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Winsome partners with multiple industry leaders to develop Carbon Sequestration Strategy

HIGHLIGHTS

- Winsome announces strategic partnership with Isometric to advance Carbon Dioxide Removal (CDR) technologies in its current and future mining activities.
- MOUs have also been signed with Arca Climate Technologies Inc, Exterra Carbon Solutions, and Aquarry, industry leaders in the development and implementation of CDR techniques, allowing the evaluation of multiple technologies which could be used at Renard.
- Initial efforts target industrial-scale carbon sequestration using processed material from the existing containment area at Renard to generate verified carbon credits.
- This project, being developed in partnership with Arca Climate and Exterra Carbon Solutions, aligns with Isometric's established protocols, demonstrating the potential of integrating CDR into prospective mining processes.
- Isometric's Monitoring, Reporting and Verification (MRV) frameworks position Winsome for participation in the Voluntary Carbon Market (VCM).
- Renard has the opportunity to become a global first in combining lithium production with large-scale carbon management.
- MOUs support the development of a decarbonisation roadmap (the Decarbonisation Strategy) for Renard, unlocking value through carbon credits and advancing global climate goals.

Lithium explorer / developer Winsome Resources (ASX:WR1; “**Winsome**” or “**the Company**”) is pleased to announce its intention to develop a Carbon Sequestration Strategy through a strategic partnership with Isometric, a global leader in Voluntary Carbon Markets (**VCMs**) and carbon credit verification.

The Company has also secured partnerships with industry leaders Arca Climate Technologies Inc., Exterra Carbon Solutions, and Aquarry for the development of Carbon Dioxide Removal techniques.

This collaboration marks the first phase of Winsome's Decarbonisation Strategy, with the ultimate aim of achieving both environmental and economic benefits whilst aiming to be an industry leader in sustainable mining practices.

WINSOME'S MANAGING DIRECTOR CHRIS EVANS SAID:

“The announcement to develop a Carbon Sequestration Strategy marks an important moment in Winsome's commitment to sustainability and innovation.”

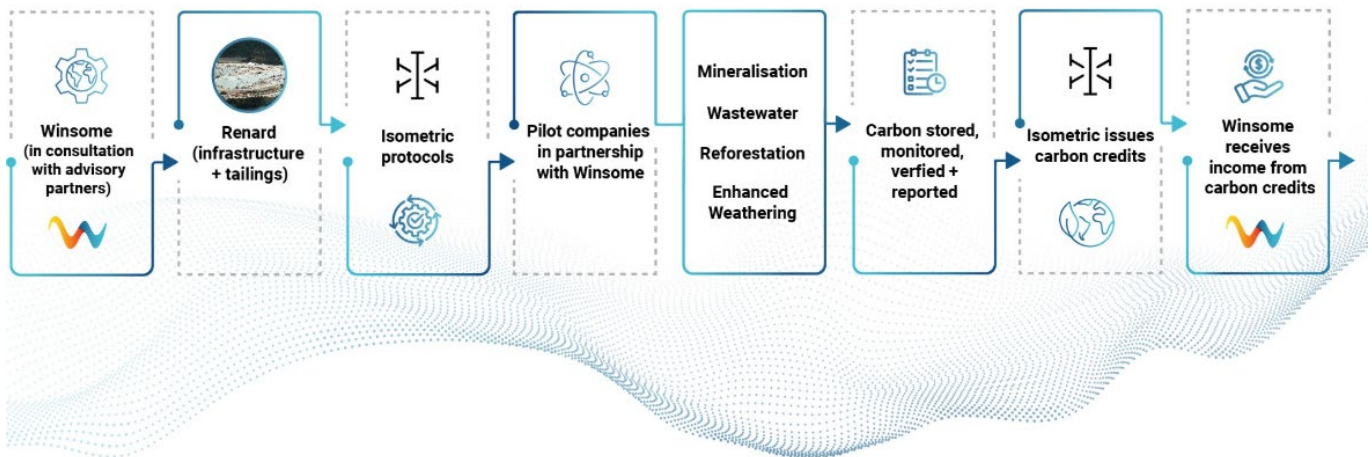
"Renard represents a unique opportunity to lower our carbon footprint and align environmental progress with economic growth. By leveraging the resources and facilities at Renard, we are advancing innovative carbon sequestration solutions transforming the way we approach resource management.

