

# QIMC Commences Winter Real-Time Monitoring of Dynamic Hydrogen Gas Flow at Identified Hot Spots

Lachute, Quebec--(Newsfile Corp. - November 19, 2024) - Quebec Innovative Materials Corp. (CSE: QIMC) (FSE: 7FJ) (OTC Pink: QIMCF) ("QI Materials", "QIMC" or the "Company"), QIMC is pleased to announce the launch of its winter monitoring activities for measurement of natural hydrogen gas flow rates in strategically identified hot zones in the St-Bruno-de-Guigues area (Témiscamingue). This significant milestone builds on our high-grade soil sampling results and recent geophysical analysis, enabling us to identify potential primary conduits and fault lines. These locations will guide the strategic installation of probes to monitor zones with high commercial hydrogen flow rates.

Building on the successful results of our summer soil sampling program and recent geophysics, QIMC is beginning its program for real-time gas flow monitoring at key areas where significant hydrogen hotspots were identified. Using a non-invasive methodology, shallow drilling holes, each approximately 5 meters deep, have been created to accommodate advanced monitoring probes. These probes, equipped with real-time monitoring and data-logging capabilities, will provide continuous, flow measurements in the dynamic hydrogen gas system.

Complementing this effort is the integration of geophysical data, which is instrumental in locating primary hydrogen faults and conduits in the region. As we enhance our understanding of these subsurface systems, QIMC will strategically deploy additional hydrogen flow measuring probes at other key locations identified by the geophysical analysis and LiDAR (light detection and ranging) topographic data.

The real-time data, generated by this initiative, offers significant insights into flow variability over time, empowering QIMC to better understand and predict hydrogen dynamics in the subsurface. This milestone reinforces our commitment to sustainable energy exploration while maintaining rigorous environmental stewardship.

"We are thrilled to advance our hydrogen program with this cutting-edge proprietary monitoring technology and methodology," said John Karagiannidis, CEO of QIMC. "This initiative reflects our dedication to harnessing innovative techniques to monitor and measure the flow of hydrogen while ensuring minimal environmental impact."

As a leader in the exploration of natural renewable hydrogen, QIMC is at the forefront of initiatives that align with Quebec's ambitious clean energy transition goals. We are excited to build on the momentum of our ongoing efforts and look forward to sharing updates on the winter gas flow measurement and monitoring results. The insights gained from this innovative program will be instrumental in QIMC's strategic drive to position natural renewable hydrogen as a cornerstone of Quebec's sustainable energy future. For more information about Quebec Innovative Materials Corp. and its products, please visit [www.qimaterials.com](http://www.qimaterials.com).

## **About Québec Innovative Materials Corp.**

Québec Innovative Materials Corp. is a mineral exploration, and development company dedicated to exploring and harnessing the potential of Canada's abundant resources. With properties in Ontario and Québec, QIMC is focused on specializing in the exploration of white (natural) hydrogen and high-grade silica deposits, QIMC is committed to sustainable practices and innovation. With a focus on environmental stewardship and cutting-edge extraction technology, we aim to unlock the full potential of these materials to drive forward clean energy solutions to power the AI and carbon-neutral economy and contribute to a more sustainable future.

## **QUÉBEC INNOVATIVE MATERIALS CORP.**

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