

## **January 2021 – BC Government Update Webinar #3**

The final session of this joint CSUR – BC Government collaboration took place on January 13<sup>th</sup>, 2021. Coincidentally, this was also CSUR's inaugural event for the current calendar year. Following on the general & regulatory updates in November & December 2020, respectively, the focus for this last session was centered on the ongoing Technical Research. As in the previous two sessions, representatives from both the BC Ministry of Energy, Mines and Low Carbon Innovation (EMLI) and the BC Oil & Gas Commission (BC OGC) were on hand to provide updates for our members & attendees.

To kick off the webinar, Dr. Brad Hayes, CSUR Director and Chair of the Outreach Program, elaborated on CSUR's vision and strategic evolution for 2021 & beyond. He expanded on the notion of Global Economy with more diverse energy sources & fewer environmental impacts and how CSUR will play a role in delivering this message to its members and the industry as a whole. He indicated that CSUR will continue to bring relevant, unbiased and accurate technical information to its members and to the industry. In addition and to evolve with the times, CSUR will also endeavor to focus on the macro issues, such as the environment, social and governance (ESG), that continue to envelope the industry and gain significance around the globe.

Opening comments from the BC Government were provided by Ken Paulson, Executive VP & COO (BC OGC), during which he reiterated on the positive nature and the need to foster the critical relationships between the BC Government and CSUR & the industry. He also commented on the future goals and initiatives that CSUR has planned, as verbalized by Dr. Hayes, that parallel and are consistent with those set by the BC Government.

For the technical portion of the program, Suzan Lapp, Hydrologist with BC OGC, began with a research update on water, including groundwater research & monitoring and surface water monitoring. She provided further insight into the specifics for each of the ongoing projects around BC, in association with various collaborators and contributors. A key aspect and goal for BC OGC has been to continue with the concept of Knowledge Sharing with other organizations such as Geoscience BC and the First Nation Community Members, including integrating "traditional knowledge" from the various Indigenous groups into their decision making process.

Michelle Schwabe, Executive Director – Regulatory & Infrastructure Branch (EMLI) and Kevin Parsonage, Supervisor – Integrity Programs, BC OGC, then provided research updates & programs from their respective branches. Michelle commenced with context around methane emissions within the CleanBC Program commitment. She also elaborated on the joint initiative between industry, government, non-profits and the BC OGC to support BC's emissions reductions targets. This initiative, termed MERC (Methane Emissions Research Collaborative), was set up to identify possible gaps & research projects and also to aid in formulating policies and regulatory guidelines. Thereafter, Kevin delved into the specific details of each of the major research projects under the Methane Emissions category, including overall vetting of the existing emissions data using various methods and developing a provincial inventory of potential sources (such as storage tanks and compressor vents). In addition to providing a listing of references for the data and research projects, Kevin also commented on the scope of future work in this area of research (aerial survey & root cause analysis).

The final segment of the day's session dealt with an update on the work in the area of Induced Seismicity. Stu Venables, Senior Petroleum Geologist with BC OGC, provided the audience with details on the regulatory framework, disposal, research projects and mitigation efforts. BC OGC is continuing in its efforts to provide a standardized template (both pre-assessment & magnitude) for the industry to utilize. The speaker noted that although the South Montney trend is very well monitored for seismic events (including the Kiskatinaw Seismic Monitoring & Mitigation Area - KSMMA), it is anticipated that the more active North Montney trend will eventually benefit from the learnings within the South trend,

including from the KSMMA Special Project. Stu also touched on the stringent regulatory requirements around disposal schemes in the province and the specifics of each of the active research case studies. He concluded with current strategies being employed by various operators to mitigate seismic events.

## Summary

Join us to hear representatives from both the BC Ministry of Energy, Mines and Low Carbon Innovation and the BC Oil and Gas Commission.

## AGENDA:

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| 10:00 – 10:10 am | Welcome and Opening Comments – CSUR<br>(Brad Hayes) (10 minutes)  |
| 10:10 – 10:15 am | Opening Comments and Agenda – Ken Paulson (5 minutes)   |
| 10:15 – 11:15 am | Technical Research Updates (1 hour) <ul style="list-style-type: none"><li>o Water – Suzan Lapp</li><li>o Methane – Michelle Schwabe/Kevin Parsonage</li><li>o Induced Seismicity – Stu Venables</li></ul> |

Presented by:



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January 13th, 2021 | Zoom Webinar | 09:00am PST  
| 10:00am MST

Presented by:



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