Agency: Commerce, Community and Economic Development

Grants to Named Recipients (AS 37.05.316)

Grant Recipient: Juneau Economic Development Council **Federal Tax ID:** 94-3053042

Project Title: **Project Type:** Other

Juneau Economic Development Council - Spring Board Technology Transfer Alliance Program

State Funding Requested: $500,000 **House District:** Statewide (1-40)

One-Time Need

Brief Project Description:

Support for statewide technology transfer programs incorporating the existing Juneau Economic Development Council's SpringBoard Program with that of the University of Alaska Fairbanks for the purpose of commercializing the university's Intellectual Property to promote business development in Alaska and continue to access federal research that can benefit businesses in Alaska.

Funding Plan:

Total Project Cost:	$700,000
Funding Already Secured:	($200,000)
FY2013 State Funding Request:	($500,000)
Project Deficit:	$0

Funding Details:

Over the last 5 years, JEDC received $2.1 in Federal Funding through the Department of Defense (DoD) budget to initiate and operate a technology transfer program aimed at developing, demonstrating and commercializing technology developed by Department of Defense laboratories.

UAF will apply $100,000 resources to this project. These monies were previously allocated general fund resources assigned to commercialize UAF's Intellectual Property.

Detailed Project Description and Justification:

Technology Transfer is the process of skill transferring, knowledge, technologies, methods of manufacturing, samples of manufacturing and facilities among governments or universities and other institutions. As Alaska ranks 48th in a list of patents issued per capita, there is a clear need for these sorts of activities.

Furthermore, the importance of technology transfer to economic development is recognized at the highest levels of government. In 2011, President Obama enacted the America Invents Act (AIA), in which he identified the importance of Technology Transfer in economic growth and stability. The AIA promotes faculty innovation and entrepreneurship by actively supporting the university technology transfer function as well as facilitating Federal Lab-industry or university-industry collaboration. Portions of the AIA allow Federal agencies and universities to shop discoveries to any technology transfer program.

The Office of Intellectual Property and Commercialization (OIPC) at the University of Alaska Fairbanks (UAF) is responsible

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$250,000 Approved

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Contact Name: Kimberly
Contact Number: 465-3473

for developing inventions at UAF from the inception of the invention through prior art searches, market analysis, intellectual property protection , and licensing. Its current responsibilities are to facilitate and protect UAF's research activities, and bring the results to private business through commercialization.

Functioning along similar lines to the OIPC, JEDC/SpringBoard has been a Technology Transfer Partnership Intermediary with the DoD since 2006. SpringBoard has been tasked with providing small businesses and educational institutions with technical assistance aimed at helping them identify appropriate DoD technologies for licensing and commercialization as well as identify new technologies in the private sector that the DoD could then utilize and transfer to operational use.

JEDC proposes to use its existing relationships with the Federal Laboratory system to aid the OIPC in marketing intellectual. JEDC and the OIPC will also monitor the current technology thrusts and capabilities of university researchers attempt to create relationships and promote agreements such as, but not exclusive to, Educational Partnership Agreements (EPAs), Cooperative Research and Development Agreements (CRADAs), Material Transfer Agreements (MTAs) and Work for Private Parties (WPPs).

By working together, the two entities will foster innovation by actively commercializing the Intellectual Property of UAF, as well as building research relationships between researchers in the University and those in the Federal Laboratory Consortium.

This alliance will enhance the effectiveness of both parties to meet their tech transfer objectives while reducing costs to both parties by eliminating duplicated effort.

Project Timeline:

This project is an ongoing effort currently Federally funded through the DoD, however, this funding terminates partway thought fiscal year 2012. The requested funds will cover JEDC/SpringBoard's fiscal year 2012 Technology Transfer program costs as well as the proposed expanded project scope to benefit UAF's Office of Intellectual Property and Commercialization.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Juneau Economic Development Council

Grant Recipient Contact Information:

Name:	Brian Holst
Title:	Executive DIrector
Address:	612 West Willoughby Ave Suite A
	Juneau, Alaska 99801
Phone Number:	(907)523-2333
Email:	bholst@jedc.org

Has this project been through a public review process at the local level and is it a community priority? [X] Yes [ ] No

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Contact Name: Kimberly
Contact Number: 465-3473

RESOLUTION of the Board of Directors in support of
State of Alaska Funding
for UAF & JEDC/Springboard Technology Transfer Partnership
Resolution 02-12

WHEREAS, innovation is critical for economic development, protected intellectual property is important to the wealth generation, and Alaska ranks 48th in patents issued per capita, there is a clear need for programs that support Technology Transfer. Technology Transfer is a formal process of disseminating skills, knowledge, technologies, methods of manufacturing, samples of manufacturing and also sharing research and facilities among governments, universities and/or other institutions, including private enterprises; and

WHEREAS, while the University of Alaska Fairbanks (UAF) has an existing technology transfer office, it lacks resources necessary to fully harness, protect and commercialize its intellectual property; and

