

Power Backup for Genetics Laboratory**FY2009 Request: \$100,000**
Reference No: 45363**AP/AL:** Appropriation**Project Type:** Equipment**Category:** Natural Resources**Location:** Anchorage Areawide**Contact:** John Hilsinger**House District:** Anchorage Areawide (HD 17-32) **Contact Phone:** (907)267-2324**Estimated Project Dates:** 07/01/2008 - 06/30/2014**Brief Summary and Statement of Need:**

This project funds the engineering, purchase, and installation of an appropriately-sized generator to power all ultra-cold freezers in case of an electrical power outage at the Alaska Department of Fish and Game offices in Anchorage.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Gen Fund	\$100,000						\$100,000
Total:	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000

<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
<u>One-Time Startup:</u>	0	
Totals:	0	0

Additional Information / Prior Funding History:

No prior funding.

Project Description/Justification:

The Alaska Department of Fish and Game Commercial Fisheries Division maintains an extensive archival collection of fish and shellfish tissues suitable for a wide range of genetic stock identification studies. Over the last two decades, the department has invested extensive funds (over \$3,000,000) to collect these samples from throughout the State. Many of the spawning populations of salmon originate from remote areas only accessible by helicopter, float plane, or vessel. Further, many of the samples are irreplaceable in a historical context as they represent fisheries from earlier years or populations that may have undergone changes due to climatic or other events.

The collection currently numbers over 450,000 specimens. Over half the material is currently stored in ultra-cold freezers at -80° C. The department maintains a telephone alarm system to alert staff during power failures, but does not have a backup generator in case of prolonged power failure. This request will cover the engineering, purchase, and installation of an appropriately-sized generator to power the laboratory including all ultra-cold freezers as well as chemical freezers typically storing over \$100,000 worth of reagents.

Once fully developed and deployed, current personnel will coordinate operation and support of the system.