

# Agenda Report

March 22, 2021

**TO:** Honorable Mayor and City Council

**FROM:** Water and Power Department

**SUBJECT: AUTHORIZATION TO ENTER INTO A PURCHASE ORDER CONTRACT WITH TRICADE TECHNOLOGY SOLUTIONS, LLC TO FURNISH SERVER HARDWARE EXPANSION AND EXTEND MANUFACTURER SUPPORT OF EXISTING HARDWARE.**

**RECOMMENDATION:**

It is recommended that the City Council:

1. Find that the proposed action is not a project subject to the California Environmental Quality Act ("CEQA") pursuant to Section 21065 of CEQA and Sections 15060 (c)(2), 15060 (c)(3), and 15378 of the State CEQA Guidelines and, as such, no environmental document pursuant to CEQA is required; and,
2. i.) Accept the bid dated December 8, 2020 submitted by Tricade Technology Solutions, LLC in response to specifications for a VxRail hardware node expansion and extended manufacturer's warranty and maintenance of existing hardware; ii.) reject all other bids received; and, iii). authorize the City Manager, or his designee, to enter into a Purchase Order Contract with Tricade Technology Solutions, LLC not to exceed \$354,914.

**BACKGROUND:**

The City of Pasadena Water and Power Department ("PWP") currently operates a hardware solution ("VxRail") manufactured by Dell that combines storage, computing and networking into a single system in an effort to reduce data center complexity and increase scalability. The VxRail supports two hundred virtual servers in two separate locations that sustain mission critical files, printers, and key applications such as the Outage Management System, Geographic Information System, Energy Trading and Risk Management System, and building access control. The VxRail also stores the virtual application servers for the Customer Information System ("CIS") and stores short term recordings generated by over four hundred security cameras that have been installed at PWP sites and facilities within the Departments of Health and Parks, Recreation and Community Services.

The VxRail solution aligns with Department of Information Technology's Enterprise Building Security Management initiative and meets citywide enterprise standards for facility access control security. However, in order to support the increasing demand for PWP installations and upgrades at fourteen locations over the next five years, a 10% expansion of processor, memory, and data storage will be required in order to provide maximum protection of assets. The purchase of this hardware will allow for the expansion of site protection, increase system availability and will provide redundancy and disaster recovery opportunities.

PWP's existing Dell VxRail hardware came with three years of Dell maintenance and support which expired on February 2, 2021, with the exception of one server purchased later that will expire on June 25, 2022. It is the recommendation of staff to expand the current VxRail and purchase extended Dell warranty and maintenance from a reseller to provide support through August 31, 2024. This ensures that hardware operates with maximum available up-time and reliability. Manufacturer support provides preventive and remedial services that include hardware replacement, technical troubleshooting and assistance for setup.

PWP staff prepared specifications in accordance with PMC Section 4.08.060 for a VxRail hardware node expansion and extended manufacturer's warranty and maintenance of existing hardware. On November 19, 2020, a Notice Inviting Bids was posted to the Pasadena Journal, Pasadena Weekly and posted on the City's website via *PlanetBids*. No other local outreach was done. The electronic posting generated notices to more than 2,668 vendors, including 120 local vendors, and documents were downloaded by 27 vendors. Two bids were received by the December 8, 2020 deadline, one from a local vendor:

**Table 1: Bid Amounts**

<b>Vendor</b>	<b>Bid Amount</b>
Tricade Technology Solutions, LLC, Pasadena, CA	\$354,914
Alpha Data Technologies, Los Angeles, CA	\$365,137

The bid submitted by Tricade Technology Solutions, LLC, a local vendor, was the lowest price and met all requirements of the specifications. It is therefore recommended that a contract be awarded in the amount of \$354,914 for the products and services defined in the specifications as shown in Table 2.

**Table 2: Total Cost of Hardware, Warranty and Maintenance**

<b>Product</b>	<b>Price</b>
VxRail Hardware Node Expansion	\$109,661
Extended Manufacture Maintenance of Existing VxRail Hardware	\$245,253
<b>Total Cost:</b>	<b>\$354,914</b>

The proposed contract fully complies with the Competitive Bidding and Purchasing Ordinance, PMC Chapter 4.08 and the rules and regulations promulgated thereunder. The equipment proposed in the bid carries a warranty of four years from the commissioning date, and no maintenance expenses are expected during the warranty period.

The City has awarded twenty contracts and purchase orders collectively valued at \$1.5 million to Tricade Technology Solutions, LLC since 2015 and currently has no active orders.

**COUNCIL POLICY CONSIDERATION:**

The proposed action supports the City Council Strategic Planning Goals to maintain fiscal responsibility and stability, and align with PWP's Strategic Initiatives to enhance customer satisfaction and confidence, improve efficiency and business continuity and maintain PWP's fiscal health and stability. The contract also supports the City Council goal to maintain and enhance public facilities infrastructure, and promote the quality of life in the City and increase its attractiveness through more efficient management of resources.

**ENVIRONMENTAL ANALYSIS:**

The action proposed herein is not a project subject to CEQA in accordance with Section 21065 of CEQA and State CEQA Guidelines Sections 15060 (c)(2), 15060 (c)(3), and 15378. The authorization to enter into a contract for the purchase of computer hardware is a continuing administrative and maintenance activity (i.e., purchasing of supplies). This action would not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. Therefore, the proposed action is not a "project" subject to CEQA, as defined in Section 21065 of CEQA and Section 15378 of the State CEQA Guidelines. Since the action is not a project subject to CEQA, no environmental document is required.

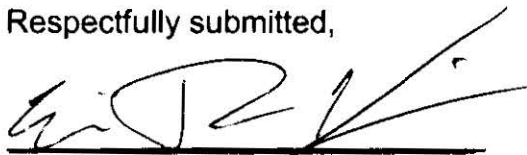
**FISCAL IMPACT:**

The total estimated cost of this action is \$354,914. Funding for this action will be addressed by the utilization of existing and future budgeted appropriations in Power Capital Fund 411 (CIP 03239), Water Capital Fund 412 (CIP 01083), Power Operating Fund 401 (42209300-811600), and Water Operating Fund 402 (42207990-811600) in the amount presented in Table 3. It is anticipated that \$135,355 will be incurred during the current fiscal year. The remainder of the costs will be spent over the next four fiscal years as listed in Table 3.

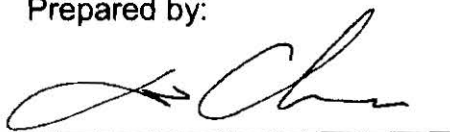
**Table 3: Fiscal Impact by Fund**

<b>Fiscal Year</b>	<b>Power Capital Fund 411</b>	<b>Water Capital Fund 412</b>	<b>Power Operating Fund 401</b>	<b>Water Operating Fund 402</b>	<b>Total</b>
FY 2021	\$71,280	\$38,381	\$16,701	\$8,993	\$135,355
FY 2022	-	-	\$40,083	\$21,583	\$61,666
FY 2023	-	-	\$47,368	\$25,506	\$72,874
FY 2024	-	-	\$47,368	\$25,506	\$72,874
FY 2025	-	-	\$7,895	\$4,250	\$12,145
<b>Totals</b>	<b>\$71,280</b>	<b>\$38,381</b>	<b>\$159,415</b>	<b>\$85,838</b>	<b>\$354,914</b>


Respectfully submitted,

  
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