



IRENA Innovation Day: Canada

PROGRAMME

DAY 1: INNOVATIVE SOLUTIONS TO DECARBONISE THE POWER SECTOR

Wednesday, 23 March 2022 • 09:00-12:30 EDT / 14:00-17:30 CET

TIME (EDT)	SESSION
09:00 – 09:15	Opening addresses by IRENA and Natural Resources Canada
09:15 – 10:30	Session 1: Mini-grids of the future The session explored innovative solutions in off-grid, remote areas and islands, including interconnecting mini-grids together or with the main grid to increase resilience and reliability, and allow the integration of higher shares of renewable electricity and in turn decrease costs. Central to the discussions were the changing roles of energy actors, digitalisation, emerging challenges and opportunities, and the potential to enable Indigenous Reconciliation and economic development.
10:30 – 11:00	Break
11:00 – 12:15	Session 2: Innovative hydropower solutions for a clean, reliable and flexible grid The session explored innovative solutions in hydropower and pumped hydro storage to maximize its contribution to the grid, integrate, and balance higher shares of variable renewables by offering a unique range of system services including provision of inertia, operation reserves, load following and time shifting to long-duration storage. The discussion also explored the role of digitalisation.
12:15 – 12:30	Wrap up of DAY 1 by IRENA and Natural Resources Canada.

DAY 2: INNOVATIVE SOLUTIONS TO DECARBONISE THE END-USE SECTORS

Thursday, 24 March 2022 • 09:00-12:30 EDT / 14:00-17:30 CET

TIME (EDT)	SESSION
09:00 – 09:15	Welcome to Day 2 by IRENA
09:15 – 10:30	Session 3: Advancements in decarbonizing on-road transportation The session explored some of the challenges and opportunities in technologies, enabling frameworks and business models for medium- and heavy-duty road transport sectors in transitioning to low-carbon transport modes and related infrastructure.
10:30 – 11:00	Break
11:00 – 12:15	Session 4: Innovative solutions to decarbonize the iron and steel sector The session explored pathways to accelerate the development and dissemination of renewables and enabling solutions, including technologies and processes, enabling frameworks and business models to decarbonise the hard-to-abate industrial sector of iron and steel.
12:15 – 12:30	Recap and way forward IRENA and Natural Resources Canada wrapped up discussions and highlighted key takeaways from both days and what lies ahead of us.

