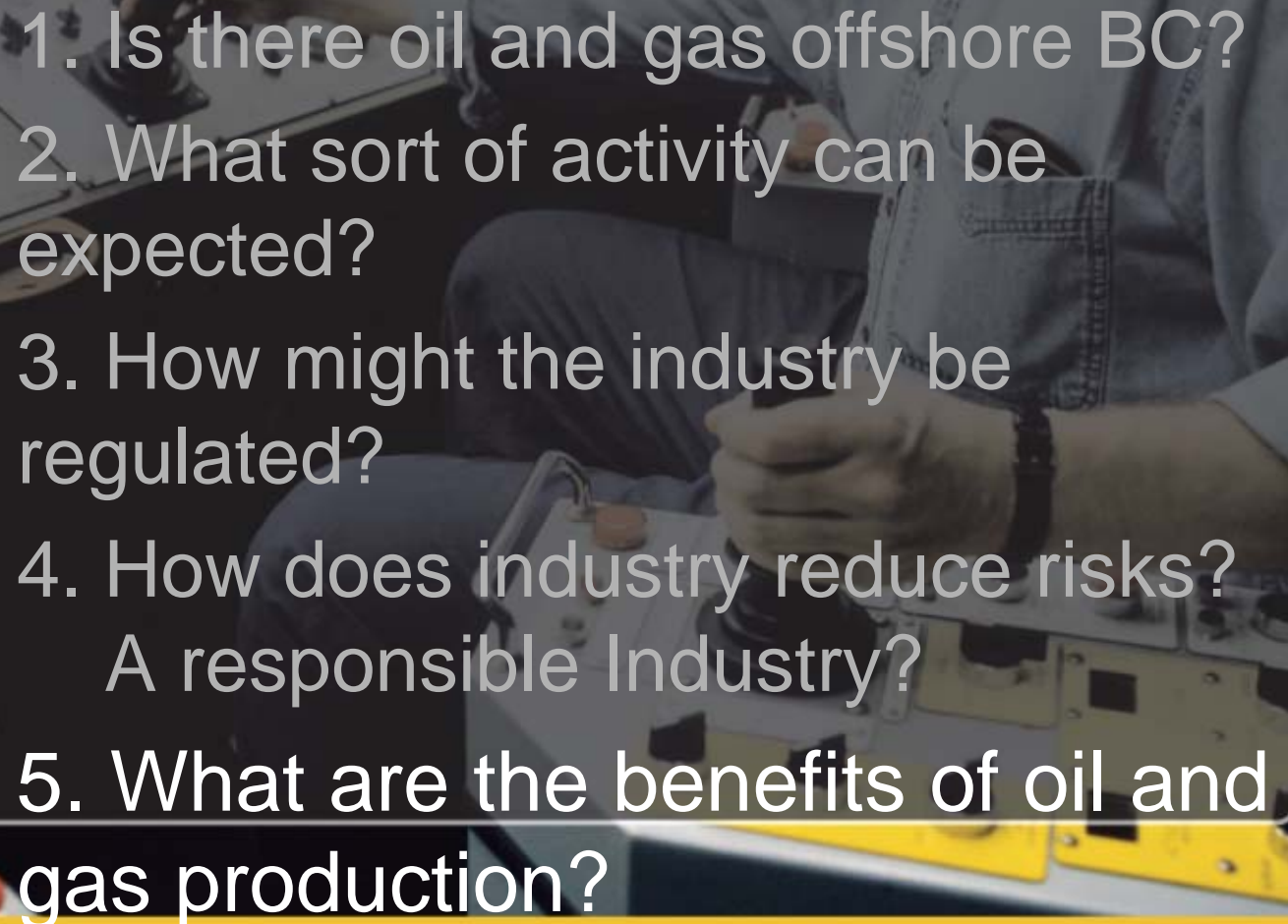




# BENEFITS TO THE WEST COAST FROM OFFSHORE INDUSTRY

- 
- A person wearing a white lab coat is seated at a control panel. The panel features several red buttons, a blue panel with black knobs, and various other controls. The person's hands are visible, interacting with the equipment. The background is a solid yellow color.
1. Is there oil and gas offshore BC?
  2. What sort of activity can be expected?
  3. How might the industry be regulated?
  4. How does industry reduce risks?  
A responsible Industry?
  5. What are the benefits of oil and gas production?

# BENEFITS TO THE WEST COAST FROM OFFSHORE INDUSTRY

British Columbia is a wonderful place to work, live, raise a family - and fulfill your dreams.



