036 - Capital Projects

Operational Summary

Description:

The Capital Projects Budget consists of recommended new and previously approved capital projects and major maintenance projects with the following two exceptions:

1) Since FY 1997-98, all new capital projects which are funded by departmental revenue are mostly budgeted directly in the departmental budget.

2) Capital Projects requests which fall under an agency/department responsibility, such as OC Parks, Road, OC Flood, John Wayne Airport, OC Community Resources, OC Dana Point Harbor, and OC Waste and Recycling are excluded from the Capital Projects process. Capital Projects related to these programs are prioritized and budgeted by the responsible department/agency in its specific capital budget.

At a Glance:

Total FY 2011-2012 Current Modified Budget:	50,650,383
Total FY 2011-2012 Projected Expend + Encumb:	46,806,131
Total Recommended FY 2012-2013	8,425,241
Percent of County General Fund:	0.27%
Total Employees:	0.00

FY 2011-12 Key Project Accomplishments:

- Completed the replacement of high voltage electrical transformers and main switchgear at Building 12, Building 14, and COC Building C. Completing these projects reduced the risk of electrical service disruption, avoids costly repairs to out-dated equipment and enhances safety for maintenance staff servicing equipment.
- Completed the replacement of the full building Emergency Generator at the Hall of Administration (HOA) project. Replacement of the generator and associated electrical switch gear ensures uninterrupted power for the HOA building in the event of a power outage or other emergency.
- Completed the replacement of the over 43-year old switchgear, controls and transformer at the Central Utility Facility (CUF) described as Substation A. The project lowers the risk of service disruptions for the CUF electrical service to the Civic Center, Sheriff-Coroner jails complex, State Courts and the Central Utility Facility. The new Substation A enhances safety for maintenance staff servicing the equipment and avoids the need to make costly repairs to out-dated equipment.
- Completed design phase at the Central Utility Facility of the CUF - Remove Cooling Tower Enclosure and increase Condensate Piping project. Construction documents are ready to bid out work in FY 12/13. The project will improve the facility's ability to withstand the impact of an earthquake and it increases condensate piping sizes that will in turn greatly increase the efficiency of plant operations.
- Completed design phase and awarded a Job Order Contract (JOC) for construction at the Hall of Administration (HOA) for the installation of replacement chilled water valves and variable frequency drive (VFD) pumps. Currently, 3-way valves are installed with constant volume pumping. Retrofitting with 2-way valves will allow a VFD pumping system to be installed, which will provide energy savings.
- Completed design phase for the Hall of Administration - Replace 4160 Transformer and 480 Distribution project. Construction documents are ready to bid out work in FY 12/13. The project will improve the reliability of the facility's electrical service.

- Completed the replacement of the roof of Building C at the County Operations Center (COC). This project replaced the deteriorated roof and provided a new 20 year warranty against water intrusion.
- Completed design phase for the replacement of Elevator Controls and Controllers for the Gates Building project. Construction documents are ready to bid out work in FY 12/13. The project will ensure the safe operation of the elevators and bring the controls into compliance with ADA requirements.

Budget Summary

Plan for Support of the County's Strategic Priorities:

Capital Projects Budget Control 036 Request include $10,954,967 Appropriations, $358,000 Revenue, and $10,596,967 Net County Cost for new and carryover capital and critical maintenance repair projects for various County facilities. In addition, $8,907,609 for new maintenance and repair projects are recommended to be funded from other County funds.

Changes Included in the Recommended Base Budget:

The requested 036 budget Net County Cost (NCC) for FY 2012-13 is $10,596,967, which includes:

1. $7,878,338 for carryover capital projects from FY 2010-11,
2. $1,952,143 for new capital and critical maintenance repair projects,
3. $766,486 for mid-year contingencies and change orders

The requested 036 budget for FY 2012-13 is $2,529,726 over NCC limit of $8,067,241. The NCC overage is due to increase in carryover projects and $1 million loss of revenue transfer from Criminal Justice Facilities Fund 104. Fund 104 ongoing revenue is reduced by $1 million for correction of revenue for State Controller Court Revenue Audit findings. Budget Control 036 submitted $2,529,726 Reduce level of service augmentations to meet NCC limit and equivalent amount of Restore level of service augmentation submitted to restore funding for critical capital and maintenance repair projects.

The following projects will be funded from the restore level of service Augmentation $2,529,726:

- Facilities Master Plan $111,097
- Sheriff- Design to Repipe HVAC Hot & Chilled Water Sys CMJ/CWJ - (MRP) $ 482,776
- Bldg 10- Replace Card Access System $99,252
- Bldg 12 - Replace Card Access System $129,962
- Comprehensive Building Assessment-HVAC, Roof, Electrical $202,893
- Gates-Replace HVAC Pneumatics $180,210
- MOB - Replace VAV Boxes – HVAC $136,128
- Bldg 12 - Replace Exterior Doors Design & Construction $42,836
- Sheriff - Musick -Rehab East Kitchen $188,086
- Sheriff -Theo Lacy- Correct Inmate Clothing Storage System $40,000
- Sheriff - CJX & HQ- Replace water pumps & regulators $40,000
- Sheriff -Loma Ridge- Re-design HVAC system $30,000
- Sheriff -Theo Lacy- Fire Access Road $150,000
- Sheriff- Aliso Viejo Station-Security Improvements to Lobby $30,000
- Contingency Projects $666,486

Requested Budget Augmentations and Related Performance Results:

Unit Amount	Description	Performance Plan	BRASS Ser.
Restore Net County Cost for Capital Projects Amount:$ 2,529,726	Restore $2,529,726 for capital projects for County and Sheriff Jail facilities.	Restoration will enable the County to protect buildings and infrastructure.	2569

Recommended Budget History:

Sources and Uses	FY 2010-2011 Actual	FY 2011-2012 Budget As of 3/31/12	FY 2011-2012 Projected[1] At 6/30/12	FY 2012-2013 Recommended	Change from FY 2011-2012 Budget Amount	Change from FY 2011-2012 Budget Percent
Total Revenues	1,131,498	1,501,032	173,437	358,000	(1,143,032)	-76.15
Total Requirements	4,289,145	50,650,383	49,683,211	8,425,241	(42,225,142)	-83.37
Net County Cost	3,157,647	49,149,351	49,509,774	8,067,241	(41,082,110)	-83.59

(1) Requirements include prior year encumbrance and expenditures. Therefore, the above totals may not match FY 2011-12 projected requirements included in "At a Glance" (Which exclude these).

Columns may not total correctly due to rounding.

