completed within or adjacent to the riparian zone of any water body?

☐ Yes ☒ No



4.1.4 Pesticides and Herbicides

Will there be any use of pesticides or herbicides during construction, operations and/or maintenance?

☐ Yes ☒ No

4.1.5 Visual Impacts

Will there be any adverse effects of the projects, and any potential adverse effects on sight lines to the project area from surrounding areas likely to be used for scenic viewing by residents or other users?

☐ Yes ☒ No

4.1.6 Archaeological Sites

Are there any known or high potential (Arch Procedure) archaeological sites within the project area?

☐ Yes ☒ No

Have you conducted an AIA or engaged an archaeologist to assist with your investigations?

☐ Yes ☒ No

4.1.7 Construction Methods and Materials

Identify the types of construction materials, the methods used, their impacts, and any mitigations:

Construction Material/Method	Impacts	Mitigations
Construction previously completed	n/a	n/a
Add Field		

4.2 Atmospheric Impacts

4.2.1 Sound, Odor, Gas or Fuel Emissions

Will the project construction or operation cause any of the following to disturb wildlife or nearby residents:

[\(Best management practices for sound\)](#)

Sound? ☐ Yes ☒ No

Odor? ☐ Yes ☒ No

Gas? ☐ Yes ☒ No

Fuel Emissions? ☐ Yes ☒ No

4.3 Water or Land Covered by Water Impacts

4.3.1 Drainage Effects

Will the project result in changes to land drainage?

☐ Yes ☒ No

4.3.2 Public Access

Will the project result in changes to public access?

☐ Yes ☒ No

4.3.3 Flood Potential

Will the project result in a potential for flooding?

☐ Yes ☒ No

4.4 Fish and Wildlife Habitat Impacts

4.4.1 Disturbance to Wildlife and Wildlife Habitat

Will the project result in adverse effects to wildlife or wildlife habitat?

[\(BC Wildlife Act\)](#)

☐ Yes ☒ No

Will the project (construction or operations phase) occur in and around streams, lakes, estuarine or marine environments?

☐ Yes ☒ No

Is the project (construction or operations phase) likely to increase erosion or sedimentation?

☐ Yes ☒ No

Will the project (construction or operations phase) require water diversion?

☐ Yes ☒ No

Will the project threaten or endanger species at risk in the area?

[Species At Risk Act](#)

☐ Yes ☒ No

5.0 Socio-Community

5.1 Land Use

Describe the current community setting on or near the project area, including the location of non-aboriginal and aboriginal communities or known use areas.

Industrial resource road corridor within Provincial Forest described in Squamish Lillooet Regional District, Electoral Area C, Official Community Plan designated as "Resource Management Area"

5.1.1 Land Management Plans and Regional Growth Strategies

Are there any land and resource management plans, coastal plans, provincial, regional growth strategies or local government plans with zoning, or management policies or use restrictions in place that could limit or preclude your proposed use of the land? (Please refer to the [Union of BC Municipalities \(UBCM\)](#), and check the websites of the municipality, regional district or other organization with jurisdiction including your project area.)

☒ Yes ☐ No

Please list:

See Policy 9.4 of Squamish Lillooet Regional District, Electoral Area C, Official Community Plan, Bylaw No.. 689, 1999 - Consolidated Copy March 2015

"9.4. The development of small hydroelectric facilities is considered to be consistent with the Resource Management land designation where they are shown to be compatible with adjacent land uses, technically sound, environmentally responsible, socially responsible, and licensable."

<http://www.slrd.bc.ca/inside-slrd/bylaws/electoral-area-c-official-community-plan-bylaw>

http://www.slrd.bc.ca/sites/default/files/bylaws/maps/PA689%20Maps%20Consolidated%20March%202015_0.pdf



5.2 Socio-Community Conditions

5.2.1 Adjacent Users or Communities

Is the project likely to restrict public access, or the ability, or the ability of adjacent land owners or tenure holder to access their property or tenures?

☐ Yes ☒ No

5.2.2 Existing Services

Provide a description any increased demand on fire protection and other health facilities and emergency services arising from your Project, including proposed management or mitigation measures.



None required

END OF FORM