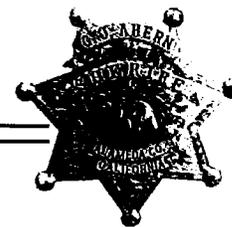


# Alameda County Sheriff's Office

Lakeside Plaza, 1401 Lakeside Drive, 12<sup>th</sup> Floor, Oakland, CA 94612-4305



Gregory J. Ahern, Sheriff

Director of Emergency Services  
Coroner - Marshal

April 19, 2013

Linda Lye  
American Civil Liberties Union Foundation of Northern CA  
39 Drumm Street  
San Francisco, CA 94111

RECEIVED  
MAY 02 2013

Dear Ms. Lye,

In response to your Public Records Request dated April 12, 2013, regarding the Alameda County Sheriff's Office FY 2013-2014 budget, this letter and supporting documentation is provided to detail information regarding our recommended budget. Please be advised that we are still early in the County's budget process, and our final budget will not be known until June 2013.

As indicated in our budget presentation, we have a Net County Cost increase of \$1,962,720 for capital equipment purchases. Attached is our capital equipment request memo that was submitted to the County Administrator listing the items requested and the outcomes of using these items in our operations. This amount, however, does not include the additional \$2,386,755 requested in our grants budget, which is offset with grant funding. Therefore, the \$1,962,720 increase is essentially a result of our grant capital equipment request which will be offset with grant revenues.

Also presented was a Net County Cost increase of \$631,047 due to our contract with Corizon Health Inc. Corizon is the medical provider for both the Santa Rita detention facility and Glenn Dyer Jail. This increase is primarily due to lack of funding for HIV/AIDS medication for our inmates. We have continually paid these costs under this contract; however, we have not been adequately funded to pay our contractual obligations. In addition, our rates are adjusted by the Consumer Price Index (CPI), which was recently at 1.29%. The annual base amount of our contract with Corizon Health Inc. is \$30,371,141.

Our Net County Cost increase also includes \$1,276,451 for our Interdepartmental Service Funds (ISF). These are costs that we are assessed by other County departments. These are costs that we have no fiscal control over. However, as a department we take proactive measures to monitor and reduce our costs whenever possible.

Attached are our costs pertaining to our AB 109 inmates. Due to Realignment, we are no longer receiving revenues from the state for these inmates. Funds for Realignment are received directly by the County and are maintained in a separate designation outside of our budget. We track our costs internally in a designated realignment fund within our department. The administrative staff at our detention and corrections facilities report on a daily basis the number of AB 109 inmates we have in our custody. The costs are tracked on a monthly basis using the number of AB 109 inmates and our established daily rate for the care and custody of an inmate.

I hope this information is sufficient in responding to your public records request. Please feel free to contact our office if you have any further questions.

A handwritten signature in black ink that reads "Simone D. Webster". The signature is written in a cursive style with a large initial 'S'.

Simone D. Webster  
Interim Finance Manager

# Alameda County Sheriff's Office

Lakeside Plaza, 1401 Lakeside Drive, 12<sup>th</sup> Floor, Oakland, CA 94612-4305



Gregory J. Ahern, Sheriff

Director of Emergency Services  
Coroner - Marshal

## MEMORANDUM

**DATE:** March 18, 2013  
**TO:** Susan Muranishi, County Administrator  
**FROM:** Gregory J. Ahern, Sheriff-Coroner *A*  
**SUBJECT:** 2014 CAPITAL EQUIPMENT REQUESTS AND JUSTIFICATION  
TOTAL REQUESTED - \$ 1,988,767; OFFSET BY REVENUE \$103,200

**290100 – Management Services Division** **\$598,000/\$63,000**

**290101 – Administration Support Services** **\$535,000/\$0**

Server Replacement **\$25,000/\$0**

Currently, North County has 2 servers that are more than 8 years of age, along with 2 attached storage devices that are also 8 years of age. The Typical life span for a server is 3 to 5 years. This acquisition would replace the currently aged systems that have had hardware failures. These servers provide a very critical role and the programs and data that it contains are vital to ACSO. **This line item may be removed if the Enterprise Class Storage Project is approved.**

Network Switch **\$10,000/\$0**

The current network switches are at the end of their useful life. Some are more than nine (9) years old, and are likely to fail. They are no longer serviceable by the vendor. Upgrading to new switches will allow for increased system performance and better manageability and security.

