

# **Fisheries Technology and New Opportunities Program**

## **Commercial Fishing Vessel Energy Efficiency Initiative for Newfoundland and Labrador**



**Department of Fisheries & Aquaculture**

# **C/NL Fishing Industry Renewal Strategy Background**

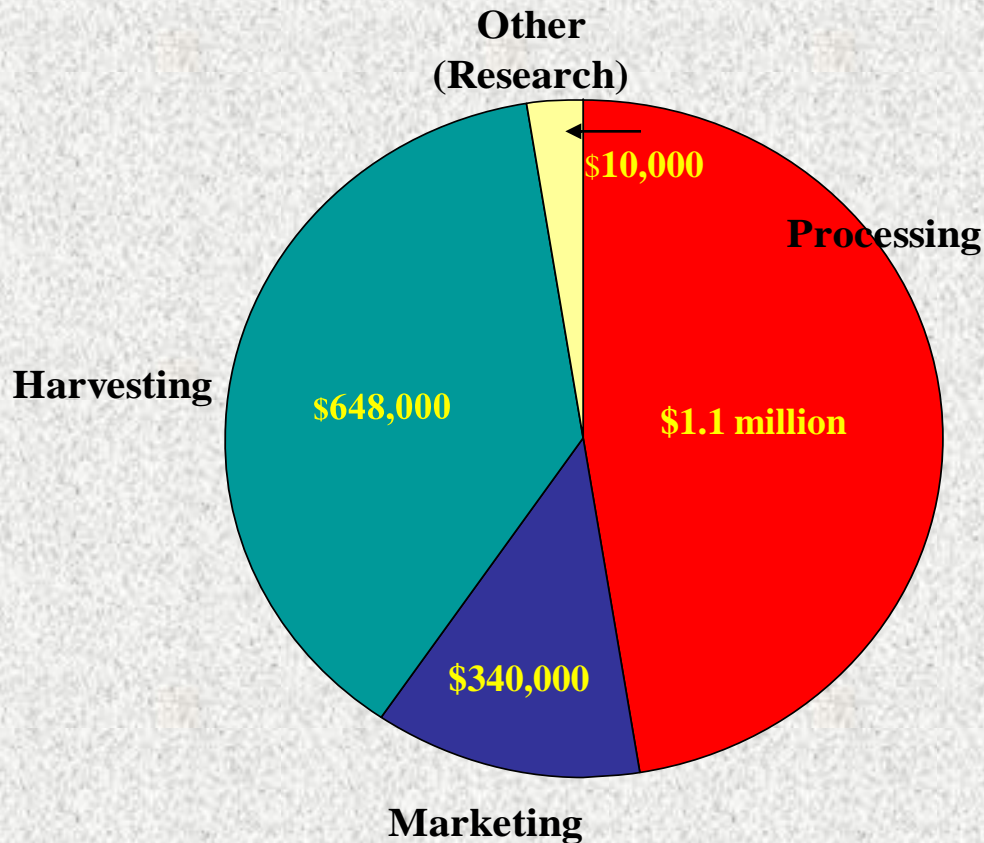
- Result of the Premier's Summit on the Fishing Industry.
- Provincial Government contributing \$15 million to the strategy: marketing, safety, workforce adjustment, processing policy renewal, and a pilot auction.
- It includes the Fisheries Technology & New Opportunities Program (FTNOP) valued at \$6 Million.

# Fisheries Technology and New Opportunities Program (FTNOP)

- **Primary Objective**: To support harvesting, processing, and marketing initiatives to increase the viability and competitiveness of the NL fishing industry.
- **Eligible Activities**: includes Recovery of discards, Alternative harvesting and processing technology, Test fisheries, Resource surveys, Gear demonstrations, Product development, Market research/development/promotion, Quality assurance initiatives, safety initiatives and **energy efficiency initiatives**.
- **To Date**: 92 applications, 52 approved, valued at \$6.8 million (DFA contribution approximately \$2 million).

