

CNF Project



Artist's Concept of CNF Building

The National Research Council of Canada (NRC) and Atomic Energy of Canada Limited (AECL) jointly propose a new Canadian Neutron Facility for Materials Research (CNF) to support next-generation neutron-based materials research and innovation in Canada.

The purpose of the proposed CNF is two-fold:

- to provide the advanced materials research capability to meet the needs of Canadian universities and industry
- to provide an essential testing facility to advance the CANDU® power reactor design and ensure the future competitiveness of the Canadian nuclear industry.

The proposal will be brought forward with full regard for academic, research and industrial stakeholders.

A CNF Project, planned to begin in 1999, would have a projected reactor start-up in 2005. The total estimated cost for the reactor and program facilities at the Chalk River site is \$388 million: \$208 million for the CNF reactor and \$90 million each for the CANDU development facilities and the neutron beam facilities.

"The Canadian Neutron Facility offers unprecedented potential for the advancement of materials research in Canada and is indispensable for the continued success of Canada's nuclear power program."

Bertram Brockhouse,
Canadian Nobel Laureate (Physics)