Exploring the integration of lithium processing with carbon sequestration allows us to create additional value - contributing to global climate goals, delivering local economic benefits and ensuring our operations set a new standard for sustainable resource development."

TRANSFORMING RENARD INTO A SUSTAINABILITY HUB



EXPLORING CARBON DIOXIDE REMOVAL (CDR) USING MINERAL-BASED TECHNOLOGIES.



Winsome Resources is exploring plans to establish the Renard Operation as a dual-use hub combining a transition to lithium production with groundbreaking carbon dioxide removal (**CDR**) technologies. This approach could potentially maximise the site's utility by leveraging existing and well-maintained infrastructure, repurposing processed materials currently stockpiled on site, and aligning environmental and economic goals. As previously announced, Winsome has an exclusive option to acquire the Renard Operation (the **Renard Option**) and these activities would be initiated following exercise of the option¹.

Through the MOUs announced today, Winsome aims to leverage Isometric's experience and expertise in CDR to explore solutions with industry-leading partners described below and evaluate the potential environmental and economic benefits. These benefits are in addition to the value created from repurposing the Renard Operation to produce spodumene concentrate as identified in the recent Scoping Study².

The initial technical review focuses on the processed kimberlite material rich in magnesium-bearing minerals such as olivine and serpentine and stored in an existing containment area at Renard. Magnesium-bearing minerals exposed at surface are relatively rare in a global sense, particularly where they are already crushed as at Renard. This processed kimberlite material naturally reacts with atmospheric CO₂ in a process called mineral carbonation, or "mineralisation"³, where carbon dioxide is absorbed and converted into stable mineral forms like magnesium carbonate and calcium carbonate.

¹ Refer ASX Announcements 3 April 2024 and 4 December 2024

² Refer ASX Announcement 17 September 2024

³ For avoidance of doubt the term "mineralisation" used here does not refer to "mineralisation" as defined in the JORC Code.

Isometric has already developed a protocol for this process, the Open System Ex-Situ Mineralisation (OSEM) protocol, which can be used to validate and verify the technique used by Winsome and its partners for mineralisation at Renard.

Another area of interest for Winsome’s partners is the previously mined R65 pit, where in-pit surface water is in contact with fresh kimberlite rock containing the same magnesium-bearing minerals (olivine and serpentine). Further aspects of the Renard site which could be utilised for CDR are illustrated in Figure 1.

Isometric’s globally recognised MRV frameworks will play a critical role in ensuring that, if pursued, carbon sequestration efforts at Renard meet the highest international standards. This partnership would enable Winsome and its collaborators to generate high-integrity carbon credits, pending the final decision on Renard.



Figure 1. Schematic view of the Renard site showing existing infrastructure and CDR techniques being investigated as part of the Decarbonisation Strategy.

Isometric

Isometric is a carbon registry aiming to rebuild trust in carbon markets so carbon removal can scale responsibly and fast. Isometric specialises in verifying and validating engineered CDR projects, producing Protocols used to quantify and deliver high quality carbon removal credits in the Voluntary Carbon Market (VCM). Isometric’s Registry Standard has been developed in line with ICVCM and ICROA requirements, thereby offering the credibility and certification Winsome requires as it investigates the Renard opportunity.

Renard’s existing infrastructure—including crushing circuits, water treatment facilities, and access to transportation networks—could be repurposed to support both lithium processing and carbon removal activities. This would reduce the environmental footprint of new construction while optimising operational efficiency during the future transition from diamond to lithium production contemplated in the Scoping Study.

Arca Climate Technologies Inc.

Arca Climate Technologies Inc's (**Arca**) technology portfolio accelerates the natural process of carbon mineralisation and transforms mine waste into valuable environmental assets. Co-founded by Dr. Greg Dipple, a geologist and professor at the University of British Columbia, Arca has become a world leader in carbon mineralisation innovation.