Detailed budget by expense category and by activity is presented for Budget Control: Capital Projects in the Appendix on page A49

FY 2012-2013 New Capital Project Requests

Number	Project Description	Dept Req	CEO Approved Projects Agency 036	CEO Approved Projects Other Agency
Information Technology Internal Service Fund				
1	**OC Data Center - Leak Detection and Fire Suppression Systems**	380,000		380,000

Justification/Comments:
The data center's current (water) fire suppression and leak detection systems were originally installed in 1990. Unlike the fire suppression system in most buildings, data center systems do not allow water to reside in the piping to ensure that a water leak does not destroy very expensive computer assets. Over the last three years six sections of the piping where repaired due to corrosion and the plumbing could no longer hold the pressure. In 2010 the data center had an independent professional study completed to assess the condition of the piping. The assessment called for the complete replacement of the water suppression plumbing. Failure to approve this project at the data center may increase the chances of not passing our annual city fire safety tests and not meeting required fire codes. In addition to the new plumbing we are also looking to implement a new nitrogen gas pressure system that will extend the life of the new plumbing to 35 years. The leak detection system is required to ensure the Data Center is aware of a under floor leaks from cooling equipment, condensation, and other sources. Data centers are built with raised floors, so leaks can go unidentified unless the facility has a working under-floor leak detection system. The Orange County Data center has over 55,000 square feet of raised flooring. These systems will significantly decrease the possibility of extensive water damage, floods, fire, and electrocution. The Data Centers system has been out of operation since 2010 and presents a significant health and safety risk. In 2011 the design specification for bid was completed. This funding will be used to award the bid and make the critically needed repairs to our existing systems. This project addresses the health/safety issue posed by the current system that is not working properly. If there is a leak under the flooring it may not be detected in time to mitigate the issue. Deferring this project will put the County at risk and loss of significant IT assets.
Recommendations:
Recommend funding from Information Technology ISF. (289-017-289-P633-4200-I330-XDDS3000)

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects Agency 036	CEO Approved Projects Other Agency
2	**OC Data Center - Upgrade OCDC Physical Security Card Access**	150,260		150,260
	Justification/Comments: The Orange County Data Center houses most of the County's critical Information Technology, IT assets, and applications. The data center operates 24 hours a day/7 days a week/365 days a year. It is imperative that staff can securely enter and exit the facility at all hours. We have over 300 County, contract, and client staff that require pre-approved access to the data center. Admittance to secured locations is controlled via badge access, which allows staff to specifically access only those locations within the data center or other County facility as required. Currently, the Data Center's badge access system does not interface with the County's standard Lenel system. The Lenel system manages badge access to all of the other County facilities. This presents significant issues, since Data Center staff is required to support two separate systems. Data Center staff is also responsible for supporting IT in over 40 other County facilities. This makes managing staff assess and the provisioning/de-provisioning of staff very complicated and cumbersome. By upgrading the data center system to the County standard we can ensure that Data Center access to properly managed from an end to end perspective. Currently, it could take up a week to remove a staff member that has been dismissed from various systems. A common data base would allow it to be performed in minutes. This project ensures that Data Center does not compromise security requirements and can provide an additional layer of safety at the OC Data Center. **Recommendations:** Recommend funding from Information Technology ISF. (289-017-289-P638-4200-I330-XDDS300)			
3	**OC Data Center - Replace Perimeter Monitoring System**	75,930		75,930
	Justification/Comments: The Orange County Data Center houses the County's most critical Information Technology (IT) assets. The facility is required to operate 24 hours a day/7 days a week/365 days a year. The facility also has technical and vendor staff entering and leaving the Data Center at all hours to perform repair actions. The perimeter motion detection system which surrounds the entire facility provides early warning to onsite Data Center staff that someone has crossed over the security fencing and is within 30 feet of the facility. The Data Center generates millions of dollars of revenue annually by leasing floor space to clients such as CalOptima, State of California, and LA County. It is imperative to secure their investments and staff as well. The Data Center also needs to protect its diesel fuel supply and technical vans from theft and tampering. The current system is over 10 years old and is in need of replacement. The existing infrared transmitters and receivers are no longer operational. Over the last 10 years the Data Center has not suffered any significant security incidents (data center break ins, diesel fuel theft, automobile thefts, assaults, tagging, etc.). This is directly due to the having a function perimeter security system. This project addresses the health/safety issue by providing security for staff working after hours. Deferring this project will pose a safety issue and put the facility at risk of vandalism/damage. **Recommendations:** Recommend funding from Information Technology ISF. (289-017-289-P639-4200-I330-XDDS300)			
OC Public Works				
4	**Arc Flash Hazard Analysis-Reports and Warning FY 12-13**	200,000	200,000	
	Justification/Comments: This project is for the retention of Architect/Engineer (A-E) to perform analysis and to provide single line diagrams, equipment identification report(s), short circuit study, protective device coordination study, Arc Flash hazard report(s), develop County safety program, warning labels, energized electrical work permits, and provide equipment maintenance requirements report(s) at County Buildings to be identified. The agreement will be for on-call A-E services. In 2007, the Federal Occupational Safety and Health Administration (OSHA) updated the Code of Federal Regulations, 29CFR-1910, Subpart S, electrical safety standards, to include Arc Flash Hazard Analyses. An Arc Flash Hazard Analysis is a study performed on the electrical system of a building/facility. Data is gathered on the system and entered into a computer software program that calculates the amount of incident energy that can be released if an arc flash were to occur. In addition to outfitting employees with properly rated personal protective equipment, data from the arc flash hazard analysis is used so facility operators (employees) can adjust settings on equipment to lower the potential danger while keeping workers safe when performing work on or near energized equipment. Without a proper Arc Flash Hazard Analysis, it is not possible to adequately determine protections needed for employees who work on or near energized equipment. As noted above, current OSHA regulations require that an Arc Flash Hazard Analysis be conducted. Fines and Penalties could be issued for non-compliance. The County is responsible for providing a safe working environment for employees who work on or near energized equipment. This is a muti-phased project requiring analysis of all County owned facilities. The first phase will consist of establishing a list of various locations taking into consideration the most critical needs first. Total project cost for this first phase is anticipated to be $200,000. **Recommendations:** Recommend funding $200,000 from 036 Budget. (100-036-036-PC02-1400)			

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects	
			Agency 036	Other Agency
5	**Building 10 - Replace Card Access System**	99,252	99,252	

