

Resources, Resilience and Sustainability: NRC Innovation Supporting Canada's Energy Future

Dr. Jean-François Houle, Vice President of Engineering
National Research Council of Canada
Jean-Francois.Houle@cnrc-nrc.gc.ca

Abstract:

With abundant natural resources, a diverse energy mix, and ambitious emissions reduction targets, Canada stands at a pivotal moment in shaping its energy future. This presentation will provide a high-level overview of Canada's current energy landscape, trends, and policy drivers influencing the sector. It will highlight the National Research Council of Canada's (NRC) role in advancing research and innovation to Canada's energy sector with new technologies and evidence-based energy policies.

From innovation in battery and renewable energy technologies to materials discovery and grid modernization, the NRC is contributing directly to Canada's clean energy transition. Attendees will gain insight into how NRC's science and engineering expertise, along with collaborative initiatives with national and international partners, is helping to address climate challenges, create economic opportunities, and establish Canada as a clean and conventional energy superpower.