

ASX Release  
15 June 2021

## WIND RESOURCE TO DELIVER LOW CARBON SOP

### Highlights

- **Exceptional wind resource provides potential to increase renewables penetration rate beyond the DFS design of 58%**
- **Excellent results produced from 12 months of on-site wind monitoring with an average wind speed of 27km per hour and low seasonal variability**
- **Long-term data indicates higher wind velocities at night, complementing the solar energy that is available during daylight**
- **Current FEED phase will assess the integration of hydrogen-based storage to maximise renewables penetration and further reduce CO<sub>2</sub>-e emissions**

Agrimin Limited (ASX: AMN) (“Agrimin” or “the Company”) is pleased to announce the potential to increase the Mackay Potash Project’s high renewables penetration rate following the results of ongoing green studies. Based on 12 months of data collection at the proposed process plant location, the wind resource has been verified to support the Company’s low carbon Sulphate of Potash (“SOP”) production.

**Mark Savich, CEO of Agrimin commented:** *“Confirming the high quality and consistent wind resource at Lake Mackay was a critical part of our green strategy. Completion of long-term wind monitoring will now allow the finalisation of our power solution and supports the extremely low carbon footprint of Agrimin’s SOP fertiliser. This is important for our ESG objectives and for our future customers.*

*“We are committed to assessing opportunities to further reduce CO<sub>2</sub>-e emissions and enhance the green credentials of the Mackay Potash Project. Our integrated owner’s team has commenced studies to maximise renewables penetration by matching process plant power demand with the availability of renewable energy supply (load profiling), as well as assessing the potential integration of hydrogen-based storage solutions.*

*“The Mackay Potash Project has the unique ability to create a reliable seaborne supply of certified organic SOP fertiliser to farmers around the world, many of which are currently using SOP fertiliser produced from the highly polluting Mannheim process.”*

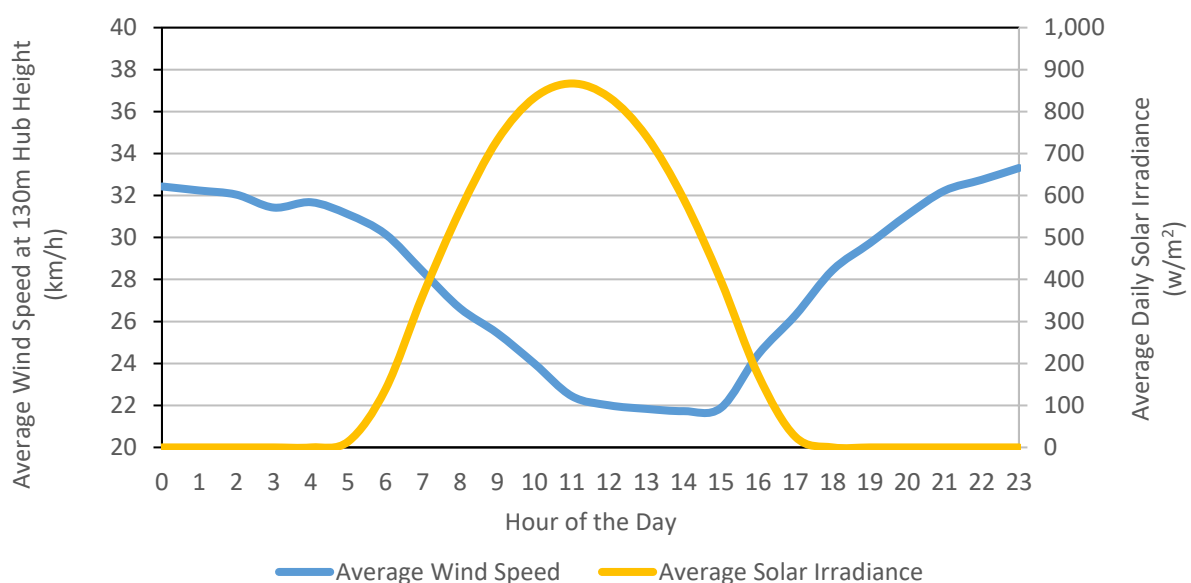
The Definitive Feasibility Study (“DFS”) was designed for the Mackay Potash Project having an average power load of 16 megawatts with this power generated via a hybrid gas, solar, wind and battery solution with a modelled renewables penetration of 58%<sup>1</sup>. This power load is designed to support the process plant, non-process infrastructure, offices and accommodation camp, as well as harvesting and pumping operations within the solar evaporation ponds.

For the past year, the Company has collected Sonic Detection and Ranging (“SODAR”) data to provide information about daily and seasonal wind patterns at the proposed process plant site. The SODAR device uses sound waves to measure wind speed and direction in the atmosphere at 10m intervals up to 200m above ground level. Measurements were taken every ten minutes, providing a comprehensive data set over the 12-month observation period.

The SODAR data has been correlated to ERA5 and MERRA2 processed satellite data sets, providing accurate wind strength and variability estimates which are suitable for final power system selection. The data show that Lake Mackay has an average wind speed of approximately 27km per hour at the planned wind turbine hub height of 130m, with low seasonal variability.

This average wind speed exceeds the assumption used in the DFS which was based on regional wind data. Importantly, the SODAR data demonstrates that wind energy is typically stronger at night and in the morning, which will complement solar energy and greatly improve renewable energy utilisation (**Figure 1**).

**Figure 1. Average Daily Wind and Solar Energy Resource**



Based on the confirmed wind and solar resources at Lake Mackay, the Company plans to optimise the mix of renewable energy generation with a review of energy storage options and process plant power demand during the current Front End Engineering Design (“FEED”) phase. These aspects are being considered as part of ongoing green studies and have highlighted the potential to also decrease operating costs over the 40 year life of the Mackay Potash Project.

**ENDS**

<sup>1</sup> Refer to the Company’s ASX announcement dated 21 July 2020 titled “Targeting the World’s Lowest Cost SOP Production”

For further information, please contact:

**Investors**

Mark Savich  
Chief Executive Officer  
T: +61 8 9389 5363  
E: msavich@agrimin.com.au

**Media**

Michael Vaughan  
Fivemark Partners  
T: +61 422 602 720  
E: michael.vaughan@fivemark.com.au

Or visit our website at [www.agrimin.com.au](http://www.agrimin.com.au)

This ASX Release is authorised for market release by Agrimin's Board.

**About Agrimin**

Based in Perth, Agrimin Limited is a leading fertiliser development company focused on the development of its 100% owned potash projects in Western Australia. Agrimin is aiming to be a global supplier of speciality potash fertilisers to both traditional and emerging value-added markets. Agrimin's shares are traded on the Australian Securities Exchange (ASX: AMN).

**Forward-Looking Statements**

This ASX Release may contain certain "forward-looking statements" which may be based on forward-looking information that are subject to a number of known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially from those presented here. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. Forward-looking information includes exchange rates; the proposed production plan; projected brine concentrations and recovery rates; uncertainties and risks regarding the estimated capital and operating costs; uncertainties and risks regarding the development timeline, including the need to obtain the necessary approvals. For a more detailed discussion of such risks and other factors, see the Company's Annual Reports, as well as the Company's other ASX Releases. Readers should not place undue reliance on forward-looking information. The Company does not undertake any obligation to release publicly any revisions to any forward-looking statement to reflect events or circumstances after the date of this ASX Release, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.