

AP1000® Reactor

The Economic Impact of a Westinghouse AP1000® Reactor Project in Canada

Background

- One AP1000® unit can power over 750,000 homes annually, and a four-unit facility can power at least three million homes.
- The AP1000 Reactor Project would contribute to the economic footprint of Canada's nuclear sector through capital investments and the ongoing operation of a new nuclear power project.
- It will also help to support the strong nuclear industry supply chain across Canada and set the stage to support future investments in Westinghouse's advanced technologies such as the AP300® Small Modular Reactor.
- The AP1000 Reactor Project, being a carbon-free source of energy, aligns with Canada's 2030 emission reduction plan.

Economy

The Westinghouse AP1000 Reactor Project could support **\$28.7 billion** in GDP across Canada during the installation of approximately 4,800 MW of added nuclear capacity.

Employment

Ongoing operations are estimated to provide almost **\$8.1 billion** in GDP per annum and **12,000 FTE jobs** in Canada.

Supply Chain

The use of the Canadian supply chain to procure inputs for future AP1000 developments globally could support a further **\$880 million of GDP impact** in Canada for each unit installed.

Partnerships & Workforce

- The AP1000 Reactor Project will provide cutting-edge nuclear skills with significant investment planned to enable training of a Canadian workforce.
- Westinghouse is building partnerships with local educational institutions such as awards to Fleming College and supporting female STEM students at Ontario Tech.
- High-skilled roles created with plans to aid in the training of over **1,600 local employees** to work at the AP1000 Reactor Project once operational.
- Many of the roles created will be highly skilled, including engineers, chemists and nuclear technicians.



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Ownership

Westinghouse is Canadian owned by Cameco and Brookfield Renewable. In addition to three Canadian acquisitions since 2019 (250+ current Canadian staff), Westinghouse continues to invest in the country and, as a result, has opened this engineering and innovation hub in Kitchener with 200+ engineers and staff.

Community Engagement

Westinghouse is a proud supporter of the Canadian Council of Aboriginal Businesses and is a Committed member of the Progressive Aboriginal Relations program. Westinghouse's reconciliation journey is supported by our Indigenous Relations Committee, Indigenous Relations policy and DEI initiatives.

Canadian Footprint

- Westinghouse has a deep commitment to Canada, with three offices in Burlington, one in Kitchener, one in Port Elgin, and a manufacturing facility in Peterborough, Ontario.
- Westinghouse gives back to the communities where our employees live and work through charitable donations, scholarships and awards, and volunteering.

Canadian Supply Chain Serving AP1000 Reactors Worldwide

- Westinghouse intends to implement its proven localization approach using Canada's world class nuclear supply chain, for both Canadian projects and to support international projects.
- The Canadian AP1000 supply chain will provide Canadian firms opportunities to support the over 30 AP1000 units Westinghouse has clear line of sight to. No other Western reactor technology has such tangible, substantial growth opportunities.