Figure 2. Arca scientists working with microwave activation technology accelerating carbon dioxide removal in mine waste at their Vancouver laboratory



Figure 3. Arca scientist works on an autonomous rover at a mine site in Australia.

The company has been recognised with several awards and is a finalist in the globally prestigious XPRIZE Carbon Removal competition. Arca has also attracted significant support from industry leaders and investors, including partnerships with global mining companies such as BHP and carbon purchase agreements with Shopify and Frontier Climate (a buyer's club of major corporations including JP Morgan, Alphabet, McKinsey and others). Arca is supported by non-dilutive grants and equity investments by the Grantham Foundation, Lower Carbon Capital, SDTC, NRC-IRAP, CICE, InBC and others. These achievements position Arca as a key player in durable CDR solutions. Arca is operating the world's first and only carbon mineralisation demonstration project at BHP's Mt Keith nickel mine in Western Australia.

Under the MoU with Winsome, Arca's will be drawing from its portfolio of technologies to investigate Air-to-Rock Carbon "Mineralisation" in magnesium-rich ultramafic mine tailings. This process will remove atmospheric carbon dioxide safely and permanently while generating carbon credits.

Exterra Carbon Solutions

Exterra Carbon Solutions (**Exterra**) has developed and is scaling technology transforming mine waste into multiple revenue streams while enabling large-scale carbon storage. At the core of Exterra's approach are two proprietary technologies: the Low-carbon Oxide from Waste (LOW™) and Reactive Oxide to Carbonate (ROC™) technologies. At Exterra's Hub I project, it uses its LOW™ technology to extract low-carbon metal oxides and valuable byproducts from serpentine-bearing mine tailings and then, using its ROC™ technology, transform the metal oxides into durable carbonate minerals.

Exterra's partnership with Winsome will focus on evaluating the use of mineral waste for carbon removal or reduction activities in Quebec. Exterra is already active in Quebec, having successfully raised over CAD\$11 million, with contributions from Investissement Québec, as well as the Provincial and Federal Governments. This achievement is further underscored by the support of Frontier Climate through a prepurchase agreement, showcasing strong confidence in the durability and scalability of Exterra's innovative carbon removal solutions.

CEO of Exterra Olivier Dufresne said:

"The mineral waste at the Renard site could play a significant role in in CDR activities and in reducing greenhouse gases from future LNG combustion on site. Exterra's ROC™ technology has the potential to be a key component in helping Winsome achieve its decarbonisation objectives in Quebec and beyond."

"By combining cutting-edge technology with strategic collaboration, we're unlocking the potential of ultramafic waste not just for carbon storage, but for comprehensive the decarbonisation strategies industries need today."

Aquarry

Aquarry specialises in converting flooded open pit mines (referred to as pit lakes) into carbon sinks. Its innovative processes increase alkalinity, enabling these water bodies to absorb CO₂ from the atmosphere and ultimately store it in mineral form on the lakebed. The process is durable, low cost, measurable, and doesn't disrupt active mining operations. Aquarry has received funding from Deep Science Ventures, the Grantham Foundation for the Protection of the Environment, the JLL Foundation, the US Department of Energy, and other private investors. It has also secured a prepurchase agreement from Milkywire, reflecting the high potential of the technology to resolve many of the barriers to scaling inherent in other CDR technologies.

Aquarry will work with Winsome to demonstrate and optimise two key aspects of its technology. First is surface water mineralisation, the use of pit lakes for absorption of CO₂ and conversion of the CO₂ into

stable minerals. Second is mine reclamation, in which open pit mines are passively backfilled with CO₂ - containing minerals while improving or maintaining good water quality.

CEO of Aquarry Dr. Kate Murphy said:

“Winsome’s embrace of CDR is a game-changer for the mining industry, which is under increasing pressure to decarbonise.

“The use of mineral waste streams for CDR is an enormous, largely untapped opportunity for mining companies to either inexpensively reduce their emissions or generate additional revenue streams from the sale of materials or carbon removal credits.”

