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BORAL PAVES THE WAY TO LOWER EMISSIONS WITH \$30M COMMONWEALTH GRANT

In partnership with leading technology group Calix Limited, Boral has today announced it will explore the feasibility of developing a carbon capture plant in the Southern Highlands after being awarded a \$30m grant from the Commonwealth to utilise Calix's innovative carbon technology.

The grant will support Boral and Calix in assessing the viability of a commercial scale plant that captures and compresses up to 100ktpa of unavoidable CO₂ emissions resulting from the decomposition of limestone in cement manufacturing.

Boral Chief Operating Officer, Darren Schulz said Boral is committed to investing in projects that create high performing products while reducing our carbon footprint.

"This is game changing technology for our industry and will play a critical role in supporting customers' sustainability targets," Mr Schulz said.

"Together, Boral and Calix have access to the required infrastructure, technology and operational expertise required to deliver this project and lead the way in reducing emissions across the industry.

"By modernising Australia's cement industry, we are enabling the growth of lower carbon construction materials, which are essential to jobs and local economies.

"I want to thank the Government for their support and understanding the need to transform the management of emissions in cement manufacturing.

"If successful, we believe this project will enable the national rollout of carbon capture technology to Australia's cement and lime industry creating smarter and more sustainable solutions for our customers."

Cement manufacturing is a high-emissions industry, accounting for around seven percent of all global carbon emissions. One of the biggest challenges is reducing the carbon trapped in limestone and subsequently released through the manufacturing process.

Calix's technology re-engineers the existing process flows of a traditional calciner, indirectly heating the limestone via a special steel vessel. The unique process enables CO₂ to be captured as it is released from the limestone.

The project will occur in three phases to minimise investment risk. The first phase of the project is a detailed commercial model and pilot design which will assess the engineering and commercial viability of the project and is expected to be completed in June 2023. If successful, Boral will then consider further investment into the next phase of the project which is technical and engineering design.

Calix Managing Director and CEO Phil Hodgson said Calix has been working hard to pilot our technology in Europe, but this project represents an acceleration in carbon abatement ambition that has occurred in Australia over a very short timeframe.



“It is great to be working with an Australian company such as Boral, with an Australian, home-grown technology, in a world-leading project,” Mr Hodgson said.

Boral and Calix jointly applied for a grant through the Commonwealth Government’s *Carbon Capture, Use and Storage (CCUS) Hubs and Technologies Program*.

For media enquiries, please contact:

Group Manager, Corporate Affairs, Evie Madden

+61 416 130 997

evie.madden@boral.com.au