

**EAST HAWAII REGION
NOTICE & REQUEST FOR SOLE SOURCE**

1. TO: Regional Chief Executive Officer
2. FROM: Jim Paapke, Facilities Operations Manager

Pursuant to East Hawaii Region Policy, PUR 005, the Department requests sole source approval to purchase the following:

3. Description of goods, services, or construction:

Removal and replacement of current chiller with Carrier Corporation high efficiency variable speed screw chiller.

4. Vendor Name: Carrier Corporation Address: 94-496 Ukee St Waipahu, HI 96797	5. Price: <u>\$480,000.00+tax</u>
6. Term of Contract: From: Summer 2021 To: Installation (mm/dd/yyyy)	7. Prior Sole Source Ref No. <u>N/A</u>

8. Feature: The good, service, or construction has the following unique features, characteristics, or capabilities:

The proposed 23XRV 400T is a high efficiency Variable Speed Screw Chiller. This chiller can reach 70% motor load reduction. Most chillers can only reach 30%. This chiller is not subject to surging. The 23XRV will unload to 10% or 40 tons. Unloading is accomplished by slowing the motor down, no guide vanes, unloaders, or slide valves. The fact that capacity control is controlled directly by the motor speed allows us to capture maximum energy savings.

Additionally, the 23XRV can handle entering condenser water temperatures up to 105 degrees. This means if we lose our cooling tower cell this chiller has the ability to handle water temperatures than most. Centrifugal chillers would surge and shutdown.

Standardizing our chillers with Carrier will bring significant value in we are only working with one vendor. Currently we are working with two (2) separate vendors to keep our chillers running. HMC's experience has shown the current chiller the same size as the Carrier chiller can not meet the needs of the organization during the summer months.

Carrier Corporation is the only known company that installs Carrier commercial equipment, including the requested chiller, on the Island of Hawaii.

9. Essential Features: How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work:

Standardizing our chillers with Carrier, similar to how we have standardized our AHU's, brings significant value to HMC by only having to train employees on one type of chiller.

Additionally, this proposed chiller has the ability to accept entering condensing temperatures of up to 105 degrees which allows us to run this chiller in the event we lose a cooling tower cell.

HMC has also experienced the current chiller, even being the same size as the Carrier chiller, the current chiller can not maintain our chilled water temperatures in the summer months.

Finally, this chiller is significantly quieter than centrifugal chillers. This chiller will provide greater electrical savings for HMC over the life due to the ability of achieving 70% motor load reduction.

10: Sole Source No. _____

11. Alternate source. The following other possible sources for the good, service, or construction were investigated but do not meet our needs because:

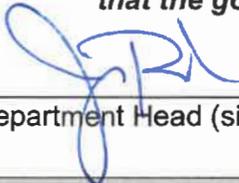
Experience with the current chiller is less than acceptable. The current vendor has not been able to provide proposal to fix current chiller. Additionally, the current chiller vendor is losing staff & has failed to provide the services & expertise to maintain our equipment.

12. Direct any inquiries to:
Department: Maintenance
Contact Name/Title: Jim Paapke

13 Phone Number: 8089323532
Fax Number: 8089330708

Expenditure may be processed with a purchase order: Yes No If no, a contract must be executed
Agency shall ensure adherence to applicable administrative and statutory requirements.

14. *I certify that the information provided above is to the best of my knowledge, true, correct and that the goods, services, or construction are available through only one source.*



Department Head (sign and print name)

03/22/2021
Date

Reserved for RCEO/Designee Use Only

15 Date Notice Posted: 3/24/21

Submit written objections to this intent to issue a sole source contract within five (5) calendar days or as otherwise allowed from the above posted date to: Regional Chief Executive Officer
East Hawaii Region
1190 Waiuanue Ave.
Hilo, Hawaii 96720

16. Regional Chief Executive Officer's comments:

17.

- APPROVED DISAPPROVED
 NO ACTION REQUIRED

Regional Chief Executive Officer

Date