

# Quebec Silica Resources Corp. and HPQ Silicon Inc. Sign Memorandum of Understanding

Lachute, Quebec--(Newsfile Corp. - September 14, 2022) - Quebec Silica Resources Corporation (CSE: QTZ) ("QTZ") would like to inform shareholders about signing a Memorandum of Understanding ("MOU") with [HPQ Silicon Inc.](#) ("HPQ" or the "Company") (TSXV: HPQ), an innovative silicon solutions and technology development company, the MOU regards the procurement of Quartz material from QTZ's Charlevoix Silica Project to HPQ for testing and evaluation purposes.

## A POTENTIAL PURCHASER OF QUARTZ MATERIAL

HPQ represents an interesting potential future customer for QTZ. Under the terms of the MOU, QTZ will supply HPQ with silica materials that meet HPQ specifications and requirements for testing in HPQ *GEN3 PUREVAP™ Quartz Reduction Reactor (QRR)*. Under the MOU, if the material provided by QTZ generates "finished products" that are commercially valid and usable by HPQ, the Parties will negotiate a definitive sourcing agreement. Either Party may terminate the MOU after twelve (12) months without any obligation or liability to the other party.

*Raymond Wladichuk, CEO of Quebec Silica Resources Corp. states: "We are very excited to be providing HPQ with silica material for testing in their technology. We believe that HPQ and QTZ share the same values in terms of silica's role in the newgreen economy."*

*"HPQ's value proposition is derived from harnessing the potential of its silicon and silica materials innovations: the manufacturing and commercializing of silicon, fumed silica and nanosilicon materials needed for an ever-evolving ESG compliant business environment. As we get closer to making commercial production plans, securing access to quartz feedstock for our silicon and silica projects becomes another much-needed check mark," said Mr. Bernard Tourillon, President and CEO of HPQ Silicon Inc. "This MOU gives HPQ the opportunity to begin addressing quartz feedstock questions while focusing on developing its technologies, and QTZ focuses on developing its quartz resources. So, in effect, it enables both companies to use their limited but valuable resources efficiently - creating a WIN-WIN scenario."*

## About HPQ Silicon Inc.

[HPQ Silicon Inc.](#) (TSXV: HPQ) is a Quebec-based innovative silicon solutions company that offers silica (SiO<sub>2</sub>) and silicon (Si) based solutions, and is developing a unique portfolio of high value-added silicon (Si) products sought after by battery and electric vehicle manufacturers, among other industries.

Silicon (Si), also known as silicon metal, is one of today's key strategic materials needed for the decarbonization of the economy and the Renewable Energy Revolution ("RER"). However, silicon does not exist in its pure state and must be extracted from quartz (SiO<sub>2</sub>) in what has historically been a capital and energy-intensive process.

With [PyroGenesis Canada Inc.](#) (TSX: PYR) (NASDAQ: PYR), HPQ is developing:

1. the *PUREVAP™ "Quartz Reduction Reactors" (QRR)*, an innovative process (patent granted in the United States and pending in other jurisdictions), which will permit the one-step transformation of quartz (SiO<sub>2</sub>) into high purity silicon (Si) at reduced costs, energy input, and carbon footprint that will propagate its considerable renewable energy potential.

2. Through its 100% owned subsidiary, HPQ NANO Silicon Powders Inc., the **PUREVAP™ Nano Silicon Reactor (NSiR)** is a new proprietary process that can use material produced by the QRR as feedstock, to make a wide range of nano/micro spherical powders and nanowires of different sizes.
3. Through its second 100% owned subsidiary, HPQ Silica POLVERE Inc., HPQ is developing a new plasma-based process that allows a direct Quartz to Fumed silica transformation, removing the usage of hazardous chemicals in the making of Fumed silica and eliminating the Hydrogen Chloride Gas (HCl) associated with its manufacturing.

HPQ is also a technology development company interested in developing hydrogen-based ventures, that could be complementary to the QRR efforts. Currently, HPQ is evaluating two different approaches to reach this goal, those being:

1. Working with Swiss based company EBH<sub>2</sub> Systems SAS on their proprietary process to manufacture Green Hydrogen via electrolysis, and
2. Developing HPQ's own processes of making hydrogen via hydrolysis of nanosilicon materials made by our **PUREVAP™ (NSiR)**.

For more information, please visit [HPQ Silicon web site](#).

### **About Quebec Silica Resources Corp.**

Québec Silica is a mineral exploration company focused on acquiring and exploring mineral resource properties with an emphasis on the Charlevoix Silica Property located near St Urbain, Québec, Canada. Québec Silica's goal is to explore for, develop, and provide silica resources for the new green economy such as Silicon Lithium batteries, solar silicon, telecommunication and optics, and biomedical applications.

Additional information on Quebec Silica is available at [www.quebecsilica.com](http://www.quebecsilica.com).

On behalf of the Board of Directors,

**Québec Silica Resources Corp.**

*"Raymond Wladichuk, P.Geo."*

Chief Executive Officer

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*Neither the Canadian Securities Exchange nor its Regulation Services Provider (as that term is defined in the CSE policies) accepts responsibility for the adequacy or accuracy of this news release and has neither approved nor disapproved the contents of this news release.*

Raymond Wladichuk, P.Geo., (OGQ permit number: 02287), is the CEO of Québec Silica Resources Corp., and a Qualified Person for National Instrument 43-101 - Standards for Disclosure of Mineral Projects has reviewed and approved the scientific and technical information contained in the news release.

### **Forward-Looking Statements**

This news release contains statements that constitute "forward-looking statements". Such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause Quebec Silica's actual results, performance or achievements, or developments in the industry to differ materially from the anticipated results, performance or achievements expressed or implied by such forward-looking statements. Forward-looking statements are statements that are not historical facts and

are generally, but not always, identified by the words "expects," "plans," "anticipates," "believes," "intends," "estimates," "projects," "potential" and similar expressions, or that events or conditions "will," "would," "may," "could" or "should" occur.

Although Quebec Silica believes the forward-looking information contained in this news release is reasonable based on information available on the date hereof, by their nature, forward-looking statements involve assumptions, known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements.

Examples of such assumptions, risks and uncertainties include, without limitation, assumptions, risks and uncertainties associated with general economic conditions; the Covid-19 pandemic; adverse industry events; future legislative and regulatory developments in the mining sector; the Company's ability to access sufficient capital from internal and external sources, and/or inability to access sufficient capital on favorable terms; mining industry and markets in Canada and generally; the ability of Quebec Silica to implement its business strategies; competition; and other assumptions, risks and uncertainties.

The forward-looking information contained in this news release represents the expectations of the Company as of the date of this news release and, accordingly, is subject to change after such date. Readers should not place undue importance on forward-looking information and should not rely upon this information as of any other date. While the Company may elect to, it does not undertake to update this information at any particular time except as required in accordance with applicable laws.

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