# FTNOP Projects

Approved Projects (Examples):



## Processing - 26 Projects:

- Energy Efficiency Initiative
- X-Ray Technology to Detect Embedded Whelk Shell
- Processing Methods for Raw Shrimp Peeling
- Fish Meal Feasibility Study

## Harvesting - 19 Projects:

- Energy Efficiency Initiative
- Baited Cod Pot Fishery – Fogo Island
- Reduction of Halibut By-Catch – NAFO Area 4R
- Hagfish Resource Assessment

## Marketing - 6 Projects:

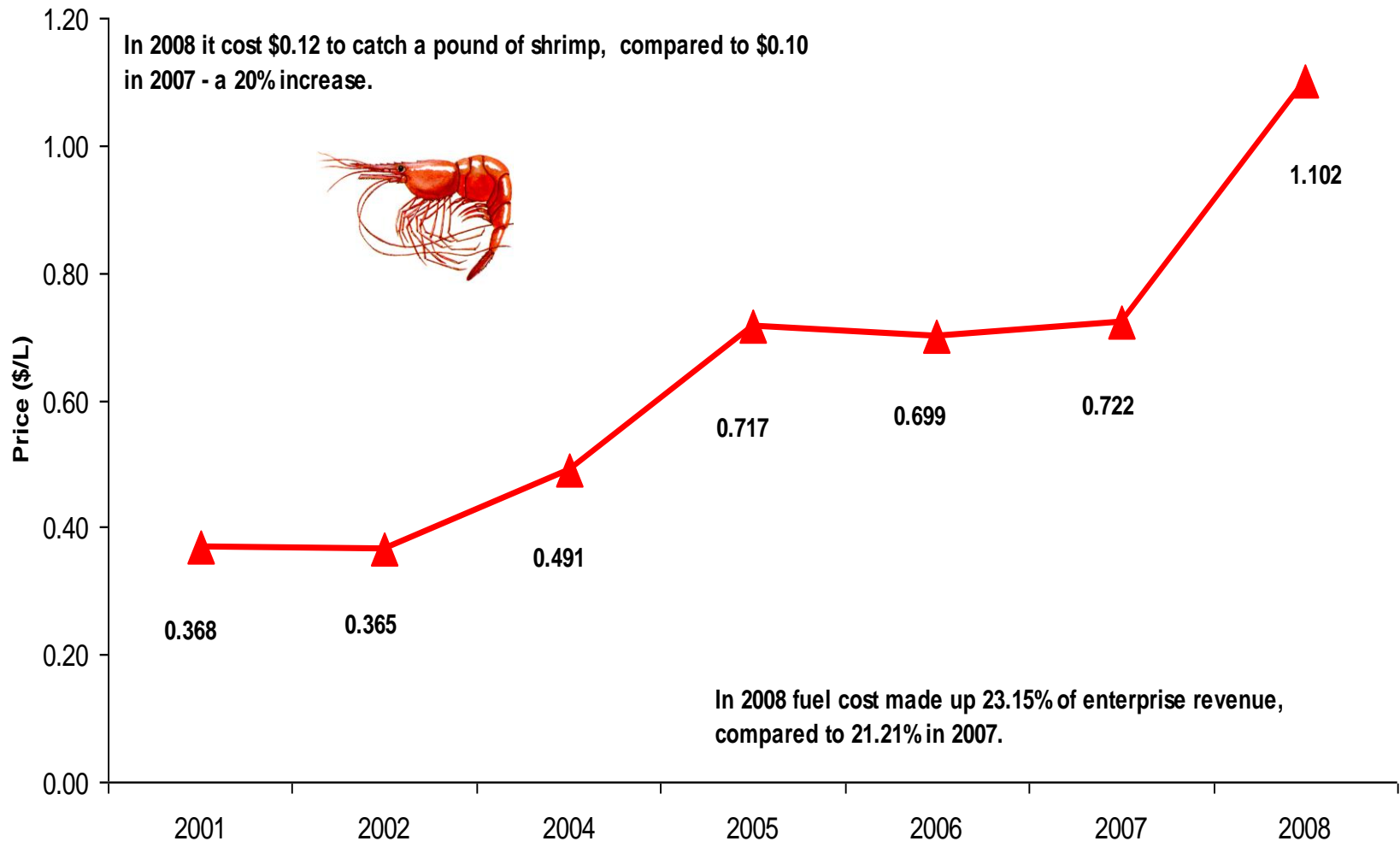
- Yellowtail Market Development – Europe & Asia
- NL Seafood Promotion
- Coldwater Shrimp Market Development – UK
- Blue Mussel Market Development – N. America & Europe

