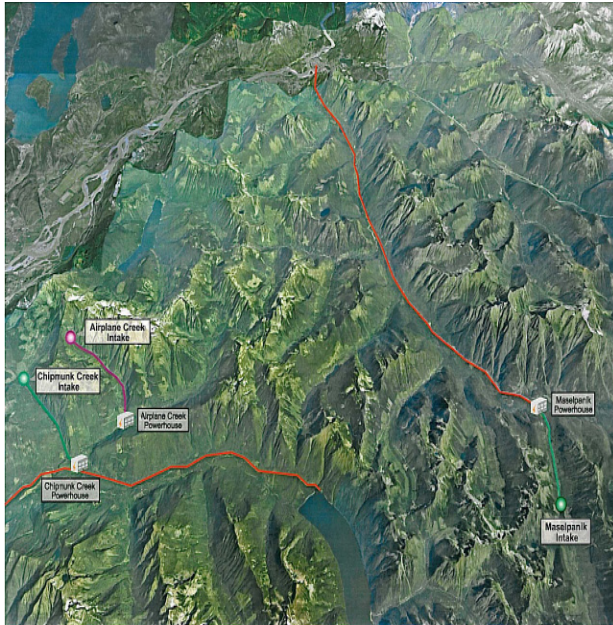


MASELPANIK CREEK PROJECT

PROJECT SYNOPSIS



Google Map Image

PROJECT DESCRIPTION

A high elevation intake will divert flow from Maselpanik Creek into buried penstock that flows into a single powerhouse.

A new transmission line will be constructed from the project powerhouse to a tie-in at an existing BCTC transmission line west of Hope.

SITE CHARACTERISTICS

PROJECT LOCATION

- 51 km east of Chilliwack and 35 km south of Hope, BC
- Access along Silverhope Road

EXISTING DEVELOPMENT

- Existing mainline logging roads can be developed
- Existing BCTC transmission line suitable for interconnection

DEVELOPMENT STATUS

TECHNICAL STATUS: PRELIMINARY DESIGN

- Hydrology study based on regional data and site stream gauge data
- Feasibility design based on Culliton design, straightforward construction

FINANCIAL STATUS:

- Evaluation using data from feasibility study and RETScreen

REGULATORY STATUS: APPLICATION ACCEPTED

- Applications for water license and land tenure accepted
- Permit scoping studies underway

NEXT STEPS FOR DEVELOPMENT

- Confirm regional hydrology analysis with existing gauge data
- Refine cost estimates, hydrology for detailed project design and planning
- Initiate consultation with government agencies and key stakeholders

PROJECT CHARACTERISTICS

Gross Head	470 m
Est. Design Flow	3.6 cms
Est. Plant Capacity	13 MW
Annual Energy	60 GWh

PRELIMINARY COST DATA

INTAKE TYPE	Coanada
PENSTOCK LENGTH (TOTAL)	
Fiberglass	3743 m
Steel	1000 m
New Roads (%)	0
POWERHOUSE	
Turbines	2 x 6.5 MW
Type	Pelton
TRANSMISSION LINE	
Voltage	69 kV
Length	37 km
Type	Single Pole
SUBSTATION UPGRADE	TBD
ESTIMATED CAPITAL COST	TBD