County of Los Angeles
CHIEF EXECUTIVE OFFICE
Kenneth Hahn Hall of Administration
500 West Temple Street, Room 713, Los Angeles, California 90012
(213) 974-1101
http://ceo.lacounty.gov

WILLIAM T FUJIOKA
Chief Executive Officer

May 29, 2012

ADOPTED
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

33 May 29, 2012

SACHI A. HAMAI
EXECUTIVE OFFICER

Board of Supervisors
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First District

MARK RIDLEY-THOMAS
Second District

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Third District

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MICHAEL D. ANTONOVICH
Fifth District

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

Dear Supervisors:

DEPARTMENT OF HEALTH SERVICES:
ESTABLISH CAPITAL PROJECT FOR THE HARBOR-UCLA MEDICAL CENTER DATA CENTER HEATING, VENTILATION, AND AIR CONDITIONING UPGRADE PROJECT (CAPITAL PROJECT NO. 87041)
APPROVE PROJECT BUDGET AND RELATED APPROPRIATION ADJUSTMENT
(SECOND DISTRICT) (3 VOTES)

SUBJECT

Establish Capital Project No. 87041 for the Harbor-UCLA Medical Center Data Center Heating, Ventilation, and Air Conditioning Upgrade Project, approve the Project budget, and authorize appropriation adjustment.

IT IS RECOMMENDED THAT YOUR BOARD:

1. Find that the proposed Project is categorically exempt under the California Environmental Quality Act for reasons stated herein.

2. Establish Capital Project No. 87041 for Harbor-UCLA Medical Center Data Center Heating, Ventilation, and Air Conditioning Upgrade Project with a total Project budget of $1,732,000.

3. Approve the appropriation adjustment to reallocate $1,732,000 from Capital Project No. 86937, Department of Health Services Various Refurbishments to Capital Project No. 87041.

4. Approve and authorize the Director of Public Works, or her designee, to proceed with the completion and delivery of the proposed Project using a Job Order Contractor.

PURPOSE/JUSTIFICATION OF PROPOSED ACTION

Approval of the recommended actions will establish a capital project for the Harbor-UCLA (Harbor) Medical Center Data Center (Data Center) Heating, Ventilation, and Air Conditioning (HVAC) Upgrade Project, approve an appropriation adjustment in the amount of $1,732,000, and allow the Director of Public Works, or her designee, to proceed with the proposed Project. The proposed Project will be completed by a Job Order Contractor (JOC) managed by Department of Public Works (Public Works).

Background

Harbor Data Center supports mission critical data processing and computing for the medical center campus, as well as surrounding healthcare communities and departmental business operations.

There are substantial heat loads generated by computer server racks within the existing data center. The existing Air Conditioning (AC) units are old, severely undersized to meet the current cooling needs of the Data Center, and frequently breaks down. As a result, Harbor has installed numerous self-contained portable cooling units throughout the Data Center to help mitigate the current heat loads generated by the multiple server racks. However, this measure is temporary, not efficient and/or dependable, and the portable cooling units are taxed beyond their normal capability.

In addition, the current Uninterruptable Power System (UPS) is undersized and does not have spare circuits or capacity available for new server systems required for the hospital. Currently, some servers are not protected with UPS power and some Harbor server racks have been temporarily installed at the Internal Services Department Data Center to meet the needs of the hospital. The current UPS system is also unreliable since it has no backup unit. Due to Harbor's current and future reliance on computing systems, the need for an appropriate AC and UPS system within the Data Center is critical to maintain Harbor's operations.

Proposed Project

To mitigate these issues, the proposed Project will replace two old existing AC units in the Data Center with three larger units. The system is designed to have sufficient capacity in the event there is a failure or power loss of one AC unit. The proposed Project will also include an upgrade of the existing UPS system by replacing the existing undersized unit with two larger units to provide for adequate capacity and back up. The existing gas fire suppression system (Halon) will be replaced with a new clean agent fire suppression system, since the existing Halon system is considered hazardous in the event of a release.

The Department of Health Services has been working with Public Works Architectural and Engineering Division staff to complete the design and construction documents for this proposed Project. Construction documents have been approved by the Office of Statewide Health Planning and Development (OSHPD). A change order to modify the design has been submitted to OSHPD and is scheduled to be approved by the end of summer 2012. The construction is planned to be completed by a qualified JOC managed and under contract with Public Works Project Management Division.

Green Building/Sustainable Design Program

The proposed Project will support your Board's Policy for Green Building/Sustainable Design Program by incorporating a new energy efficient AC system.

Implementation of Strategic Plan Goals

The recommended actions will support Operational Effectiveness (Goal 1) and Fiscal Sustainability (Goal 2) of the County's updated Strategic Plan by ensuring reliable availability of medical services to the community.

FISCAL IMPACT/FINANCING

The estimated proposed Project cost for the Harbor HVAC Project is at $1,732,000, including base construction, contingency allowance, design, permitting, inspection services, and project management services. Approval of the appropriation adjustment (Attachment I) will reallocate $1,732,000 from Capital Project No. 86937, DHS Various Refurbishment to Capital Project No. 87041. Sufficient funds are available in the Fiscal Year 2011-2012 Capital Projects/Refurbishments Budget to fund this proposed Project. The proposed Project Schedule and Budget Summary are included in Attachment II.

Operating Budget Impact

This proposed Project will not have an impact on the current operational budget.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The proposed Project will include an allocation of 1 percent of the design and construction budget to comply with the County's Civic Art policy.

ENVIRONMENTAL DOCUMENTATION

The proposed Project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to State CEQA Guidelines Sections 15301 (a), because the Project involves no expansion of existing facility.

