Canadian Arctic Development – Industry Perspective

Paul Barnes
US-Canada 2017 Northern Oil and Gas Research Forum
October 11, 2017
Canada’s Arctic Offshore – Current Context

- **US-Canada Joint Leaders Statement (Dec/2016)**
  - US – Indefinite ban on future exploration licences
  - Canada – 5 year freeze on new exploration licences

- **Strategic Environment Assessments underway in Beaufort Sea/Baffin Bay-Davis Strait**

- **Beaufort Sea license holder consultation**

- **Arctic policy framework being discussed**

- **Potential regulatory changes (CPRA)**
Canadian 5 Year Exploration Licence Freeze

- Industry not supportive – impacts investment and R&D
- Canadian Arctic – huge potential
- Technology is continually improving
- Robust regulatory regime in place
- 5 year review needs to be completed in timely way and provide clarity going forward
Arctic Research & Development - Bringing Benefits to Northerners

- Advancing technologies for arctic development (minimize impact)
- Environmental monitoring/data collection (sustainability)
- Modern and resilient infrastructure
- Canada has become world leader in arctic related research (CHARS)
Forming Future R&D Priorities

● Operations
  ▪ Extreme harsh environment
  ▪ Distance to shore
  ▪ Personal transport & logistics
  ▪ Ice/fog/wind/waves
  ▪ Icing on equipment
  ▪ Facility design
  ▪ Emergency response

● Digitization
  ▪ Connectivity
  ▪ Advanced sensors and analytics
  ▪ Robotics and remote control

● Climate
  ▪ Cold climate technology solutions
  ▪ Competitive edge

● Cross Sectorial and Community Collaboration
  ▪ Marine
  ▪ Digitization
  ▪ AUVs