WHEREAS, the America Invents Act (AIA) highlights Technology Transfer as a method of promoting our nation's economic growth and prosperity; and the AIA promotes faculty innovation and entrepreneurship by actively supporting the university technology transfer function as well as facilitating university-industry collaboration; and allows universities to shop discoveries to any technology transfer program; and

WHEREAS, the SpringBoard program within the Juneau Economic Development Council (JEDC) currently works as a partnership intermediary for the Department of Defense (DoD) to propagate new-taxpayer funded discoveries and technology to the private sector in Alaska; and

WHEREAS, the benefit of this technology transfer work with the DoD is wide and varied, such as:

- JEDC/SpringBoard has brokered 72 Technology Transfer Agreements nationally. Out of this number, 42 agreements paired Alaska companies, educational institutions or local government entities with DoD laboratories.
- The remaining 30 agreements paired DoD laboratories with nationwide industry and academic partners. These agreements included Patent License Agreements (PLAs), Educational Partnership Agreements (EPAs), Cooperative Research and Development Agreements (CRADAs) and Material Transfer Agreements (MTAs). Economic clusters impacted by these agreements including mining, oil and gas production, environmental remediation, agriculture, public safety, civil engineering and infrastructure development, pharmaceutical / biomedical and waste management.
- JEDC/SpringBoard has developed relationships with laboratories of other agencies of the Federal government, such as the U.S. Department of Agriculture and the National Oceanic and Atmospheric Administration, and JEDC/Springboard is a member of the Federal Laboratory Consortium, has the capacity to secure Technology Transfer

Agreements with any Federal Laboratory associated with a Federal government agency; and

WHEREAS, the JEDC/Springboard and UAF technology transfer programs cooperate for mutual benefit including cost reduction and collaborative promotion of Alaska's global economic competitiveness; and

WHEREAS, DoD is experiencing budget cuts and is therefore reducing funding for the JEDC/SpringBoard Technology Transfer programs, weakening the ability of JEDC/Springboard to deliver technology transfer in Alaska.

NOW, THEREFORE, BE IT RESOLVED THAT:

On this 1st day of February 2012, the Board of Directors of the Juneau Economic Development Council hereby requests funding of $500,000 from the State of Alaska for continued statewide technology transfer programs in partnership with the University of Alaska Fairbanks for the benefit of the competitiveness of industry in Alaska.

Board President
Kurt Fredriksson

2-6-2012
Date

The White House Office of the Press Secretary October 28, 2011

Presidential Memorandum -- Accelerating Technology Transfer and Commercialization of Federal Research in Support of High-Growth Businesses

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

SUBJECT: Accelerating Technology Transfer and Commercialization of Federal Research in Support of High Growth Businesses

Section 1. Policy. Innovation fuels economic growth, the creation of new industries, companies, jobs, products and services, and the global competitiveness of U.S. industries. One driver of successful innovation is technology transfer, in which the private sector adapts Federal research for use in the marketplace. One of the goals of my Administration's "Startup America" initiative, which supports high growth entrepreneurship, is to foster innovation by increasing the rate of technology transfer and the economic and societal impact from Federal research and development (R&D) investments. This will be accomplished by committing each executive department and agency (agency) that conducts R&D to improve the results from its technology transfer and commercialization activities. The aim is to increase the successful outcomes of these activities significantly over the next 5 years, while simultaneously achieving excellence in our basic and mission focused research activities.

I direct that the following actions be taken to establish goals and measure performance, streamline administrative processes, and facilitate local and regional partnerships in order to accelerate technology transfer and support private sector commercialization.

Sec. 2. Establish Goals and Measure Progress. Establishing performance goals, metrics, and evaluation methods, as well as implementing and tracking progress relative to those goals, is critical to improving the returns from Federal R&D investments. Therefore, I direct that:

(a) Agencies with Federal laboratories shall develop plans that establish performance goals to increase the number and pace of effective technology transfer and commercialization activities in partnership with non federal entities, including private firms, research organizations, and non profit entities. These plans shall cover the 5 year period from 2013 through 2017 and shall contain goals, metrics, and methods to evaluate progress relative to the performance goals. These goals, metrics, and evaluation methods may vary by agency as appropriate to that agency's mission and types of research activities, and may include the number and quality of, among other things, invention disclosures, licenses issued on existing patents, Cooperative Research and Development Agreements (CRADAs), industry partnerships, new products, and successful self sustaining spinoff companies created for such products. Within 180 days of the date of this memorandum, these plans shall be submitted to the Office of Management and Budget (OMB) which, in consultation with the Office of Science and Technology Policy (OSTP) and the Department of Commerce, shall review and monitor implementation of the plans.

(b) The Interagency Workgroup on Technology Transfer, established pursuant to Executive Order 12591 of April 10, 1987, shall recommend to the Department of Commerce opportunities for improving technology transfer from Federal laboratories, including: (i) current technology transfer programs and standards for assessing the effectiveness of these programs; (ii) new or

creative approaches to technology transfer that might serve as model programs for Federal laboratories; (iii) criteria to assess the effectiveness and impact on the Nation's economy of planned or future technology transfer efforts; and (iv) an assessment of cooperative research and development venture programs.

