

## Sustainability and electrification experts: Canada's takeaways

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### PRESS RELEASE

**Toronto, October 3, 2022** – Demand for electricity continues to grow across Canada, posing several challenges that could significantly impact Canadians. That's the biggest takeaway coming out of a gathering of climate change, sustainability and net zero experts in Toronto last week, who discussed Canada's uncertain future when it comes to renewable energy and electrification.

At Change the Current: Together for Sustainability through Canadian Electrification, host and organizer Nexans Canada challenged industry to join the company to make decarbonization a priority, and to address the opportunities and challenges Canada has before it when it comes to electrification.

Key takeaways from discussions about global copper scarcity and the circular economy, carbon neutrality, and renewable energy are:

- Canada's climate targets require a switch from fossil fuels to electricity coming from renewable sources.
- Most products that use fossil fuels today will need to be electrified – vehicles, homes, offices, buildings, even planes, which will increase worldwide demand for copper. An EV requires about ten times more copper than a gas-powered vehicle.
- Copper is the backbone of electrification, however mined copper cannot meet anticipated demand. An industry-wide commitment to retrieving recycling copper cabling is required. This can be facilitated by designing products and buildings with end of life in mind so the metal can easily be recovered, recycled and reused (circular economy).
- It's estimated demand for copper, one of the best conductors of electricity, will outstrip global supply in just two years. The U.S. is already consuming more copper than it is producing.
- Canadian copper can help address the impending global copper shortage and get Canada into the net zero grid race if industry's commitment to retrieving copper is strengthened.
- Recycled copper is much more efficient in terms of greenhouse gas emissions than virgin copper.
- Outdated power utility infrastructure across Canada will be inadequate to support increasing demand for electricity, which is expected to more than double by 2050.
- Governance, administration and regulation of electricity systems are lacking.
- In general, existing electrical infrastructures are simply maintained, not expanded or upgraded for future demand.
- Some utilities are already implementing net zero into their planning function.
- Sophisticated stakeholder understanding and public engagement is essential in gaining support for investing in massive capital expenditures that will take Canada to 2050 and beyond.

Find more information about the speakers, panelists, and event information, and watch the replay of the full event [on the event webpage](#).

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## About Nexans

For over a century, Nexans has played a crucial role in the electrification of the planet and is committed to electrifying the future. With approximately 25,000 people in 42 countries, the Group is driving the change towards a safer, more sustainable, renewable, carbon-free world, accessible to all. In 2021, Nexans generated €6.1 billion in standard sales. The Group is a leader in the design and manufacturing of cable systems and services across five main business areas: Energy Generation & Transmission, Distribution, Usages, Industry & Solutions and Telecom & Data. Nexans was the first company in its industry to create a Foundation supporting sustainable initiatives bringing energy to disadvantaged communities worldwide. The Group pledged to contribute to carbon neutrality by 2030.

Since 1911, Nexans Canada has played a role in the nation's growth by supplying cables to power generation stations such as Niagara Falls, and through its involvement in projects such as dams, bridges, energy transmission and distribution, and railway and transportation.

Nexans. Electrify the future.

Nexans is listed on Euronext Paris, compartment A.  
For more information, please visit [www.nexans.ca](http://www.nexans.ca)

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