NSF EPSCoR in Maine:

Since Maine became an EPSCoR state in 1980, over $99 million in NSF EPSCoR grant awards has been received for projects that have significantly impacted Maine's economic development, quality of life, and STEM education. Maine EPSCoR at the University of Maine administers the state's NSF EPSCoR programs. As the state's flagship research and Ph.D.-granting institution in science and engineering, UMaine plays a key leadership role in statewide EPSCoR programs.

Maine EPSCoR's last four Track-1 grants have led to the following outcomes:

$45.5M in research funding awarded through NSF EPSCoR (2003-present)

$56.1M in additional funding secured as a result of NSF EPSCoR funded research (2003-July, 2016)

40% increase in NSF award allocation since 1980

276 New Jobs created in Maine by the EPSCoR program (2003-present)

17 Patents, Products, Spinoff companies created since 2003

4 Research Centers, 3 Institutes, 9 Laboratories established since 1980

1865 THE UNIVERSITY OF MAINE

Current NSF EPSCoR Grants:

Track 1: FY 2014–19 Sustainable Ecological Aquaculture Network (SEANET) ($20M NSF)

- Four new faculty hired at UMaine and University of New England (UNE)
- Twenty-four new graduate students recruited and matriculated at UMaine and UNE
- More than 12,000 participants engaged in outreach programming for underserved and underrepresented students
- A 14-member Stakeholder Advisory group recruited from state agencies, the aquaculture industry, and nongovernmental organizations

Track 2: FY 2015–19 Future of Dams in New England ($2M NSF)

- Collaboration with New Hampshire and Rhode Island strengthens connections between scientists and decision makers about potential dam options, including maintaining existing hydropower dams, expanding hydropower capacity, or removing aging dams to restore fisheries or reduce safety risks
- Will help individuals and communities make better decisions about dams

Most Recently Completed NSF EPSCoR Grants:

Track 2: FY 2014–16 New England Sustainability Consortium (NEST) ($3M NSF)

- Developed a new, patent-pending method to detect bacterium that has contaminated New England oyster beds and sickened consumers
- Provided recommendations for water quality monitoring protocols to improve the collection of data and make beach advisory decisions more accurate and effective
- Created a Decision Support System with the Maine Department of Marine Resources to be used to improve access to water quality information and public health decision-making

Track 3: FY 2014–16 Stormwater Management Research Team (SMART) ($750K NSF)

- Engaged 60 underserved and underrepresented students in stormwater assessment activities, improving their understanding of STEM activities
- Involved teachers, local officials, engineers, University of Maine faculty, students and others in gathering and analyzing data, creating online tools, and educating others about stormwater and pollution

Maine EPSCoR infrastructure programs are focused on helping the state's academic institutions to:

- Advance scientific knowledge and understanding in areas important to Maine
- Integrate research and education to train the next generations in science, technology, engineering, and mathematics (STEM)
- Provide professional development training opportunities for the educational, non-profit, and for-profit communities
- Foster research collaborations through improved connectivity, big data capabilities, high-performance cloud computing, and visualization
- Support innovative research that leads to technology transfer and commercialization, and engage in knowledge transfer leading to improved economic conditions

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