Justification/Comments:
Building 10 access control system is at end-of-life and replacement materials and software support is no longer offered by Sielox the manufacture. Instability in Sielox software causes database corruption and regularly "crashes", which interferes with the Sheriff client workstation located in the first floor security kiosk. The system limitations have forced Facilities Operations to manage eight separate databases, which results in duplicative work that increases chances of data entry errors and security concerns. Routine administrative tasks that should take less than a minute are taking 15 minutes or longer. Sielox reporting capabilities are inefficient and sometimes unreliable for human resource investigations. The Sheriff's staff in Building 10 uses the Sielox system and a separate DVR video system daily to manage and monitor the security of the facility. These two systems are separate cannot be integrated. Lenel is the new standard access control system for County facilities. Lenel is currently installed in 20 County facilities. The goal is to convert all facilities to Lenel to have a single database to manage cardholder's access in all County facilities. Agencies that are using Lenel have seen an increase in efficiency, reliability and productivity from Facilities Operations. Lenel offers advanced technologies to resolve all the limitations and stability concerns of the Sielox system. Lenel can seamlessly integrate with the Building 10 DVR video system offering a single interface and database. The software is highly customizable and will simplify the Sheriff software tasks and increase duress reliability. The conversion process includes replacing the Sielox reader controllers for 113 card readers and converting the Sielox database to Lenel. Materials for this project were purchased in 2010 in the amount of $38,000. Total project cost, including labor and incidental materials, is anticipated to be $99,252.
Recommendations:
Recommend funding $99,252 from 036 Budget. (100-036-036-PC03-1400)

6	**Building 12 - Replace Card Access System**	129,962	129,962	

Justification/Comments:
Building 12 access control system is at end-of-life and replacement materials and software support is no longer offered by Sielox the manufacture. Instability in Sielox software results in system "crashes" and causes database corruption. The system limitations have forced Facilities Operations to manage eight separate databases, which results in duplicative work that increases chances of data entry errors and security concerns. Routine administrative and maintenance tasks that should take less than a minute are taking 15 minutes or longer. Sielox reporting capabilities are inefficient and sometimes unreliable for human resource investigations. Lenel is the new standard access control system for County facilities. Lenel is currently installed in 20 County facilities. The goal is to convert all facilities to Lenel to have a single database to manage cardholder's access in all County facilities. Agencies that are using Lenel have seen an increase in efficiency, reliability and productivity from Facilities Operations. Lenel offers advanced technologies to resolve all the limitations and stability concerns of the Sielox system. The conversion process includes replacing the Sielox reader controllers for 164 card readers and converting the Sielox database to Lenel. It is not necessary to replace installed lock hardware or readers. Materials for this project were purchased in 2010 in the amount of $48,000. A failure will prevent Facilities Operations from deactivating badges, changing access levels, and performing routine maintenance throughout the facility including exterior doors. Materials for this project were purchased in 2010 in the amount of $48,000. Total project cost, including labor and incidental materials, is anticipated to be $129,962.
Recommendations:
Recommend funding $129,962 from 036 Budget. (100-036-036-PC04-1400)

7	**Comprehensive Building Assessment - HVAC, Roof, and Electrical**	202,893	202,893	

Justification/Comments:
This project will assess and report on the condition of County owned facilities including site, architectural, mechanical, electrical and structural disciplines for improved management of County buildings. A facility assessment is required to document the current physical condition of County buildings. A facility assessment will provide the technical information needed to make informed decisions regarding maintenance and capital improvements. Results of conducting the Building Assessments will provide for more efficient use of limited funds available to maintain the County's inventory of buildings and infrastructure.

This is a muti-phased project requiring analysis of all County owned facilities. The first phase will consist of establishing a list of various locations taking into consideration the most critical needs first. Total project cost for this first phase is anticipated to be $202,893.
Recommendations:
Recommend funding $202,893 from 036 Budget. (100-036-036-P08-1900)

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects	
			Agency 036	Other Agency
8	**Gates Building - Replace HVAC Pneumatics**	180,210	180,210	
	Justification/Comments: This project will replace the existing pneumatic controls for the supply and return air fans with new state-of-the-art Direct Digital Controls (DCC) technology and install variable speed drives and controls. Currently, pneumatic controls operate the individual fans. The pneumatics were state-of-the-art when installed, the controls have deteriorated to a point where the fans can no longer be controlled correctly. New DDC technology is far superior and utilizes direct electronic signals to perform the complex coordination of controlling, monitoring, and managing the functions of a building's HVAC systems. The DDC technology will increase the accuracy and reliability over the existing pneumatic controls and will reduce energy costs through more efficient management and control. Failure to replace this equipment may cause minor problems to escalate into major system and equipment failures. These failures could be costly. Total project cost is anticipated to be $197,662. An amount of $180,210 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14. **Recommendations:** Recommend funding $180,210 from 036 Budget. (100-036-036-PC05-4200)			
9	**Manchester Office Building - Replace Variable Air Volume Boxes - HVAC**	136,128	136,128	
	Justification/Comments: Variable Air Volume (VAV) box replacement is primarily needed due to the equipment is beyond its life-cycle. This project will replace the existing outdated VAV boxes to a new modern system. The VAV boxes regulate the heating and air conditioning for different zones and demands throughout the building. Currently, maintaining a constant static pressure throughout the building is not possible due to the aging systems and the various office space reconfigurations and rearrangements throughout MOB over the past two decades. A properly functioning system will increase the reliability and efficiency over the existing boxes and will help reduce energy costs throughout the system as well as deliver improved environmental conditions for health and comfort expectations. Failure to replace this equipment may cause minor problems to escalate into major costly system and equipment failures. Total project cost is anticipated to be $445,293. An amount of $136,128 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14. **Recommendations:** Recommend funding $136,128 from 036 Budget. (100-036-036-PC06-4200)			
10	**Building 12 - Replace Exterior Doors Design and Construction**	42,836	42,836	
	Justification/Comments: The Capital Improvement Plan (CIP) for Fiscal Years 2012-13 through 2016-17 is the County's compilation of a long term list of significant projects funded by General Funds in the Agency 036 Capital Projects budget. The exterior doors on Building 12 are worn and require increasingly extensive repairs to maintain building security. The door closers that are used in this location are no longer manufactured and the frames are flexing do to wear. On several occasions Building 12 could not be secured because of door hardware failure. The County is spending several man hours weekly to ensure the security of the building is maintained due to the unreliability of these door assemblies. The County only has two Locksmiths to handle the County's demands and Building 12 is consuming too much of this limited resource considering its facility type. The best cost effective option is to replace the doors. Total project cost is anticipated to be $212,789. An amount of $42,836 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14. **Recommendations:** Recommend funding $42,836 from 036 Budget. (100-036-036-PC07-4200)			
11	**Glassell Yard - HVAC Retrofit Study**	78,106		78,106
	Justification/Comments: OC Public Works is proposing that the County conduct a study to establish HVAC requirements at the Glassell Yard to better provide for future needs at the site. Building 2301 is currently experiencing heating problems. This project will provide OC Public Works with a design scheme and estimates for future HVAC requirements at the Glassell Yard. The project will provide economic benefits to the County through evaluation of equipment requirements and design for the best return on investment of the County's dollars for HVAC upgrade and maintenance at the campus. Without the design study the County risks making expenditures on maintenance that have not been evaluated for the best return on investment of the County's dollars for HVAC upgrade and maintenance at the Yard. Total project cost is anticipated to be $78,106. **Recommendations:** Recommend funding from Flood.(400-080-400-3300-1900)			
12	**222 E. Bristol Lane, Orange - Rehabilitate Roof**	143,137		143,137
	Justification/Comments: The Capital Improvement Plan (CIP) for Fiscal Years 2012-13 through 2016-17 is the County's compilation of a long term list of significant projects funded by General Funds in the Agency 036 Capital Projects budget. This project will be to re-coat and rehabilitate the existing roof to obtain a 10 year manufacturer roof warranty. Failure to rehabilitate this roof may cause major water leaks to the roofing system damaging interior office furnishings and equipment, which could result in costly and time consuming repairs and replacement. Total project cost is anticipated to be $143,137. **Recommendations:** Recommend funding from Flood.(400-080-400-3300-1400)			

