

UAF Energy Technology Building

FY2010 Request: \$15,300,000

Reference No: 47686

AP/AL: Appropriation

Project Type: Construction

Category: University

Location: Fairbanks Areawide

Contact: Michelle Rizk

House District: Fairbanks Areawide (HD 7-11)

Contact Phone: (907)450-8180

Estimated Project Dates: 07/01/2009 - 06/30/2014

Brief Summary and Statement of Need:

A critical need exists for expanded teaching and research laboratory space as the need for advancement of energy technology continues to grow. Completion of a new energy building will foster continued growth in academics, research, and job training for future employees to benefit Alaska's construction, oil, and gas industries. The Energy Technology Building would provide designated space to conduct research, testing, and demonstrations. Graduate and undergraduate students will have the opportunity to work with principal investigators on these research projects. The fast-tracked building will be completed 20 - 24 months after funding is secured.

Funding:	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	Total
Gen Fund		\$15,300,000					\$15,300,000
Univ Rcpt	\$15,300,000						\$15,300,000
Total:	\$15,300,000	\$15,300,000	\$0	\$0	\$0	\$0	\$30,600,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" 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:	808,956	0
One-Time Startup:	0	
Totals:	808,956	0

Additional Information / Prior Funding History:

No prior funding has been received for this project.

Project Description/Justification:

In January 2008, UAF launched the Alaska Center for Energy and Power (ACEP), a new research unit to investigate energy options for the state. ACEP builds upon years of energy research organized under the Arctic Energy Technology Development Laboratory. ACEP is part of the Institute of Northern Engineering, the research branch of the College of Engineering and Mines. The Energy Technology Building would provide designated space to conduct research, testing, and demonstrations. Graduate and undergraduate students will have the opportunity to work with principal investigators on these research projects.

Although its administrative home is UAF, ACEP integrates energy research across University of Alaska campuses and the state. ACEP's mission is to meet state and industry demand for applied energy research and development to lower energy costs throughout Alaska, and to develop economic opportunities for the state, its residents and industries.

For ACEP to help meet the demand for applied energy research in Alaska, it is crucial that there is designated space where public and private entities can interact with the university. With its present distribution across campus, there is no central location that brings the university and the community together around energy solutions. In addition, the lack of appropriate space also makes it challenging to hire and retain the type of world-class researchers needed to meet ACEP's long-term program goals. UAF is proposing construction of a new facility for ACEP using 50% non-general funds. The fast-tracked building will be completed 20 – 24 months after funding is secured.