Overview of Nova Scotia’s Energy Projects

Dr. Toby Balch
Director, Business and Technology Division
January 29, 2014
Department of Energy

- Mandated to serve the social, environmental, and economic interests of Nova Scotians by ensuring all energy resources are developed and used in an efficient and sustainable manner.

- Strives to maximize business opportunities for local suppliers of goods and services.

- Works to raise awareness of exploration and development of oil and natural gas, and renewable energy in the province.
Oil and Gas
Current Activity

Sable Offshore Energy Project

- Operated by ExxonMobil with partners Shell, Imperial Oil, Pengrowth and Mosbacher
- First gas 1999
- Running at capacity, producing 200 mcf of gas per day

Deep Panuke Project

- Operated by Encana Corporation
- First gas 2013
- Running at capacity, producing 300 mcf of gas per day
New Opportunities

• The Play Fairway Analysis (PFA): $15 million research investment by Nova Scotia

• Identified rich hydrocarbon potential with an in-place resource estimate of 120 TCF of gas and 8 billion barrels of oil
Shell Canada Limited- Shelburne Basin Exploration Program

- Conducted seismic in 2013
  - Shell will review in 2014
- Exploration drilling expected to commence in 2015
  - Up to 7 exploration wells over a 4 year period (2015-2019)

BP Exploration (Canada) Limited

- Two year Tangier 3D Seismic Survey program to commence in 2014
Renewable Energy
Lower Churchill Hydroelectricity Project - The Maritime Link

- The Maritime Link is an overland and subsea transmission cable

- Will give Nova Scotia access to power from the Lower Churchill Hydroelectric Project

- Construction underway in Labrador; construction in Nova Scotia to begin this year

- First power expected in 2017
Wind

• Wind power is expected to account for 80% or more of newly generated renewable energy

• Wind projects are expected to involve a $400 million investment
  – Nova Scotia contract opportunities reaching the $100 million range

• Current activity includes IPP and COMFIT projects
Tidal

• Fundy Ocean Research Center for Energy (FORCE)
  – Feed in tariff rate just announced
  – RFP for berths has closed; decision expected in March 2014

• Fundy Tidal Inc. has small-scale projects at five locations
  – Three in Digby area and two in Bras D’Or Lakes under COMFIT Program
  – Research underway and first device expected in water by 2015
Our Partners

• The Maritimes Energy Association (300+ members)

• Provincial/Federal Government Departments
  – Nova Scotia Business Inc.
  – Economic Rural Development and Tourism
  – Labour and Advanced Education
  – Canada-Nova Scotia Offshore Petroleum Board
  – Atlantic Canada Opportunities Agency
  – Department of Foreign Affairs, Trade and Development
  – Canadian Manufactures and Exporters
  – Export Development Canada
Contact Us

www.novascotia.ca/energy