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## SAM HOUSTON STATE UNIVERSITY HUNTSVILLE, TX

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**Subject:** CenTraVac R'newal™ Service Program

**1. Introduction.** Our Trane R'newal service program is a factory-warranty solution to replace worn materials, restore compressor performance and provide the same assured reliability as seen with the new CenTraVac water chiller compressor.

**2. Project Background.** Tradition-rich Sam Houston State University, founded in 1879, was struggling to keep one of its lead chillers in proper operating condition. The 12-year-old Trane centrifugal was having trouble carrying its cooling load due to a substantial refrigerant leak at one of the gaskets. Because of the imminent need to perform a complete regasket job on the chiller, the university made the proactive decision to have Hunton Trane Services perform a Centrifugal R'newal and motor replacement. While the R'newal was in process, the university also had Hunton Trane Services make other piping modifications in the plant to enhance their chilled water control.

**3. Hunton Trane Services' Role.** Because of the constant cooling load on the west plant (Administration buildings, the library and several dormitories), Hunton Trane Services provided and coordinated supplemental cooling to keep the west side of the campus in full operation. The company supplied a set of chillers and a large step-down transformer to deliver uninterrupted cooling to the university while performing the month-long service project.



**4. Benefits of the R'newal Process.**

- Advanced planning – planned event vs. an unexpected catastrophic failure
- Budget – maintenance budget vs. capital expense
- Saves money – R'newal process is 1/10 the cost of replacement and 1/3 the cost of a major failure
- Less risk – includes long-term compressor warranty
  - Standard 2-year warranty
  - Optional 3<sup>rd</sup> through 5<sup>th</sup> available
- Saves energy – eliminates inefficiencies caused by air leaks, improper refrigerant charge and oil loss
- Conserves environment – prevents refrigerant leaks



**5. Benefits to Sam Houston State University**

Sam Houston State University's chiller has been brought back to its original operating performance with the R'newal process – a low-cost alternative to a major compressor repair or replacement. The university is protected from expensive, surprise failures by a full 5-year Trane warranty with maintenance in place; continues to save money with higher efficiency and lower operating costs; and enjoys a more reliable, like-new system.