



## Development update: Hydrogen-fuelled waste collection truck with JJ's Waste and Recycling

Development and construction of Pure's hydrogen fuel cell (HFC) powered waste removal truck for JJ's Waste and Recycling – one of the first of its kind in Australia – is nearing completion

JJ's Waste & Recycling is one of Australia's largest waste management companies with a fleet of ~2,000 waste collection trucks; successful trial provides the catalyst for transition of the fleet from ICE (Internal Combustion Engine) to HFC vehicles

The body of the HFC waste removal truck is being fitted out by Bucher Municipal in Australia, a division of the global Swiss engineering conglomerate Bucher Industries

Extensive testing was carried out to meet the national standards for road vehicle safety in accordance with the designated Australian Design Rules (ADR) for the manufacture of new road vehicles in Australia

Once completed, Pure will commence a 12-month trial with JJ's Waste & Recycling, followed by a roadshow to showcase the vehicle's attributes for industry participants in the waste management sector

The Company has noted ongoing significant interest across international markets among established businesses in the waste management and transport industries to transition away from conventional ICE powered vehicles in favour of HFC vehicles

**Sydney, 20 October 2023:** Australian clean energy company Pure Hydrogen Corporation Limited (ASX: PH2 or 'Pure Hydrogen') is pleased to provide an update on the build and delivery of a specialist hydrogen-powered waste removal truck for one of the leading Australian waste management business, JJ's Waste & Recycling

The vehicle is almost ready for operations following an extensive testing and design phase that was carried out in accordance with Australian Design Rules (ADR) – the national standards for road safety that are administered by the Australian Government under the Road Vehicle Standards Act (2018).

The vehicle has successfully passed the criteria for all relevant safety and design standards such as braking, cornering and acceleration, with final approval from the government expected in the coming weeks. Following completion of ADR testing, component parts for the body of the truck are currently being installed and fitted by the Australian division of multinational Swiss engineering group Bucher Industries.

The manufacture of Australia's first hydrogen fuel cell refuse collection vehicle is the result of a successful co-development partnership between Pure Hydrogen and JJ's Waste and Recycling, one of the largest waste management companies in Australia with a fleet of more than 2,000 trucks (*refer ASX Announcement 21 March 2022*).

The parties will undertake a maiden trial, expected to commence in a few months, to determine the effectiveness of the truck along with a practical framework for refueling. In accordance with the development plan set out in the Term Sheet, hydrogen for refueling will be supplied by Pure.

If the trial is successful, the Term Sheet also stipulates that JJ's Waste & Recycling has the option to acquire additional hydrogen fuel cell vehicles and lower the overall carbon footprint of their waste management vehicle fleet. Upon completion of the trial, which is expected to run for 12 months, Pure Hydrogen will initiate a roadshow to demonstrate the vehicle's use-case and operational capacity for investors and industry participants in the waste management and recycling sectors.



**Image 1: An aerial image of Pure's first hydrogen fuel cell waste collection vehicle, which is now being fitted with refuse collection components by Bucher Municipal.**

The delivery of the hydrogen-powered waste collection vehicle follows the successful launch of the Taurus truck, Australia's first hydrogen-powered prime mover vehicle which was manufactured by Pure for global food & beverage conglomerate, PepsiCo.

Pure Hydrogen has placed significant focus on the waste management sector and sees considerable scope for growth here. Alongside its agreement with JJ's Waste & Recycling, Pure Hydrogen has also executed a Term Sheet for the provision of a Hydrogen Fuel Cell waste collection truck to Solo Resource Recovery – a waste management company that provides kerbside waste collection services for over 1.2 million bins per week across Australia (*refer ASX Announcement August 10 2023*)

As a first-mover in the global market for the use of HFC technology in heavy vehicle industries, Pure Hydrogen has also continued to register interest from industry participants across international markets. With the ongoing development of its IP with respect to the manufacture and assembly of HFC vehicles, the Company will continue to monitor opportunities development partnerships in global markets.



**Image 2: Another view of Pure's first hydrogen fuel cell waste collection vehicle.**

**Comment: Pure Hydrogen's Managing Director Scott Brown said:**

*"We believe there is a huge market for clean Hydrogen Fuel Cell Garbage Trucks not only in Australia but throughout the world. We are very pleased to build a hydrogen fuel cell refuse collection vehicle for JJ's Waste & Recycling- one of the first of its kind in Australia. The truck has been manufactured in accordance with stringent Australian Design Rules, and has successfully met all of the relevant performance and safety criteria over the course of an extensive testing process. The assembling of final components by Bucher Industries demonstrates the capacity of Pure to coordinate multiple manufacturing partners and the design and construction of these state-of-the-art hydrogen vehicles."*

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This announcement has been authorised by the Managing Director of Pure Hydrogen Mr Scott Brown.

Or visit the website: [www.purehydrogen.com.au](http://www.purehydrogen.com.au)

#### **About Pure Hydrogen Corporation Limited**

Pure Hydrogen is a clean energy-focused company seeking to become the leader in the development of Hydrogen and Energy Projects through the use of cutting-edge technology processes. It plans to supply hydrogen fuel to both Australian customers and regional Asia Pacific markets, through the production of Green, Emerald, and Turquoise Hydrogen. Concurrently, the Company is developing natural gas projects directly in Australia and Botswana and through a strategic investment it holds in a Botswana- focused energy company listed on the Australian Securities Exchange.

Strategically, Pure Hydrogen will also prioritise incubation for early-stage companies or projects within the clean energy sector, with the aim of realising profits from those investments.

For further details [www.purehydrogen.com.au](http://www.purehydrogen.com.au)