

Canada UK Energy Summit – Industrial Decarbonization

October 19, Canada House, Trafalgar Square

- MC **Jason Langrish**, President, The Energy Roundtable
- 12:45 pm. **Registration**
- 1:15 pm Opening remarks by **H.E. Ralph Goodale**, Canadian High Commissioner
- 1:25 pm **The unprecedented transformation of industry**
Industry and government are working to advance the development of hydrogen and CCUS technologies and projects; notably, to decarbonize industrial sectors whilst protecting, and creating, jobs. The scale of the transformation is unrecognizable to what was happening only a few years ago. Panelists will discuss the frameworks, technologies and investments that will facilitate the transition to a low carbon industrial economy, including treatment of industrial ‘hubs’.
The Government view:
- **Andy Noseworthy**, Assistant Deputy Minister, Clean Technologies, ISED (Canada)
 - **Joanna Whittington**, Director General, Energy Security, BEIS
- The private sector view:
- **Kendall Dilling**, President, Pathways Alliance
 - **Susannah Pierce**, President & Canada Country Chair, Shell
 - **Roberto Castiglioni**, Co-founder and CEO, Ikigai Capital
- Session chair: Terri-Lee Oleniuk**, Partner, Blake, Cassels & Graydon LLP
- 2:30 pm **Industrial decarbonization: The role of hydrogen in the clean energy transition**
Now is the time to scale up technologies and bring down costs to allow hydrogen to become widely used. But for hydrogen to make a significant contribution to clean energy transitions, it needs to be adopted in sectors where it is almost completely absent, such as transport, buildings, and power generation. Its production also needs to be decarbonized where possible, including through the use of low to zero carbon electricity sources. Demand for hydrogen, which has grown more than threefold since 1975, continues to rise – almost entirely supplied from fossil fuels. The production of hydrogen poses a challenge, as it is responsible for CO₂ emissions equivalent to those of the United Kingdom and Indonesia combined. The panel will examine how hydrogen projects are evolving and scaling in Canada and the UK.
- **Shekhar Sumit**, Head of Energy Transition, Sizewell C – EDF
 - **Diana Raine**, Managing Director, Smart Hydrogen Consulting
 - **Satvinder Flore**, Executive Vice-President – Energy, Resources & Industry, WSP Canada
 - **Grant Strem**, Chairman & CEO, Proton Technologies
- Session chair: Dr. Michaela Kendall**, CEO, Adelan and UK Hydrogen Champion at Mission Innovation, BEIS
- 3:15 pm **Networking break**
- 3:45 pm **Carbon capture, utilization, and storage (CCUS) and carbon dioxide removal (CDR)**
Strengthened climate goals and new investment incentives are delivering unprecedented momentum for CCUS & CDR, with plans for more than 100 new facilities announced in 2021. Capture, storage and removal technologies will play an important role in meeting net zero targets, including as one of few solutions to tackle emissions from heavy industry and to remove carbon from the atmosphere. Although recent progress is encouraging, the planned pipeline of projects would fall well short of delivering the 1.7 billion tonnes of CO₂ capture capacity deployed by 2030 in the Net Zero by 2050 scenario. The panel will discuss how to advance projects in Canada and the UK and explore the collaboration between the two territories.
- **Clive Mather**, Member of the Board of Directors, Emissions Reductions Alberta
 - **Dr Bryony Livesey**, ISCF Director – Industrial Decarbonisation Challenge, UK CCS Centre
 - **Angela Hepworth**, Commercial Director, DRAX Global
 - **Amy Ruddock**, Vice President, Europe and the Middle East, Carbon Engineering
- Session chair: Niall Mac Dowell**, Professor in Energy Systems Engineering, Imperial College London
- 4:30 pm **Innovators session**
Canadian entrepreneurs will discuss how their energy technology solutions are solving real world business problems.
- **Travis Brookson**, Strategic Account Manager, Svante
 - **Jason Chadwick**, Vice President, Business Development, Entropy
 - **Brandon Moffatt**, Co-Founder, StormFisher Hydrogen
 - **Jeanne Milne**, Senior Government Relations Advisor, FuelPositive Corporation
- Session chair: Andy Noseworthy**, Assistant Deputy Minister, Clean Technologies, ISED
- 5:15 pm **Close**
- 5:30-7:00 pm **Networking reception**