

# OCEANS PROTECTION PLAN

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## Oceans Protection Plan Overview



Government  
of Canada

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du Canada

Canada

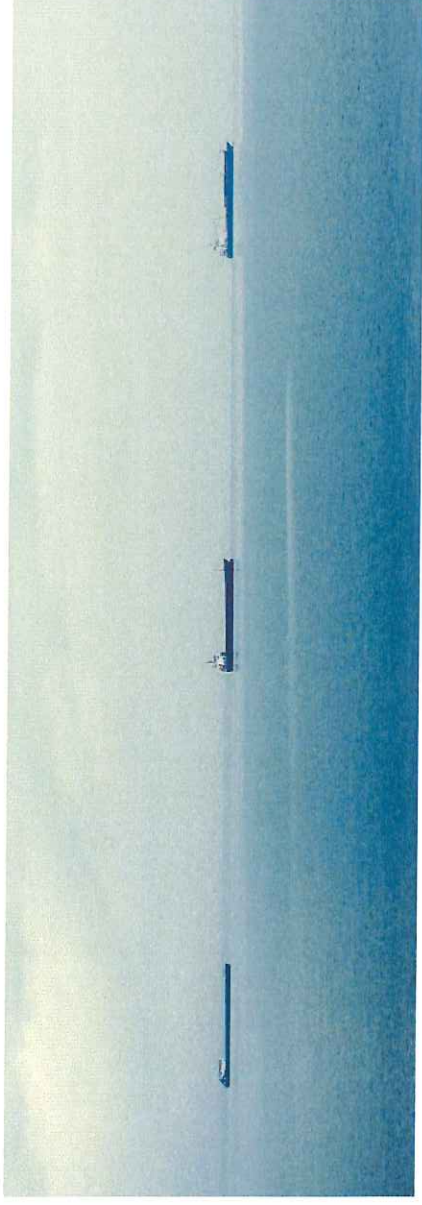
# Oceans Protection Plan

- ❖ In November 2016, the Prime Minister announced the \$1.5 billion, five-year national Oceans Protection Plan (OPP)
- ❖ At its core, the plan brings together a large number of diverse initiatives designed to enhance the protection of Canada's oceans and waterways, increase safety and improve the marine environment.
- ❖ The outcomes of OPP will benefit all Canadians, not just on the coasts, but across the country and has implications for all of Canada's regions.



# Objectives

- ❖ Oceans Protection Plan reflects the concept that a strong economy and a clean environment must go hand-in-hand.
- ❖ The Oceans Protection Plan includes:
  - Significant investments in science to better understand and protect our marine environment;
  - Use of world-leading technologies and systems to enhance spill prevention and environmental response abilities and create a state-of-the-art marine safety regime.



# Multiple Players

- ❖ The Federal Government is working closely with Provinces, Territories, industry, environmental organizations, coastal communities and the public.
- ❖ The plan must also bolster public confidence by advancing reconciliation with Indigenous peoples through genuine partnerships.
- ❖ Federal partners include Transport Canada, Natural Resources Canada, Environment and Climate Change Canada, and Indigenous and Northern Affairs Canada.
- ❖ Cooperation between federal partners is a key factor for successful implementation of OPP

## Four Pillars: Priority Areas

1. Creating a state-of-the-art marine safety system that protects Canada's waters, including preventive and response measures
2. Restoring and protecting marine ecosystems and habitats, using new tools and research, and addressing abandoned boats and wrecks
3. Strengthening partnerships and co-management practices with Indigenous communities, and building local emergency response capacity
4. Investing in oil spill cleanup research and ways to make evidence-based decisions, even in emergencies, and ensuring confidence in Canada's marine safety system



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### OCEANS PROTECTION PLAN

Taking action to keep waters **safe** and **clean** on our **WEST COAST**



Training Indigenous peoples and coastal communities for search and rescue, spill response, and incident command

