



## Pure Hydrogen and Waste Management Company Solo commits to hydrogen powered waste collection vehicle trial

- Pure Hydrogen has received an executed term sheet from waste management company Solo Resource Recovery for the supply of a hydrogen fuel cell ('HFC') powered waste collection vehicle, to be trialled within its business operations for a period of six-months
- Pure Hydrogen will deliver maintenance services and supply hydrogen fuel during the trial period
- Upon expiry of the six-month trial commencing in 2024, Solo has the option to extend its lease on the trial vehicle and accept additional HFCEV waste collection trucks
- Depending on the outcome of the trial, further waste collection vehicles may be progressively deployed across Solo's extensive New South Wales, Victorian, South Australian and Western Australian operations
- Pure Hydrogen have now signed Term Sheets with multiple parties where the total quantity of potential HFC trucks to be supplied is greater than 100 assuming successful trials.

**Sydney, 10 August 2023:** Australian clean energy company Pure Hydrogen Corporation Limited (**ASX: PH2** or 'Pure Hydrogen') is pleased to announce it has executed a term sheet ('the agreement') for the provision of a Hydrogen Fuel Cell ('HFC') waste collection truck for Australian waste management company Solo Resource Recovery ('Solo') to service their Municipal contracts including Tweed Shire Council in northern New South Wales. The agreement with Solo includes further supply of HFC waste collection trucks, subject to conditions precedent including a successful six-month trial outcome.

Solo is a privately-owned leading Australian waste management company providing kerbside waste collections for councils across most regions in Australia, servicing over 1.2 million bins per week. Pure Hydrogen's HFCEV waste collection truck will be deployed for an initial period of six months to Solo's municipal operations facilitating waste collections from households in 2024.

Pure Hydrogen is in the final stages of delivering Australia's first hydrogen fuel cell refuse collection vehicle which is expected to be trialled in late 2023 (*refer ASX Announcement 26 May 2022*). Pure Hydrogen has exclusive distribution rights for the truck design in Australia.

The truck to be supplied for the Solo trial is a side-loading, general household waste collection vehicle. The trial will allow Solo to determine the feasibility of the hydrogen fuel cell electric vehicle under different operating conditions, and it is an opportunity for participating Councils to determine how they can transition to hydrogen fuelled electric waste collection vehicles, and the infrastructure to support the technology.



Pure Hydrogen’s HFC waste collection truck is expected to have a range of about 300 kilometres before needing to re-fuel. Initially, the re-fuelling for the trial will be conducted at Solo’s Chinderah depot with 99.97% purity hydrogen supplied by Pure Hydrogen. Its driving range will depend on the travel route, geography and number of services. The truck emits zero CO2 gas emissions from the tailpipe under operating conditions, resulting in better air quality for the communities for which it is to be trialled. Additionally, the vehicle is quiet, reducing noise by over 70%.



**Image 1: A render of the Solo general waste collection truck to be delivered in 2024.**

### **Commercial terms**

The Pure Hydrogen HFCEV garbage truck will be supplied to Solo for an initial period of six months, with the option to extend up to 7 years. Solo will pay a rental cost of \$82,500 including GST together with a deposit and hydrogen usage and maintenance costs during the six month trial period. Upon a successful outcome of the trial period, the term sheet provides Solo with an option to trial and accept additional Hydrogen Fuel Cell Electric Trucks. Solo currently operates up to 40 waste collection vehicles per location across its New South Wales, Victoria, Western Australia and South Australian network. Pure Hydrogen will supply the waste collection vehicle with Hydrogen fuel and vehicle maintenance services for the duration of the six-month trial. Pure Hydrogen also has the last right of refusal for hydrogen supply to Solo.





## Comments

**Solo Resource Recovery's National Fleet Manager, Mark Taylor said:** *"We are pleased to have signed this agreement with Pure Hydrogen and are proud to be trialling their Hydrogen Fuel Cell Electric waste collection vehicle with the aim to initially trial the vehicle in the Tweed Region – the very region where Solo commenced operations over 90 years ago."*

*"Solo has always seen innovation as a core part of our long involvement in the Waste Industry. Our partnership with Pure Hydrogen is the natural next step to ensuring a resilient and sustainable waste sector. Our collaboration with Pure Hydrogen represents practical and real progress towards a realistic and achievable circular economy. Importantly, this potentially will enable our valued customers to transition toward a circular economy where the Environment, Consumers and Industry all benefit."*

**Pure Hydrogen Managing Director Scott Brown added:** *"This agreement is a key milestone for Hydrogen fuelled zero-emission transport solutions in Australia and reflects Solo's confidence in, and commitment to, Pure Hydrogen's HFC trucks. The agreement follows the successful launch of Pure Hydrogen's Taurus truck in June – Australia's first hydrogen-powered prime mover developed in collaboration with Hdrive and PepsiCo. Following the launch event, domestic interest in our hydrogen powered commercial vehicles has ramped up significantly and Pure Hydrogen is now in discussions with several interested parties and prospective commercial partners. Amid the ongoing expansion of Australia's hydrogen vehicle industry, this term sheet marks a strategic move by Solo to secure delivery slots and benefit from an early-mover advantage."*

*"This agreement is consistent with Pure Hydrogen's turn-key solutions strategy and is an example of the progress we continue to make towards the supply of both hydrogen vehicles and hydrogen fuel sources to our customers. Pure Hydrogen continues to plan out its network to support the commercialisation phase of the vehicles and our commitment to establishing turquoise and emerald hydrogen hubs will enable us to deliver carbon-negative, low-cost hydrogen into the marketplace."*

### **For further information, please contact:**

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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)



### **About Solo Resource Recovery**

Solo Resource Recovery (Solo) is a 100% Australian owned and operated family company established in its own right in 1990, whose founding father commenced waste operations in 1932 in Murwillumbah (now part of the Tweed Shire) Northern New South Wales, where Solo's Head Office is located. Solo and its predecessors have held the now Tweed Shire collection contract continuously for 91 years since 1932.

Solo provides a diverse range of waste and resource recovery services to Councils, Business and Industry throughout New South Wales, South Australia, Queensland, Victoria and Western Australia. Solo provides over 1.2 million domestic collections per week and services over 15,000 Commercial Customers nationally.

Solo's manufacturing division, Rico Recovery Systems (Rico), designs and manufactures collection vehicles for waste services and other innovative waste equipment.

For further details: <https://www.solo.com.au/>

