

<b>Project Name:</b>	Northeast BC Seismic Array Network (Year 14)
<b>Project Number:</b>	LOCAL-Seismic-2026-01 (continued from ER-Seismic-2021-01 and EI-2016-06)
<b>Proponent:</b>	Natural Resources Canada
<b>BC OGRIS Funding Envelope:</b>	Operations—Local Matters--Seismicity
<b>Timeframe:</b>	July 1, 2012, to March 31, 2027

## Project objectives

The objectives of this project are to maintain a state-of-the-art seismic array network and collect and analyze data on seismic activity in Northeast BC.

## Project description

The project is led by Natural Resources Canada and jointly funded by the BC Energy Regulator, BC OGRIS and the BC Seismic Consortium (up to 2025).

Over the past several years, geologists have been evaluating whether natural gas development may result in seismic activity. Government, industry, communities and First Nations have a common interest in learning more about this issue to support the responsible development of natural gas resources in BC.

The project started on July 1, 2012 with the initial installation and testing of the six seismometers comprising the network. As of 2025, the network has grown to 30 stations.

The network has been maintained ever since the initial installation along with the interpretation of the data collected. A dedicated seismologist has been engaged to undertake real-time analysis of events within the project area, recommend improvements to the enhanced network and perform project-specific research.

The network is now fully integrated into the Canadian National Seismic Network (CNSN) and provides real-time data to the Geological Survey of Canada’s earthquake location operation. The induced seismicity monitoring results are provided to the BC Energy Regulator and made available on the BC Energy Regulator’s website. <https://www.bc-er.ca/data-reports/data-centre/>

## Project deliverables

The deliverables from this project include the following:

1. Network of seismometers in Northeast BC;
2. Information from the Network available on the Natural Resources Canada website; and
3. Annual report on seismic activity in Northeast BC.