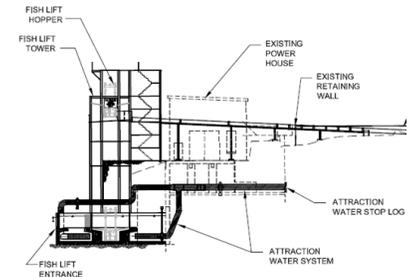
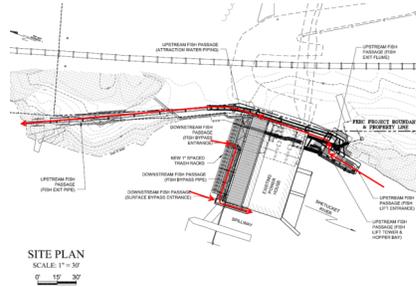


# Scotland Hydroelectric Station (FERC No. 2662) Fish Passage Project



## Project Summary

ALDEN is providing complete designs and specifications for construction of upstream and downstream fish passage facilities at the Scotland Hydroelectric Station.

## Client

FirstLight Power Resources, LLC  
an Affiliate of GDF SUEZ Energy NA, Inc.

## Location

Scotland Hydroelectric Station  
Windham County, CT

## Year

Ongoing

## Project Overview

ALDEN is providing FirstLight Power Resources, LLC (FLPR) with agency consultation, final design and specifications, and construction oversight of the upstream and downstream fish passage facilities to be constructed at their Scotland Hydroelectric Station (Scotland). Upstream fish passage includes design and installation of a new fish lift while downstream structures include modifications to the existing trash rack and surface and sub-surface bypasses.

## Work Performed

ALDEN reviewed existing geotechnical, hydrologic, site constraints, and other site data, along with the results of an additional site survey included in the project scope, to finalize the conceptual fish passage designs at Scotland. The conceptual designs were then further developed into detailed drawings and specifications and submitted FLPR as 30%, 60%, 90%, and final drafts for review. Following FLPR review each draft was submitted for agency review, after which ALDEN supported FLPR at agency meetings and by addressing any agency comments or concerns. After agency acceptance of the final detailed designs and specifications ALDEN supported FLPR in the construction bidding process with theoretical costs and bid reviews. Once a bid has been accepted ALDEN will provide construction oversight and resolve any requests for information or change orders that may arise. At the conclusion of construction ALDEN will provide FLPR with record drawings.

## Project Highlights

- ALDEN developed detailed designs and specifications for upstream and downstream fish passage for Scotland. This was provided in 30%, 60%, 90%, and final drafts for review.
- ALDEN supported FLPR through the permitting and agency review process at 30%, 60%, 90%, and final review design review meetings and in additional meetings which were ultimately required.
- ALDEN provided construction bidding support and will be providing engineering consultation throughout the construction process. Construction begin in 2017 and is ongoing. At the conclusion of construction ADLEN will also provide record drawings.

## FOR MORE INFORMATION,

Contact our Headquarters, Holden, MA at +1 (508) 829-6000 or by e-mail at : [info@aldenlab.com](mailto:info@aldenlab.com)