**There is fundamental change, but this offers a rare opportunity to diversify coastal communities.**

# History of Success



FORT ST. JOHN

## Northeastern B.C.

### Ft. St. John - *"The Energetic City"*

- Service center for the Oil and Gas industry
- Boasts a multi-billion dollar oil and gas industry
- "We can do anything attitude"
- Latest in community facilities
- Job and business opportunities
- Magnet for investment



# Benefits to BC



## Benefits from the Oil and Gas Industry

Did you know that BC set a record in 2001 with oil and gas revenues exceeding Forestry for the first time?

- \$3 billion Industry Investment
- \$1.9 billion direct revenues to BC
- 32,000 BC jobs
- New Supply of Oil & Gas for Consumers

# Newfoundland and Labrador

## Benefits from the Oil and Gas Industry

- Provincial GDP is 14% higher
- Personal Incomes 6% higher
- Unemployment 2% lower
- 3,000 directly at work in the industry on any day
- 9,000 – 12,000 people employed in total
- \$150 - 200 million in revenues used for
  - schools, post-secondary colleges, hospitals
  - roads
  - ferries and ship building
  - airports
  - communication/navigation
  - labs and medical services
  - world class training facilities
  - shipping terminals
  - helicopter terminal
  - fabrication facilities
  - offshore supply bases



# Norway



- Population close to BC
- Beginning of 20th century Norway was one of the poorest country in Western Europe before oil and gas exploration
- Since the discovery of oil
  - ✓ the economy has boomed
  - ✓ world's second highest per capita GDP
  - ✓ tops the list of best places to live in the world
  - ✓ employs >60,000 direct and indirect jobs to Norwegians



# People and Community

- FOR THE PEOPLE:
- Jobs, jobs, jobs
  - Are the jobs cyclical?
  - What kind of jobs will there be?
  - What kind of training do I need?
  - Will an outsider get employment over me?





# Are the jobs cyclical?

*Yes, the oil and gas industry has high and low cycles of activity and jobs.  
But, there is a continual increase in demand for petroleum products worldwide*

What jobs will there be? What kind of training?

*There are many different types of jobs with different requirements.  
Basically there are 8 levels*

1. *Entry level jobs*
2. *Skilled jobs*
3. *Apprenticeship jobs*
4. *Technical jobs*
5. *Office jobs*
6. *Semi Professional jobs*
7. *Professional jobs*
8. *Goods and Services*



# 1. Entry Level Jobs

- These jobs require little or no previous experience.
- Examples:
  - Supply vessel worker
  - Offshore Worker
  - Cooks' Helper
  - Seismic Driller's Helper
  - Electrician's Helper
  - Janitor for camps
  - Mechanic's Helper
  - Survey Helper
  - Equipment Operator



## 2. Skilled Labor

- These jobs require that you be have some previous experience.



- Examples:
  - Derrick Hand
  - Power Tong Operator
  - Motor Hand
  - Welder
  - Diver
  - Gas Utility Operator
  - Compressor Operator
  - Control Room Operator

# 3. Apprenticeship Trades

- These jobs require that you be a certified trades person. Apprenticeship is usually a four year training program where you take short courses and get paid to train on the job.
- Examples:
  - Pipefitter
  - Cook
  - Mechanic
  - Welder
  - Electronics
  - Plumber
  - Carpenter
  - Pipe Fitter
  - Electrician



## 4. Office Clerk.

- For these jobs at least a grade 12 education and some training and experience.
- Examples:
  - Accounts Clerk
  - Secretary
  - Purchasing Agent
  - Materials Clerk



# 5. Technical Jobs.

- These jobs need a technical college certificate or diploma. Generally, these are one or two year programs.

- Examples:
  - Seismic Recording Technician
  - Survey Technician
  - Petroleum Technician
  - Mechanical Technician
  - Geophysical Technician
  - Instrument Technician



# 6. Semi Professional Jobs.

- These jobs usually require a college diploma although it is possible to work your way up to these positions through work experience and on the job training.

- Examples:

- Warehouse Manager
- Catering Manager
- Safety Officer
- Environmental Monitor
- Drilling Foreman



# 7. Professional Jobs.

- These jobs require a University degree.

- Examples:

- Geologist
- Engineer
- Research Analyst
- IT systems
- Land Surveyor
- Accountant
- Nurse
- Land Agent
- General Manager
- Human Resources





# 8. Goods and Services

- You can create your own opportunities by providing goods and services to the industry.

- Examples:
  - Expediting
  - Security
  - Equipment Rental
  - Cooking/Catering
  - Pilot/Transportation
  - Fuel Supply and Haul
  - Trucking
  - Supply of Explosives/Chemicals
  - Geophysical Surveying
  - Camp Management and Construction
  - Remote Communications
  - Supplying Materials
  - Retailer



# Will an Outsider get employment over me?

*Government and Community leaders will ensure employment content is primarily local.*

- Local content of the three biggest offshore projects in Eastern Canada are:
  - Hibernia Project: 88% of workers are local
  - Terra Nova Project: 85% of workers are local
  - White Rose Project: 62% of workers are local
- Management positions in all three projects >60% from Newfoundland and Labrador
- Norway employs 93 - 97 % local people.