Increasing towing capacity for faster response



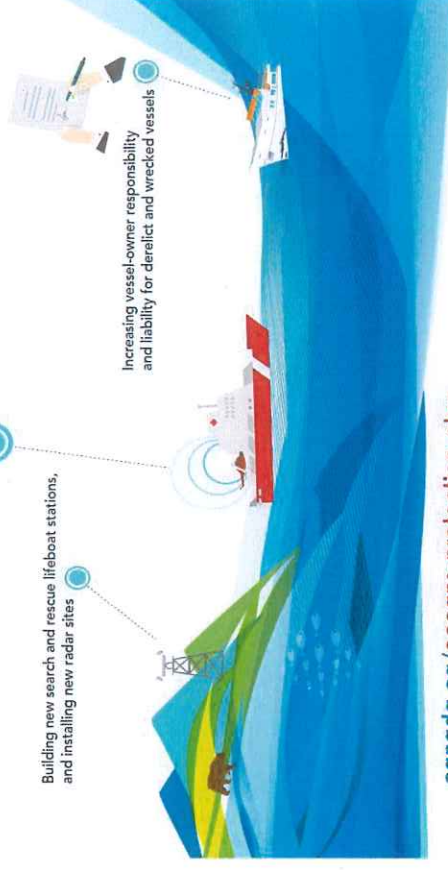
Tracking and researching marine mammals in high-traffic areas and sharing data with mariners



Creating a collaborative oil spill response plan for British Columbia's north coast

Building new search and rescue lifeboat stations, and installing new radar sites

Increasing vessel-owner responsibility and liability for derelict and wrecked vessels



[canada.ca/oceans-protection-plan](http://canada.ca/oceans-protection-plan)

Canada

# Key OPP Investments – National



## Canadian Coast Guard Infrastructure

- Six new CCG search and rescue stations
- Nine new RADAR sites
- Improvements to St John's and St Anthony's CCG Stations



## CCG Training and Staffing

- Three training cadres for increased Marine Communications and Traffic Service Centres
- Increased CCG staffing to meet commitments to 24/7 capacity



## CCG Equipment

- Towing kits added to Coast Guard assets
- Six new SAR lifeboats
- Inshore SAR boat for Arctic

# Key OPP Investments – National



## Action on Derelict Vessels

- Regulations to create polluter pay approach to clean up future abandoned vessels
- DFO and Transport Canada funding to support removal of derelict vessels.



## Safer Navigation

- Hydrographic mapping of high-profile ports and key waterways
- Expansion of CCG Arctic season
- Creating hydrographic data to fill gaps in Arctic charting



## Arctic Safety

- Investments in safety equipment and marine infrastructure in the Arctic
- Development of Northern Marine Corridor and Arctic shipping regime

# Key OPP Investments – National



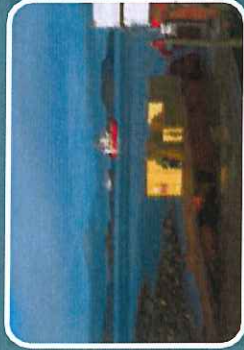
## Indigenous Engagement

- Support for Indigenous and Coastal Communities to play leading and active roles in initiatives such as proactive vessel management
- Creation of partnership agreements to create new job opportunities



## Indigenous Training

- Funding to support CCG Emergency Response training programs
- Training to support environmental monitoring



## Indigenous Leadership

- Enhanced Arctic CCG Auxiliary
- New SAR capacity and centres in Arctic providing job and training opportunities



# Key OPP Investments – National



## Preservation of Marine Ecosystems

- Collection of baseline data and cumulative effects assessments
- Community based Coastal Restoration Fund



## Protecting Marine Mammals

- Implementation of real-time detection measures
- Review existing science to aid in recovery of key species
- Research on effects of noise on marine mammals



## Stronger evidence based decision making

- Investments into the Centre for Offshore Oil, Gas and Energy Research
- Partnership funding to access oil spill response expertise

# Coast Guard Projects with Significant Procurement

## TOW CAPACITY

- **Leasing of two emergency towing vessels** to assist disabled vessels along the B.C. coast.
  - *RFP Feb. 5 – April 13, 2018*
- **A total of 25 tow kits** will be installed on Coast Guard vessels across Canada by 2022.
  - *RFP Jan. 16 – Mar. 12, 2018*

## MODERNIZING ER EQUIPMENT

- **Purchasing and deployment of 285 assets** for the containment, recovery and storage of oil and other contaminants.
  - *RFP Curtain Boom – Dec. 5, 2017 – Feb. 1, 2018*
  - *RFP Sweep System – Dec. 15, 2017 – Jan. 31, 2018*
  - *RFP Portable Skimmers – Dec. 15, 2017 – Jan. 31, 2018*
  - *RFP Fence Boom Feb. 2 – Apr. 1, 2018*