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects	
			Agency 036	Other Agency
13	**Central Justice Center - Parking Structure-Elevator Modernization**	58,133		58,133
	Justification/Comments: This project will provide for the modernization of elevator controls and controllers on the two elevators in the parking garage that serves the Central Justice Center. The elevators will be modernized to meet current State elevator codes and ADA requirements. Due to the age of the elevators, it is becoming expensive to service and difficult to find replacement parts. The diagnostic tools needed to trouble shoot equipment problems is DOS based and no longer manufactured or available for purchase. There are limited resources that possess the software diagnostic tool for data acquisition and are billing a prime rate of $250 per hour for a service call. In addition, these elevators need to meet new State Elevator Codes and current ADA requirements. When the elevators equipment fails the elevators could be "out of service" for weeks to months depending on the availability of replacement parts or if the part requires custom manufacturing. Total project cost is anticipated to be $374,279. An amount of $58,133 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14. **Recommendations:** Recommend funding from OC Civic Center Parking Fund 828.			
14	**Manchester Office Building (MOB)- Replace Card Access System with Lenel**	45,598		45,598
	Justification/Comments: The MOB access control system is end-of-life and no longer supported by the manufacture (Sielox). Instability in Sielox software results in system "crashes" and causes database corruption. Several limitations in Sielox forced Facilities Operations to manage eight separate access control systems including MOB. Routine administrative and maintenance tasks that should take less than a minute are taking 15 minutes or longer. Sielox reporting capabilities are inefficient and sometimes unreliable for human resource investigations. Lenel, the manufacture, is the new standard access control system for County facilities. Lenel is installed in 20 County facilities. The goal is to convert all facilities to a single Lenel database to manage cardholder's access in all County facilities. Agencies that are using Lenel have seen an increase in efficiency, reliability and productivity from Facilities Operations. Lenel is a modular system offering several features that agencies have requested including the ability to print and manage key cards, manage access levels and generate reports. The conversion process includes replacing the Sielox reader controllers for 20 card readers and converting the Sielox database to Lenel. It is not necessary to replace installed lock hardware or readers. Minimal downtime can be expected per door during the conversion. Obtaining replacement materials to maintain the MOB reader system will become difficult. A system failure will prevent Facilities Operations from deactivating badges, changing access levels, and performing routine maintenance throughout the facility including exterior doors. Managing the Sielox system is inefficient and increases labor costs due to aged hardware and duplicative administrative work. Total project cost is anticipated to be $45,598. **Recommendations:** Recommend funding from OC Public Works (080) and Manchester Office Building users.			
15	**OC Law Library- Building Maintenance and Capital Projects**	3,310,315		3,310,315
	Justification/Comments: The project is to implement retrofit actions to address remedial needs of building which include: water penetrates through joints and unsealed vertical concrete walls of 1970 building. Seismic retrofit would bring building to the current standards. Efforts expended to repair and patch leak locations have not remediated underlying deficiencies, and remedial steps now would reduce long term maintenance costs. Creation and application of on-going maintenance plan to prevent water intrusion will prolong useful life of building. Total project cost is anticipated to be $3,310,315. Maintenance costs are estimated at $266,486 and seismic retrofit costs are estimated at $3,043,829. **Recommendations:** Recommend funding from OC Law Library (161).			
16	**OC Community Resources - Replace Cooling Tower- 1770 Broadway**	160,394		160,394
	Justification/Comments: This project will replace the existing cooling tower located on the roof at OC Community Resources. The cooling tower has exceeded its anticipated life expectancy and is leaking severely. The frequent repairs are costly and can impact the consistent delivery of services to customers. Replacing the cooling tower will ensure continued reliability and reduce cost through improved operations at the facility. Failure to replace this equipment may cause major system and equipment failures. These failures could be costly, time consuming, and may interrupt activities including the timely delivery of public services. Total project cost is anticipated to be $166,402. An amount of $160,394 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14. **Recommendations:** Recommend funding from OCCR. (100-012-012-1100-1402-CXBRBLDG)			

