

Peace River Nuclear Power Project

The Project:

Energy Alberta is proposing the construction of two twin CANDU MONARK nuclear reactors, located approximately 30 km north of the Town of Peace River, Alberta. As proposed, the Peace River Nuclear Power Project would cover 1,424 hectares in area and operate for approximately 70 years. The plant would generate up to 4,800 megawatts.

The public can review and subscribe for updates on the Project, reference number 89430, at <https://iaac-aeic.gc.ca/050/evaluations/proj/89430>.

Federal Assessment:

An integrated impact assessment of the Project is being conducted by the Impact Assessment Agency of Canada (IAAC) – a federal body established pursuant to the *Impact Assessment Act* – in collaboration with the Canadian Nuclear Safety Commission (CNSC) – a body established under the *Nuclear Safety and Control Act*. These are both federal bodies.

The federal government has jurisdiction over works and undertakings associated with the production, use and application of atomic energy, including nuclear facilities and nuclear facility operations. The IAAC regulates project approvals and provides ongoing monitoring of nuclear facilities to prevent or mitigate significant adverse effects that may be caused by projects (*Impact Assessment Act*, s 6(1)). The CNSC also regulates the development, production and use of nuclear energy in order to prevent unreasonable risk to the environment, health and safety of persons, and security (*Nuclear Safety and Control Act*, s 9). The integrated impact assessment consists of 5 phases – at the decision phase the Governor in Council will decide if a project will move forward and the Minister will issue a decision statement.

More information about integrated impact assessments is available at: <https://www.canada.ca/en/impact-assessment-agency/programs/impact-assessments-101/integrated.html>.

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Provincial Panel:

The Government of Alberta has set up a Nuclear Energy Engagement and Advisory Panel to advise the government about its potential role in advancing a nuclear energy industry in the province. The Panel is gathering feedback on how nuclear power could be integrated into Alberta's energy mix to provide reliable baseload power and opportunities for industrial application. The Panel will deliver its final report to the Minister of Affordability and Utilities by March 1, 2026.

The Panel is conducting in public engagement in phases. The first phase of engagement consists of a survey, which is open until September 25, 2025. Additional information and the survey can be found at: <https://www.alberta.ca/nuclear-energy-engagement>.

The province regulates water use (*Water Act*), the provincial electricity grid (*Hydro and Electric Energy Act* and *Alberta Utilities Commission Act*) and environmental matters (*Environmental Protection and Enhancement Act*). Project proponents may be required to obtain provincial approvals as well as federal approvals.

Municipal Role:

Municipalities have no jurisdiction over development, construction or operation of nuclear facilities. Municipalities do not issue licences, permits or approvals for nuclear energy projects. However, municipalities are knowledgeable stakeholders and may participate in public engagement opportunities at the federal and provincial level. Additionally, municipalities may develop policy positions on matters within municipal jurisdiction to inform any participation in the federal assessment and provincial engagement on nuclear energy.

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