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ADOPTED

BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

22 December 3, 2024

EDWARD YEN
EXECUTIVE OFFICER

December 03, 2024

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

Dear Supervisors:

**ACQUISITION OF COMPUTER EQUIPMENT FOR ONE IBM STORAGE ARRAY,
ONE IBM POWER10 SYSTEM AND TWO HIGH PERFORMANCE
ENTERPRISE STORAGE ARRAYS TO REPLACE
END-OF-LIFE HARDWARE HOSTING COUNTYWIDE APPLICATIONS
(ALL SUPERVISORIAL DISTRICTS - 3 VOTES)**

SUBJECT

Request for approval to purchase computer equipment at a cost greater than \$250,000 to meet the technology needs of County Departments.

IT IS RECOMMENDED THAT THE BOARD:

Authorize the Director of the Internal Services Department (ISD), as the County's Purchasing Agent, to purchase computer equipment as a combined capital asset expenditure not to exceed a total of \$5,962,000, including hardware, software, and sales tax, to replace the existing systems that have been identified as end-of-life and to consolidate workloads at Data Center 1 and Local Recovery Center.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

This request is for approval to procure:

1. One (1) IBM Storage Array; the current IBM storage array was purchased in 2017, has passed five-year useful life and has been on extended support. The cost of maintenance has also grown, and IBM has withdrawn the current storage array from the market. This acquisition will

provide a fully supported storage array with cost savings in maintenance. Applications owned by County Departments such as the Sheriff, Superior Courts, Public Works, District Attorney, Probation, Health Services, Treasurer-Tax Collector, Auditor-Controller, and Assessor are hosted on this system, which performs as a disaster recovery and data protection platform. The total cost of this equipment will not exceed \$575,000.

2. One (1) IBM Power10 enterprise system; the current IBM Power8 systems were purchased in 2017, have passed five-year useful life and is on extended support. The cost of maintenance has also grown. This acquisition will provide consolidation and a fully supported system with cost savings in maintenance. Critical County applications, such as the Auditor-Controller Enterprise Human Resource (eHR) and Electronic Countywide Accounting and Purchasing System (eCAPS), law enforcement applications such as the Consolidated Criminal History Recording System, Treasurer Tax Collector, and District Attorney systems, as well as data interfaces, will be supported using the new IBM Power10 system. The total cost of this equipment will not exceed \$1,187,000.

3. Two (2) Enterprise Storage Area Network high-performance systems, servicing the Primary and Secondary Data Centers; the current Dell VMAX and xTremIO storage systems have passed five-year useful life and has been on extended support. The cost of maintenance has also grown, and Dell has withdrawn the VMAX and xTremIO models from the market. This acquisition will provide a fully supported storage system with cost savings in maintenance and enable additional storage for current and planned growth. Critical County applications such as the Auditor- Controller eHR and eCAPS, law enforcement applications such as Consolidated Criminal History Recording System, and date interfaces will be supported using the new storage arrays. The applications will be migrated, and data will be replicated between Data Centers for Disaster Recovery and Business Continuity. The total cost of the equipment will not exceed \$4,200,000.

The total cost of all equipment will not exceed \$5,962,000.

Implementation of Strategic Plan Goals

The recommended action supports the County's Strategic Plan, Goal North Star 3 F (Flexible and Efficient Infrastructure) by replacing or modernizing legacy/obsolete infrastructure and leveraging technological advancements that increase visibility, accessibility, and ease of use for residents. Replacement of end-of-life equipment will also avoid high support and maintenance costs for the County.

FISCAL IMPACT/FINANCING

ISD has adequate funding for these computer equipment acquisitions cost not to exceed \$5,962,000 in the FY 2024-25 Adopted Budget. ISD will recover all these costs through existing billing charges to customer departments. There will be no change in the billing or cost to customer departments. All costs have been planned, budgeted, and approved for equipment refresh.

No additional net County cost is required for these acquisitions.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

This request complies with the County Equipment Policy that your Board approved on October 16, 2001. This policy requires that departments obtain Board approval to purchase or finance equipment with a unit cost of \$250,000 or greater.

The Chief Information Office (CIO) has reviewed this request and recommends approval. The CIO determined that the recommended action simply replaces end-of-life equipment. Therefore, no formal CIO Analysis is required.

CONTRACTING PROCESS

This procurement falls under the statutory authority of the County's Purchasing Agent and will be accomplished in accordance with the County's Purchasing Policies and Procedures. Brand specific solicitations will be competitively solicited among authorized IBM resellers, and open bid for Distributed system Storage arrays as appropriate and awarded to the lowest responsible and responsive bidder.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

The current IBM Mainframe storage array has been withdrawn from the market and the annual maintenance for the current equipment has increased. Replacement of the storage array is specific to supporting the Mainframe infrastructure and is crucial part of integration for system operations. The system enables replication and disaster recovery for nine (9) County Departments. These departments have 16 business-critical applications running on the Mainframe. Some of the critical applications, such as the County Warrant System, Automated Jail Information System, Adult Probation System, Trial Courts Information System, Secured/Unsecured Tax Roll System, Prosecutor Information Management System, Medical Eligibility System, and Property Database System, will be impacted with no options for data recovery or protection. It is also noteworthy to mention that critical data interfaces, such as the Department of Justice Interface Computing, Department of Motor Vehicle, etc., will not be able to process data or provide disaster recovery capabilities.

The current IBM Power8 systems have passed end-of-life and the annual maintenance for the current systems has increased. The recommended purchase of the IBM Power10 system is necessary to guarantee uninterrupted operations to critical applications such as the Auditor-Controller eHR and eCAPS, law enforcement applications such as Consolidated Criminal History Recording System, Treasurer-Tax Collector, District Attorney systems and data interfaces.

The current Dell VMAX and XtremIO storage arrays have been withdrawn from the market and the annual maintenance for the current storage systems has increased. Approval of the recommended purchase of these storage systems is necessary to guarantee uninterrupted operations and access to critical applications such as the Auditor-Controller eHR and eCAPS.

Your approval will ensure ISD can acquire the resources necessary to operate County computer systems managed by the Department.

CONCLUSION

Upon your Board's approval, the Executive Office, Board of Supervisors, is requested to return one adopted stamped Board letter to ISD.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Michael OWH", with a circular flourish at the end.

MICHAEL OWH
Director

MO:MA:BC:RS:ef

c: Chief Executive Officer
County Counsel