

Kodiak Regional Aquaculture - Kitoi Bay Hatchery**FY2013 Request: \$1,550,000****Reference No: 52168****AP/AL:** Allocation**Category:** Development**Location:** Afognak**Impact House District:** Kodiak (HD 36)**Estimated Project Dates:** 07/01/2012 - 06/30/2017**Appropriation:** State Owned Hatcheries - Upgrades and Maintenance**Project Type:** Renewal and Replacement**Recipient:** Kodiak Regional Aquaculture**House District:** Kodiak (HD 36)**Contact:** Jo Ellen Hanrahan**Contact Phone:** (907)465-2506**Brief Summary and Statement of Need:**

Kodiak Regional Aquaculture - Kitoi Bay Hatchery

Kitoi Bay Hatchery is a state-owned hatchery built in 1964. This project will fund weatherization and energy efficiency, hydropower, water system and fishway, and boat dock upgrades.

Funding:	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	Total
Gen Fund	\$1,550,000						\$1,550,000
Total:	\$1,550,000	\$0	\$0	\$0	\$0	\$0	\$1,550,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required	<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill		

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

SLA 11, Ch 5, pg 75, ln 15 - \$1,308,000 GF

Project Description/Justification:

Kitoi Bay Hatchery (KBH) is a State-owned salmon hatchery located remotely on Afognak Island approximately 30 miles north of Kodiak. The facility was rebuilt shortly after being destroyed in the 1964 earthquake and has many deferred maintenance needs. This project will provide for water supply system and fishway improvements, replacement of hydroelectric components, boat dock replacement, and weatherization and energy efficiency upgrades for five buildings (power house, bunkhouse, and three staff housing units).

These upgrades will extend the life of the hatchery facility and reduce the annual operating costs.

Kitoi Bay Hatchery, Structural and System Repair Details
KBH Tank and Piping Systems

This level of funding is needed to upgrade, through repair or replacement, various above and below ground tank and piping systems, including, potable water treatment system, heat recovery system (piping and heat exchangers), main fuel tanks, fuel piping, and domestic wastewater systems.

KBH Water Supply System

This level of funding is needed to upgrade hatchery water supply pipelines, PVC supply piping and

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valves, PVC drain/fry transfer pipes, associated valves, and alarm sensors and panel re-labeling.

Hatchery Building

This level of funding is needed to upgrade miscellaneous piping systems including replacement of filters and valves within the old Hatchery Building.

Incubation Building

This level of funding is needed to upgrade the water recirculation filter system and replace piping and valves within the newer Incubation Building.

Electrical Generator Building

This level of funding is needed to replace roofing and siding, repair or upgrade the foundation, install a new day tank, level the fuel tanks and upgrade fuel oil piping, and complete the upgrade of the cooling/heat recovery system within the Generator Building.

Hangar/Warehouse

This level of funding is needed to replace siding and strengthen the former Hangar (now used for storage and rearing).

Old Storage Buildings

This level of funding is needed to demolish and replace an old storage building and multiple old container vans.

Bunkhouse

This level of funding is needed to replace the roof, siding, and windows, renovate/upgrade the building electrical and plumbing, remodel the kitchen, and provide an integrated fire alarm system within the Bunkhouse.

Core Staff Residences (3 Units)

This level of funding is needed to weatherize and increase the energy efficiency of 3 separate residential housing units to include replacement of 17 year old heating boilers, carpet and appliances, and to renovate the electrical systems.

Coho Rearing Units (4)

This level of funding is needed to replace decaying timber foundations, review structures for seismic stability and provide additional bracing and support for 4 large rearing units used for coho salmon production.

Fish Ladders and Weirs

This level of funding is needed to repair two fish ladders and weir structures located on Big and Little Kitoi Creeks, necessary for collecting and securing hatchery brood stock, including replacement of baffles and pickets.

Main Dock

This level of funding is needed to replace at least 6 pilings, bracing and decking to repair and improve safety and structural integrity of the KBH dock.

Small Vessel Float and Ramp

This level of funding is needed to repair and upgrade rock anchors and replace the floats in the KBH boat dock and the access ramp.

Site Electrical Distribution

This level of funding is needed to upgrade the existing electrical distribution system throughout the facility, in locations other than specifically mentioned previously.