AECL
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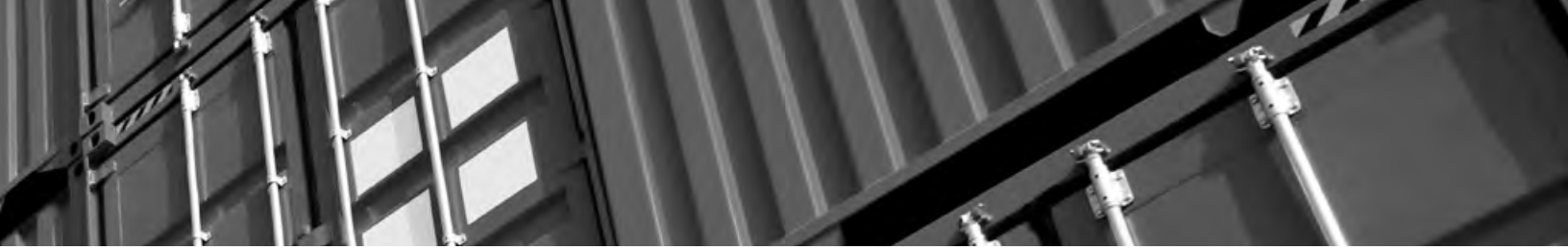
Atomic Energy of Canada Limited
2013 Annual Financial Report

APPLYING nuclear science and technology to the BENEFIT of CANADA



Clean, Safe Energy

Clean, Safe Energy builds upon existing investments in nuclear energy technologies required to ensure that nuclear-related energy systems are safe. This is achieved by developing the systems, materials and infrastructures required for the next generation of nuclear reactors, the application of hydrogen technologies for energy production and industrial applications, and to ensure that Canadians benefit from developments in fusion energy and small reactor technologies.

AECL made significant progress in the improvement of its Super-Critical Water Reactor (SCWR) design as part of Canada's contribution to the Generation IV International Forum, a cooperative international endeavour to establish the feasibility and performance capabilities of next-generation nuclear energy systems. Through this work, AECL is advancing nuclear energy technology and safety systems for Canada's next-generation reactors.

Working with Canadian industrial partner EcoVu, AECL helped demonstrate the removal of radioactive contaminants from a waste solution using EcoVu's patented purification technology. The process proved to be extremely effective for uranium and other heavy metals removal, and can be readily applied to a variety of environment and waste management cleanup actions. AECL's support helped the Canadian company demonstrate the applicability of its process and, as a result, access public and private sector funding.

AECL is ADVANCING nuclear energy TECHNOLOGY and SAFETY SYSTEMS for the next generation of nuclear reactors through its work REPRESENTING CANADA on the Generation IV International Forum.