

RESOLUTION NO. 2021 - 318

A RESOLUTION AUTHORIZING AN UPGRADE TO CITY HALL CHILLER, ADAPTIVE PANEL CONTROLS FROM TOZOUR-TRANE, KING OF PRUSSIA, PA, IN THE AMOUNT NOT TO EXCEED \$32,425.00, PURSUANT TO A NATIONAL COOPERATIVE CONTRACT WITH HARFORD COUNTY PUBLIC SCHOOLS.

WHEREAS, the City of Vineland Buildings Division is in need of an Upgrade to City Hall Chiller, adaptive panel controls; and;

WHEREAS, the City of Vineland is a member of U.S. Communities and National IPA, now wholly owned subsidiaries of **Omnia Partners National Cooperative**; and

WHEREAS, Harford County Public Schools, a participant of the Omnia Partners National Cooperative, has acted as lead agency and awarded Contract 15-JLP-023, under the Category: HVAC Products, Installation, Services and Related Products and Services; and,

WHEREAS, N.J.S.A. 52:34-6.2 permits the City of Vineland to purchase the Trane Chiller Upgrade Services using the offered National Cooperative Contract without public bidding, subject to the submittal and acceptance of certain documentation by Tozour-Trane;

WHEREAS, the City of Vineland intends under Harford County Public Schools, under the Category: HVAC Products, Installation, Services and Related Products and Services, Contract 15-JLP-023, to purchase from Tozour-Trane, King of Prussia, PA, the Chiller Upgrade, in an amount not to exceed \$32,425.00, as listed in the Quotation, dated June 14, 2021, made available through the said Cooperative Purchasing Program.

WHEREAS the Superintendent of Public Works and the Qualified Purchasing Agent, with the concurrence of the Business Administrator, recommend the use of the National Cooperative Pricing through Harford County Public Schools for this procurement; and

WHEREAS, the City of Vineland Purchasing Agent has determined that the use of the offered National Cooperative Contract will result in cost savings after all factors, including charges for service, material and delivery have been considered and has verified that such equipment/services is not available through State Contract awarded by the Division of Purchase and Property in the New Jersey Department of the Treasury pursuant to N.J.S.A. 40A:11-12; and

WHEREAS, the availability of funds for said purchase to be awarded herein have been certified by the Chief Financial Officer; and

WHEREAS, the City of Vineland has certified that this meets the statute and regulations governing the award of said contracts;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF VINELAND, that the Purchasing Agent is authorized to prepare a purchase order to procure Chiller Upgrades for a price not to exceed \$32,425.00.

BE IT FURTHER RESOLVED that the purchase order shall contain a requirement that “the vendor shall maintain all documentation related to products, transactions or services under this contract for a period of five years from the date of final payment. Such records shall be made available to the New Jersey Office of the State Comptroller upon request”.

Adopted:

President of Council

ATTEST:

City Clerk

**REQUEST FOR RESOLUTION
FOR COOPERATIVE CONTRACT AWARDS
UNDER 40A:11-12, N.J.A.C. 5:34-7.29 & LFN 2012-10
(REQUIRED FOR PURCHASES OVER \$17,500.00)**

June 17, 2021
(DATE)

1. Goods or Services (detailed description): Upgrade City Hall Chiller, adaptive panel controls upgrade

2. Amount to be Awarded: \$ 32,425.00

- Encumber Total Award
 Encumber by Supplemental Release

3. Budgeted: By Ordinance No. _____
Or Grant: Title & Year _____

4. **Account Number to be Charged: C04-00-000-2008-78003

5. Contract Period (if applicable): _____

6. Date to be Awarded: July 13th, 2021

7. Recommended Vendor and Address: Tozour-Trane - 3606 Horizon Drive
King of Prussia, PA 19406

8. Justification for Vendor Recommendation:(attach add'l information for Council review)
The centrifugal chiller at City Hall is a Trane product and should be serviced by Trane.