**Enterprise Class Storage Project, high efficiency data management system.**

Server/storage consolidation project **\$500,000/\$0**

Currently, the Alameda County Sheriff's Office manages 70 servers with a total estimated storage capacity of 205 Terabytes. We are backing up and saving 101 Terabytes of data. The high crime area video surveillance supported by the Alameda County Board of Supervisors and their Efficiency Initiative requirement to reduce server counts to save energy and be more efficient with resources necessitates this purchase.

In addition, County Counsel's new **Data Retention Policy** states, "data that can be used in litigation must be maintained for 3 years." Therefore, in order to protect our staff and mitigate lawsuits, retaining this data for 3 years or more has become mandatory.

With the installation of surveillance cameras in the jails, on the streets in high crime areas and video cameras now worn by deputies, storage has increased tremendously. These files include videos, photos and voice and/or sound files that typically consume a considerable amount of storage space.

This project and request of \$500,000 is for a high efficiency data management system that would consolidate our server count from 70 to approximately 25 servers. It would reduce file duplication, electricity consumption, server space requirements and cooling. This system would serve as the primary data management architecture and would reduce required manpower to manage the data. It would also provide for better data access, data protection and security by being a high availability, very fault tolerant server/storage and redundant system.

With the approval of this request, other request as follows would NOT need to be funded.

Budget items:

\$25,000 from 290101  
\$30,000 from 290341  
\$28,000 from 290361  
\$56,000 from 290511  
\$70,000 from 290511  
\$34,000 from 290601  
\$14,000 from 290331

- for a total of \$257,000 savings for the hardware alone
- the saving in software would be \$117,300

The potential cost savings from software and hardware is \$374,300.

This data management system would ensure that the Alameda County Sheriff's Office has a high availability and very fault tolerant server/storage solution capable of providing the data storage and data growth requirements with the necessary features of security, duplication management and reduced overhead costs for the next 5 years.

**290111 – CAL ID (All requests backed by revenue) \$63,000/\$63,000**

Replace Livescans \$48,000/\$48,000

Alameda County currently has 36 livescans located at various law enforcement sites. To maintain functionality and meet local and state regulations at a cost of approximately \$12,000 each, four (4) livescans need replacement/upgrade. The portable fingerprint livescans are used inside jail facilities to meet DNA and booking requirements of inmates into custody. Appropriations will be used for the proposed upgrade which includes a CPU, fingerprint scanners and monitors.

Servers \$15,000/\$15,000

The Multi-Agency Unified Imaging System (MUGS) servers require an upgrade to Cogent Mugshot System (CMS) servers. Appropriations are for the replacement of two servers to improve system back-up, data storage and retrieval.

**290300 – Countywide Services Division**

**\$764,100/\$0**

**290331 – Office of Emergency Services**

**\$90,500/\$0**

Server \$14,000/\$0

The Office of Homeland Security and Emergency Services (OHSES) is responsible for operating the County of Alameda's Emergency Operation Center (EOC) which is a 24/7 responsibility. The existing server was purchased in 2005 and is at the end of its useful life. The server has failed twice since October of 2011. Multiple attempts have been made in the past to replace failing parts, but it continues to fail. This server is a domain controller and responds to security authentication requests such as logging in, checking permissions and other network security functions within the Window's Server domain. With the failure of this server, the access to data and the transfer of important information is hindered tremendously which would be detrimental in the case of a local or national disaster. **This line item may be removed if the Enterprise Class Storage Project is approved.**

Server Rack \$5,000/\$0

OES is running out of real estate on the server racks. This will allow us to expand and add additional servers. With this additional rack space we can also allow outside agencies to store disaster recovery servers or servers essential in an EOC activation here in the building.

Blade Servers \$56,000/\$0

The Sheriff's Office is moving towards enterprise level server solutions and virtualization. This blade server could remove most of the physical servers at OES for our agency and other agencies. This server will greatly reduce our energy costs and our footprint in the server room. It will also provide greater redundancy of services within the EOC and will provide less down time in case of a failure. A server takes a few hours to get back online after a failure if you have to rebuild it. With the blade server and virtualization, you have a new server up within minutes.

