LOS ANGELES COUNTY

COUNTY OF LOS ANGELES
Internal Services Department
1100 North Eastern Avenue
Los Angeles, California 90063

Dave Lambertson
Director

To enrich lives through effective and caring service.

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October 18, 2006

Agenda Date: November 14, 2006

FILED
2006 OCT 26 PM 2: 29
BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

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:

REQUEST FOR APPROVAL TO PURCHASE COMPUTER EQUIPMENT
(ALL SUPERVISORAL DISTRICTS - 3 VOTES)

CIO RECOMMENDATION:
(X) APPROVE ( ) APPROVE WITH MODIFICATION ( ) DISAPPROVE

IT IS RECOMMENDED THAT YOUR BOARD:

Authorize the Internal Services Department (ISD) to purchase computer server equipment at an estimated one-time cost of $700,000 and computer disk storage equipment at an estimated financed cost of $4,737,000, for a total expenditure of $5,437,000.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

This request is to comply 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.

Computer Server

ISD is purchasing a computer server for the eCAPS project to be located at the Local Recovery Center in Santa Ana. The purchase cost is estimated to be $700,000 and is budgeted in ISD's Fiscal Year 2006-07 Operating Budget.

Computer Disk Storage

ISD maintains disk storage for numerous computer applications in the County. This purchase will provide capacity for new projects, expansion for the growth of existing

applications, and upgrade of the computer storage equipment at the Local Recovery Center. The disk storage purchase exceeds the $250,000 unit cost and will be financed at an estimated total cost of $4,737,000. Funding is available in ISD's Fiscal Year 2006-07 Operating Budget.

IMPLEMENTATION OF STRATEGIC PLAN GOALS

Acquisition of the computer equipment furthers the Board-approved Strategic Plan Goals of Service Excellence, Workforce Excellence, Organizational Effectiveness, and Fiscal Responsibility.

FISCAL IMPACT/FINANCING

There is no additional net County cost associated with this request. All costs are offset by billings to County departments.

The Computer Server costs are estimated to be $700,000 and are included in ISD's Fiscal Year 2006-07 Operating Budget.

The cost of the Computer Disk Storage is estimated to be $3,920,000 and will be financed with LAC-CAL over five years for a total cost of $4,737,000. The estimated partial first-year costs are $473,700, the second-year to fifth-year costs are $947,400 per year, and the final-year costs are $473,700. Funding is available to cover the first-year costs of $473,700 in ISD's Fiscal Year 2006-07 Operating Budget.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

On October 16, 2001, your Board adopted a policy whereby departments must obtain Board approval to purchase or finance equipment with a unit cost of $250,000 or greater.

CONTRACTING PROCESS

These equipment items are a commodity purchase under the statutory authority of the County Purchasing Agent. The purchase will be requisitioned through and accomplished by the Purchasing Agent in accordance with the standard County's Purchasing policies and procedures.

IMPACT ON CURRENT SERVICES

Your approval will ensure that ISD can acquire the resources necessary to operate the County's computer systems.

CONCLUSION

The Executive Office, Board of Supervisors, is requested to return one stamped copy of the approved Board letter to the Director, ISD.

Respectfully submitted,

Dave Lambertson
Director

Reviewed by:

Jon W. Fullinwider
Chief Information Officer

DL:TT:RS:DC:TT:tt

Attachment (1 – CIO Analysis)

c: Chief Administrative Officer
County Counsel
Auditor-Controller

CIO ANALYSIS

REQUEST TO PURCHASE COMPUTER SERVER AND STORAGE DISKS

CIO RECOMMENDATION: ☒ APPROVE ☐ APPROVE WITH MODIFICATION ☐ DISAPPROVE

Contract Type:
☐ New Contract ☐ Contract Amendment ☐ Contract Extension
☐ Sole Source Contract ☒ Hardware Acquisition ☐ Other

New/Revised Contract Term: Base Term: N/A Yrs # of Option Yrs _____

Contract Components:
☐ Software ☒ Hardware ☐ Telecommunications
☐ Professional Services

Project Executive Sponsor: Dave Lambertson, Director ISD

Budget Information :

Y-T-D Contract Expenditures	$
Requested Contract Amount	$5,437,000
Aggregate Contract Amount	$

Project Background:

Yes	No	Question
☐	☒	Is this project legislatively mandated?
☐	☒	Is this project subvented? If yes, what percentage is offset?
☐	☒	Is this project/application applicable to (shared use or interfaced) other departments? If yes, name the other department(s) involved?

