

PROJECT SCOPE

The Newest Marine Repair & Maintenance Facility on Canada's West Coast

CAPACITY

- 3 sections each 100m long
- Vessels up to 15,000 tonnes
- Capable of dry-docking largest BC Ferries vessels
- Built & operated by CME
 - National leader in ship contracting & repair
 - Uses existing Port Alberni waterfront facility



PORT ALBERNI LOCATION

- One of the finest deep sea ports in North America
 - Barrier-free, ice-free year round
- Terminus of the Alberni Inlet on Vancouver Island
- On water lots adjoining CME existing properties
- Ample local supply of skilled labour



TIMELINES

- 4.5 years (1.5 per section)
- Built as an 'expandable' facility

PROJECT COSTS & MARKETS

\$68.8M Total
Includes \$46.8M construction labour

85% Spent in Canada
Equivalent to \$58.9M



Section 1 Costs
\$30.8M Total
\$27.8M Spent in Canada

Section 2 Costs
\$19M Total
\$16M Spent in Canada

Section 3 Costs
\$19M Total
\$16M Spent in Canada

Customer Groups (2018)	Vessels
BC Ferries	36
*Views current market as under-serviced & spends \$20-30M yearly on dry-docking	
Canadian Navy	14
Canadian Coast Guard	9
Local Fishing Fleet	5
Tourism / Other Ferries	5
Oil Spill Response Fleet	3
US Large Barges & Tugs	24
US Fishing Fleet	12
Other (LNG Projects, Cruise Ships, etc.)	Additional
Total	108+

PROJECT SUMMARY

The training and employment opportunities of the proposed new floating dry dock are being primarily targeted towards those with the greatest need for skilled, well-paying jobs: Young indigenous men and women.

PORT ALBERNI, BC

Floating Dry Dock

Impact & Benefits Assessment

Project Markets

- Need is identified
- Market is diverse
- Market is sizeable
- Opportunity for future expansion

Community & Environmental Benefits

- Quality, permanent employment
- Increase of women in the industry:
 - construction & manufacturing
- Employment for young people
- Youth retention in Port Alberni
- Employment in an affordable city:
 - higher quality of life
- Local unemployment reduction
- Services help vessels operate more environmentally sustainably:
 - Prevention of oil spills
 - Infrastructure provided for vessel decommissioning

Economic Impacts

- Significant contribution to GDP
- Significant labour income
- Significant government
- "Built-in-Canada" initiative
- Economic renewal in Port Alberni
- Develops location as Gateway to Northern Arctic Development & Centre for Marine Excellence

Labour Force Impacts

- Local availability
- Opportunity for expansion
- Apprenticeship program
- Employment for Nuuchahnulth people
- Employment for women

Project Partners

- Industry leadership
- Knowledgeable
- Collaborative approach
- Green Marine Certified

OCTOBER 2020

Port Alberni Port Authority
Canadian Maritime Engineering Ltd.
Port Alberni Floating Drydock Committee

LABOUR FORCE IMPACTS

Results for Port Alberni

SOURCING LOCALLY

It is anticipated that the floating dry dock will source **80% employment from British Columbia** and **20% from Canada**, with a majority of the labour sourced from Port Alberni and nearby regions.

Community Health, Safety & Quality of Life

The training and employment opportunities of the proposed new floating dry dock are being primarily targeted towards those with the greatest need for skilled, well-paying jobs: Young indigenous men and women.



Port Alberni Labour Force

- High proportion of skilled tradespeople
 - Manufacturing is the 3rd largest employer (in comparison with 7th in BC)
- 17% of the population is indigenous
 - Representing over 3x the provincial average (6%)
 - 10,000 Nuu-chah-nulth people
- Strong entrepreneurial interest by women

Candidates for Employment

- Workers transitioning from dry dock construction program
- Dry dock tradespeople
 - Pending demand
 - E.g. Millwright, Equipment Repair
- New graduates of locally-based trades programs
 - Nuu-chah-nulth youth & women

ECONOMIC, COMMUNITY & ENVIRONMENTAL IMPACTS

A Gateway to Northern Development and Centre for Marine Excellence unmatched on the Pacific coast north of Seattle.



\$1.2B
Total Output

\$605M
GDP

5,665
Employment, person-years

\$374M
Labour income

\$36M
Government Revenue

Figures based on projections for 30 years of operations

Environmental Stewardship via Maintenance, Repair & Refit Services

Enables vessels to operate in a cleaner, more environmentally sustainable manner; contributes to prevention of oil spills and provides of necessary infrastructure for environmentally-sensitive vessel decommissioning.

IMPACTS DURING CONSTRUCTION (\$'000, 2020 DOLLARS)

	Output	GDP	Employment	Labour Income	Government Revenue
Direct Impacts in BC					
Port Alberni	\$47,800	\$37,400	288	\$37,400	
Rest of Vancouver Island	\$7,500	\$5,900	45	\$5,900	
Rest of BC	\$4,500	\$3,500	27	\$3,500	
Total	\$59,800	46,800	360	\$46,800	\$5,300
Indirect/Induced Impacts in BC					
Vancouver Island	\$8,400	\$4,400	38	\$3,000	
Rest of BC	\$14,400	\$8,900	73	\$6,000	
Total	\$22,700	13,200	112	\$9,000	\$2,300
Total Impacts - BC	\$82,500	\$60,000	471	\$56,000	\$7,600
Total Impacts - Rest of Canada	\$13,000	\$6,500	55	\$6,700	\$1,000
Total Impacts - Canada	\$95,500	\$66,500	527	\$62,700	\$8,600

IMPACTS DURING OPERATIONS (\$'000, 2020 Dollars)

	Output	GDP	Employment (person-yrs)	Labour Income	Government Revenue
First-Year Impacts					
Direct Impacts in BC					
Port Alberni	\$12,000	\$5,916	55	\$4,044	\$60
Rest of Van. Island	\$1,875	\$924	9	\$632	\$9
Rest of BC	\$1,125	\$555	5	\$379	\$6
Total	\$15,000	\$7,395	68	\$5,055	\$75
Indirect/Induced Impacts in BC					
Indirect	\$5,085	\$2,610	27	\$1,695	\$135
Induced	\$3,675	\$2,370	20	\$945	\$480
Total	\$8,760	\$4,980	47	\$2,640	\$615
Total Impacts in Canada					
BC	\$23,760	\$12,375	116	\$7,695	\$690
Rest of Canada	\$5,145	\$2,535	24	\$1,515	\$195
Total	\$28,905	\$14,910	140	\$9,210	\$885
Annual impacts in Year 30	\$51,331	\$26,478	248	\$16,356	\$1,572
Total Impacts over 30yrs	\$1.2 b.	\$605 m.	5,665	\$374 m.	\$36 m.

Welding Apprenticeship Program

A 5-month program developed by CME, North Island College and the Nuu-chah-nulth Tribal Council. Designed to provide young, indigenous men and women from Port Alberni with apprenticeships at CME.

Improves the health, safety and quality of life for a demographic with the highest need, providing a means for local indigenous people to have gainful employment in an affordable city while remaining connected to family and culture. By creating local jobs and retaining local youth, the project contributes to community resilience and the growth of a sustainable local economy in Port Alberni

100% Local indigenous students **25%** Women students **55** Apprentices in 3 years