



ASX RELEASE

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## Full Scale Commercial Testing of HydRestor™ Technology to be Undertaken by Florida Department of Environmental Protection

### Highlights:

- Carbonxt's HydRestor™ selected as an innovative technology for an extensive research program funded through the state of Florida and local municipalities
- The award funds \$400,000 of testing and will treat over 8 million gallons (30 Megalitres) of water over a four-month period, with the aim of reclaiming wastewater for irrigation purposes
- HydRestor™ is Carbonxt's patented, 100% owned, high-quality pelletized activated carbon sorbent, specifically designed for removal of phosphorus in various water-phase applications
- Currently in the state of Florida alone, 880 million gallons (330 Megalitres) of water is reused per day, demonstrating large commercial potential for Carbonxt's technology
- Further commercialization and field applications of HydRestor™ to be showcased for the growing market of water reutilisation.

United States focused Cleantech company **Carbonxt Group Ltd (ASX:CG1)** ("**Carbonxt**" or "**the Company**") is pleased to confirm that its HydRestor™ pelletized activated carbon sorbent product has been selected as the treatment option for an Innovative Technology Grant by the Florida Department of Environmental Protection (FDEP). \$400,000 worth of pilot testing will be funded through the state department, to treat reclaimed wastewater to meet the regulatory limits for beneficial reuse. The project site will be in the growing community of Lakewood Ranch, Florida and will treat over 8 million gallons of water over the 4-month period. This collaboration with Lakewood Ranch will focus on reclaimed wastewater, with the intention to close the loop and reduce nutrient levels to below regulatory limits for landscape irrigation. The project is expected to start in the US Summer of 2022.

**Warren Murphy, Carbonxt's Managing Director commented:** *"The opportunity to have large-scale commercial testing of HydRestor™ in Florida allows us to further showcase this unique technology in a very large sector. Florida is committed to reducing nutrient levels in its waterways and limiting the outbreaks of red tide and blue-green algae outbreaks, both of which have devastating effects on the State's economy. We see considerable commercial opportunity for HydRestor™ here and in other markets and this program, if successful, will deliver further critical validation."*

### About the Florida Innovative Technologies Grant Program

The state of Florida is moving swiftly to address growing concerns around water quality. Funding and research programs have been developed to preserve water quality and combat two key issues impacting the state: blue-green algae and the red tide phenomenon. Both of which are accelerated by excess nutrient loading.



The Innovative Technology Grant Program is specifically targeted towards funding projects that evaluate and implement innovative technologies to combat algal blooms, nutrient enrichment, and restore and preserve Florida waterbodies and water sources.

#### **Carbonxt's HydRestor™ Technology**

The HydRestor™ technology is a pelletized activated carbon sorbent, specifically created to reduce nutrient loading in water and reduce phosphorus concentrations. The ready-to-use filter media is loaded into beds and water is then passed through with necessary residence times needed for phosphorus adsorption. The technology is formulated to target the removal of phosphorus from a variety of water sources, including wastewater, stormwater, and industrial processes.

This announcement has been authorised for release to ASX by the Board of Directors of Carbonxt Group Limited.

**ENDS**

#### **Enquiries**

Warren Murphy  
Managing Director  
+61 413841216  
[w.murphy@carbonxt.com](mailto:w.murphy@carbonxt.com)

Ben Jarvis, Six Degrees Investor Relations: 0413 150 448

#### **About Carbonxt**

Carbonxt (ASX:CG1) is a cleantech company that develops, and markets specialised Activated Carbon products, focused on the capture of contaminants in industrial processes that emit substantial amounts of harmful pollutants. The Company produces and manufactures Powdered Activated Carbon and Activated Carbon pellets for use in industrial air purification, wastewater treatment and other liquid and gas phase markets.