

Agency: Commerce, Community and Economic Development**Grants to Named Recipients (AS 37.05.316)****Grant Recipient: Prince Of Wales Hatchery Association****Federal Tax ID: 92-0157270****Project Title:****Project Type: Equipment and Materials**

Prince Of Wales Hatchery Association - Hatchery Equipment Replacements and Upgrades

State Funding Requested: \$475,000**House District: 5 / C**

Future Funding May Be Requested

Brief Project Description:

The replacement of old, worn out vehicles used for hatchery facility maintenance, transports of fish and personnel. In addition, purchase of new, state of the art fish hatchery equipment, to allow for expansion of existing programs, and insure program success for many years to come.

Funding Plan:

Total Project Cost:	\$475,000
Funding Already Secured:	(\$0)
FY2013 State Funding Request:	<u>(\$475,000)</u>
Project Deficit:	\$0

Detailed Project Description and Justification:

The Prince of Wales Hatchery Association is a private-non-profit company, producing coho and chinook salmon for the common property fisheries of Southeast Alaska. POWHA became incorporated in 1996, taking over the operation of the Klawock River Hatchery facility, after ADF&G ceased operations there. The equipment remaining at the facility for POWHA to use included skiffs, trucks, tools and equipment that had been used by ADF&G since the 1970s.

During the past 16 years, the facility has had minimal upgrades and no major maintenance. Peeling paint and leaking roofs are examples of the state of the main hatchery building. The main pipeline which supplies incubation and rearing water has developed a leak, and has been temporarily repaired with a wooden plug. Vehicles which have been used for transporting fry, pallets of fish food, and equipment have become run down, and are no longer dependable for fry transports. A pickup truck used constantly for many reasons is steadily falling apart, and is no longer reliable. A Case forklift used for moving fry and pallets of feed has worn out, and is constantly in the shop for repairs. The unit is so old that many of the standard repair parts cannot be purchased any longer. Replacing these worn out vehicles with new ones will help guarantee that the efforts of this private-non-profit company will pay off, allowing yearly operations to continue.

The fiberglass skiffs used on Klawock Lake are powered by old outboard motors, from 40 to 50 HP. The boats are used everyday during the spring, summer and fall, and these motors have many operating hours on them. The wear and tear is obvious, as these motors require constant maintenance and repair.

The Klawock River Hatchery program is using floating netpens on Klawock Lake, where the majority of the coho fry are produced each year. Beginning this spring, transports of coho fry reared in the lake, to netpens moored in the Klawock

River estuary, will become standard rearing practices, in an effort to increase the production of coho adults each year. With this in mind, in addition to replacing old worn out equipment, the program would like to purchase and begin using the newest type of fish culturing tools available today. The most important of these are systems and machines used in handling / moving fry and smolts. Fish pumps and pescalators are examples of these. New portable power sources (portable generators) for these tools is also required. This will enable hatchery operators to quickly and safely transport coho to estuary netpens.

In the spring, coho fry are transported to Klawock Lake netpens using a small steel barge. The barge that is presently in use is very old and rusty, and cannot be repaired. This is due primarily to the sheet metal being so thin that welding repairs are not possible. Retiring this barge before it sinks is soon to happen. Replacing this barge with a new or used unit (of approximately the same size) will allow this program to continue as it had been. Without the use of a barge, transports to the netpens will be very difficult.

Monitoring water flows, and head tank levels, is usually done at hatcheries using a standard float type alarm system. What is presently in use at the Klawock River Hatchery is a home made system, using a loud horn located outside the main building. A state-of-the-art system, one which will monitor temperature, dissolved oxygen levels, as well as head tank levels, is needed to insure success. This newer system (much like a pager system) will reach employees who don't live on site at the hatchery.

The people of Prince of Wales Island depend on the yearly returns of coho and chinook for subsistence, sport and commercial fishing. This hatchery project is seen by many as an essential part of what makes life possible here. The PNP called POWHA cares about the long-term production of surplus salmon, for the common property user. Operational monies have been borrowed from the State of Alaska, Division of Investments, to keep the programs going. Increased returns of adult salmon are anticipated in the near future. If money for capital projects is available to this Company, the chances are that Prince of Wales Hatchery Association will be able to continue operations long into the future.

The Klawock River Hatchery is permitted by the State of Alaska to fertilize and raise 5 million coho fry per year. In recent years, many of the existing rearing nets have become so worn out that rips have developed, especially during the winter months, which can lead to fry escaping to the lake. The program has an adequate supply of the smallest mesh rearing nets, but the intermediate mesh, and the large mesh sizes will soon reach their useful life expectancy. Replacement of these rearing nets will insure that fry will have a strong, secure environment, whether reared in freshwater, or in the estuary.

Project Timeline:

The vehicles, forklift, tools and equipment is needed now. As soon as funding is available, the purchases will begin.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Prince of Wales Hatchery Association

Grant Recipient Contact Information:

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Total Project Snapshot Report

2012 Legislature

TPS Report 58562v1

Has this project been through a public review process at the local level and is it a community priority? Yes No

Prince of Wales Hatchery Association

TPS Number: 58562

February, 2012

The following are costs associated with items listed in our request for funding assistance:

Item #	Description
1	Case 121E Forklift (feed pallet transfers, fish transfers, facility maintenance)
2	Ford F-550 Flatdeck truck (fish transfers)
3	Ford F-150 Crewcab truck (personnel transport)
4	Diesel America West / 4" water pump
5	Aqua-Life Products / 4" Fish pump, Electric, 240 VAC
6	Christensen Networks / rearing nets, predator nets
7	Bay Company / 3 @ 40 HP Yamaha Outboard motors
8	Honda 4" Gas powered Water Pump / Model # WT40 (fish transfers)
9	Honda Generator, portable / Model # EM6500SX (fish transfers)
10	Point 4 / 5 Probe Wireless Alarm System
11	Aquatic Ecosystems / Pescalator (fish transfers)
12	Aluminum Welded work barge, 30 ft. X 14 ft. X 4 ft., made in Oregon (coho rearing)
13	Ryan Herco /400 ft. of 4" PVC hose (fish transfers)
14	Eagar Aquaculture Supply / Dipnets / brushes
15	Estimated freight charges

Total=

Price

75,443

48,685

33,895

6,045.90

25,030.17

121,306.32

20,016.30

3,424.30

2,755.00

14,000

15,000

53,000

8,720

4,373.70

43,305

475,000