

Eastern Shore Microbes Working With NRG to Potentially Enhance Evaporation at HMN Project

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VANCOUVER, Jan. 31, 2019 - NRG Metals Inc. ("NRG" or the "Company") (TSX-V: NGZ) (OTCQB: NRGMF) (Frankfurt: NRG) is pleased to announce it is working with Eastern Shore Microbes (E.S.M.) of Virginia, USA, to evaluate the potential for enhanced evaporation characteristics of lithium brine at the Hombre Muerto North Lithium Project (H.M.N.) located in Salta and Catamarca Provinces, Argentina.

E.S.M. is developing Halophilic Evaporative Applications Technology (H.E.A.T.) The process has been utilized to evaporate clean brines from curing cattle hides and E.S.M. is currently using their collection of over 1300 microbes to adapt the technology to potentially enhance and shorten the production cycle of lithium from brines. Testing will be conducted over the coming weeks on brine samples from the HMN project at the E.S.M. laboratory in Belle Haven, Virginia.

E.S.M. is headed by Dr. Russell Vreeland. Dr. Vreeland is an expert in the microbial ecology of saline environments. He is a co-discoverer of the world's oldest known bacteria, the 250 million year old *Virgibacillus* strains, extracted from ancient salt deposits found deep in a salt mine outside Carlsbad NM. He has also isolated living microbes from salt cores in Brazil and the first DNA from 412 million year old salt from a Detroit Mine.

The Company is also in discussions with two developers of alternative extraction technologies. NRG is committed to evaluating all aspects of potential lithium production including those that may allow for a shortened production cycle.

NRG recently filed a report titled "Initial Measured Lithium and Potassium Resource Estimate Hombre Muerto North Lithium Project and Catamarca Provinces, Argentina." The report was completed in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects, on behalf of the Company by independent consultants Montgomery and Associates, of Santiago, Chile. The report identifies 571,000 tonnes of Lithium Carbonate Equivalent at a grade of 756 parts per million lithium in the combined Measured and Indicated categories, with a low magnesium to lithium ratio of 2.6 to 1.0 (October 3, 2108 present) that will be used in the completion of the PEA.

The HMN Project is strategically located in the Hombre Muerto Salar, an area of active lithium production by FMC at the existing lithium mine, some 12 kilometers south of the project area. The project is surrounded by ground now owned by POSCO, a South Korea based lithium producer, as a result of its US\$ 280 million purchase of the area from [Galaxy Resources Ltd.](#), an Australian lithium producer. Galaxy is also moving their portion of the Hombre Muerto Salar, the Sal de Vida Project, to lithium production.

On behalf of the board of directors of [NRG Metals Inc.](#):

Adrian F. C. Hobkirk,
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