



June 24, 2020

**TO:** THE DISTRICT BOARD OF TRUSTEES  
OF VALENCIA COLLEGE

**FROM:** SANFORD C. SHUGART  
President

**RE:** CHILLER REPLACEMENT, EAST CAMPUS

The East Campus Trane 650-ton centrifugal Chiller #2 is integral part of the energy management system on the campus. This chiller is 13 years old with an expired warranty and a history of excessive repair costs. On campus, there is a second chiller (Chiller #1) that in times of outage, takes on the full load of the East Campus when issues arise. This additional burden shortens the life of the operating chiller and in a worst case scenario could result in the complete failure of both units, presenting a major disruption to the learning environment.

Chiller #2 has been intermittently inactive for 300 days over the last 2 years. Efforts by the original equipment manufacturer (OEM - Trane) to repair the chiller were marginally effective, costing the College \$85,000 in repair costs over the last 24 months. The OEM did a full assessment in February 2020 of the most recent chiller failure, and determined that a comprehensive major repair was needed estimating those costs to be \$252,272.

Office of Facilities leadership determined that a full replacement of the chiller would be the best option for the college, in terms of cost and effectiveness. Through a US Communities (OMNIA Partners) cooperative purchasing contract, Trane provided a proposal to replace the existing Trane 650-ton chiller along with a full 10-year complete parts, refrigerant and labor warranty for \$412,567.

**RECOMMENDATION:**

The President recommends that the District Board of Trustees of Valencia College authorize the College to engage Trane to replace Chiller #2, East Campus in accordance with the OMNIA Partners cooperative purchasing contract.

A handwritten signature in black ink that reads "Sanford C. Shugart". The signature is written in a cursive style and is positioned above a horizontal line.

President