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Port Houston Welcomes Arrival of Hybrid-Electric Cranes Part of carbon neutrality by 2050 goal



New RTGs delivered to Bayport Container Terminal

HOUSTON—Port Houston is proud to announce the arrival of six hybrid-electric rubber-tired gantry (RTG) cranes, marking a significant milestone in its commitment to sustainability and operational efficiency. Including this most-recent delivery, the Port has acquired 26 new RTGs since December 2023, which have been deployed across its Barbours Cut and Bayport Container Terminals. The most recent delivery of these state-of-the-art cranes is the fourth of five total deliveries that the Port will receive this year, highlighting Port Houston's dedication to reducing its environmental footprint while enhancing its functional capabilities.

The acquisition of these hybrid-electric RTGs represents another step toward Port Houston's goal of carbon neutrality by 2050. Unlike conventional diesel-powered cranes, these hybrid models significantly reduce greenhouse gas emissions, noise pollution, and fuel consumption. In fact, compared to diesel models, these RTG cranes reduce NOx, PM, HC, and CO emissions by 90%. By incorporating advanced

hybrid technology, these RTG cranes deliver the operational efficiency and versatility of supplied battery power, coupled with the dependable performance of diesel, all while significantly reducing their environmental footprint.

"We are excited to add these hybrid-electric RTGs to our fleet. This investment demonstrates our commitment to sustainable growth and our leadership in the maritime industry's shift toward greener equipment," said Roger Guenther, Executive Director at Port Houston. "As we integrate advanced technology into our operations alongside our dedicated staff, stevedores, and ILA labor, we are not only improving efficiency but also contributing to a healthier environment for our community."

An additional batch of RTGs is expected to arrive by the fourth quarter of this year. By the end of this year, 57 of our total 147 RTG cranes across both container terminals will be hybrid-electric.

About Port Houston

For more than 100 years, Port Houston has owned and operated the eight public wharves and terminals along the Houston Ship Channel, including the area's largest breakbulk facility and two of the most efficient container terminals in the country. Port Houston is the advocate and a strategic leader for the Channel. The Houston Ship Channel complex and its more than 200 private and eight public terminals is the nation's largest port for waterborne tonnage and an essential economic engine for the Houston region, the state of Texas, and the U.S. The Port of Houston supports 1.54 million jobs in Texas and 3.37 million jobs nationwide, and economic activity totaling \$439 billion in Texas – nearly 20 percent of Texas' total gross domestic product (GDP) – and \$906 billion in economic impact across the nation. For more information, visit the website at PortHouston.com.

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