

## Outreach Summary Update 2018/2019

### [OUTREACH Plans for 2020](#)

- [2019 Q3 Outreach Update](#)
  - [2019 Q2 Outreach Update](#)
  - [2019 Q1 Outreach Update](#)
  - [2018 Q4 Outreach Update](#)
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October 25th, 2019

### CSUR in Halifax



Outreach Director Brad Hayes visited Halifax on behalf of CSUR for several events during the week of October 15-19<sup>th</sup>.

The central event was the energy3 Conference, sponsored by the Maritimes Energy Association, Marine Renewables Canada, and the Offshore Energy Research Association (OERA). CSUR was invited by conference organizers to present on two panels: “What’s Underfoot: the Onshore Story”, and “The Potential for Maritimes Onshore Natural Gas Development”. Both panels addressed onshore Maritimes gas development potential in terms of geological potential, regulatory and community issues, and hydraulic fracturing regulation.

Brad Hayes also visited with staff from the Nova Scotia Department of Energy and OERA discussing current practices and regulation of unconventional oil and gas development in western Canada.

Finally Dalhousie University Department of Earth Sciences and Environment hosted an evening presentation of “Unconventional Energy – How it Changes the Game”.

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September 23th, 2019

### ALBERTA STUDENT ENERGY CONFERENCE (ASEC)



CSUR Outreach participated in the Alberta Student Energy Conference on September 19 and 20<sup>th</sup>. ASEC is a professional development event hosted by business and engineering students at the University of Calgary, stimulating discussion between industry and students to create new relationships and share knowledge ([ASEC](#)).

On Thursday morning, Chad Lemke joined a panel of industry veterans to judge student presentations of feasibility studies on two very current topics: solar / geothermal tech, and alternatives to curtailment. Chad reported that the students did an excellent job, particularly standing up to the demanding judges!

On Friday morning, Brad Hayes participated in the Executive Panel Discussion “Energy – Looking through a New Lens” – addressing current energy supply and transitions from Alberta, Canadian and global perspectives. In the afternoon, he followed with the CSUR Outreach presentation “Energy Transitions – How do we Power Humanity in the Future?”. At both sessions, there was great discussion around the realities of how the world can transition to alternative sources of energy. A common theme was the importance of Canada in world energy markets, particularly as a clean, ethical source of natural gas – a key fuel in every future energy scenario.

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August 15th, 2019



CSUR hosted its second Outreach event of the summer for students and interns on August 15<sup>th</sup>. Twenty-five people from eight CSUR member organizations attended to hear Chad Lemke (GLJ Petroleum Consultants) present “Unconventional Energy – How it Changes the Game”. Presentation room facilities were generously made available by Crescent Point Energy.

Our two student / intern Outreach events this summer were conducted as an educational service to member organizations, and were very successful in introducing students, new employees, and non-technical staff to the unconventional heart of the oil and gas business. We look forward to conducting more such events for our members in the future.

July 29th, 2019

## **CSUR OUTREACH: Royal Roads University**

CSUR Outreach continues to expand its scope in Canadian university communities. On July 29, we videoconferenced a presentation on hydraulic fracturing and water resources with the Foundations of Environmental Communication graduate class of 21 students at Royal Roads University in Victoria. We were invited back to repeat last-year's presentation to the same class, and we are very pleased to work with Dr. Geo Takach's environmental communications students.

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## **CSUR / SYNERGY ALBERTA PARTNERSHIP COMMUNITY OUTREACH MEETINGS**



CSUR Outreach partnered with the Central Alberta Synergy Group (CASG) in mid-June, visiting two central Alberta communities to talk about Duvernay unconventional oil development and water resources. Synergy Alberta's mission is to foster and support mutually satisfactory resource development outcomes in Alberta communities by providing information, mutual learning, facilitation and resources.

About 30 community members attended at Ridgewood Hall (south of Sylvan Lake) on June 12th, and about 50 at Lincoln Hall (just east of Gull Lake) on June 13th – great turnouts considering the Stanley Cup final game was on the first night, and the Raptors NBA victory the second night!

CSUR Outreach Director Brad Hayes opened each session with an overview of unconventional resources, horizontal drilling and hydraulic fracturing, and water resources. Alberta Environment and Parks followed talking about water policy and allocation, and presentations wrapped up with an Alberta Environment representative discussing water licensing and enforcement. Each meeting concluded with more than a half-hour of public Q&A, followed by one-on-one conversations.

**[CLICK HERE to read Dr. Hayes full report.](#)**

## CSUR at the ReDeveLoP Challenge 2019

CSUR was a key participant in the second CREATE **ReDeveLoP Challenge 2019** (Responsible Development of Low-Permeability hydrocarbon resources) Challenge Annual Conference, held in Calgary the week of May 27th. At this year's conference, CSUR President Dan Allan and Director Brad Hayes presented on "Science and Public Perception", and on "Listening to Advocates".

## CSUR Presents to the Fox Creek School, March 19th

**Fox Creek Synergy Partnership and CSUR** presented "HOW THE GAME IS CHANGING FOX CREEK" to the town of Fox Creek on March 19th. The event was attended by the Town of Fox Creek and local stakeholders. Dr. Brad Hayes, Director of Outreach for CSUR also took time out to **speak to classes at the Fox Creek School.**



*Fox Creek Synergy  
Group Members*

*Thank you so much  
for connection made  
with Dr. Hayes and  
having him present to  
some cool students.  
Extras like this really  
help make Fox Creek  
education about and  
beyond.*

*M. Lodge*






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U.P.A.V.  
Dr. Hayes,  
Thank you for coming  
in and being our guest  
speaker. We loved learning  
about geology.  
- Ms Stocum and  
the grade 3 class.

FOX CREEK  
SCHOOL

**Daily Oil Bulletin Articles** which are written by **Dr. Brad Hayes**, Director and Chair of the CSUR Outreach Program

- August 8, 2018: [Where are we with Fracking\(Aug2018\)](#)

**REPORT ON OUTREACH PRESENTATION**

**March 21, 2018:** Read Dr Brad Hayes report here for a recap of Q1, 2018. [Q1 2018 Recap.](#)  
**OUTREACH**



ALBERTA STUDENT  
ENERGY CONFERENCE

**February 9, 2018:** Director Brad Hayes spoke on behalf of CSUR at the Alberta Student Energy Conference at the University of Calgary on February 9<sup>th</sup>, as part of the CSUR Outreach initiative. ASEC brings together a diverse group of students, primarily from the Faculties of Business and Engineering at U of C,



but hosts delegates from other universities as well – exactly the mix of future technical experts, business leaders, and policymakers CSUR Outreach strives to reach. Brad presented “Unconventional Energy: How the Game is Changing” – our introduction to unconventional oil and gas, environmental issues, and advocacy to a very engaged crowd of about 30 students in a break-out session. During the primary meeting where about 75 delegates attended, Brad sat on a panel with representatives from CAPP and TCPL, discussing a wide range of energy issues, touching on many of the “hot-button” regulatory, environmental and societal issues critical to our industry’s future.

### **Canadian Society for Unconventional Resources CSUR OUTREACH PROGRAM for 2018**

- Director and Chair of the CSUR Outreach Program, Dr. Brad Hayes, recently joined Stuart McNish on Conversations that Matter to discuss Hydraulic Fracturing and Unconventional Resources. [VIEW HERE](#).