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Attached is the 2012-2013 work plan for the ISER-Center for Alaska Education Policy Research (CAEPR).

UNIVERSITY OF ALASKA

Capital Budget [HCS CSSB 160(FIN) am H] Page 151, line 17]

Research and Development of Unmanned Aerial Systems	5,000,000	5,000,000

It is the intent of the Legislature that the University of Alaska collaborate with the Federal Aviation Administration in establishing a research and development program and possible test facility for Unmanned Aerial Systems in Alaska. Unmanned Aerial Systems are already being utilized in Alaska in many ways and as the Arctic race progresses, they will become even more vital as a resource to the State and the Country.

Attached is the Unmanned Aircraft Systems (UAS) funding objectives and next steps.

Please let me know if you have any questions regarding the information provided.

Sincerely,

Michelle Rizk

2012-2013 Work Plan for Legislative Appropriation

The following is UAA's Center for Alaska Education Policy Research (CAEPR) work plan for the funding received from the Alaska Legislature for FY 2013. We intend to start with the work laid out below, and then assess where we are and what we have learned in order to move forward with issues that are more difficult to address. For example, we want to complete the "State of the State" ßi« ¦w¼è

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Teachers will be asked about issues such as:

a) Their perceptions of leadership in their school
b) Their relationships with parents and community
c) Salary, benefits and financial incentives to stay in their school
d) Mentoring and professional development

5) Conduct a study of recent graduates of UA programs
   Timeline: Research underway, will be completed by end of December 2012.

   CAEPR is working with Donna Gail Shaw, Professor Emerita, UAA College of Education, to survey 2011 and 2012 teacher preparation graduates from all of the UA campuses on their perceptions of how well they were prepared for teaching. We then will talk with graduates who are not in the classroom to find out why they are not teaching. This will allow us to explore the prevalence of the reasons that have been hypothesized (such as a lack of jobs in their community, inability to relocate, decided decision to pursue a different career path) and to identify other factors affecting graduate employment. Most of this research will be supported by other sources, but some of the work on the University of Alaska K-12 Education Preparation Report will support this study as well.

6) Identify faculty across the colleges and schools of education in Alaska to conduct studies on specific questions raised by the legislature including:
   Timeline: AY 2013-2014

   a) How are curriculum decisions made at the state and district level; are there comprehensive curriculum plans; and to what extent does student achievement data feed into these decisions?
   b) What is the state of distance delivered education in Alaska? What evidence is there of quality, effectiveness and efficiency?

Other work CAEPR is doing alone or in collaboration with other organizations will address some of the issues listed in the priorities. For example, CAEPR is now part of the Alaska State Policy Research Alliance (ASPRA), along with the Alaska Department of Education and Early Development

Unmanned Aircraft Systems (UAS) Capital Budget Funding Objectives & Next Steps

November 2012 -

The capital budget support

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The UA Board of Regents action at the September meeting to establish the UA Research Foundation has encouraged the team to investigate how a for-profit company that conducts UAS flight services based in Alaska, with operations worldwide, could exist as a subsidiary of the Foundation. The idea is that flight operators would go where the need exists, but the data processing would be on the UAF campus. There is an established market identified and UAF can attract these types of aerial mapping projects in a competitive market. The team is developing the business model now for these services and will be looking for private investors in this partnership, with assistance of the Office of Intellectual Property and Commercialization (OIPC).

The accomplishments and growing stature of the UAF UAS program have made apparent the need for a more formal structure in order to support the next levels of program expansion and accomplishment. An Alaska Center for Unmanned Aircraft Systems Research, Test and Evaluation (ACARTE), organized within the Geophysical Institute at UAF, will provide the needed structure, visibility, focus, and support for the program's much greater leadership role in the University, in the State of Alaska, and beyond, both nationally and internationally. ACARTE will become a natural hub of educational work and outreach, linking research to course development, curriculum and research to outreach, drawing Alaska's youth into science and engineering while advancing understanding in a host of other scientific endeavors. The Center will become a draw for technology firms both to provide needed talent and as an incubator for entrepreneurial spinoffs. Workforce development coupled with significant expansion of technical job opportunities in Alaska, ranging from skilled, certified mariners and operators to top notch researchers and engineers, will likely start in Fairbanks and expand quickly to the rest of the state. The proposal to establish a Center, will be presented to the UA Board of Regents for approval in December 2012.