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects	
			Agency 036	Other Agency
17	**Osborne Building - Replace HVAC Pneumatics**	147,414		147,414
	Justification/Comments: This project will replace the existing pneumatic controls for the supply and return air fans with new state-of-the-art Direct Digital Controls (DCC) technology and install variable speed drives and controls. Currently, pneumatic controls operate the individual fans. Although the pneumatics was state-of-the-art when installed, the controls have deteriorated to a point where the fans can no longer be controlled correctly. New DDC technology is far superior and utilizes direct electronic signals to perform the complex coordination of controlling, monitoring, and managing the functions of a building's HVAC systems. The DDC technology will increase the accuracy and reliability over the existing pneumatic controls and will reduce energy costs through more efficient management and control. Failure to replace this equipment may cause minor problems to escalate into major system and equipment failures. These failures could be costly. Total project cost is anticipated to be $163,812. An amount of $147,414 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14. **Recommendations:** Recommend funding from OC Public Works (080) and Osborn building users.			
18	**Central Utility Facility - Demo Boilers, New Steam Headers Condensate Tank and Piping**	166,122		
	Justification/Comments: This project will be demolition of three obsolete boilers. The work will include installing new high pressure steam header; new secondary steam feed piping from the new turbine hall; and a new low pressure steam header. Included in the work will be provisions for future donkey boiler for back-up thermal capacity; future steam discharge header, gas and feed water connections; and related control systems. Work will include replacement high-temperature condensate return tank and return lines to the de-aerating tank (DA). If new steam headers and piping from the new turbine hall to provide higher quality of steam are not installed there may be a significant economic impact to the County. Failure to provide a sufficiently high quality steam to plant systems will cause corrosion and deterioration of piping and equipment. Failure of equipment caused by corrosion and deterioration could cause loss of heating and cooling, impacting Public and County employee health and safety due to the lack of air conditioning and heating in the buildings. Total project cost is anticipated to be $2,096,594. An amount of $166,122 is requested to be spent or encumbered in FY 12-13, $1,874,922 in FY 13-14, and with the balance required in FY 14-15. **Recommendations:** Defer for future funding.			
19	**CUF-Replacement Primary-Secondary Plant Piping and SCADA Replacement and Upgrade**	383,210		
	Justification/Comments: This project calls for the installation of six new skid mounted primary loop chiller/absorber supply pumps and all correlated electrical feed equipment and piping systems for improved flow controls to chillers and absorbers. Installation includes: control devices; communication devices; valves and other equipment and technology required to upgrade Supervisory Control and Data Acquisition (SCADA); SCADA programming, mapping of controls and data points to be upgraded to accommodate a sequence of operations that will automate the original plant systems with the co-generation facility. These key components are essential to the plants ability to efficiently and reliably provide chilled water to Civic Center buildings. The existing plant is presently running at a far less effective manner due to the inadequacy of present piping and pump design. The campus' loads have greatly increased over the last 43 years, creating diverse demands on the plant, which the current design is unable to efficiently meet. The age of this system of piping and pumps additionally makes it a large liability to the stability of the plant operations. Failure to replace aging piping and equipment could result in equipment failures. Failure of equipment could cause loss of heating and cooling, impacting air conditioning and heating in the buildings. Total project cost is anticipated to be $5,201,136. An amount of $383,210 is requested to be spent or encumbered in FY 12-13, $4,700,237 in FY 13-14, and with the balance required in FY 14-15. **Recommendations:** Defer for future funding.			
20	**OCCR - Install Lonworks - 1770 Broadway**	69,511		
	Justification/Comments: The current facility does not have a building automation system installed, so it is controlled by standalone thermostats. Significant labor cost saving benefits could be achieved in converting buildings to direct digital control for the HVAC system. Systems have the ability to develop operational graphics screens that allows a monitoring technician at Facilities Operations to see the status of equipment operation (on/off), equipment operating temperatures and pressures, air flows, thermostat settings, room temperatures for an HVAC system in a remote facility. The system also gives the technician the ability to perform some basic trouble diagnostics and trouble shooting capabilities along with the ability to perform minor software program changes. The 10-15 minutes spent by the technician diagnosing a problem and correcting it via the graphics component of the system can save the County hundreds of dollars daily by not having to send an HVAC mechanic out to the facility in response to a service call. When the corrections cannot be made by the technician, the results of the diagnostic activity can be relayed to the HVAC mechanic to give him a head start as to what the problem might be and thereby reduce his time at the facility in correcting the problem. In addition alarming functions in the system enables a quick and immediate response to a facility experiencing equipment failure. A facility with a direct digital control system is designed with automatic recovery to start backup equipment in the event of mechanical failure of the primary units. With an energy management system energy savings of 15%-20% can be achieved through optimization programs. Immediate energy savings and labor savings for the remote monitoring can be achieved as soon as building automation control system is installed. Total project cost is anticipated to be $285,852. An amount of $69,511 is requested to be spent or encumbered in FY 12-13 with the balance required in FY 13-14. **Recommendations:** Defer due to OCCR possible relocation.			

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects	
			Agency 036	Other Agency
21	**HCA Clinic - Generator and Switchgear**	76,783		

Justification/Comments:
This project will add a new larger capacity generator and transfer-switch sized to carry the load of the HVAC system. The existing HVAC system has no backup electrical power. If there is an unplanned power outage during regular working hours, the HVAC equipment will turn off and stop supplying fresh air throughout the Clinic. Failure to provide constant ventilation to filter and remove airborne contaminates from the HCA Clinic building could result in the spread of contagious illnesses. The installation of this larger capacity back-up generator and transfer-switch will provide the necessary power in the event of a failure of primary power. Total project cost is anticipated to be $591,097. An amount of $76,783 is requested to be spent or encumbered in FY 12-13 with the balance required in FY 13-14.
Recommendations:
Defer for future funding.

22	**Central Operations Center - Phase 1- Study the Site for Utility Improvement Plans**	187,309		

Justification/Comments:
OC Public Works is proposing that a feasibility study be conducted to determine the current and anticipated utility requirements of the entire site and the feasibility of constructing a central utility facility to meet those needs. Rebuilding the existing chillers will not address the anticipated need for increased cooling capacity and therefore is not the best option. OC Public Works is requesting that funding be allocated to a feasibility study to research and document the most cost effective way to upgrade the utilities to the OC Data Center and the entire site. At this time, the Facilities Master Plan has future expansion of the site identified. The study will determine whether it is more appropriate to continue to upgrade major utilities independent of each other or to consider the option of building a central utility facility that could house and distribute the utilities including steam and chilled water. The existing chillers are old and a capital project request was submitted to be rebuilt in FY 11-12, but internal analysis suggested that rebuilding or replacing the chillers may not be effective without upgrading infrastructure to enhance the distribution capacity. Any failures of the chillers could be costly, time consuming, and may interrupt activities including the timely delivery of public services. On April 17, 2012, the Board of Supervisors approved an emergency project, Data Center HVAC 2012 Upgrades, to upgrade infrastructure to add a temporary chiller and enhance distribution capacity for the 2012 summer needs. CEO-IT and OCPW will review and monitor the needs and options for 2013 summer after considering the ongoing demand and may request/transfer funding during FY 12-13 for a long-term solution. Total project study cost is anticipated to be $210,178. An amount of $187,309 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14.
Recommendations:
Defer for mid-year review after the completion of the Board approved emergency project.

23	**Fruit Street-Mitigate Under Reinforced Masonry**	259,502		

Justification/Comments:
This project will reinforce the structural properties of the existing buildings due to un-reinforced masonry structure. The existing buildings have been evaluated and found to contain under-reinforced structural properties. The buildings could be subject to damage during a catastrophic event such as an earthquake. Total project cost is anticipated to be $1,577,418. An amount of $259,502 is requested to be spent or encumbered in FY 12-13, with the balance required in FY 13-14.
Recommendations:
Defer for future funding and possible relocation of site.