(c) The Secretary of Commerce, in consultation with other agencies, including the National Center for Science and Engineering Statistics, shall improve and expand, where appropriate, its collection of metrics in the Department of Commerce's annual technology transfer summary report, submitted pursuant to 15 U.S.C. 3710(g)(2).

(d) The heads of agencies with Federal laboratories are encouraged to include technology transfer efforts in overall laboratory evaluation.

Sec. 3. Streamline the Federal Government's Technology Transfer and Commercialization Process. Streamlining licensing procedures, improving public availability of federally owned inventions from across the Federal Government, and improving the executive branch's Small Business Innovation Research (SBIR) and Small Business Technology Transfer (SBTT) programs based on best practices will accelerate technology transfer from Federal laboratories and other facilities and spur entrepreneurship. Some agencies have already implemented administrative changes to their SBIR and SBTT programs on a pilot basis and achieved significant results, such as reducing award times by 50 percent or more. Over the past year, some agencies have also initiated pilot programs to streamline the SBIR award timeline and licensing process for small businesses. In addition, some agencies have developed new short term exclusive license agreements for startups to facilitate licensing of inventions to small companies. Therefore:

(a) Agencies with Federal laboratories shall review their licensing procedures and practices for establishing CRADAs with the goal of reducing the time required to license their technologies and establish CRADAs to the maximum practicable extent.

(b) The Federal Chief Information Officer and the Assistant to the President and Chief Technology Officer shall, in coordination with other agencies: (i) list all publicly available federally owned inventions and, when available, licensing agreements on a public Government database; (ii) develop strategies to increase the usefulness and accessibility of this data, such as competitions, awards or prizes; and (iii) report their initial progress to OMB and OSTP within 180 days of the date of this memorandum.

(c) The heads of agencies participating in the SBIR and SBTT programs shall implement administrative practices that reduce the time from grant application to award by the maximum practicable extent; publish performance timelines to increase transparency and accountability; explore award flexibility to encourage high quality submissions; engage private sector scientists and engineers in reviewing grant proposals; encourage private sector co investment in SBIR grantees; partner with external organizations such as mentoring programs, university proof of concept centers, and regional innovation clusters; and track scientific and economic outcomes. The OMB, OSTP, and the Small Business Administration shall work with agencies to facilitate, to the extent practicable, a common reporting of these performance measures.

Sec. 4. Facilitate Commercialization through Local and Regional Partnerships. Agencies must take steps to enhance successful technology innovation networks by fostering increased Federal laboratory engagement with external partners, including universities, industry consortia, economic development entities, and State and local governments. Accordingly:

(a) I encourage agencies with Federal laboratories to collaborate, consistent with their missions and authorities, with external partners to share the expertise of Federal laboratories with businesses and to participate in regional technology innovation clusters that are in place across the country.

(b) I encourage agencies, where appropriate and in accordance with OMB Circular A 11, to use existing authorities, such as Enhanced Use Leasing or Facility Use Agreements, to locate applied research and business support programs, such as incubators and research parks, on or near Federal laboratories and other research facilities to further technology transfer and commercialization.

(c) I encourage agencies with Federal laboratories and other research facilities to engage in public-private partnerships in those technical areas of importance to the agency's mission with external partners to strengthen the commercialization activities in their local region.

Sec. 5. General Provisions. (a) For purposes of this memorandum, the term "Federal laboratories" shall have the meaning set forth for that term in 15 U.S.C. 3703(4).

(b) This memorandum shall be implemented consistent with applicable law and subject to the availability of appropriations.

(c) Nothing in this memorandum shall be construed to impair or otherwise affect the functions of the Director of OMB relating to budgetary, administrative, and legislative proposals.

(d) Independent agencies are strongly encouraged to comply with this memorandum.

(e) This memorandum is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

BARACK OBAMA

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Teck

March 20, 2012

Juneau Economic Development Council
612 W. Willoughby, Ste. A
Juneau, AK 99801

Subject: Springboard Program

To whom it may Concern:

On behalf of Teck Alaska Incorporated, the operator of the Red Dog Mine, I would like to express our appreciation of the Springboard, Technology Transfer Program's role in facilitating transfer of Department of Defense (DoD) technologies, and economic development partnerships. As a direct result of Springboards involvement, we will soon be entered into a partnership with ERDC Army Corp. of Engineers Laboratory in Vicksburg, MS to collaborate on the development of a new metal remediation product. The feed stock for this product is fish bone, and presents some great potential economic and environmental opportunities for business' in Alaska. If successfully commercialized, this technology could turn an Alaskan waste stream (fish bone) into a valuable product, as well as providing a potential new tool for improving the environment in Alaska.

We would like to acknowledge the value of the challenging work that the Springboard Program at the Juneau Economic Development Council does to help private industry in Alaska take advantage of technology developed by the Government and University for the benefit of Alaskans.
We look forward to continuing working with Springboard you in the future.

Sincerely,
Teck Alaska Incorporated

Wayne Hall
Manager, Community and Public Relations