



NSDFA R&D Projects 2016-17

January 26, 2018

Sea Farmers Conference



Research and Development Program

- 26 projects funded in 2016-17.
 - \$1, 508,296 provided for industry directed projects
- Application intake for 2017-18 complete (Final application processing by February).
- Project must align with the three funding streams:
 - Aquaculture and Resource Interactions
 - Advanced Planning for Aquaculture Development
 - Industry Growth and Innovations
 - » Hatchery production innovation to support reduced marine grow out time of salmonids
 - » Technologies to mitigate waste deposition from marine finfish farming
 - » Research or technology to contribute to securing increased shellfish seed production in Nova Scotia
 - » Incorporation of new technology or practices to increase production in NS aquaculture
- NSDFA will provide up to 50% of total project funding.
- Funding approval is based on criteria identified in funding package

2016-17 Projects by Species

- Oysters – 8** MSX research, *Vibrio parahaemolyticus* Sentinel Monitoring, Various Culture and Hatchery Methods
- Mussels – 4** RFID Based Mussel Farm Management.
- Salmonids – 4** Developing Methods for Supplemental Oxygen to Marine Salmon Farm
Developing Super-chill Control Measures (Trout)
- Seaweed – 2** Optimizing Land-based Large Scale *Chondrus crispus* Production.
- Eels – 1** Nova Eel Inc experiment with culture system effluent treatments.
- Striped Bass – 2** MacDonald² Aquaculture culture viability,
North River Fish Farm, Overwintering diet study
- Other 5** NS Seafood Sector Council, Aquaculture Labour Situational Analysis

NSDFA's participation in projects is based on the following eligibility criteria:

- I. Assistance may be provided by NSDFA up to a maximum of 50% of the total eligible project costs. The percentage of assistance provided by NSDFA will be based on the following criteria:
 - the extent of financial risk to the participant in the project
 - the degree of innovation
 - relevance to a research priority area
 - contribution to industry advancement
 - alignment with funding streams
 - co-funding arrangements
 - alignment with industry growth initiatives
 - track record of the applicant
 - delinquency with Province and other agencies
 - the degree to which the project size is appropriate to demonstrate the concept

II. Examples of eligible project costs include some or all of the following types of costs. Even within a specific project, the cost sharing ratios may vary for different types of costs, as listed above.

- lease/purchase of equipment which is a new technology that is not present in Nova Scotia and has potential to advance the industry.
- Purchase of fish, shellfish, feed and other supplies
- Direct labour costs and operational expenses
- Modifications to buildings, vessels or facilities
- Hiring of consultants or contractors
- Relate transportation or travel costs
- Maximum of 15% of project administration costs for academic or industry associations

III. Examples of ineligible project costs would include, but not be limited to the following items:

- Vehicles and forklifts
- Wharves and buildings
- Boats/Vessels
- Equipment, labour, and operational costs that do not directly support industry research, development, or innovation.

Proposal Writing/Application Submissions

Proposals should provide as much detail as possible. Be prepared to provide more information. We're going to ask for it if it isn't included.

The proposal should indicate how your project aligns with the three funding streams and how it matches the eligibility criteria.

Indicate how your project will benefit the Nova Scotia aquaculture industry.

Indicate all sources of funding, cash and in-kind contributions.

Provide a detailed itemized budget.

PROJECT TERM and TERMINATION

Many projects are approaching their expiry dates, others are multi-year projects.

Please check the Funding Agreement that you signed to verify the expiry date. This can be found in the TERM and TERMINATION section of your funding agreement.

It may be possible to amend the expiry date through the amendment process. An amended project description must be provided in advance of the expiry date to begin the amendment process.

All funding must be spent prior to the expiry date. If it appears that you are not able to complete your project before the expiry date, contact us to begin the amendment process or return the unused funds.

DELIVERABLES and MILESTONES

Each funding agreement contains a “Deliverables and Milestones” section that indicates each company’s responsibility for submission of interim reports, final reports, and financial summary of expenditures.

The Schedule “A” of the Funding Agreement describes what the funding will be spent on.

Funding provided can only be used on items and activities described in the Schedule “A”.

If funding is not spent on a portion of the project it must be repaid to the province.

Change for 2017-2018

Change to Claims-based funding format.

Emphasis will remain on Oysters, Trout, Salmon as identified as priorities in previous R&D planning sessions.

Other species considered based on scale and AANS identified R&D priorities.

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