# Public Notice

# Scarlett Point Lightstation – New Wind and Solar Energy System

# Public Comments Invited

**June 15, 2023** - The Fisheries and Oceans Canada must decide whether the New Wind and Solar Energy System, located at Scarlett Point Lightstation on the northeast coast of Vancouver Island, BC, is likely to cause significant adverse environmental effects.

To help inform this decision, Fisheries and Oceans Canada is inviting comments from the public on the project and its potential effects on the environment. All comments received will be considered public. For more information, individuals should consult the [Privacy Notice](https://www.ceaa-acee.gc.ca/050/evaluations/Protection?culture=en-CA) on the Registry website.

Written comments must be submitted by **July 15, 2023,** to:

# Emily Sapsford, Project Engineer

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# Assessment Summary

# DFO and CCG are proposing to install a renewable energy system at the Scarlett Point Lightstation. The lightstation is staffed by two lightkeepers 24/7 as per maritime safety requirements. Currently, the station is powered by diesel fuel powered generators, which supply electricity to the two residences, light tower, weather monitoring system, and the many other buildings and assets on station. The proposed design was chosen to reduce fuel consumption on site by incorporating renewable sources of energy.

# This proposed project involves the installation of an array of four 5 m x 3 m solar arrays with supporting concrete footings with a footprint of approximately 60 m2, as well as two 3kW wind turbines with 2.2 m x 2.2 m concrete foundations. The new infrastructure will be connected to an energy storage system comprised of batteries and inverters, housed in the existing engine building.

# Ground disturbance is expected in the areas where concrete foundations will be laid, as well as the conduit lines. A buried conduit or cable tray of approximately 30 m in length will be installed alongside the walkways from the proposed solar arrays to the engine building where the battery banks will be stored indoors.

# Helicopter slinging will be used to mobilize and demobilize equipment. If materials cannot be transported solely by helicopter, then a barge may be required. In this case, materials will be lifted to site by helicopter from the nearby barge.

# Scarlett Point is a lighthouse on the tip of Vancouver Island, approximately 20 km northwest of Port Hardy. The lighthouse sits on Balaklava Island, at the junction of Christie Passage and Gordon Channel.

# Project Locations

Scarlett Point Lightstation  
  
Site Access: Helicopter or Boat

# Coordinates:

Latitude: 50.860553

Longitude: -127.612925