# Public Notice

# Estevan Point Lightstation – New Wind and Solar Energy System

# Public Comments Invited

**December 13, 2022** - The Fisheries and Oceans Canada must decide whether the New Wind and Solar Energy System, located at Estevan Point Lightstation on the west 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 **January 14, 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 Estevan 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 three residences, radio communication equipment, weather monitoring system, and the many other buildings and assets on station. The proposed design is chosen as a means to reduce the fuel consumption on site by incorporating renewable sources of energy.

# This proposed project involves the installation of an array of four 5m x 4m Solar Panels with supporting concrete footings with a footprint of approximately 26m x 12m, as well as two 3kW wind turbines with 2.2m x 2.2m concrete foundations. The new infrastructure will be connected to an energy storage system comprised of batteries and inverters, housed in the existing fog alarm building.

# Ground disturbance is expected in the areas where concrete foundations will be laid, as well as the conduit lines. A buried conduit of 85m in length will be installed alongside the walkways from the proposed solar array to the Fog Alarm 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.

# Estevan Point is a lighthouse on the west coast of Vancouver Island, approximately 50km north of Tofino. The lighthouse sits at Estevan Point on the Hesquiat Peninsula, within the Hesquiat Peninsula Provincial Park.

# Project Locations

The Estevan Point Lightstation is located approximately 35 kilometers northwest of Tofino, B.C. and approximately 2.4 hectares in size. It can be accessed by ship offshore or by helicopter only. The light tower is recognized as a Federal Heritage Building through the Lighthouse Protection Act.

# Coordinates:

# Latitude: 49ᵒ22’5”N

# Longitude: 126ᵒ32’22”W