Roof Antenna Tower \$5,000/\$0

OES has transmission and reception antennas on the roof of the building for various radio frequencies used by the Sheriff's Office and other agencies within Alameda County and the East Bay Region. Over several years, antennas and repeaters have been added to or near the roof antenna tower. The additional equipment needs to be spaced far enough apart to prevent interference with transmissions and reception capabilities. Due to lack of space, interference is now becoming an issue. To fix the problem, an additional antenna tower will need to be purchased and installed so the antennas for our HAM radios can be properly spaced.

Desktop Computer Replacement \$10,500/\$0

OES staff is in need of computer replacements. The staff has Dell Optiplex 780's or older. The existing machines are becoming very slow and are beginning to fail. Staff relies on these computers for everyday work. Without these computers, staff's productivity would be severely reduced. The warranty on these computers expired 12/19/2012. We are requesting all 15 computers to be replaced.

**290341 – Coroner’s Bureau**

**\$255,000/\$0**

Portable X-Ray Machine \$225,000/\$0

Currently, the Coroner’s Bureau utilizes a 70’s era built in X-ray machine with a dedicated X-ray room as part of the autopsy process. The Coroner’s Bureau conducts a full skeletal survey (via X-ray) on all homicide, child death and fire death cases, in addition to any other case deemed necessary. The X-ray process is an integral part of the autopsy process. In FY 2013-2014, the Coroner’s Bureau anticipates a move to the newly remodeled Peralta Oaks building. After discussions with the architectural firm, it was determined the construction costs alone for a dedicated X-Ray room in the new Peralta Oaks building far exceed the purchase cost of a new portable x-ray machine. Those construction costs would be in addition to the cost of having the existing, antiquated, machine moved from its current location. Given those considerations, it is more fiscally responsible to replace this equipment than to move it.

Server \$30,000/\$0

The Coroner’s Bureau stores all of its documents on this server. Because of the expanded operational process, the Sheriff’s IT Department has indicated the expansion of the storage capacity is necessary. **This line item may be removed if the Enterprise Class Storage Project is approved.**

**290356 – Crime Lab**

**\$418,600/\$0**

*Each of the capital equipment items listed below is related to the processing of DNA evidence from homicides, sexual assaults, and other violent crimes. This equipment is necessary to more efficiently handle DNA evidence and eliminate backlogs in the Crime Lab’s DNA section which have doubled in the past year. Additionally, according to the District Attorney’s Office, there are more than 1,200 sexual assault cases from various Alameda County local law enforcement agencies which have never been submitted for forensic analysis. In order to effectively handle this important public safety issue, the Crime Laboratory will have to replace its aging equipment and modernize to a high volume, rapid turn-around time platform to assist the community in the investigation of these crimes.*

3500 Genetic Analyzer \$111,100/\$0

This equipment is necessary to replace the aging 310 genetic analyzers currently being utilized. By the end of calendar year 2013, the 310’s will no longer be supported by the manufacturer, and service and repair will not be possible. DNA analysis cannot be done without this equipment.

GlobalFiler software update for 3130 Genetic Analyzer \$7,500/\$0

The Crime Laboratory’s 3130 Genetic Analyzer is in need of a software upgrade in order to function with new chemistries being developed to permanently replace current chemistries. This will be required by the end of 2013.

7500 Real-time PCR Instrument \$42,500/\$0

The Crime Laboratory currently only has one of these devices used for quantifying the amount of DNA in a sample. This has resulted in undue delays as analysts wait on one another to complete their analytical work.

Genemapper IDX \$45,600/\$0

This software is necessary to properly analyze data from the new chemistries being developed. The old chemistries will be obsolete by the end of 2013.

9700 Thermocycler \$9,000/\$0

This high volume device is used in the amplification of DNA samples and will be required to efficiently work the high volume of cases anticipated in the future.

Maxwell 16 Extraction Instrument \$29,900/\$0

This automated extraction robot is necessary to efficiently extract DNA from forensic samples associated with homicide and sexual assault evidence. Automation of this process will save significant amounts of staff time so that more cases can be completed per analyst.

Qiagility Liquid Handler \$87,000/\$0

This automated, robotic liquid handling system will save significant amounts of staff time in the quantitation, amplification, and sample setup for DNA evidence samples. This equipment is absolutely necessary to produce the high volume of work currently backlogged in the Crime Laboratory as well as the County's police agencies.

SpeedVac DNA Concentrator \$6,000/\$0

This device will allow for low concentration DNA samples to be more highly concentrated so that higher quality DNA can be recovered. This will significantly assist County criminal investigators who are working on violent crimes, homicides and sexual assaults.