**Research (1 Project):** Seal Oil Research

# Energy Efficiency/Cost Concerns

- Increases marine diesel cost has seriously affected the viability of the harvesting sector.
- Increase in fuel costs and the decrease in shrimp prices impacts the bottom line.
- Despite recent reductions in fuel prices, it is expected to continue to rise over time.
- To be competitive, there is also a need to control costs as much as possible.

## Marine Diesel Prices, 2001 - 2008



## **Commercial Fishing Vessel Energy Efficiency Initiative for Newfoundland and Labrador**

- Driven by FFAW and DFA interest in industry viability and competitiveness.
- Advisory Committee formed: FFAW, DFA, DFO, CCFI, NRC, MUN/MI.
- Phase one: Energy Efficiency Workshops.
- Looking at efficiency activities and measures in other countries/jurisdictions; information and awareness; conversions; energy audits, research, policy changes etc.
- Looking at partnership with others to identify next steps, and funding options: public and private.

# Objectives

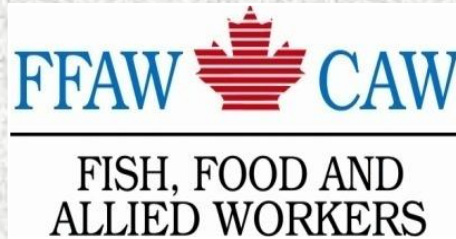
- ✓ **To assist harvesters reduce the impact of rising fuel costs on the operation of their fishing enterprises.**
- ✓ **To make the industry “greener”.**
- ✓ **To assist industry adapt to the expected impacts of climate change.**

# Workshop Expectations

A better understanding of the:

- Magnitude of the problem.
- Best energy efficiency measures (cost and effectiveness).
- Partners and roles.
- Activities in other jurisdictions.

# Partners

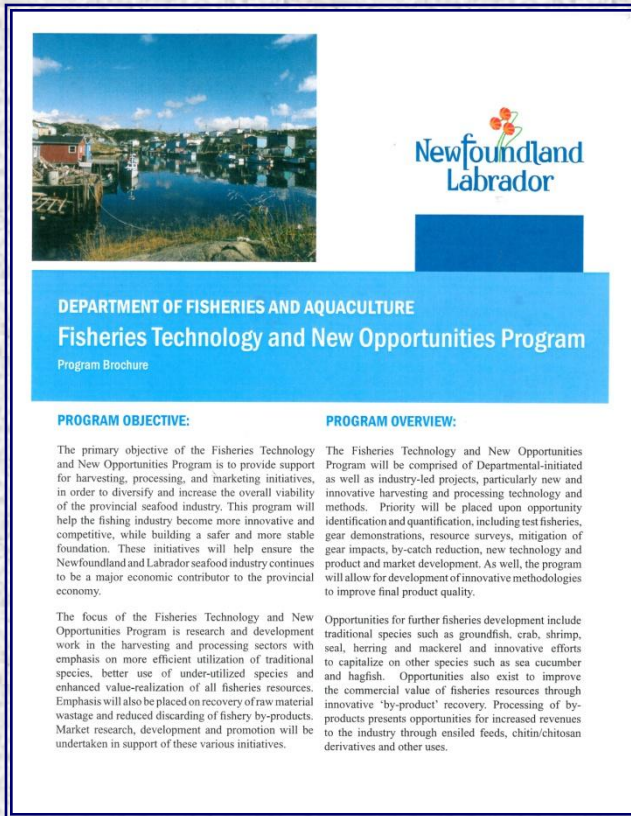


Fisheries and Oceans  
Canada

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# Fisheries Technology & New Opportunities Program

