

## Exploring the Public and Political Interest in Induced Seismicity

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### Summary

An exploration of the public and political interest in induced seismicity and felt events at surface. This presentation will provide an in-depth analysis of local community responses to induced seismic events and the corresponding reaction of politicians at the municipal and provincial level. It will also provide an illustration of how this issue has evolved and contrast the Canadian context with that of other jurisdictions such as Oklahoma and other areas around the world.

### Introduction

Induced seismicity has been an issue of concern for local residents and politicians alike ever since it was first linked to hydraulic fracturing and other industrial processes. In order to better understand these concerns the oil and gas industry has established a local community outreach program to collect feedback, hear concerns, and address awareness and understanding gaps in the community. This program has been instrumental in gaining a real-world sense of the true concerns around induced seismicity as it relates to oil and gas development and how these concerns rank in comparison to other concerns such as water use and heavy vehicle traffic.

### Theory and/or Method

The method employed has been one of in-person outreach to local communities impacted by induced seismicity as well as high-level meetings with provincial politicians and regulators. This presentation will provide a summary of these interactions and distill key findings in an effort to guide future engagement and outreach activities in support of continued resource development within these communities.

### Examples

Examples include anecdotal evidence and first-hand reports from local community stakeholders. In particular, specific examples from landowners in affected areas may be discussed to give context as to the level of concern and how it relates to other landowner issues.

### Conclusions

Key findings include a risk-ranked prioritization of issues of most concern to local community citizens as well as perspectives of the provincial government and regulator in respect to managing surface impacts and assuring public safety and confidence in the regulatory system.

### Acknowledgements

Chris Montgomery, Manager of Communications & Outreach – CAPP

### References

In-person meetings in local communities, including Fox Creek, Whitecourt, Rocky Mountain House, Edson, Hinton, Grand Cache, Valley View, Fort St. John and Dawson Creek as well as in-person meetings with provincial politicians and regulators.