



Master of Science in Sustainable Energy Development 2026 Capstone Showcase Presenters

Assessing Biohazardous Waste Disposal at UCalgary: An Opportunity for Sustainability

Gurjeet Bali

Compressed Air Renewable Micro Energy Storage Feasibility Analysis

Doug Braden

A Critical Assessment of the Feasibility of Organic Food Distribution in Alberta

Helena Milovic

Enabling Non-Wires Solutions in Alberta's Electricity System: Regulatory Barriers, Cost-Benefit Frameworks, and Pathways to a Cleaner Grid

Preeta Raghunathan

Enabling Strategic Secondary Copper in Canada: Policy Pathways for Domestic Recovery, Processing, and Use in Electrification and Grid Expansion

Nazifa Rahman

Energizing Sovereignty: A Techno-Economic Roadmap for Resilient Renewable Energy Integration at Okanese First Nation

John Velasquez Saldarriaga

Engineering Social License via Multi-Sensor Telemetry Framework for Mine Waste Management: Case Review of Antamina Mine (Peru)

Renzo Morales Nunez

Feasibility studies on Distributed CO₂ Transportation Network development using LNG Virtual Pipeline Infrastructure in Western Canada

Shola Ojedokun

Geothermal-Assisted Green Hydrogen Production with Organic Rankine Cogeneration from Suspended Oil and Gas Wells in Alberta

Claire Oseghale

Greenhouse Gas AutoBidder

Julie Boyce

An Investigation of Textile Circularity while Creating Opportunities for Sustainable Employment

Isabel Rose

An Investigation of the Public Health Risks and the Current State of Health and Emergency Management Systems related to Nuclear Small Modular Reactor Deployment

Ayesha Tauqeer

Investigating the Transferability of Public Acceptance Drivers from Wind Energy and Electric Vehicles to Carbon Capture Technology

Jasmine Bhambra



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Natural Hydrogen: Its Potential Role in Canada's Low-Carbon Energy Transition

Jimmy Mulbah

Policy Analysis and Techno-economic Feasibility of Biological Recovery Methods for Sustainable Mining

Heather Cowie

Public Participation Pathways Under the Building Canada Act

Conlan Donahue

Review of Current Legal Frameworks for Carbon Capture and Storage in Canadian Provinces

Adeniyi Adeoloye

Techno-Economic Assessment of SolarSteam's BendReality™ for Data Center Cooling in Southern Alberta

Dhruv Modi

Techno-Economic Comparison of Cryogenic and Amine-Based Carbon Capture Systems

Author Sujib Chandra Sutradhar