Probation

24	**Joplin Youth Center (JYC) - 2011 CIP Master Plan and Maintenance Projects**	461,676		461,676

Justification/Comments:
Funding is requested for Capital and Maintenance Projects as listed in the Probation Capital Improvement Plan (CIP) developed as part of the Facilities Assessment Report. The Joplin Youth Center's Conservation Camp's CIP provides a comprehensive list and priority schedule for the implementation of capital and maintenance projects required and essential to the County's long-term planning and financial strategy to extend the life cycle of the facility that is over 35 years old. Priority projects are essential in order to meet the County's long-term planning strategies to extend the life cycle of the facility. Priorities are established based on detailed analysis of the building infrastructure which has reached the end of their life cycle. Deferring these projects will result in deterioration and possible loss of occupancy due to health and safety concerns.
Recommendations:
Recommend funding from Criminal Justice Facilities Fund 104 to ensure completion of priority projects that are essential to meet the County's long term planning strategies to extend the life cycle of the facility and to avoid possible health and safety concerns.

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects Agency 036	CEO Approved Projects Other Agency
25	**Juvenile Hall (JH) 2011 CIP Master Plan and Maintenance Projects**	520,059		520,059
	Justification/Comments: Funding is requested for Capital and Maintenance Projects as listed in the Probation Capital Improvement Plan (CIP) developed as part of the Facilities Assessment Report. Juvenile Hall's CIP provides a comprehensive list and priority schedule for the implementation of capital and maintenance projects required and essential to the County's long-term planning and financial strategy to extend the life cycle of the facility that is over 35 years old. Priority projects are essential to meet the County's long-term planning strategies to extend the life cycle of the facility. Priorities are established based on detailed analysis of the building infrastructure which has reached the end of its life cycle. Deferring these projects will result in deterioration and possible loss of occupancy due to health and safety concerns. **Recommendations:** Recommend funding from Criminal Justice Facilities Fund 104 to ensure completion of priority projects that are essential to meet the County's long term planning strategies to extend the life cycle of the facility and to avoid possible health and safety concerns.			
26	**Youth Guidance Center (YGC) 2011 CIP Master Plan and Maintenance Projects**	653,809		653,809
	Justification/Comments: Funding is requested for Capital and Maintenance Projects as listed in the Probation Capital Improvement Plan (CIP) developed as part of the Facilities Assessment Report. The Youth Guidance Center's CIP provides a comprehensive list and priority schedule for the implementation of capital and maintenance projects required and essential to the County's long-term planning and financial strategy to extend the life cycle of the facility that is over 35 years old. Priority projects are essential to meet the County's long-term planning strategies to extend the life cycle of the facility. Priorities are established based on detailed analysis of the building infrastructure which has reached the end of its life cycle. Deferring these projects will result in deterioration and possible loss of occupancy due to health and safety concerns. **Recommendations:** Recommend funding from Criminal Justice Facilities Fund 104 to ensure completion of priority projects that are essential to meet the County's long term planning strategies to extend the life cycle of the facility and to avoid possible health and safety concerns.			
Sheriff-Coroner				
27	**Sheriff - Musick- Rehabilitate East Kitchen**	670,862	670,862	
	Justification/Comments: This project will renovate infrastructure and mechanical components for the James A. Musick Facility (JAMF) East Kitchen. Many components of this kitchen are past their expected useful life and are becoming a maintenance and health and safety issue. Electrical and mechanical feeds and equipment would be renovated and/or replaced to improve dependability and serviceability. The flooring and other surfaces would also be replaced due to health concerns. The design contract for this project is complete. Total estimated construction budget is $1,035,431 of which $364,569 remains in the present construction budget. The request for FY 2012-2013 is $670,682. Most of the health and safety risks are concealed and not visible to a casual observer. During the project design phase, project engineers and consultants identified safety and compliance issues. If the project is deferred, the East Kitchen will likely become unusable and un-maintainable resulting in it being closed. Without the support of this kitchen the number of inmates/detainees that can be supported at the facility will be substantially reduced or costs for supplying food would become more costly. This reduction would dramatically affect the delivery of jail services to the County and its contract obligations. The Sheriff's department has analyzed the option of contracting out food services operations and the data demonstrates no long term cost savings. The vendors typically cut costs the first year of the contract and then every subsequent year costs increase. The County would be back to the same level of costs within a few years as before contracting services out. The East Kitchen will still need to be rehabilitated with the AB900 Phase II project at Musick constructing 512 new beds and a kitchen because the facility will not be completed until 2018. The East Kitchen needs to support food preparation for the next six years and likely for the next 20 to 30 years. **Recommendations:** Recommend funding $670,682 from 036 Budget. (100-036-036-PC09-4801)			
28	**Sheriff- Theo Lacy- Correct Inmate Clothing Storage System**	40,000	40,000	
	Justification/Comments: This project is to obtain the professional services of an Architect/Engineer for evaluation and preparation of a design to resolve unsafe conditions inherent to the inmate property storage conveyor. The expected design will provide the necessary means to safely service the conveyor equipment and cost estimate to construct it. This clothing conveyor consists of three separate metal tracks that have continuous chains from which property bags are hung for the duration of an inmate's incarceration. All motors, gearboxes and their electrical components are located on top of the conveyor track, which require regular maintenance and repairs. The tracks have no platforms or walkways that are designed for personnel to reach these components. Maintenance personnel and service vendors who work on these clothing conveyors are placed at risk of severe injury because there is no safe means to gain access to the operating mechanisms to perform maintenance and repairs. When any one of the conveyors breaks down, jail staff is placed at risk of injury when squeezing themselves between the clothing bags trying to retrieve inmate property. In this situation, the person would not be visible to anyone who came to retrieve property and started an adjoining conveyor. This project intends to eliminate an unnecessary risk to personnel. Funding to construct the design will be requested in subsequent years based upon estimates developed during design. **Recommendations:** Recommend funding $40,000 for design from 036 Budget. (100-036-036-PC10-4801)			

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	Dept Req	CEO Approved Projects Agency 036	CEO Approved Projects Other Agency
29	**Sheriff - CJX & HQ - Design Replace Water Pumps and Regulators**	40,000	40,000	

Justification/Comments:
This project is to design a replacement water pressure booster pump station that supplies domestic water to the Central Men's Jail, Women's Jail, and Sheriff's Headquarters. The Central Jail Complex (CJX) and Sheriff's Headquarters share a common water supply through a multi-stage pressure boost station located in the Headquarters basement. This pump station has been in service since 1968, is beyond the end of useful life, and must be replaced. The scope of work will include replacement of the three pumps and motors, three pressure regulators, and the electric motor controls that measure pressure and control the operation of the pumps to maintain the water pressure within the buildings. Street level water pressured is insufficient to ensure sufficient water delivery to the 600+ toilets, sinks, showers, and kitchen equipment in the jails and Sheriff's Headquarters. Throughout each day, water pressure delivered to these facilities fluctuates significantly due to demand on a city water system shared with surrounding Civic Center buildings. This pumping station compensates for the rapid rise and fall of pressure to ensure that plumbing fixtures will operate correctly. Facilities Operations has kept the system operational by maintaining and periodically overhauling the pumps, pressure regulators, and motors over the years but the repair parts necessary to do this are obsolete. If this pump station is not operational, plumbing fixtures throughout the buildings do not operate properly which results in unsanitary conditions in inmate housing and food service areas. The Sheriff's Department has plans to continue utilizing the Central Jail Complex for the foreseeable future. Due to the age and obsolescence of the pumping equipment, a failure that cannot be repaired in the near future is likely. When this occurs, the Central jails will not be suitable for housing inmates until a replacement system can be procured and constructed under emergency conditions. Funding to construct the design will be requested in subsequent years based upon estimates developed during design.
Recommendations:
Recommend funding $40,000 for design from 036 Budget. (100-036-036-PC11-4801)