Automated Differential Extraction Instrument \$80,000/\$0

This equipment is necessary specifically for the separation of sperm from vaginal epithelial cells found in cases of rape. The current process is highly labor intensive, slow, and costly. Automation of this process will significantly speed up the process of sexual assault kit examination providing investigators with more rapid information and ultimately removing violent sexual predators from the streets of Alameda County.

**290361 – Dispatch** **\$40,200/\$40,200**

Data Storage \$28,000/\$28,000

Data storage is reaching maximum capacity in the Bunker Server Room. This request is to purchase the storage expansion for the existing Storage Area Network (SAN). SAN is an expandable network that will consolidate the data storage for the Computer Aided Dispatch system and Records Management System, and all the file/data servers into one centralized controller. This network will allow additional storage as the needs grow without having to buy additional expensive services. **This line item may be removed if the Enterprise Class Storage Project is approved.**

Motorola APX7000 Portable Radio \$12,200/\$12,200

The Federal Communications Commission (FCC) has mandated that all Public Safety radio communications be Project 25 (P25) compliant by 2017. The Alameda and Contra Costa Counties' East Bay Radio Communications System (EBRCS) is scheduled to be P25 compliant and on-line July 1, 2013.

Emergency Services Dispatch Center (ESD) has two portable radios that serve as backup radios and are instrumental in redundancy and disaster recovery. After July 1, 2013, these two radios must be replaced in order to be compatible with the EBRCS P25 radio system.

**290500 – Detention and Corrections Division**

**\$493,500/\$0**

**290511 – Santa Rita Jail (SRJ)**

**\$393,500/\$0**

Servers \$56,000/\$0

SRJ is the largest server farm at the Sheriff's Office. Several of the servers are failing, out of warranty or are at the end of their life and need to be replaced. At a minimum, we need to replace the print server (for staff to print documents), terminal server (for staff to access a remote desktop from thin clients and mobile data terminals), and the Commvault server (for backing up the users data). There are several benefits from purchasing the required equipment: reduction in downtime because of unplanned maintenance or failure, the new equipment may increase user productivity from the upgraded processing power, and security policy compliance with the new software on the equipment. Servers are replaced every four (4) years due to the vendor's limited warranty of five years. Equipment is purchased a year prior to warranty expiration to implement the data migration to the new equipment. Storage is not included in the server purchases, only memory and processing power. This line item is necessary to ensure High Availability (HA), Disaster Recovery (DR) options, and security of the Counties Data. **This line item may be removed if the Enterprise Class Storage Project is approved.**

Data Storage \$70,000/\$0

Data storage is reaching maximum capacity. The Storage Area Network (SAN) is an expandable network that will consolidate the server storage at the SRJ site into one processor. There are several benefits for this project. This network allows us to increase storage without having to buy expensive and unnecessary servers, High Availability (access to storage with certain failures), Disaster Recovery (ability to recover files for users if missing, deleted or corrupted) and data retention policies (for better utilization of storage by archiving or removing aged data). Last year, we were able to purchase two SAN chassis' to implement the transition of storage. This year, the purchase of one additional SAN chassis is necessary for Disaster Recovery/High Availability, the introduction of video/audio storage for surveillance, and the increase of files means we need more storage to enable us to back up the files we keep. Storage is replaced every four (4) years due to the vendor's limited warranty of five years. Equipment is purchased a year prior to warranty expiration to implement the data migration to the new equipment. We also have three chassis that are going to be out of warranty in 2013, which need to be replaced. **This line item may be removed if the Enterprise Class Storage Project is approved.**

Milnor Model 48040F7J Industrial Soft Mount Washer Extractor \$100,000/\$0

The laundry has five (5) washing machines. These machines have a service life of twenty (20) years in our seven day per week laundry operation. Four of these machines are twenty-six (26) plus years old and one is twenty-one years old. All five machines have constant maintenance issues and they need to be replaced. The amount requested will replace one washer which is \$45,000 including freight and tax. The additional amount covers the removal of the old washer, installation of the new washer, and modifications for the new installation.

Network Switches \$17,500/\$0

Santa Rita Jail houses inmates in 18 separate units. These units are called housing units that are completely separate from the other units. Network switches were installed in each housing unit in 1999. The life span on this equipment (network switches) is five (5) years. There is a need to replace

five (5) switches annually for the next four (4) years to replace this antiquated equipment. In the event of a switch failure, all of the computers in that housing unit would fail. In the result of computer failure in the housing unit, all information about inmate appointments and movement would need to be tracked manually by using pencil and paper. This would require a major increase in overtime to comply with mandated fire (fire watch) and operational needs.