CONTRACTING PROCESS

Public Works Architectural and Engineering Division staff has completed the design and construction documents for the proposed Project. The construction is planned to be completed by a qualified JOC managed and under contract with Public Works Project Management Division.

IMPACT ON CURRENT SERVICES

Renovation work will be completed in phases with close coordination with Harbor staff in order to minimize impacts to the existing data center operations.

CONCLUSION

Please return one adopted copy of this Board letter to the Chief Executive Office, Capital Projects Division; Departments of Health Services, Capital Projects Division; and Public Works, Project Management Division.

Respectfully submitted,

WILLIAM T FUJIOKA
Chief Executive Officer

WTF:RLR:DJT
SW:TH:cvb

Attachments

c: Executive Office, Board of Supervisors
County Counsel
Art Commission
Health Services
Public Works

Attachment I

DEPARTMENT OF HEALTH SERVICES: ESTABLISH CAPITAL PROJECT FOR THE HARBOR-UCLA MEDICAL CENTER DATA CENTER HVAC UPGRADE PROJECT (CAPITAL PROJECT NO. 87041), APPROVE PROJECT BUDGET AND RELATED APPROPRIATION ADJUSTMENT (SECOND DISTRICT) (3 VOTES)

APPROPRIATION ADJUSTMENT

PINK (1)

BA FORM 09/09

BOARD OF SUPERVISORS OFFICIAL COPY

COUNTY OF LOS ANGELES

REQUEST FOR APPROPRIATION ADJUSTMENT

DEPT'S. NO. 060

DEPARTMENT OF [CHIEF EXECUTIVE OFFICE]

[MAY 29, 2012]

AUDITOR-CONTROLLER:
THE FOLLOWING APPROPRIATION ADJUSTMENT IS DEEMED NECESSARY BY THIS DEPARTMENT. PLEASE CONFIRM THE ACCOUNTING ENTRIES AND AVAILABLE BALANCES AND FORWARD TO THE CHIEF EXECUTIVE OFFICER FOR HIS RECOMMENDATION OR ACTION.

ADJUSTMENT REQUESTED AND REASONS THEREFOR

FY 2011-2012

3 - VOTES

SOURCES	USES
See Attached	See Attached

SOURCES TOTAL: $ 3,464,000

USES TOTAL: $ 3,464,000

JUSTIFICATION

This appropriation adjustment is to fully fund the Harbor-UCLA Data Center HVAC Upgrade Project (C.P. # 87041) at $1,732,000, by reallocating funds from the Various Refurbishments Capital Project (C.P. #86937).

ADOPTED
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

AUTHORIZED SIGNATURE ~~[NAME]~~ SABRA WHITE

BOARD OF SUPERVISOR'S APPROVAL (AS REQUESTED/REVISED)
33 MAY 29 2012

Sachi A. Hamai
SACHI A. HAMAI
EXECUTIVE OFFICER

REFERRED TO THE CHIEF EXECUTIVE OFFICER FOR ---

☐ ACTION

☑ RECOMMENDATION

AUDITOR-CONTROLLER BY Karen Shiraima

B.A. NO. 167 May 15 2012

☑ APPROVED AS REQUESTED

☐ APPROVED AS REVISED

CHIEF EXECUTIVE OFFICER BY [illegible]

May 16 2012

SEND 6 COPIES TO THE AUDITOR-CONTROLLER

COUNTY OF LOS ANGELES

REQUEST FOR APPROPRIATION ADJUSTMENT

CAPITAL PROJECTS/REFURBISHMENTS

FISCAL YEAR 2011-12

3 - VOTES

FINANCIAL SOURCES

Capital Projects

HEALTH SERVICES
Various Refurbishments
A01-CP-6014-65036-86937
Capital Assets - Building and Improvements — $ 1,732,000
Decrease Appropriation

HEALTH SERVICES
Harbor-UCLA Data Center HVAC Upgrade Project
A01-CP-96-9919-65036-87041
Rev: OperatingTransfers In/CP — $ 1,732,000
Increase Revenue

TOTAL — **$ 3,464,000**

FINANCIAL USES

Capital Projects

HEALTH SERVICES
Various Refurbishments
A01-CP-96-9919-65036-86937
Rev: OperatingTransfers In/CP — $ 1,732,000
Decrease Revenue

HEALTH SERVICES
Harbor-UCLA Data Center HVAC Upgrade Project
A01-CP-6014-65036-87041
Capital Assets-Building and Improvements — $ 1,732,000
Increase Appropriation

TOTAL — **$ 3,464,000**

BA #167 Karen Shikuma 5/15/12

Attachment II

DEPARTMENT OF HEALTH SERVICES: ESTABLISH CAPITAL PROJECT FOR THE HARBOR-UCLA MEDICAL CENTER DATA CENTER HVAC UPGRADE PROJECT (CAPITAL PROJECT NO. 87041), APPROVE PROJECT BUDGET AND RELATED APPROPRIATION ADJUSTMENT (SECOND DISTRICT) (3 VOTES)

I. PROJECT SCHEDULE

Project Activity	Scheduled Completion Date
Jurisdictional Approvals	September 2012
Bid Period	October 2012
Substantial Completion	June 2013
Project Acceptance	August 2013

II. PROJECT BUDGET SUMMARY

Budget Category	Proposed Project Budget
Design/Plans & Specifications**	
Construction	$1,209,550
Change Order Allowance	213,450
OSHPD Permit/Inspection**	0
Consultants/Testing Allowance	25,000
Miscellaneous	17,000
County Services	267,000
**Paid for from DHS Resources	
Total	**$1,732,000**