## NEW RADARS AND OPNET

- **Nine new RADARs** will be constructed to address coverage gaps in existing Vessel Traffic Service zones and improve the vessel traffic picture.
  - *RFP for radar purchase Dec. 1, 2017 – Feb. 12, 2018*
- **Refurbishment of the Operational Network** to replace antiquated technology and unreliable land line connections
  - *80 lines have been modernized, 72 of those have been cutover, and 67 old circuits have been turned down permanently.*

## NEW STATIONS AND LIFEBOATS

- Coast Guard will establish **seven new Search and Rescue Lifeboat Stations** including in Victoria, Hartley Bay, Port Renfrew and Nootka, BC, as well as in Old Perlican and Twillingate areas, and refurbishment of St-Anthony, NL.
  - *RFP for St. Anthony Jan. 1 – Feb. 13, 2018*

# OPP Implementation and Procurement Requirements

Coast Guard has been working closely with industry to advance OPP projects.

For example:

- **Emergency Towing Assessment**
  - Marine Industry in BC has been working with Coast Guard and the Province
- **Modernizing Coast Guard's Environmental Emergency Response Equipment**
  - Industry engagement such as various 1 on 1 industry sessions
- **Leasing Towing Vessels**
  - Industry day with potential bidders took place in February 2018

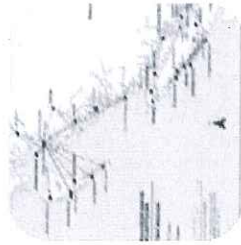
**The success of OPP implementation depends on positive relationships with partners and stakeholders, including Industry, First Nations, the Province, and other departments such as Public Services and Procurement Canada .**

# OPP Annexes

- The following are more specific breakdowns of OPP initiatives.

# Key OPP Initiatives: National

## Improve marine traffic information



**Real time marine traffic information for indigenous and coastal communities**  
Provide communities with more comprehensive, accurate and timely marine traffic information.



### **National Vessel Tracking system**

Improve Operational communications Networks (OpNet) and eight new radar sites (six in BC, two on East Coast) operational by 2021.

# Key OPP Initiatives: National

Enhance risk-based planning and decision making



## Regional Response Planning

Implement Regional Response Plans (RRPs) on West Coast to improve oil spill preparedness and collect local traditional knowledge and information.



## Risk-based Search and Rescue analysis

National implementation of a risk-based analysis of maritime search and rescue delivery (RAMSARD)

# Key OPP Initiatives: National

## Greater oversight of incident management



Increased 24/7 emergency response capacity to effectively manage marine incidents and reopening Marine Rescue Centre St. John's, Nfld.



Training and staffing Marine Communications and Traffic Service centres across Canada and buying Mobile Command Posts.



Enhance Transport Canada's Situation Centre and Command Systems and Environment and Climate Change Canada's response capacity for during emergencies.

# Key OPP Initiatives: National

## Enhance federal on-water capacity



Increase both response and on-water capacity and train staff, strategically locate assets.



Establish primary response teams for on-water environmental response; recruit students and Indigenous groups; expand training programs; and clarify CCG authorities for ship source pollutants.



New logistics depot near Port Hardy (BC), seven new Search and Rescue stations; refurbished St Anthony's SAR Station NFLD.



Six new SAR lifeboats and Inshore rescue boat in the Arctic



# Key OPP Initiatives: National

**Enhance federal monitoring and coordination**



**Increase in emergency tow capacity**

Improve towing capacity, install tow packages on CCG vessels,  
and lease two towing vessels

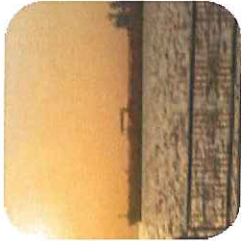


**Increase CCG presence in the Arctic**

Extend the icebreaking season by up to 49 days in  
northern waters

# Key OPP Initiatives: National

## Seamless spill response system



A framework to respond to hazardous and noxious substances from ships and making funds available for response and clean up.



Legislation to allow the use of alternative response measures, or non-mechanical spill response technologies such as dispersants, and to assess their effectiveness by 2022.

# Key OPP Initiatives: National

## Science research



Fund the Centre for Offshore Oil and Gas and Energy Research to assess how oil products behave in water and drift prediction; and support multi-partner research on oil spill response technology and Oceans Network Canada.



