

THE ALASKA MARICULTURE CLUSTER

2023 MIDSESSION SUMMIT



SOUTHEAST
CONFERENCE



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The Alaska Mariculture Cluster (AMC)

US Economic Development Administration (EDA)
Build Back Better Regional Challenge Grant

Accelerating a viable and sustainable mariculture industry for the long-term benefits of Alaska's economy, environment, and underserved communities


“U.S. DEPARTMENT OF COMMERCE INVESTS APPROXIMATELY \$49 MILLION TO BOOST MARICULTURE INDUSTRY IN ALASKA THROUGH AMERICAN RESCUE PLAN REGIONAL CHALLENGE”



Alaska Mariculture Cluster (AMC)

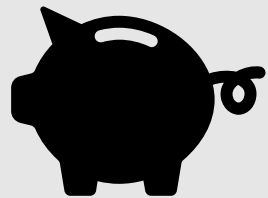
The US Economic Development Administrations (EDA) Build Back Better Regional Challenge program provides transformational investments to develop and strengthen regional industry clusters across the country, embracing equitable economic growth, creating jobs, and enhancing U.S. global competitiveness



A map of the United States with state boundaries outlined in thin grey lines. The state of Alaska is highlighted in a solid orange color. Additionally, a large, irregular orange-shaded area covers the western United States, including California, Oregon, Washington, and parts of Idaho, Nevada, and Arizona. Small green dots are scattered across the map, with a notable concentration in the orange-shaded western region and a few dots in Alaska. A semi-transparent grey rectangular box is overlaid on the map, containing text.

The Alaska Mariculture Cluster Coalition is 1 of 21 Build Back Better Regional Challenge (BBBRC) Phase 2 awardees selected from a pool of 60 finalists and 529 applications from across the United States and its territories. The 21 projects aim to create good-paying jobs, catalyze emerging industries, and prepare our workforce for the future bold investments needed into our nation's local economies.

The Alaska Mariculture Cluster (AMC) Project



\$49 Million EDA Funds
\$15 Million cash & in-kind match



7 Components



13 Subaward Recipients

AMC 7 Component Projects

RLF

**Governance,
Coordination
& Outreach**

**Workforce
Development**

**Research &
Development**

Marketing

Green Energy

**Equipment
& Tech**

**Spruce Root
TCFU**

**AMA
KPEDD
PWSDD
SWAMC**

**UAA
UAS
UAF**

**AFDF
ADF&G
ADNR**

SEC

AFDF

**ADEC
SEC**

Project #1 Mariculture RLF \$10 million

PARTNERS



- ACCESS TO STARTUP CAPITAL
- ACCESS TO BROADER COLLATERAL DEFINITIONS
- ACCESS TO MICROFINANCING

RLF will address lending barriers within the industry and leverage capital to support rural and underserved communities currently involved in or interested in the industry

25 % TARGETED
TOWARDS
INDIGENOUS
COMMUNITIES

25 % TARGETED
TOWARDS RURAL
COMMUNITIES

Project #2 Governance, Coordination & Outreach \$3.5 million

SCOPE OF WORK

SUBAWARD RECIPIENTS:

- AMA
- SWAMC
- KPEDD
- PWSEDD

- Create Governance Body, including membership, mission, structure, and responsibilities
- Create, implement, and evaluate outcomes of a communications and engagement plan
- Hire (AMA) regional individuals to serve as mariculture outreach coordinators to underserved populations and communities

Project #3 Workforce Development

\$10.5 million

SCOPE OF WORK:

SUBAWARD RECIPIENTS:

- UAA
- UAF
- UAS

- Create a Mariculture Workforce Development Strategy Develop
- training materials, curriculum, safety modules & other tools
- Create and support self-sustaining and inclusive education and
- training
- Update the Alaska oyster farming manual
- Create an Alaska seaweed farming manual
- Create a glidepath from training programs to specific job
- placement
- Provide opportunities for knowledge exchange with mariculture
- practitioners outside of Alaska and across disciplines

Project #4 Research & Development

\$9.5 million

SUBAWARD RECIPIENTS:

- ADF&G
- ADNR
- AFDF

SCOPE OF WORK:

- Seaweed tissue analysis for chemistry and nutritional profiles
- Product R&D for seaweed and oyster products
- Joint innovation project to accelerate development of applied technologies
- Organize and sponsor an Annual Conference
- Seaweed genetic diversity analysis
- De-risk investments in aquatic farming
- Carbon sequestration feasibility study

Project # 5 Market Development

\$1.2 million

SCOPE OF WORK

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ISSUE CONTRACT(S)

- Market research on seaweed and shellfish consumers including opportunities, consumer profiles, and products
- Market Development and Brand Plan, including communications campaign
- Implementation of Marketing Plan

Project #6 Green Energy \$.7 million

SCOPE OF WORK

SUBAWARD RECIPIENTS

- AFDF

- Develop a long-term Green Energy Plan for Alaska's Mariculture Industry
- Collect baseline data measurements of how energy is currently being used in the industry and generate an analysis with recommendations for renewable energy alternatives
- Develop "best practices" guide via energy audit procedures and standards for the industry

Project #7 Equipment & Tech

\$26 million

SUBAWARD RECIPIENTS:

- ADEC
- RFPs, Contracts
(administered by SEC)

SCOPE OF WORK

- Develop feasibility studies to assess use of existing facilities for mariculture processing and expanding facilities
- Equip existing facilities, hatcheries and nurseries with modern equipment
- Assess seaweed and shellfish demand, production, and distribution
- Develop methods for farming new species, including multiple shellfish species in varying levels of commercial viability
- Purchase lab equipment for ADEC to increase capacity to test for paralytic shellfish poisoning (PSP)

**THE AMC'S GOVERNANCE
BODY WILL ALLOW TIME
FOR CONVERSATIONS,
TRUST BUILDING AND
APPROPRIATE PLANNING
WITHIN UNDERSERVED
POPULATIONS AND
COMMUNITIES TO ENSURE
THE EQUITABLE
DISTRIBUTION OF THE
BENEFITS OF MARICULTURE
THROUGHOUT COASTAL
ALASKA.**



Thank you!

Send questions to:

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<https://www.alaskamariculturecluster.org>



SEALASKA

Grantham Foundation
for the Protection of the Environment

Alaska Longline
FISHERMEN'S ASSOCIATION