Strategic Alignment:

Yes	No	Question
☒	☐	Is this project in alignment with the County of Los Angeles Strategic Plan?
☒	☐	Is this project consistent with the currently approved Department Business Automation Plan?
☒	☐	Does the project's technology solution comply with County of Los Angeles IT Directions Document?
☒	☐	Does the project technology solution comply with preferred County of Los Angeles IT Standards?
☐	☒	This contract and/or project and its milestone deliverables must be entered into the Information Technology Tracking System (ITTS).

Project/Contract Description:

This hardware acquisition is necessary to support the planned expansion of eCAPS functionality to include countywide Time Collection, Purchasing and Inventory Management. The expansion will require an additional computer server and disk storage equipment to ensure optimal day-to-day operations and provide a more robust failover environment in the County's Local Recovery Center (LRC) in Santa Ana.

Approximately 25% of the new disk storage equipment will be used to support the expansion of eCAPS; 25% will be used to support the DPSS Data Warehouse Project and the remaining 50% will be used to support the increasing needs of other ISD Data Center customers.

Background:

To ensure the countywide eCAPS program would remain operational during a failure at the County's Local Recovery Center (LRC) in Santa Ana, funding for additional computers was approved in the Fiscal Year 2006/07. Initially, this equipment will be used to run the failover databases for Financials, Data Warehouse, Budget, and Time Collection. Later, these systems will run as active application servers for Financials and Time Collection.

An expansion of disk storage in the ISD Downey Data Center and at the LRC in Santa Ana is required to support the planned growth of existing customer applications. Increased storage requirements have been identified for the eCAPS Financial database as well as the first year requirements of new applications such as the DPSS SMART Data Warehouse project and the IT Shared Services initiative.

Project Justification/Benefits:

This purchase will:

- Provide the capacity to run the failover databases for eCAPS Financials, Data Warehouse, Budget, and Time Collection at the LRC using the IBM p570 server with 16 processors;
- Increase the primary disk storage capacity from 77 terabytes (TB) to 193TB;
- Increase the capacity of the replication disk storage at the LRC from 24TB to 111TB;
- Expand the Network Attached Storage (NAS) to supplement file servers for the I/T Shared Services (ITSS) initiative;
- Upgrade the LRC NAS to be fully compatible with Downey;
- Acquire NAS virtualization appliances to allow no-downtime file migrations of new ITSS customers; and
- Provide automated operations at the LRC using Autostart disk replication software.

Project Metrics

Successful completion will be achieved with implementation and operation of the new server in the local recovery center, and successful testing of the new disk array.

Impact On Service Delivery Or Department Operations, If Proposal Is Not Approved

Failure to acquire the equipment will seriously affect the ability of the eCAPS and the DPSS SMART systems to support County user needs.

Alternatives Considered:

The eCAPS servers need to be manufactured by IBM in order to be compatible with the existing IBM pSeries servers. The disk storage needs to be manufactured by EMC to be compatible with existing disk storage. IBM servers and EMC disk storage are available from numerous distributors and these purchases will be competitively bid.

Project Risks:

Minimum risks exist for the installation of this equipment because it is compatible with existing servers and disk storage devices.

Risk Mitigation Measures:

Purchasing equipment compatible with existing systems reduces the risks involved.

Financial Analysis:

The one-time eCAPS computer server cost is estimated to be $700,000, and was budgeted as a Fixed Asset item in ISD's FY 2006-07 Operating Budget. This acquisition has been identified and incorporated into the Auditor Controller's annual eCAPS operating budget.

The disk storage will be financed with LAC-CAL funds over five years at an estimated total cost of $4,737,000. Current year funding is available in ISD's FY 2006-07 Operating Budget and future fiscal year costs will be recovered by rate based charges.

CIO Concerns:

None

CIO Recommendations:

Recommend Board approval of this proposed procurement.

CIO APPROVAL

Date Received: September 21, 2006

Prepared by: Janette Parker

Date: October 26, 2006

Approved: 10/26/2006

Date:

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