AmmPower Corp. Engineering Lab Demonstrates 100 Watts of Power from Ammonia Powered Hydrogen Fuel Cell

August 3rd, 2022

Toronto, ON – AmmPower Corp. (CSE: AMMP) (OTCQB: AMMPF) (FSE: 601A) (the "Company" or "AmmPower") is pleased to announce the successful demonstration of ammonia cracking from the AmmPower Engineering Lab, located near Detroit, Michigan.

The Company's mission is to provide clean energy to the world through green ammonia. This requires the development of ammonia synthesis as well as ammonia decomposition technologies. AmmPower is working to provide solutions in both areas.

Ammonia decomposition, or ammonia "cracking", is the process of splitting ammonia back into its elements: hydrogen and nitrogen. AmmPower's ammonia cracking system successfully achieved close to 100% conversion as indicated by an NDIR (nondispersive infrared) gas detector. The observed ammonia concentration in the hydrogen produced was less than 0.1 ppm (parts per million). The "cracked" hydrogen was then used in a proton exchange membrane (PEM) fuel cell, producing up to 100W of electricity. For demonstration purposes, the Company used the electricity to power an LED light.

Figure 1. AmmPower's chemical engineers power an LED light using the electricity from a PEM fuel cell with hydrogen created through the decomposition of ammonia.

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AmmPower's Chief Technologist, Dr. Zhenyu Zhang, states, "AmmPower's ammonia cracking system provides an efficient solution for producing low-cost green hydrogen and electricity. In light of many market needs, we are actively planning scaled-up demonstrations for the near future."

On Behalf of the Board of Directors
Gary Benninger
Chief Executive Officer

About AmmPower

AmmPower is a clean energy company focused on the production of green ammonia. The Company is based in Toronto, Ontario, with a research and manufacturing facility in Southeast Michigan. The company is active in all facets of green ammonia production, including the production of green fertilizers, carbon free shipping fuel, and the 'cracking', or moving of green hydrogen as ammonia. The company is working on the development of proprietary technologies to produce green ammonia and green hydrogen at scale, including the investigation of unique catalytic reactions to bring down costs and to take advantage of carbon credits in the renewable energy space. AmmPower currently holds several LOIs with ports in Brazil, the United States, and is currently completing its IAMM™ prototype to create green ammonia for the agricultural industry. The company also holds a lithium exploration property in the James Bay/Eeyou Istche region of Quebec and an option on the Titan Property located in Klotz Lake area in Northwestern Ontario.

For More Information please visit:
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Forward-Looking Statements

This news release includes forward-looking statements that are subject to risks and uncertainties, including with respect to the Company's development of ammonia synthesis, development of ammonia decomposition technologies and ability to perform further scaled-up demonstrations. The Company provides forward-looking statements for the purpose of conveying information about current expectations and plans relating to the future and readers are cautioned that such statements may not be appropriate for other purposes. By its nature, this information is subject to inherent risks and uncertainties that may be general or specific and which give rise to the possibility that expectations, forecasts, predictions, projections, or conclusions will not prove to be accurate, that assumptions may not be correct, and that objectives, strategic goals and priorities will not be achieved. These risks and uncertainties include but are not limited those identified and reported in the Company's public filings under the Company's SEDAR profile at www.sedar.com. Although the Company has attempted to identify important factors that could cause actual actions, events, or results to differ materially from those described in forward-looking information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate as actual results and future events could differ materially from those anticipated in such statements. The Company disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise unless required by law.

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

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