

**Arctic Region Supercomputer Purchase****FY2002 Request: \$30,000,000****Reference No: 34517****AP/AL:** Appropriation**Project Type:** Information Systems**Category:** University**Location:** Fairbanks Areawide**Contact:** Pat Pitney**House District:** Fairbanks Areawide (HD 29-34)**Contact Phone:** (907)474-5889**Estimated Project Dates:** 07/01/2001 - 06/30/2006**Brief Summary and Statement of Need:**

Arctic Region Supercomputer Purchase (UAF) is a high priority item necessary to meet the FY02 BOR goal of Preparing for Alaska's Economic Success.

<b>Funding:</b>	<u>FY2002</u>	<u>FY2003</u>	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>	<u>FY2007</u>	<u>Total</u>
Fed Rcpts	\$30,000,000						\$30,000,000
<b>Total:</b>	\$30,000,000	\$0	\$0	\$0	\$0	\$0	\$30,000,000

<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	
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:****Project Description/Justification:****Preparing for Economic Success - Building for Economic Development****Arctic Region Supercomputer Purchase-UAF**

**\$30,000.0 NonGF**  
**\$30,000.0 TPC**

By obtaining \$30 million in federal receipt authority, UA will continue to be a world leader in supercomputing through the procurement of high performance computing hardware. As computing power increases, supercomputers ability extends such that previously unattainable mathematical simulations can be conducted. The Arctic Region Supercomputing Center intends to continue to be a leader in cutting edge research for investigators from around the world. This federal receipt authority will allow ARSC to continue to meet the demands of these investigators.

High performance computing hardware procurements of \$30,000,000 are expected in FY02. Funding will be used to replace aging High Performance Computing resources that will have served, federal, and Department of Defense (DOD) researchers for almost five years at the time of replacement. Specifics regarding the selection of replacement hardware are not available at this time. ARSC is defining requirements with the assistance of internal and external advisors, collaborating with the DOD's High-Performance Computing Modernization Office, and studying HPC-hardware vendors to select replacement hardware.