Type of Contract: State National Regional County

Vendor's Cooperative Contract # 15-JLP-023

9. Evaluation Performed by: 

10. Approved by: 

11. Attachments:
 Awarding Proposal
 Other: _____

- Send Original To: Business Administration
- Send A Copy To: Purchasing Department

****If more than one account #, provide break down**

OMNIA PARTNERS SERVICE PROPOSAL
US COMMUNITIES #12-20072-20-001

Quote#: QJ-2666

Date: June 14, 2021
To: Vineland City Hall
640 East Wood Street
Vineland, New Jersey 08360
Attention: Jay Hares

Re: ADAPTIVIEW PANEL UPGRADE

Tozour-Trane is pleased to offer you this proposal to perform the following services:

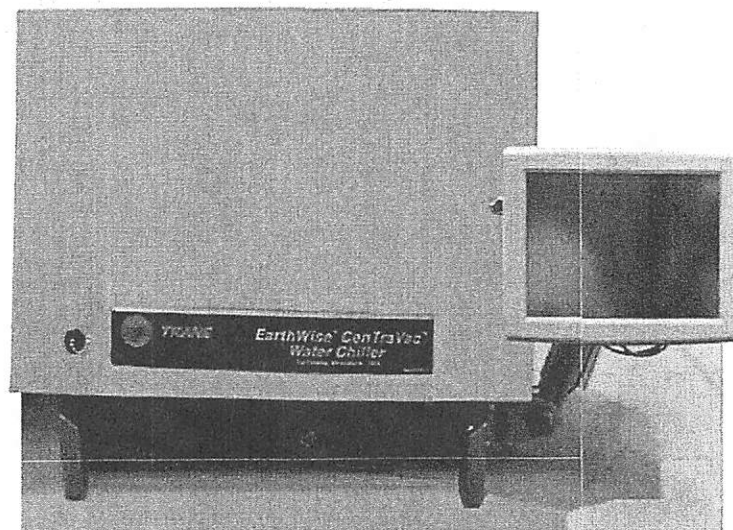
Scope of Service:

Trane AdaptiView™ Display Upgrade for Centravac™ Chiller

We are pleased to offer you this proposal for the AdaptiView™ Display Upgrade for your Trane Centrifugal chiller. Services will be performed using Trane's Exclusive Service Procedure to ensure you get full benefit of our extensive service experience, coupled with the distinct technical expertise of an HVAC equipment manufacturing leader. Our innovative procedure is environmentally and safety conscious, and aligns expectation of work scope while providing efficient and productive delivery of services.

For chillers such as yours, users are replacing their existing chiller controls with new Trane controls. Reasons vary, but include obsolescence of older controls components, the ability to integrate new Trane controls into their facility management system, and the desire to have a sustainable control system for the future of the chiller that is easily upgradable as technology changes.

The new Trane AdaptiView chiller control system combines new color graphic operator interface with advanced processing and communications capability to enhance the usability and functionality of your chiller system. It also allows open protocols for direct communication with other building control systems. By giving a better view into a chiller's inner workings, Tracer AdaptiView chiller control helps keep building occupants cool and critical processes operational.



An added benefit of the AdaptiView control family is that it allows our service technicians to use our newest generation of laptop computer based service tools when working on your chiller. In the years to come, you will see how these tools will improve the speed of chiller diagnosis and repair work. It will also provide you with better records – logging of our work and your equipment's performance.

Proposal

We are pleased to offer you this proposal for performance of the following Services for the Equipment listed.

Equipment	Manufacturer	Model Number	Serial Number	Area Served
Centrifugal Chiller	Trane	CVHA044R00	N97L06998	City Hall Building

Unit Controls Upgrade Proposal

The conversion of existing Trane Series R™ chiller control system to the current production Tracer™ AdaptiView™ display and control system.

