

Carbon Free Corridor (CFC)

High Level Summary of Recent Webinars

EV Challenges & Opportunities

In Fall 2020, EEI held a webinar to explore the challenges and opportunities surrounding EV Charging along the CFC. Nino Di Cara of Electric Autonomy Canada offered broad perspectives on charging infrastructure in Canada focusing on issues surrounding accessibility, resiliency, and equity. Hajo Ribberink of CanMET Energy provided interesting statistics surrounding transportation energy usage and reported on the expected impacts on grid loads under various penetration and charging scenarios. Hajo also reported on CanMET's R&D activities, including what is being done to enhance understanding of MDHV duty cycles and charging infrastructure needs. Lastly, Dave Rowilson of JML Electric provided an overview of recent leading-edge Canadian charging infrastructure installations and costing case studies.

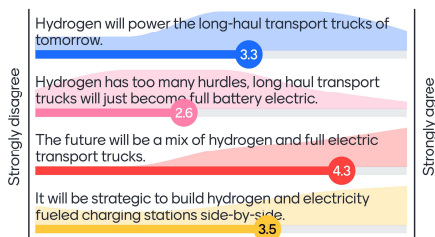


NRCan Electric Charging and Alternative Fueling Stations Locator

Decarbonizing Air Transport

In May 2021, the CFC discussion expanded into air transport. This webinar began with a discussion on the importance of addressing air transport and the current challenges, including the distance limitations of electrification and the lack of carbon accounting associated with International travel. Following the topical overview, the webinar featured Alexandru Iordan of the SAF+ Consortium and Todd Young of De Havilland Aircraft of Canada Ltd. Alexandru provided updates on the innovations taking place with SAFs and the potential for carbon neutral aviation. Todd provided an overview of CSAF's vision and technology pillars as well as progress towards the development of a hybrid-electric propulsion system that is anticipated to be in-flight within 3 years. These exciting presentations demonstrated how the sector is responding to the climate change challenge through implementation of green aviation technologies to enable the path towards zero-emission aviation.

Please offer your inputs on the following statements:



Stakeholder Engagements & Next Steps

Participants with diverse roles and from various sectors participated in interactive exercises to identify the challenges, opportunities, and drivers surrounding the CFC (and similar) initiatives. At the EV Charging Webinar, stakeholders were in strong agreement that the future of transport trucks will be a mix of hydrogen and full electric and that it would be strategic to build charging infrastructure side-by-side. At the Decarbonizing Air Transport webinar, many interesting drivers were identified as having the potential to push the transition to cleaner fuels. The CFC continues to connect the major players and advance funded projects along the corridor. We are planning a hybrid (in-person/virtual) for the Fall and we hope to see everyone there!

For International Flight in Particular, What Will Ultimately Drive The Transition to Cleaner Fuels?