Next Steps

Planning and studies under the recently signed MOUs are focused on developing a CDR and decarbonisation roadmap for the Renard Operation, with the potential to extend these initiatives to the Adina site as it is developed. This move would position the Renard Operation as a dual-purpose hub for both lithium production and carbon management once Winsome exercises the Renard Option, potentially making it one of the first operations globally to deploy large-scale Carbon Dioxide Removal (CDR) technologies in parallel with mining activities. These efforts are planned to be aligned with international sustainability standards and therefore have the potential to unlock additional value through verified carbon credit, as well as positioning the Company for various incentives such as government grants, tax incentives, and climate-focused investment.

With the announcement of Renard as a potential future Carbon Dioxide Removal (CDR) hub, Winsome Resources is poised to investigate the integration of Carbon Capture, Utilisation, and Storage (CCUS) tax credits, which could range from 37.5% to 60% of money spent depending on the activity and timeline. These credits may align with the company's clean technology goals, paralleling the approach used for Clean Technology Mineral (CTM) credits. Winsome aims to evaluate how these federal incentives can apply to payments under the option agreement, future obligations to Stornoway, and ongoing maintenance.

The Company and its technology partners will work through operational data from Renard and conduct initial testwork on materials such as the processed kimberlite and in-pit waste to confirm the suitability for the CDR techniques outlined above. Results of this testwork will enable the CDR processes to be designed and costed in detail allowing their viability to be assessed.

Further announcements regarding partnerships and ongoing work are anticipated in the coming months. Winsome remains committed to advancing its sustainability initiatives while delivering long-term value for all stakeholders.

For carbon or partnership enquiries, please email carbon@winsomerresources.ca

This announcement is authorised for release by the Board of Winsome Resources Limited.

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ABOUT WINSOME RESOURCES

Winsome Resources (ASX:WR1) is a Canadian lithium focused exploration and development company with several projects in the Eeyou Istchee James Bay region of Québec.

Our flagship project is Adina - a 100%-owned lithium resource considered a tier-one asset in a low-risk mining jurisdiction and one of the most capital efficient projects in North America with competitive operating costs.

The hard rock spodumene lithium deposit is near surface with a +20-year project life and a JORC Mineral Resource of 78Mt at 1.15% Li₂O comprising 79% classified as 'Indicated' and 21% classified as 'Inferred'.

The Company recently acquired an exclusive option to purchase the Renard Operation, a mining and processing site located approximately 60 kilometres south (in a straight line) of Adina.

The Renard Operation has an established airport, power station, water treatment plant, workshops, processed mineralised material storage and a substantial camp. It also has several mineral processing and operating permits which may advance Winsome's pathway to lithium production.

Importantly, Renard already includes extensive production facilities which consists of a primary jaw crusher, secondary cone crusher, high-pressure grinding rolls, ore sorting, and DMS circuits necessary for lithium processing and spodumene concentrate production.

In addition to our portfolio of lithium projects in Québec - Adina, Cancet, Sirmac-Clapier and Tilly - Winsome Resources owns 100% of the offtake rights for lithium, caesium and tantalum from the Case Lake Project in Eastern Ontario, owned by Power Metals Corp (TSXV:PWM), as well as a 19.6% equity stake in PWM.

Winsome is led by a highly qualified team with strong experience in lithium exploration and development as well as leading ASX listed companies. More details: www.winsomerresources.com.au

CAUTION REGARDING FORWARD-LOOKING INFORMATION

This document contains forward-looking statements concerning Winsome. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of, the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory, including environmental regulation and liability and potential title disputes.

Forward-looking statements in this document are based on the Company's beliefs, opinions and estimates of Winsome as of the dates the forward-looking statements are made, and no obligation is assumed to update forward-looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

PREVIOUSLY ANNOUNCED EXPLORATION RESULTS

Winsome confirms it is not aware of any new information or data which materially affects the information included in the original market announcements referred to in this announcement. Winsome confirms the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.