



## ASX ANNOUNCEMENT

30 January 2019

### OHD PROJECT UPDATE

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Greenpower Energy Limited (ASX:GPP, Greenpower) is pleased to provide an update to the OHD project.

The strategic review continued on commercialisation pathways for OHD with a focus on agricultural biostimulants. The review includes the option to supplement our product offering with patentable coal fertiliser blends. Discussions also commenced with Thermaquatica on varying the current Licence Agreement to enhance commercialisation.

The current program of trials being undertaken by Monash University have been completed with positive results:

- Field trials on soil-grown processing tomatoes – a trend of increased tomato yield and reduced bottom-end-rot was identified at the Mitiamo trial site
- Field trials on wheat – despite being severely impacted by extreme weather conditions at the Yarrowonga trial site, indications were that OHD may increase wheat yield, supporting previous positive test results and may improve crop stress tolerance by retaining plant greenness for longer

In the next quarter, there will be testing on herbicide effectiveness with OHD and planning for further crop tests during 2019.

Production facility costings were completed for a range of production levels ranging from 1 to 20 million litres per year of OHD liquid with high-level economics being positive. Thermaquatica also completed a study on optimising oxygen levels for the OHD process, utilising the existing Process Demonstration Unit at Southern Illinois University.

**\*\*\*ENDS\*\*\***

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### **About Greenpower Energy**

Greenpower Energy identified Battery Minerals such as Cobalt and Vanadium as high demand/high price minerals for the decades ahead, as the growth in Electric Vehicles and Batteries accelerates globally. Greenpower's vision is to successfully explore and develop its core Cobalt and Vanadium projects, providing outstanding opportunity for shareholders to take part in the global appreciation of these key global metals of the future. Greenpower is focused on developing a number of Cobalt, Copper and Vanadium projects in Western Australia and North Queensland. Concurrently Greenpower is continuing efforts to commercialise its patented OHD Coals to Liquid Project via a strategy of partnership and co-development opportunities.

### **About Thermaquatica**

Thermaquatica is commercialising a proprietary and patented technology for processing biomass (including agricultural wastes), coal, oil sands, and oil shales to high value platform chemicals and liquid fuels. The method, known as Oxidative Hydrothermal Dissolution (OHD) is simple, using only hot (subcritical) liquid water and oxygen to break down these macromolecular organic materials into their constituent aromatic and aliphatic compounds. The OHD process can also be used for environmental remediation of organic-containing sites, such as oil sands tailings and coal waste ponds.

Thermaquatica's goal is to use OHD technology to produce chemicals similar or identical to petroleum-derived products, using low-cost alternative raw materials such as waste biomass or coal. The resulting products can be sold as fine chemicals, used in manufacturing of biodegradable plastics and polymers, and/or converted to liquid fuels. [www.thermaquatica.com](http://www.thermaquatica.com)