Voice Recording System \$150,000/\$0

SRJ utilizes voice logging and recording technology in its daily operations throughout the facility. A Voice data logger, an electronic device, records data over time in relation to location with either a built in instrument or sensor via external instruments and sensors, which is processed with a digital processor, i.e., computer. Such systems are expensive, possibly costing hundreds of thousands of dollars when purchased new, and require regular maintenance and updates. The amount requested is for replacement of the current system, as it does not meet DOJ mandates concerning security and will integrate with other such systems currently in use throughout ACSO.

**290541 – Detention and Corrections Administration** **\$100,000/\$0**

Camera System \$100,000/\$0

Detention and Corrections Administration is requesting two camera systems for security throughout the Intake, Transfer and Release (ITR) and sally areas of the Santa Rita Jail facility. These camera systems will enable staff to monitor vulnerable areas that currently do not have surveillance in addition to upgrading and enhancing existing camera systems. Most existing cameras are 20 years old and antiquated and do not capture all areas leaving blind spots. This security camera system upgrade is essential to the facility to limit or alleviate potential escape risks, lessen risk of lawsuits and ensure compliance with the Prison Rape Elimination Act. The number of cameras is unknown at this time due to the different models, abilities and manufacturers.

**290561 – Adult Medical Services** **\$7,500/\$0**

Medical Records Storage \$7,500/\$0

An upgrade to the security and storage capabilities of Corizon's medical records is needed. This would include the addition of cabinetry doors to the existing shelving/cabinets in the archive and pharmacy areas. This project was originally budgeted for FY 12-13, but due to unforeseen delays, management turnovers, this project has not been completed.

**290600 – Law Enforcement Services Division** **\$85,467/\$0**

**290601 – Eden Township Substation** **\$70,467/\$0**

VieVu Camera Storage \$34,388/\$0

The VieVu camera system allows deputies in the field to capture both audio and video recordings of incidents to support criminal cases (as evidence). This evidence can be sent to the District Attorney's Office for criminal prosecution and provide staff with the ability to capture these events, incidents involving false allegations or alleged misconduct which could be factually mitigated and reduce Risk Management expenditures on lawsuits. Sheriff's Office currently has 120 of these personnel video cameras, each with the ability to capture these events. Each VieVu camera is capable of storing 4 gigabytes of data which equals about 4 hours of recording. This data is then downloaded to a secure hard-drive for evidence preservation where it will be stored for 3 years as required by current data

retention Policy and Procedures set by Alameda County Counsel. Based on our potential storage needs, of 1 Gigabyte/per hour with an average daily upload of 2 gigabytes/per day with 120 cameras comes to about 240 gigabytes/per day or 1.6 terabytes/week, 86 terabytes/year and 256 terabytes for 3 years. **This line item may be removed if the Enterprise Class Storage Project is approved.**

Automated License Plate Reader Replacement \$36,079/\$0

Eden Township Substation currently uses three (3) Automated License Plate Readers (ALRP) purchased through a vendor known as "PIPS Systems" to identify vehicles whose license plate information has been entered into the National Crime Information Center or other law enforcement data bases enhancing the Agency's ability to identify stolen vehicles and to recover them. This technology improves officer safety, eliminates claims of profiling and improves resource efficiency and utilization. The service life expectancy of this equipment is three years, and ETS purchased these systems in FY 2009. The new PIPS Systems are estimated at: \$16,550 each plus sales tax \$2,979.

**290611 – Warrants, Records & Crime Analysis** **\$15,000**

Lobby Safety Project \$15,000/\$0

The Criminal Records Section of Warrants & Records is made accessible, at ETS, to citizens Monday through Friday 8am to 5pm. Citizens use this front lobby to obtain criminal records, get fingerprinted, register as a Sex, Arson or Drug Registrant and request incident reports. Often times, professional staff have to deal with belligerent and uncooperative citizens at the front counter. Currently, there is no barrier between staff and citizens. It is requested that a safety structure be installed, which would be essential to staff safety. It would give professional staff time to call for assistance should that step be necessary. The total cost for this project is estimated to be \$15,000.