



Alpha **HPA**

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The Manager Companies - ASX Limited  
20 Bridge Street  
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ASX: **A4N**  
ASX Announcement  
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(2 pages)

## MOU WITH CLEANCO QUEENSLAND TO PROVIDE UP TO 100% RENEWABLE ENERGY TO THE HPA FIRST PROJECT

- **MoU to co-operate on a Renewable Energy Agreement (REA) for the HPA First Project**
- **REA to consider a range of potential renewable supply options**
- **Potential to supply 100% of the HPA First Project electricity demand backed by renewable energy**
- **A successful REA will further reduce the HPA First Project's carbon footprint**
- **CleanCo is a Queensland Government owned low-emission energy generator and retailer**

The Board of Alpha HPA Limited ('Alpha' or 'the Company') is pleased to provide an update on activities for its HPA First Project, representing the evaluation and intended commercialisation of the production of ~10,000tpa equivalent of high purity alumina (HPA) and related products using the Company's proprietary licenced solvent extraction (SX) and HPA refining technology.

### MEMORANDUM OF UNDERSTANDING

Alpha has signed a Memorandum of Understanding (MoU) with CleanCo Queensland Limited ('CleanCo') with respect to co-operation towards negotiating a Renewable Energy Supply Agreement ('REA') for the HPA First Project.

Under the MoU, Alpha and CleanCo will consider a range of potential supply agreements underpinned by low-emission and renewable power generation from CleanCo's existing generation portfolio, as well as renewable projects under construction, which have capacity to supply the HPA First Project with 100% of its electricity demand backed by renewable energy.

A successful REA would further reduce the HPA First Project's already low carbon footprint.

### About CleanCo

CleanCo is a Queensland Government-owned energy generator with a portfolio of flexible low-emission and renewable generation assets including Queensland's only pumped storage hydroelectric power station at Wivenhoe Dam. In addition, CleanCo is an investor in the MacIntyre Wind Farm Precinct near Warwick and will own and operate the Karara Wind Farm, and has committed to a power purchase agreement from what will be Australia's largest solar farm at the Western Downs Green Power Hub.

Alpha's Chief Operations Officer, Rob Williamson, commented; *"Alpha is committed to delivering a project that delivers products and materials that are vital for decarbonisation and to do so with the lowest possible environmental impact. Alpha is delighted to be working with CleanCo on this Project and looks forward to completing a successful REA."*

CleanCo CEO Dr Maia Schweizer said, *"CleanCo is committed to leveraging our unique portfolio of energy generating assets to provide reliable, competitive low-emissions energy to our commercial and industrial customers and we look forward to working with Alpha to fuel their clean energy ambitions."*

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### **About the HPA First Project**

The Company's HPA First Project represents the evaluation and intended commercialisation of the production of ~10,000tpa equivalent of high purity alumina (HPA) and related products using the Company's proprietary licenced solvent extraction and HPA refining technology. The technology provides for the extraction and purification of aluminium from an industrial feedstock to produce 4N (>99.99% purity) alumina for the intended use within the lithium-ion battery and LED lighting industry. Alpha HPA completed Definitive Feasibility Study (DFS) in March 2020 following a successful pilot plant campaign in 2019. Alpha has since upscaled it's Brisbane facility to demonstration scale and has now recorded over 2,000 operating hours delivering an expanded range of high purity product to over 35 end-users globally.

The Company is now in the mature phases of project permitting, market outreach and project financing processes, with the expectation of positioning the HPA First Project to Final investment Decision.