



## NEWS RELEASE

# Alkaline Fuel Cell Power Corp. Commences Testing of Next-Generation Power Units with Gaskatel GmbH

- *German-based Gaskatel is a leading provider of testing, measurement and analytics for electrochemistry projects that embody physics, chemistry and process engineering*
- *AFCP and Gaskatel's collaboration will also ensure processes have high integrity and optimal performance*

Vancouver, British Columbia, September 9, 2021 – **Alkaline Fuel Cell Power Corp.** (NEO: PWWR) (Frankfurt: 77R, WKN: A3CTYF) ("**AFCP**" or the "**Company**"), an organization commercializing next-generation alkaline fuel cell heat and power systems for residential, industrial and commercial markets worldwide, is pleased to announce the signing of a Letter of Understanding (LOU) with Gaskatel GmbH ("**Gaskatel**"), one of the world's leading authorities on electrode research and development, to undertake third party, go-forward testing of AFCP's hydrogen-powered alkaline fuel cell product.

Founded in 1997, Gaskatel's team of physicists, chemists, engineers and lab staff are focused on the development, manufacture and sale of different types of electrodes and sensors, including hydrogen reference electrodes and hydrogen pH electrodes. By undertaking precision analytical measurements, Gaskatel strives to identify and map out a full-cycle solution to address its clients' challenges. Gaskatel offers expertise in, and accessibility to, electrochemical test equipment, gas diffusion electrodes, fuel cells, and electrolyzers.

"Securing this collaboration with Gaskatel is a critical milestone on the path to commercialization of our next-generation alkaline fuel cell system, designed to generate clean electrical power and heat with zero CO<sub>2</sub> emissions and pure water as the only by-product," said Jef Spaepen, CEO of AFCP. "In addition, management of AFCP brings prior success commercializing earlier-staged versions of this technology, supporting our ability to efficiently advance development of this important and cost-effective clean energy solution."

While management of AFCP has previously commercialized and deployed similar iterations of its signature Alkaline Power System, the Company's advanced third generation system, for residential and small to medium-sized power markets, including modular combination units utilized for maritime power storage and generation, the Gaskatel collaboration will focus on positive enhancements to its next-generation technology, including optimization of the unit's size, maintaining relatively silent operation and overall high efficiency.

AFCP will leverage the expertise and many years of experience provided by Gaskatel's global leadership in this area as the companies jointly undertake durability and benchmark testing of the product in order to improve on existing patented technologies and systems. By working alongside Gaskatel's technical team, AFCP's skilled technical staff will incorporate novel approaches to optimize performance. Through smart design and planning in collaboration with Gaskatel, AFCP expects to combine its own highly efficient and effective manufacturing protocols with those of Gaskatel. Through this collaboration, AFCP is setting the stage to achieve cost-effective, high-volume production of its innovative alkaline fuel cell system.

**About Alkaline Fuel Cell Power Corp.**

The Company is focused on the development and production of micro-combined heat and power (“micro-CHP”) systems based on alkaline fuel cell technology. A fuel cell is a clean electrical power conversion/generation system, akin to small power stations that provide electricity and an equivalent amount of heat for various purposes. Based on hydrogen powered alkaline fuel cell technology, our technology offers an energy source that generates zero CO<sub>2</sub> emissions with pure water as the only by-product, making it ideally suited for residential and small- to medium-sized power markets. We believe Fuel Cell Power is well positioned to become a positive contributor to the global demand for clean energy, particularly in Europe where demand outpaces supply, and current technology remains inadequate to meet market needs. Further information is available on our website at <https://www.fuelcellpower.com/> and on our SEDAR profile at [www.sedar.com](http://www.sedar.com). We encourage investors and other interested stakeholders to follow us on LinkedIn, Twitter, Facebook and Instagram. Our common shares are listed for trading on the NEO Exchange (“NEO”) under the symbol “PWWR” and on the Frankfurt Exchange under symbol 77R and WKN A3CTYF.

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