Assess the impacts of shipping on the environment, including underwater noise from ships on marine mammals

# Key OPP Initiatives: National

## Maritime safety and modern charting



Modern hydrographic and charting by the Canadian Hydrographic Service in key areas including 23 high priority commercial ports and high traffic waterways across Canada; and create hydrographic data in the Arctic



Invest in safety equipment and marine infrastructure in northern communities to enhance safety of sea lift operations in Arctic and northern communities

# Key OPP Initiatives: National

## Vessels of Concern



Introduce new legislation and a strategy to deal with vessels of concern, improve owner identification and create remediation funds



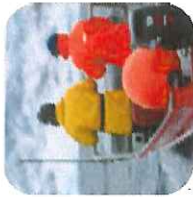
Support the removal of small legacy vessels in Canadian waters including those located at DFO-administered small craft harbours.

# Key OPP Initiatives: National

## Conserving and restoring marine ecosystems



Coastal Restoration Fund will help communities and local groups restore coastal zones and at-risk ecosystems



Increase the capacity for DFO's Fishery officers to survey and enforce marine mammal regulations and marine protected areas



Create a baseline and cumulative impacts program in six coastal areas in Canada and examine the effects of increased shipping in potential large development areas

# Key OPP Initiatives: National

## Indigenous partnerships in marine safety



Facilitate indigenous engagement north and south of 60 and build meaningful partnerships with Indigenous groups in marine safety



Increase indigenous and community capacity in the design and delivery of environmental protection measures including creating an Indigenous Auxiliary in BC, expanding the Arctic CCG Auxiliary, and providing Indigenous Incident Command training

# DFO CCG and OPP

Together DFO and CCG have received the largest portion of the OPP \$1.5B investment in materials, programs, infrastructure and staffing.



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

## **Fisheries and Oceans Canada plays a central role:**

- in the stewardship and protection of Canada's fisheries;
- in contributing to a clean and healthy environment and sustainable aquatic ecosystems through habitat protection, oceans management and scientific research.



## **The Canadian Coast Guard is responsible for:**

- The safety, security and accessibility of Canada's waterways;
- ensuring responsible response to all ship source and unknown pollutions spills in Canadian waters.



# ERE Requirements in support of OPP

## Current ERE Requirements

### Four Season Buoy

- ❖ RFP Posted: April 4, 2018

### Fence Boom:

- ❖ RFP closing date April 13, 2018

### Boom-High Speed Sweep System (HSS):

- ❖ Bid Evaluation ongoing
- ❖ Contract anticipated to be awarded: April 2018

### Self Propelled Advancing Skimmer (SPAS):

- ❖ Proc Strategy has been formulated (collaborative process + cure period)
- ❖ Analysis to determine the details is ongoing.

### Boom Trailer:

- ❖ Procurement Strategy developed
- ❖ Estimated RFP Posting date late April – May 2018

### Vessels of Concern (VOCs) (abandoned, wrecked or derelict vessels):

- ❖ VOC Industry Engagement (working group for strategy development) - Completed January 2018
- ❖ VOC Risk Methodology RFP anticipated to be posted May 2018

### Industry Engagement:

- ❖ Strategy development in progress - 3 sessions to take place in various locations (East/West Coasts)



# Upcoming Requirements in Support of OPP (FY 18/19)

- ❖ Floating Tank Package – Towable Hard-Shell Barge
  - ❖ Floating Tank Package – Towable Fabric Bladder
  - ❖ Stationary Tank Package – Open-Top, Frame-Reinforced
  - ❖ Boom - Curtain - River Boom 12"
  - ❖ Boom - Curtain Inflatable - Inflatable Boom
  - ❖ Boom High Speed Sweep (Medium)
  - ❖ Skimmer - Brush, Disc, Drum - Multi Skimmer - Package – Medium
  - ❖ Aerostat
  - ❖ Trailer - Equipment - 18' Response Trailer
  - ❖ Portable Lighting
  - ❖ Software (CCG College - simulator module) Kongsberg
  - ❖ Generator - Portable - Portable Genset - 2500W
  - ❖ Generator - Portable - Portable Genset - 4000W
  - ❖ Buildings, Prefabricated, Portable or Relocatable
- Mobile Incident Command Equipment:**
- ❖ MICP - Cat 1a (Ambulance Style)
  - ❖ MICP - Cat 1b (Trailer & Tow Vehicle)
  - ❖ MICP - Cat 2 (Trailer)
  - ❖ MICP - Cat III Modular
  - ❖ Safety - Gas Detector - Vapour Monitor - Multi (5) Gas
  - ❖ PPE (Immersion Suit, Personal PPE Kit, Inflatable PFD)
  - ❖ Trailer - Equipment - Personnel and Equipment Decontamination Trailer