Scope of Service

- Inspection of chiller to validate operating condition.* Recording present chiller operating configuration and logged data.
- Removal of existing panel door mounted DynaView chiller controller.
- Installation of new UC800 chiller controller.
- Installation of spring loaded mounting arm and AdaptiView color graphic operator display.
- Use of Trane service tool to configure AdaptiView chiller controller for proper operation.
- Startup and logging of the chiller.
- Operator training of usage and features of new control system.

* Any additional repairs will be brought to your attention, quoted separately, and will be done only following your approval.

Warranty

Standard Limited Warranty - Our limited warranty is *one year* parts. Please refer to the attached Terms and Conditions.

Optional Limited Warranty - Extended parts and labor limited warranty options of various lengths up to 5 years are available. If selected, a Trane limited warranty certificate documenting parts and labor coverage for the above scope will be issued for the duration indicated.

Exclusions

Trane open protocol hardware and its installation and or interface with building systems is proposed separately unless documented below.

Standard Features – AdaptiView™ Display Upgrade

General

The Tracer™ AdaptiView™ Upgrade Chiller Controller is a pre-packaged upgrade kit designed for existing chillers. The AdaptiView kit provides Trane® Tracer AdaptiView chiller control and has standard communication capability for Trane.

Control Function

The Tracer AdaptiView system has the following control functions;

- Smart compressor startup and shutdown sequence
- Loss of flow in condenser or evaporator
- High condenser pressure limit
- High pressure cutout
- Evaporator fluid temperature cutout
- Evaporator refrigerant temperature limit
- Evaporator leaving fluid temperature control
- Current limit control/Demand limit input
- Condenser limit control
- Automatic chilled water setpoint reset
- Chiller startup automatic soft-loading
- Smart chiller auto-restart
- Remote BAS setpoint control
- Remote BAS enable/disable
- Pump start/stop output relays

Monitoring Functions

The Tracer AdaptiView has the following monitoring functions;

- Temperature - Standard
 - Compressor discharge temperature
 - Evaporator approach temperature
 - Evaporator entering water temperature
 - Evaporator leaving water temperature
 - Condenser entering water temperature
 - Condenser leaving water temperature
 - Saturated evaporator refrigerant temperature
- Pressure - Standard
 - Evaporator refrigerant pressure
 - Condenser refrigerant pressure
 - Differential oil pressure
- Control inputs - Standard
 - Setpoint source: front panel
 - Chilled water reset based on return water temperature
 - Evaporator liquid level sensor
 - Optical oil sensor
 - External chiller Auto-Stop
 - External chiller emergency Stop
 - Chiller associated - Standard

Compressor motor starts
Compressor motor running hours
Current, phase current
Voltage, L1, L2, L3
Compressor motor kW
Power factor
Compressor motor % RLA by phase

Monitoring Functions

The Tracer™ AdaptiView™ has the following optional monitoring functions;

Temperature - Optional
Outdoor air temperature

Control inputs - Optional
Setpoint source: Tracer (software point)
Setpoint source: generic BAS (software point)
Chilled water reset based on outdoor air temperature
Chilled water setpoint
Current limit setpoint (% RLA)
External ice making enable / disable
Hot water control enable / disable
Base loading enable / disable

Chiller associated - Optional
Compressor motor % RLA output (0-10 Vdc)

Binary outputs - Optional
Maximum capacity relay
Compressor running relay
Limit warning relay
Ice making relay
Head relief request relay
Alarm relay MMR, MAR

AdaptiView Display Mounted on Swing Arm

Status and 100 active or historic diagnostics are communicated to the operator via a 7" diagonal, Wide VGA TFT LCD color display with a graphical user interface. Setpoints are entered through the touch-sensitive screen. Countdown timer displays remaining time(s) during wait states and time out periods. Nonvolatile memory saves unit set-up information during power loss without the need for batteries. Password protection is provided to secure the operator interface.

PC-based service tool software displays the last 100 active or historic diagnostics, indicating the time, date of occurrence and system parameters at the time of the diagnostic.