30	**Sheriff - Loma Ridge- Re-design HVAC system**	30,000	30,000	

Justification/Comments:
The purpose of this project is to re-design the HVAC to accommodate the technology and personnel added to the facility over the years and provide the capacity for expansion of electronics and communications equipment anticipated in the future including appropriate back-up cooling to ensure that heat sensitive electronics remain operational under adverse conditions. Additionally, the new HVAC system would provide for filtration of airborne contaminants to protect personnel occupying the facility during disaster activations of the Emergency Operations Center. The Loma Ridge Facility houses the Sheriff's 911-call center, radio dispatch, the County emergency operations center, and the core electronics of the County's 800 MHz Communications system. The HVAC system that currently exists at the Loma Ridge Facility was not designed to cool the amount of computer equipment and electronics that is continuously being added at this facility in support of County Emergency Operations. The amount of heat generated by the staff, combined with that of the electronics exceeds the capacity of the existing HVAC. The existing HVAC system barely manages to keep the temperature of the electronic equipment in the server room, radio room, and 911-dispatch center, at acceptable operating levels. If the electrical equipment in the server room is allowed to operate at higher than acceptable temperature levels for prolonged periods of time, the equipment will become susceptible to failure, which would shut down the facilities communication and emergency response capabilities. The Sheriff's staff has researched alternative funding sources. According to Emergency Management staff, there are no grant funding opportunities that relate to construction of any kind at this time. Funding to construct the design will be requested in subsequent years based upon estimates developed during design.
Recommendations:
Recommend funding $30,000 for design from 036 Budget. (100-036-036-PC12-4801)

31	**Sheriff- Theo Lacy - Fire Access Road**	150,000	150,000	

Justification/Comments:
The City of Orange Fire Department, which is the responding fire authority for the Theo Lacy Facility, is requiring that an all-weather access road be installed to allow fire department vehicles to utilize a fire hydrant at the rear of the A-E Housing Dormitories and adjacent the outdoor recreation area denoted as Green Sector. The area in question is currently a grass covered outdoor area that would not adequately support the weight of fire fighting vehicles if they were dispatched to this Housing area especially if the ground was softened during seasonal wet weather. This condition has existed at the facility for many years but was only noted as needing correction during a recent annual inspection of the facility by the fire department. To be code compliant a paved all weather road running adjacent the rear perimeter fence to the A-E Housing Dormitories and up to the existing fire hydrant must be installed. Without the access road, efforts to extinguish fires that might occur in this area could be severely compromised, which could lead to extensive fire damage and pose a great threat. The needed access road is approximately 270' long and to be code compliant must be 20' wide with a turnaround area for fire vehicles to reduce County liability.
Recommendations:
Recommend funding $150,000 from 036 Budget. (100-036-036-PC13-4801)

FY 2012-2013 New Capital Project Requests (Continued)

Number	Project Description	CEO Approved Projects		
		Dept Req	Agency 036	Other Agency
32	**Sheriff- Aliso Viejo Station - Security Improvements to Lobby**	30,000	30,000	
	Justification/Comments: The Public Lobby of the Sheriff's Aliso Viejo Station is open to the general public Monday through Friday, 8:00 AM to 6:00 PM and is utilized after business hours and on weekdays/holidays by Juvenile Diversion Counselors, Patrol and Investigations. Sheriff's staff assigned to the public counter is separated from the public by a waist-high counter with no protective glass or screening. In addition, the stairway that leads to the second floor Investigative Units (no public access) is enclosed by a half-wall and half-door, which cannot be secured to prevent unauthorized entry. This project will enclose the stairway to the second floor by extending the half-wall to the ceiling and installing a full-size secured door. The public counter will be screened by adding a force-resistant or bullet-proof glass enclosure with intercom, panic alarms and a pass-through drawer. Additionally several building and gate entrances that are not currently on the facility's card access system will be retro-fitted with security hardware and card readers so that access can be monitored. Funding of $200,000 will be needed for construction in FY 13-14. **Recommendations:** Recommend funding $30,000 for design from 036 Budget. (100-036-036-PC14-4801)			
Social Services Agency				
33	**SSA - Orangewood - Repair Rotted Wood**	49,055		49,055
	Justification/Comments: The buildings at Orangewood Children and Family Center are constructed of stucco, wood and clay roof tiles. Numerous discoveries of wood rot were found in the course of performing roof maintenance throughout the complex. Water has entered several buildings and caused significant damage. The main roof joist centered over the children's cafeteria was found to be rotted and is deteriorating. Water damage will continue to cause further damage to the buildings. Total project cost is anticipated to be $49,055. **Recommendations:** Recommend funding from Social Services Agency. (100-063-063-4140-4200-S36000)			
34	**SSA - Walnut - Roof Refurbishment- 2020 Walnut St., Santa Ana**	277,515		
	Justification/Comments: The project will provide for refurbishment of the existing roof of the building at 2020 Walnut Street, Santa Ana, CA. OC Public Works recommends the rehabilitation of the existing roof as the warranty is expiring in 2012, and to ensure the integrity of the building. The existing roof is over nine years old. Failure to rehabilitate this roof may cause water damage to the building office furnishings, equipment, files, and personal belongings. Total project cost is anticipated to be $277,515. **Recommendations:** SSA will review the need during FY 12-13 and make necessary adjustments during the quarterly budget adjustment process.			
35	**SSA - Refurbish Roof - 888 N. Main St, Santa Ana**	500,000		500,000
	Justification/Comments: The project will provide for replacement of the existing roof of the building. This facility is a lease conveyance with conveyance to the County on January 31, 2012. The existing roof is beyond its useful life. Under the existing lease, the current building owner is only required to repair the roof leaks until the County takes over ownership; therefore, the roof needs to be replaced upon transfer of ownership. The risks of deferring the project is extensive water damage to the building interior including structure, equipment, files, and personal belongings. Total project cost is anticipated to be $500,000. **Recommendations:** Recommend funding from Social Services Agency. (100-063-063-4140-4200-S36350)			
	Total Cost	10,105,981	1,952,143	6,733,886