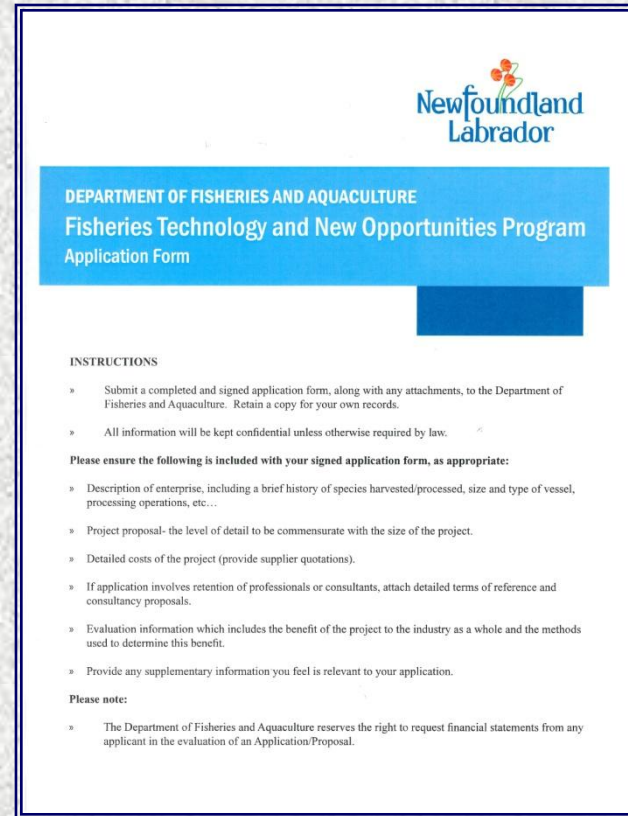


**DEPARTMENT OF FISHERIES AND AQUACULTURE**  
**Fisheries Technology and New Opportunities Program**  
 Program Brochure

**PROGRAM OBJECTIVE:**  
 The primary objective of the Fisheries Technology and New Opportunities Program is to provide support for harvesting, processing, and marketing initiatives, in order to diversify and increase the overall viability of the provincial seafood industry. This program will help the fishing industry become more innovative and competitive, while building a safer and more stable foundation. These initiatives will help ensure the Newfoundland and Labrador seafood industry continues to be a major economic contributor to the provincial economy.

**PROGRAM OVERVIEW:**  
 The Fisheries Technology and New Opportunities Program will be comprised of Departmental-initiated as well as industry-led projects, particularly new and innovative harvesting and processing technology and methods. Priority will be placed upon opportunity identification and quantification, including test fisheries, gear demonstrations, resource surveys, mitigation of gear impacts, by-catch reduction, new technology and product and market development. As well, the program will allow for development of innovative methodologies to improve final product quality.

Opportunities for further fisheries development include traditional species such as groundfish, crab, shrimp, seal, herring and mackerel and innovative efforts to capitalize on other species such as sea cucumber and hagfish. Opportunities also exist to improve the commercial value of fisheries resources through innovative 'by-product' recovery. Processing of by-products presents opportunities for increased revenues to the industry through ensiled feeds, chitin/chitosan derivatives and other uses.



**DEPARTMENT OF FISHERIES AND AQUACULTURE**  
**Fisheries Technology and New Opportunities Program**  
 Application Form

**INSTRUCTIONS**

- » Submit a completed and signed application form, along with any attachments, to the Department of Fisheries and Aquaculture. Retain a copy for your own records.
- » All information will be kept confidential unless otherwise required by law.

**Please ensure the following is included with your signed application form, as appropriate:**

- » Description of enterprise, including a brief history of species harvested/processed, size and type of vessel, processing operations, etc...
- » Project proposal- the level of detail to be commensurate with the size of the project.
- » Detailed costs of the project (provide supplier quotations).
- » If application involves retention of professionals or consultants, attach detailed terms of reference and consultancy proposals.
- » Evaluation information which includes the benefit of the project to the industry as a whole and the methods used to determine this benefit.
- » Provide any supplementary information you feel is relevant to your application.

**Please note:**

- » The Department of Fisheries and Aquaculture reserves the right to request financial statements from any applicant in the evaluation of an Application/Proposal.

<http://www.fishaq.gov.nl.ca>