



SHARC Energy's Carbon Neutral District Energy System A Key Component of leləm Development in the University Endowment Lands

VANCOUVER, British Columbia, Aug. 16, 2021 (GLOBE NEWSWIRE) -- **SHARC International Systems Inc. (CSE: SHRC) (FSE: IWIA) (OTCQB: INTWF) ("SHARC Energy" or the "Company")** is pleased to announce its involvement in [leləm](#), a master planned community in the University Endowment Lands developed by [Musqueam Capital Corporation](#). The development's heating and cooling needs will be met by utilizing a SHARC low-carbon wastewater energy exchange system as part of a centralized energy facility.

The project's wastewater will collect and pass through the SHARC system, allowing for the reuse of thermal energy that would otherwise be lost to the sewer lines. By using wastewater as an energy source, the project will significantly improve the energy efficiency and reduce the carbon emissions of the community for its lifetime.

Situated on the western edge of the City of Vancouver, the 22-acre leləm development is bounded by the University Golf Course, Pacific Spirit Park, and the University of British Columbia. leləm, meaning home in hən'əpmin'əm, the language of Musqueam people, reunites the north and south of Pacific Spirit Park with a new forest heart, a brand-new community centre for the University Endowment Lands, a daycare centre and a contemporary village set amidst towering trees and walking trails, weaving multi-family living and a retail and gathering hub into a natural landscape.

"We are proud to be putting in a truly groundbreaking carbon neutral district energy system in some of the most pristine environment in the world," says Lynn Mueller, CEO of SHARC Energy. "Being in harmony with nature is a key objective for SHARC Energy."

"Musqueam Capital Corporation is pleased to partner with SHARC to construct a sewage heat recovery plant to provide sustainable energy to 1,200 residential units planned at leləm development. Employment of this type of technology is consistent with Musqueam's cultural values founded on stewardship of the natural world," says Babu Kadiyala, VP Real Estate of Musqueam Capital Corporation.

The development is consistent with the recommendations of the [United Nations Environment Programme \(UNEP\) which has identified low carbon district energy systems](#) as a best practice to addressing the global climate challenge. The report states a transition to such systems, combined with energy efficiency measures, could contribute as much as 58 per cent of the carbon dioxide (CO₂) emission reductions required in the energy sector by 2050 to keep global temperature rise to within 2-3 degrees Celsius.

District energy systems utilizing wastewater energy like the leləm project will benefit from significant carbon savings, energy efficiency and freshwater savings compared to current standards. As witnessed by the recent heat waves in British Columbia, balancing both heating and cooling loads globally is critical. Wastewater based district energy systems have the ability to provide consistent year-round environmental and operating efficiencies to both heating and cooling loads.

The system is anticipated to be delivered and installed in Q1 2022.

About SHARC Energy

SHARC International Systems Inc. is a world leader in energy recovery from the wastewater we send down the drain every day. SHARC Energy's systems recycle thermal energy from wastewater, generating one of the most energy efficient and economical systems for heating, cooling & hot water production for commercial, residential and industrial buildings.

SHARC Energy is publicly traded in Canada ([CSE: SHRC](#)), the United States ([OTCQB: INTWF](#)) and Germany ([Frankfurt: IWIA](#)) and you can find out more on our [SEDAR](#) profile.

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ON BEHALF OF THE BOARD

[Lynn Mueller](#)

Chairman and Chief Executive Officer

For investor inquiries, please contact:

[Hanspaul Pannu](#)

Chief Financial Officer

SHARC Energy

Telephone: (604) 475-7710 ext. 4

Email: hanspaul.pannu@sharcenergy.com

For media inquiries, please contact:

[Mike Tanyi](#)

Director of Marketing and IT

SHARC Energy

Telephone: (604) 475-7710 ext.109

Email: mike.tanyi@sharcenergy.com

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