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**LONSDALE ENERGY CORPORATION TO SELL RECOVERED HEAT
FROM THE NEW NORTH SHORE WASTEWATER TREATMENT PLANT**

Lonsdale Energy Corporation (LEC) and Metro Vancouver's Greater Vancouver Sewerage and Drainage District (GVS&DD) have finalized an agreement for the sale of effluent heat recovered from the new North Shore Wastewater Treatment Plant, currently under construction at Pemberton Avenue and West 1st Street.

The new heat recovery facility will capture thermal energy from treated sewage, for use as an alternative energy source that replaces natural gas, providing space and domestic hot water heating to LEC customers across the City of North Vancouver.

"Of all the awards and achievements the Lonsdale Energy Corporation has enjoyed since its inception, this partnership and the benefits it will deliver to our environment, is the most significant," says LEC Director, City of North Vancouver Councillor Rod Clark. "This unique use of waste heat will greatly reduce greenhouse gas emissions in our community. The excess heat in treated sewage would otherwise be released into the ocean."

The heat recovery facility is projected to reduce greenhouse gas emissions by 7,200 tonnes per year by reducing LEC's usage of natural gas for the purpose of generating heat.

"Capturing 'green' energy in the form of heat that would otherwise be wasted enables us to reduce our carbon footprint while deriving a tremendous benefit in the form of sustainable energy," says Greg Moore, Chair, MVRD Board. "Metro Vancouver is committed to become carbon neutral and the GHG reduction credits resulting from this heat recovery project will enable the liquid waste utility to achieve this environmental milestone."

GVS&DD will fund the construction costs of \$17.9 million for the heat recovery plant (\$6.9 million including Provincial and Federal Grants), while LEC will install heat distribution piping that will transfer the heat from the plant to LEC's district energy system at a cost of

\$3.5million. LEC will also cover all future operating and maintenance costs.

LEC currently uses alternative sources of energy including solar panels, geoexchange and heat recovery from cooling equipment. This new green source of energy will further reduce greenhouse gas emissions.

“The design for the new facility illustrates Metro Vancouver’s commitment to creating a plant that is a valuable community asset, uses liquid waste as a resource and better protects the Burrard Inlet by recovering resources from the treatment process,” continues Moore.

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Metro Vancouver

Metro Vancouver is a federation of 21 municipalities, one Electoral Area and one Treaty First Nation that collaboratively plans for and delivers regional-scale services. Its core services are drinking water, wastewater treatment and solid waste management. Metro Vancouver also regulates air quality, plans for urban growth, manages a regional parks system and provides affordable housing. The regional district is governed by a Board of Directors of elected officials from each local authority.

Lonsdale Energy Corporation

Wholly-owned by the City of North Vancouver and established in 2003, the Lonsdale Energy Corporation (LEC) is an award winning district energy system. LEC provides dependable, clean, and competitively priced energy to 70 buildings across the City. LEC’s serves 5.3 million square feet of various building types, including more than 4,500 residential suites as well as numerous commercial and institutional premises such as the Hope Centre, Pinnacle Hotel, Queen Mary School and the School District 44 offices. For more information about LEC, visit www.LonsdaleEnergy.ca