Canada UK Energy Summit - Industrial Decarbonization

October 19, Canada House, Trafalgar Square

12:30 pm **Registration**

1:00 pm **Opening remarks**

1:10 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'.This session will include both government and industry perspectives.

2:15 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 CO_2 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.

3:00 pm **Networking break**

3:30 pm **Advancing low carbon industrial solutions - what are investors looking for?**

4:00 pm **Carbon capture, utilization, and storage (CCUS)**

Strengthened climate goals and new investment incentives are delivering unprecedented momentum for CCUS, with plans for more than 100 new facilities announced in 2021. CCUS 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.

4:45 pm **Innovators session**

Canadian entrepreneurs will discuss how their energy technology solutions are solving real world business problems.

5:45-7:30 pm **Networking reception in Grand Foyer of the Canadian High Commission**

Co-Hosts

Government of Canada / Gouvernement du Canada
High Commission of Canada / Haut-commissariat du Canada

UK Government

Reception Host

SZC EDF ENERGY CGN

Summit Partners

Alberta Canada

Blakes Lawyers

International CCS Knowledge Centre

CUSW The Canadian Union of Skilled Workers

Knowledge Partner

Innovation, Science and Economic Development Canada / Innovation, Sciences et Développement économique Canada

Network Partner

Canada-United Kingdom Chamber of Commerce