# For the Community

- Reside in your community or opportunity to work internationally
- Financial stability (all season industry)
- Enhanced quality of life (excitement with welcoming new people to the community)
- Improved community amenities
- Opportunities to gain international recognition as centers of excellence in research, education and business

# For the Community continued...

CNRL is northeastern BC support local community based initiatives

- have community education and employment initiatives
- Built Future Scholarship Programs
- Focus on local contractor opportunities and development

- Chevron Canada sponsors an “Open Minds” program where they operate. This program is aimed at young people to teach them about science, animals and habitats.
- Encana Corporation establishes a Community Investment Fund in communities where they operate. This fund is used to deliver additional benefits to the communities .

# YOUTH

- Employment opportunities closer to home
- Employment opportunities in other parts of the world
- More career choices
- Choice of different levels of training and education
- Improved social atmosphere
- Learn from skilled industry personnel

*A Future For  
Our Youth!*



# INFRASTRUCTURE

- Infrastructure? Physical structures that form the foundation of our communities. Includes wastewater and water works, electric power, communication, transit and transportation facilities, hospitals, schools, libraries, community centers.....



## Federally:

- In 2001, \$15.6 billion in royalties.

### Used for:

- the nation's infrastructure
  - health care
  - education (primary schools and post-secondary schools)
  - national security

## British Columbia:

- In 2001, \$1.9 billion in royalties.

### Used for:

- health care
- schools
- roads throughout BC
- community improvements

# BUSINESS

- Business expansion(s) and diversification
- Attract skilled labor
- Employee retention
- Competitive economic climate for investment
- Technology transfer; introduction of new technologies

# GOVERNMENT

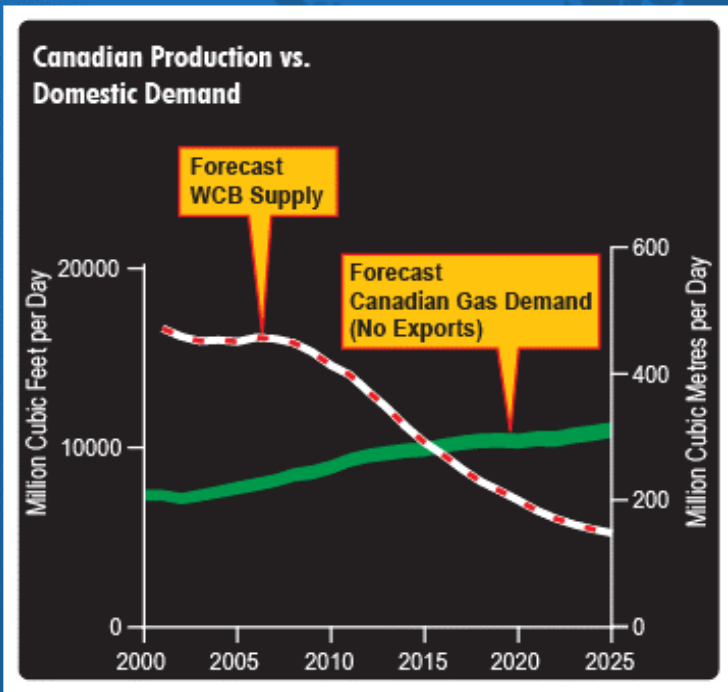
- Involvement by all levels
  - *Local, First Nations, Provincial, Federal*
- Negotiate Oil and Gas Royalties
- Establish Heritage Trust Fund (planning for the future with royalty \$)
  - Norway since 1996 has a \$140 billion Heritage Fund from oil and gas revenues
  - Alberta has \$12 billion Heritage Fund from oil and gas revenues

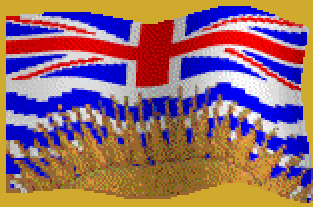




# FUTURE RESOURCE

- Present North American reserves are declining.
- Western Canadian Sedimentary (70% of Canada's supply) is into a period of "long-term decline"
- New Supplies need to be found!

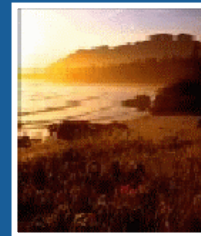




# WORKING TOGETHER

*We all need to work together:*

Residents, Community, Private Sectors and Government to achieve the economic benefits to the West Coast from an Offshore Industry



# What should you do next?

- Become informed
- Participate in the Priddle process
- Letters to media
- Letters to MP and MLA
- Use POEA's resources
- Participate in community discussions

**Make up your own mind**



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