



Vortex Energy Collaborates with NRCan For Underground Hydrogen Storage Research and Salt Core Storage

NRCan to perform research and undertake testing involving Vortex's salt core from Hole 1 and Hole 3 while core is stored for 2 years.

October 2, 2024

Vancouver, British Columbia — Vortex Energy Corp. (CSE: VRTX | OTC: VTECF | FRA: AA3) ("**Vortex**" or the "**Company**") is pleased to announce the Company has executed a hydrogen storage research and salt core storage agreement with National Research Canada ("**NRCan**"). Approximately 118 meters of salt core from the VTX-West-23-1 core hole and 279 meters of salt core from the VTX-24-3 core hole (collectively, the "**Salt Core**") will be stored at the NRCan Geological Survey of Canada facility, located in Calgary, Alberta, for a period of two years. Vortex has informed the Energy Regulator of Newfoundland and Labrador about the temporary core storage and ongoing research being conducted by NRCan and received approval for these storage and research activities.

While storing the Salt Core, NRCan will perform research and undertake testing involving the Salt Core to support its project, titled "Geoscience in Support CSA Z341 Updates for Underground Hydrogen Storage," which involves a comprehensive Canada-wide assessment of halite salt formations with the aim of enabling the safe and long-term storage and withdrawal of hydrogen gas from caverns developed from these salt formations.

During the storage period, the University of Alberta ("**U of A**") will have access to selected Salt Core to conduct mineralogical analysis, proof of concept experiments and simulation studies on the selected Salt Core. On April 29, 2024, Vortex's collaboration with the U of A received Alberta Innovates Funding totaling \$1.2 million for the project titled "Field Trial of Hydrogen Storage in Canadian Domal and Bedded Salts".

Paul Sparkes, Chief Executive Officer of Vortex commented, "We are pleased to collaborate with NRCan and the U of A on research into hydrogen storage in salt caverns. We hope that this collaboration will help further their research and help us better understand the potential for our Robinsons River Salt Project."



Figure 1: Core Photograph of Drill Hole VTX-24-3



Figure 2: Core Photograph of Drill Hole VTX-24-3

Qualified Person

The technical content of this news release has been reviewed and approved by Piotr Kulkialka, P.Geol, who is a consultant to the Company and is a "Qualified Person" as defined by National Instrument 43-101.

About Vortex Energy Corp.

Vortex Energy Corp. is an exploration stage company engaged principally in the acquisition, exploration, and development of mineral properties in North America. The Company is currently advancing its Robinsons River Salt Project comprised of a total of 942 claims covering 23,500 hectares located approximately 35 linear kms south of the town of Stephenville in the Province of Newfoundland & Labrador. The Robinsons River Salt Project is prospective for both salt and hydrogen salt cavern storage. Vortex also holds the Fire Eye Project, which is located in the Wollaston Domain of northern Saskatchewan, Canada.

On Behalf of the Board of Directors

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Cautionary Note Regarding Forward-Looking Statements

Certain statements contained in this press release constitute forward-looking information. These statements relate to future events or future performance. The use of any of the words "could", "intend", "expect", "believe", "will", "projected", "estimated" and similar expressions and statements relating to matters that are not historical facts are intended to identify forward-looking information and are based on the Company's current beliefs or assumptions as to the outcome and timing of such future events. In particular, this press release contains forward-looking information relating to, among other things, NRCAN and the U of A's research and testing activities utilizing the Salt Core, including that these activities will occur and the aim of these activities.

Various assumptions or factors are typically applied in drawing conclusions or making the forecasts or projections set out in forward-looking information, including, in respect of the forward-looking information included in this press release, that NRCAN and the U of A will conduct the research and testing activities utilizing the Salt Core in the manner currently anticipated and that these activities will achieve the desired outcomes.

Although forward-looking information is based on the reasonable assumptions of the Company's management, there can be no assurance that any forward-looking information will prove to be accurate. Forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include the risk that testing and research involving the Salt Core does not proceed in the manner currently anticipated by the Company, or at all; the risk that testing and research involving the Salt Core may be unsuccessful or fail to achieve the results

anticipated by the Company, NRCan or the U of A. The forward-looking information contained in this release is made as of the date hereof, and the Company not obligated to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by applicable securities laws. Because of the risks, uncertainties and assumptions contained herein, investors should not place undue reliance on forward-looking information. The foregoing statements expressly qualify any forward-looking information contained herein.

The Canadian Securities Exchange (CSE) has not reviewed, approved, or disapproved the contents of this press release.