FY 2012-2013 Rebudgeted Capital Projects

Agency	Object	Organization	Agency/ Description	Project Name	FY 2011-2012 Budget	FY 2012-2013 CEO Recomm.	Funding Sources		
							General Fund	Other Revenue	
								Amount	Source
036	1400	P000	OCPW	Contingency Projects - Unallocated	0	766,486	766,486	0	
036	1400	P932	OCPW	Warranty Work for Various Completed Capital Projects	100,000	25,000	25,000	0	
036	1400	PA31	OCPW	Courts - County Share of Costs for all Court Facilities	210,211	100,000	100,000	0	
036	1900	1900	OCPW	OCPW - Accounting Charges	89,000	70,000	70,000	0	

FY 2012-2013 Rebudgeted Capital Projects (Continued)

Agency	Object	Organization	Agency/ Description	Project Name	FY 2011-2012 Budget	FY 2012-2013 CEO Recomm.	Funding Sources		
							General Fund	Other Revenue	
								Amount	Source
036	1900	P759	OCPW	Facilities Master Plan	100,000	336,395	336,395	0	
036	4200	P571	OCPW	Sheriff - 800 MHz - Newport Coast	501,032	358,000	0	358,000	Capital Project Reimbursement from Non-General Fund 15L
036	4200	P921	OCPW	909 N. Main - Replace Fire Alarm System	83,686	56,574	56,574	0	
036	4200	P924	OCPW	Gates Building - Replace Fire Alarm	74,892	35,165	35,165	0	
036	4200	PA11	OCPW	CUF - Replace Boiler Feedpumps	1,583,297	136,131	136,131	0	
036	4200	PA12	OCPW	CUF - Remove Cooling Tower Enclosure and Upgrade Condensate Piping	1,432,761	1,432,331	1,432,331	0	
036	4200	PA14	OCPW	HOA - Replace 4160 Transformer & 480 Distribution Panel	475,588	577,338	577,338	0	
036	4200	PA18	OCPW	Gates Bldg - Replace Elevator Controls & Controllers	937,000	103,967	103,967	0	
036	4200	PA29	OCPW	CUF to Campus Metering Design	385,976	380,270	380,270	0	
036	4200	PB01	OCPW	Bldg 10 - Replace Elevator Controls & Controllers	51,228	306,851	306,851	0	
036	4200	PB02	OCPW	Bldg. 10 - Chilled Water Valves and Variable Frequency Drive Pump	138,156	17,152	17,152	0	
036	4200	PB03	OCPW	909 N. Main - Replace Two Air Handlers	53,137	309,979	309,979	0	
036	4200	PB05	OCPW	Manchester Office Building - Replace Cooling Tower	48,089	180,442	180,442	0	
036	4200	PB07	OCPW	COC Building C - Replace Air Handler	53,137	578,265	578,265	0	
036	4200	PB09	OCPW	Bldg. 10 - Replacement and Rehabilitation of Four Air Handlers	97,802	645,878	645,878	0	
036	4200	PB10	OCPW	Bldg. 10 - Replace Fire Alarm System	63,500	627,751	627,751	0	
036	4200	PB18	OCPW	CUF- Coalescer Filters	400,000	344,000	344,000	0	
036	4801	PA02	OCPW	Sheriff - Central Jail Complex - Replace Electric Sliding Door Operators -CMJ	500,000	300,000	300,000	0	
036	4801	PB13	OCPW	Sheriff - Replacement of Intake/ Release Kitchen Pipe and Floors	50,000	832,073	832,073	0	
036	4801	PB14	OCPW	Sheriff- Central Jail Complex - Re-pipe HVAC Hot and Chilled Water at CMJ	100,000	482,776	482,776	0	
063	4200	4140	SSA	SSA- Replace HVAC Units/Phase 1 - 840 N. Eckhoff St., Orange	300,000	307,685	0	307,685	Social Services Agency Fund 063
063	4200	4140	SSA	SSA- Replace Cooling Tower - 888 N. Main St, Santa Ana	35,000	209,196	0	209,196	Social Services Agency Fund 063
063	4200	4140	SSA	SSA- Replace HVAC Nova Control System - 401 The City Dr. South, Orange	0	320,873	0	320,873	Social Services Agency Fund 063
063	4200	4140	SSA	SSA- Refurbish Roof - 840 N. Eckhoff St., Orange	325,000	335,969	0	335,969	Social Services Agency Fund 063

FY 2012-2013 Rebudgeted Capital Projects (Continued)

Agency	Object	Organization	Agency/ Description	Project Name	FY 2011-2012 Budget	FY 2012-2013 CEO Recomm.	Funding Sources		
							General Fund	Other Revenue	
								Amount	Source
289	4200	P634	Information Technology ISF	OC Data Center - Chiller System Replacement	134,800	1,000,000	0	1,000,000	Information and Technology ISF Fund 289
			Total FY 2012-2013 Rebudgeted Capital Projects		8,323,292	11,176,547	8,644,824	2,531,723	

036 - Capital Projects

Summary of Proposed Budget by Revenue and Expense Category:

Revenues/Appropriations	FY 2010-2011 Actual	FY 2011-2012 Budget As of 3/31/12	FY 2011-2012 Projected[1] At 6/30/12	FY 2012-2013 Recommended	Change from FY 2011-2012 Budget Amount	Change from FY 2011-2012 Budget Percent
Miscellaneous Revenues	$ 81	$ 0	$ 30,405	$ 0	$ 0	0.00%
Other Financing Sources	1,131,417	1,501,032	143,032	358,000	(1,143,032)	-76.15
Total Revenues	1,131,498	1,501,032	173,437	358,000	(1,143,032)	-76.15
Services & Supplies	514,986	21,201,306	20,374,892	720,298	(20,481,008)	-96.60
Other Charges	0	593,055	593,055	0	(593,055)	-100.00
Structures & Improvements	1,206,159	26,800,982	26,660,223	6,090,094	(20,710,888)	-77.28
Other Financing Uses	2,568,000	2,055,040	2,055,040	1,614,849	(440,191)	-21.42
Total Requirements	4,289,145	50,650,383	49,683,211	8,425,241	(42,225,142)	-83.37
Net County Cost	$ 3,157,647	$ 49,149,351	$ 49,509,774	$ 8,067,241	$ (41,082,110)	-83.59%

(1) Requirements include prior year encumbrance and expenditures. Therefore, the above totals may not match FY 2011-12 projected requirements included in "At a Glance" (Which exclude these).

Columns may not total correctly due to rounding.