The service tool provides advanced troubleshooting and access to sophisticated configuration settings not needed during operation of the chiller. Check with your local Trane office on service tool availability.

Unit mounted display is capable of displaying chiller parameters in IP or SI units, and language in English and any of 26 other languages.

The UC800 main processor provides communication to BACnet™ or MODBUS® compatible building automation systems. The supported data points are published over BACnet and MODBUS profiles for water chillers.

Communications Module

BACnet communications

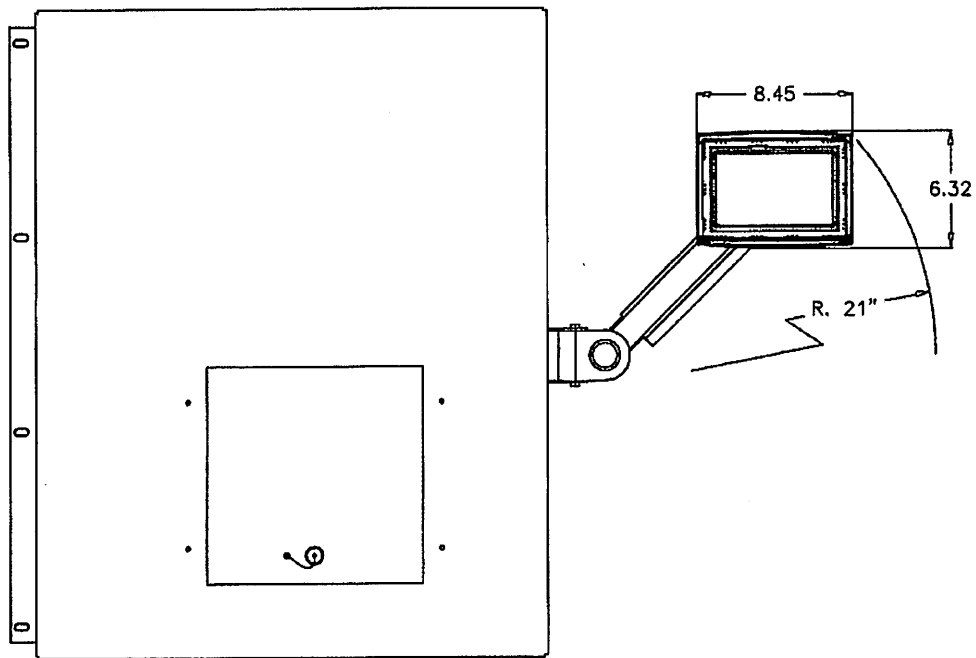
The UC800 includes both BACnet

Generic BAS:

Provides BAS analog outputs and analog inputs for providing miscellaneous BAS interface including:

- External baseload command
- Ice building control
- External baseload Set-point
- Refrigerant monitor
- RLA OUT
- Condenser control OUT
- Chilled water set-point IN
- Customer current limit IN
- Head relief request
- Ice making status
- Customer programmable relays

Unit Dimensions – AdaptiView™ Display Upgrade



Total Investment..... \$32,425.00

Notes:

1. Work is to be performed during regular business hours.
2. Applicable taxes are not included and will be added to the invoice, if required.
3. Any service not listed is not included.
4. Quote is valid for ten (10) days.
5. This project will be billed on the following progressive billing schedule: 20% upon customer authorization, 35% material procurement, 25% mobilization and 20% upon completion.
6. Proposal excludes the cost of permits, permit procurement, engineered drawings or related.

We appreciate your business. If you have any questions or concerns, please do not hesitate to call me at 609-774-4886.

Thank you,

Matthew Rawlik
Service Account Manager
Email: mrawlik@tozourtrane.com

Authorized by: _____

Title: _____

Purchase Order No: _____

Date: _____

Proposal accepted:
Acceptance of this proposal by buyer is expressly conditioned upon each of the terms, provisions and conditions set forth on the attached.