



ASX Announcement | 11 February 2025
NH3 Clean Energy (ASX: NH3)

NH3 Clean Energy and Pilbara Ports sign a MoU on Ammonia Shipment for WAH₂ Project

NH3 Clean Energy Limited (ASX:NH3) ('NH3' or 'the Company') (Formerly Hexagon Energy Materials Limited (ASX:HGX)) is delighted to advise that it has signed a Memorandum of Understanding ('MoU') with The Pilbara Ports Authority ('Pilbara Ports') exploring the options for the loading and export of 600,000 tonnes per annum ('TPA') of clean ammonia from the Company's WAH₂ Project.

HIGHLIGHTS

- The non-binding MoU outlines collaboration between NH3 and Pilbara Ports over the next 12 months intended to establish operational arrangements and binding agreements supporting clean ammonia export from the WAH₂ Project.
- Phase 1 production of 600,000 TPA of clean ammonia would be shipped via the Port of Dampier Bulk Liquids Berth.
- The MoU covers ship loading for both export and bunkering customers, aligning with NH3's broader clean energy strategy.

EXECUTIVE SUMMARY

This MoU further advances the collaboration that has been taking place between NH3 and Pilbara Ports around the handling, loading and export of the clean ammonia produced from the WAH₂ plant.

Ammonia would be transported from the WAH₂ Plant to the Port of Dampier by a new-build pipeline located in the existing infrastructure corridor.

The ammonia would be loaded onto ships at the existing Port of Dampier Bulk Liquids Berth, subject to availability and commercial agreements. These ships would either be gas carriers to transport the clean ammonia to overseas customers, or the ammonia bunkering vessel that is being proposed under NH3's MoU with Oceania Marine Energy¹.

The bunkering vessel would supply clean ammonia as fuel to bulk carriers that are used to export iron ore from the Pilbara – helping to decarbonise Australia's iron ore exports and establish Dampier as a clean fuel bunkering hub.

This MoU comes on top of recent announcements regarding the completion of Pre-FEED engineering², gas supply³ and CO₂ transport⁴ as the project continues to progress towards its target of FEED entry at the end of Q1 2025.

¹ NH3 ASX 'WAH₂ Project – Ammonia Bunkering Memorandum of Understanding' announcement dated 13 May 2024.

² NH3 ASX 'NH3 Clean Energy Completes Pre-FEED Engineering for WAH₂ Project' announcement dated 3 Feb 2025.

³ NH3 ASX 'Hexagon and Chevron Australia agree on Indication of gas Supply for WAH₂ Project' announcement dated 4 Nov 2024.

⁴ NH3 ASX 'NH3 Clean Energy and Australia Gas Infrastructure Group sign Memorandum of Understanding on CO₂ transportation for WAH₂ Project' announcement dated 10 Dec 2024.





The completed technical work, preliminary commercial agreements and Pre-FEED financial modelling are the basis for the next stage of strategic and customer discussions. These discussions will be supported by a WAH2 Project data room in February.

The Company is already engaged with more than a dozen potential offtake and strategic partners and anticipates continued news-flow and announcements as these progress.

NH3’s Chairman Charles Whitfield commented:

“Pilbara Ports have demonstrated their support and enthusiasm for becoming a key hub for the handling of clean ammonia for the international market and marine fuel. As promised in the first gas supply announcement⁵, the tempo of achieving milestones and development of the project will continue to increase as we drive for FID in H1 2026”

1. WAH₂

The WAH₂ Project is NH3’s flagship project to supply low-emissions ammonia to the decarbonising powerhouse economies of the Asia Pacific, including Japan and South Korea as well as being a source of decarbonised ‘bunker’ fuel for powering bulk carriers carrying iron ore from Australia to Asia. The project is well placed as Asia’s energy transition drives an increasing demand for low emissions energy.

The Project is progressing towards its target of entering front end engineering and design (FEED) at the end of Q1 2025.

1.1 WAH₂ Tracking

Timing	Stage	Status
Q3 – Q4 2022	Complete scoping study	Achieved on time & budget
Q1 – Q2 2023	Complete WAH ₂ Preliminary Feasibility Study Report Secure Option to Lease from WA Government over preferred project site Progress commercial discussions	Achieved on time & budget
Q3 2023 – Q1 2025	WAH ₂ Pre-FEED Studies MOUs or other conditional commercial agreements for project inputs and offtake prior to FEED entry FEED entry end Q1 2025	Achieved 1 month post guidance Ongoing
Q2 2025 – Q2 2026	FEED Studies Unconditional commercial agreements for project inputs and offtake prior to FID FID end Q1 2026	

⁵ NH3 ASX ‘Hexagon and Chevron Australia agree on Indication of gas Supply for WAH2 Project’ announcement dated 4 Nov 2024.





Authorisation

This announcement has been authorised by the Board of Directors.

About NH3 Clean Energy Limited

NH3 Clean Energy Limited (ASX: NH3) is an Australian company focused on Future Energy project development and Future Energy materials exploration and project development.

NH3 is developing a business to deliver decarbonized hydrogen (low-emission ammonia) into export and domestic markets at scale, via its WAH₂ Project. The Company plans to use renewable energy to the greatest extent practicable.

NH3 100% owns the McIntosh Nickel-Copper-PGE project and the Halls Creek Gold and Base Metals project in Western Australia. The Company has two earn-in arrangements on its Graphite properties.

To learn more please visit: www.nh3ce.com

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