Remove and Replace 1-340 Ton Water Cooled Centrifugal Chiller

FOR THE

HARRIS COUNTY APPRAISAL DISTRICT
HEADQUARTERS BUILDING
13013 NORTHWEST FREEWAY
HOUSTON, TEXAS 77040
**Bid Prices.** Furnish all equipment, material, labor, and performing all work as required in accordance with the attached specifications. Project descriptions below are general and not fully inclusive.

**Remove and Replace 1- 340 Ton Water Cooled Centrifugal Chiller**

- Include all cost for permits, bond cost, rigging and hoisting of the new and old equipment
- Remove current chiller# 2 which is a 340-ton Carrier centrifugal AquaEdge water cooled chiller with line reactor
- Install a new chiller of the same brand or comparable, in performance, to the 340 Ton Water Cooled Centrifugal Chiller. Vendor must assume responsibility for:
  - Field verify all measurements
  - All fittings match the existing piping
  - Proposed chiller brand can/will interface with the current building automation system
  - All systems are interfaced as existing and the end user is able to access new equipment
- Disconnect and reconnect existing electrical
- Replace pipes for chilled water and condenser from nearest valves to water barrel on new chiller
- Insulate all newly installed chilled water pipes with 1 ½” fiberglass insulation
- Use copper for all electrical wiring and connectors
- Provide power and control wiring where needed to hookup to existing electrical
- Provide rubber in shear isolators rated for loads
- Remove all air from chilled water piping system
- Provide automatic air vents at high point(s) of pip as required
- Provide flow sensor to deactivate chiller under no flow condition
- Install (2) new thermometers and (2) new pressure gages on chilled water lines
- Include Bacnet Open UPC communication card to tie into existing controls system
- Include controls programming and commissioning
- Perform a factory start-up and view system to verify proper operation
- Include 1 year parts & labor extended warranty
- Dispose of old chiller per EPA guidelines
- Work to be performed during non-business hours
- Any cost associated with getting the chiller in/out of the central plant (i.e. louvers covering area) will be inclusive of this proposal
- Estimate date to be completed by May 31, 2018

**Cost For The Above**  
$__________________

**Option 1**  
Mount & Install Variable Frequency Drives on Chillers  
$__________________

**Option 2**  
Year 2 – 5 Compressor Warranty on Chiller  
$__________________

**Estimated downtime** _____________________________________________________________________