



***HARRIS COUNTY
APPRAISAL DISTRICT
Harris County
Houston, Texas***

***BID DOCUMENTS
BID NUMBER 2018-01
Issued: January 17, 2018***

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

FOR THE

***HARRIS COUNTY APPRAISAL DISTRICT
HEADQUARTERS BUILDING***

13013 NORTHWEST FREEWAY

HOUSTON, TEXAS 77040

SECTION A – OFFICIAL BID FORM – PAGE 4 Amendment 1

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 1/2" 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 _____