

Centre for Corporate Sustainability – Industry Workshop for MSc. SEDV Students



SHELL ONSHORE OPERATING PRINCIPLES

LOCATION: Room 0940, Calgary Place 1, 330 5 Ave SW, Calgary
INSTRUCTION: Meet us in the lobby of Calgary Place 1 at 9:15AM, near the Security Desk
DATE and TIME: March 24, 2017; 9:30AM – 12:00PM

Sustainability at Shell is about delivering energy in a responsible way to meet the world's growing needs. Abundant global supplies of natural gas and oil lie locked tightly in rock formations such as tight sandstone and shale. Shell believes we can safely and responsibly explore, develop, and produce tight sand/shale oil and gas where hydraulic fracturing is used.

In 2011, Shell publically shared five aspirational operating principles that govern the activities where we operate and where hydraulic fracturing is used for the development of onshore tight sand or shale oil and gas. We believe these operating principles provide a framework for protecting water, air, wildlife and members of the communities in which we operate. Our principles are underpinned by a deliberate focus on safety, environment, continuous improvement, collaboration with regulators, and engagement with local residents where we strive to be open and transparent about how we operate and the impacts of our activities. nearby communities. Shell's five operating principles are:

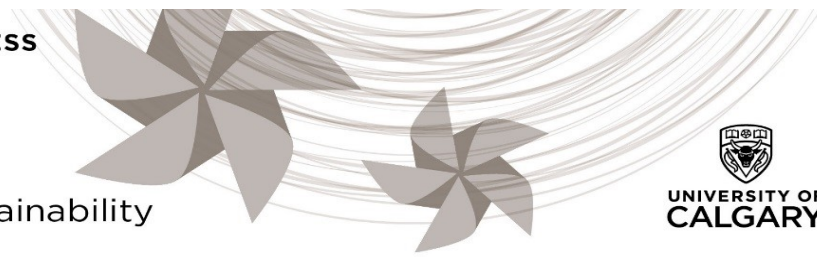
- **Safety** – Shell designs, constructs and operated wells and facilities in a safe and responsible way.
- **Water** – Shell conducts its operations in a manner that protects groundwater and reduces potable water use as reasonably practicable.
- **Air** – Shell conducts its operations in a manner that protects air quality and control fugitive emissions as reasonably practicable.
- **Footprint** – Shell works to reduce its operational footprint.
- **Community** – Shell engages with local communities regarding socio-economic impacts that may arise from its operations.

This workshop will focus on the last two operating principles, footprint and community. The objective of this workshop is to create performance based targets (KPIs) for the Footprint and Community operating principles that can drive performance improvements within the tight sand/shale oil and gas business.

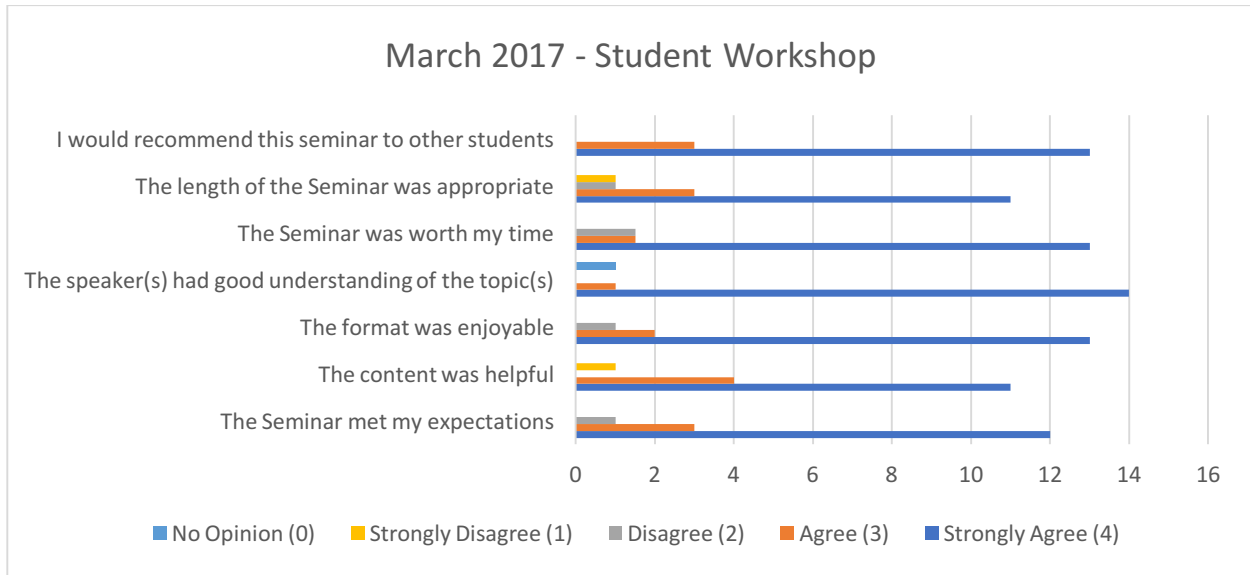
AGENDA

- 15 mins: Welcome and introduction to Shell Canada and the Onshore Operating Principles
- 2 hours: Facilitated workshop, Jodie Didow, Regulatory and Environment Team Lead; Kristyn Moore, Environment EIT

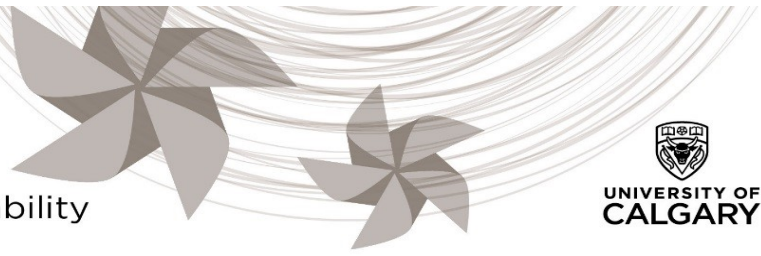
Life of an Onshore Well: <https://www.youtube.com/watch?v=w9MMsEkadGw>



Participant Survey Results:



Attendees: 16 total attendees (Without David & Chanelle); 16 respondents for survey.



Event Pictures:



