

UAF Alaska Region Research Vessel Additional Receipt Authority

FY2009 Request: \$116,000,000
Reference No: 45331

AP/AL: Appropriation

Project Type: Construction

Category: University

Location: Statewide

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Estimated Project Dates: 03/16/2009 - 06/30/2014

Brief Summary and Statement of Need:

The American Reinvestment and Recovery Act directed \$3 billion to the National Science Foundation (NSF) to enable U.S. investment in America's scientific enterprise. Of this funding, NSF will direct \$196 million to the University of Alaska Fairbanks (UAF) for the construction of the Alaska Region Research Vessel. In FY05, UAF was given receipt authority up to \$80 million for NSF funding to purchase a new research vessel. Since this time the NSF funding has increased by \$116 million to accommodate inflation and changes in scope of work over the past few years.

Funding:	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>Total</u>
Federal ES	\$116,000,000						\$116,000,000
Total:	\$116,000,000	\$0	\$0	\$0	\$0	\$0	\$116,000,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" 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:

FY05 \$80M, Federal Receipt Authority

Project Description/Justification:

The Alaska Region Research Vessel (ARRV) is a 236-foot ice-capable vessel to support research in high latitudes. The ARRV will be owned by the National Science Foundation and operated by UAF on behalf of the entire ocean sciences community, through the University-National Oceanographic Laboratory System. The new vessel will open up the ice-choked waters of the Alaska region to scientists from all over the world and will be the first vessel in the U.S. academic research fleet capable of breaking ice up to 2.5 ft thick. In addition to its ice-breaking capabilities, the ARRV will allow researchers to collect sediment samples directly from the seafloor, host remotely operated vehicles and use a suite of flexible winches to raise and lower testing equipment throughout the water column. The ship will also be able to transmit real-time information directly to classrooms all over the world. The ARRV will accommodate 26 scientists and students at a time, including those with disabilities.

With its ability to penetrate the polar and sub-polar regions, the ARRV will allow scientists and graduate students to study global issues, such as sea-level rise and climate change and the effects of both on the coastal and arctic ecosystems.

