



Five-Year Capital Improvement Plan

Introduction

The proposed five-year Capital Improvement Plan (CIP) for Fiscal Years 2016-17 through 2020-21 is the County's compilation of significant projects funded by the General Fund in the Capital Projects, Budget Control 036, budget. This document is updated annually to reflect the changing needs and the fiscal outlook of the County.

The CIP aids the County in its assessment of the best use of County General Funds and provides goals for developing capital assets while maintaining long term financial stability. The assessment is an ongoing process influenced by many changing factors such as service needs, available resources due to the changing economy, Board priorities, legal mandates, age and condition of existing buildings, and health and safety considerations.

The five-year CIP provides information about capital projects requiring County General Fund support in excess of \$150,000. The CIP is not a budget document but rather a planning tool to be used in conjunction with the budget development process for FY2016-17 through FY 2020-21 and the County Facilities Master Plan.

Capital projects implemented within County special funds such as OC Road, OC Flood, OC Waste & Recycling, John Wayne Airport, and OC Parks are also updated in this Strategic Financial Plan (SFP). These special funds do not require General Fund support. County departments that directly fund capital projects within their own agencies are not included in the Capital Projects, Budget Control 036, budget.

As this plan is further developed, information regarding the background, stage of development, budget status, implementation status, additional funding sources, projected costs and impacts on each General Fund capital project will be included. For the purposes of the SFP, a high level countywide summary of the five-year plan is included.

Highlights

Cogeneration Plant

The County issued \$32.7 million in bonds in 2006 to construct the 10.4 megawatt (MW) cogeneration electricity plant. The cogeneration plant at the County's Central Utility Facility (CUF), completed in October 2009, installed new electrical generating turbines (powered by natural gas) and auxiliary equipment to produce 10.4 MW electricity. The



cogeneration plant replaces the use of Southern California Edison in the Civic Center Campus. Utilities, Budget Control 040, includes approximately \$4.2 million annual debt service payment for cogeneration bonds, will end in June 2018.

Central Utility Facility

The Cogeneration (Cogen) Plant project described above did not include upgrades to the Central Utility Facility (CUF) infrastructure in an effort to keep the total cogeneration bond financing and debt service low. The CUF was constructed in 1968 and the infrastructure has exceeded its life expectancy. The present systems are becoming a greater liability to operations. The CUF provides electricity to County facilities and two court facilities in the Civic Center area. The CUF also provides hot and chilled water and steam to all County and other government facilities located in the Civic Center area. The 2013 SFP included a Strategic Priority to replace the infrastructure of the CUF at an estimated cost of \$68.5 million from FY 2014-15 through FY 2018-19. The estimated cost increased to \$69.4 million in the 2014 SFP. A construction manager at risk contract (CMAR) was issued on October 6, 2015 to review the project and projected costs. The report is expected in January 2016 and it is anticipated that bonds to finance the project will be issued in the first quarter of 2016.

The actual CUF expenditures from FY 2012-13 through FY 2014-15 were \$1.8 million. The remaining cost of the CUF project will be funded from CUF Bond proceeds of \$68 million. All CUF Bond proceeds and related CUF payments/encumbrances will be recorded in Countywide Capital Projects Non-General Fund 15D or a new Fund established and managed by Public Finance. Effective FY 2016-17, the estimated \$4.6 million debt service payment for the proposed CUF Bonds will be funded by an increase in the Utilities, Budget Control 040, NCC budget, offset by an equivalent decrease in the Capital Project, Budget Control 036, NCC budget. When the current Cogen debt service is paid off in June 2018, Utilities, Budget Control 040, NCC will be reduced by \$4.2 million (cost of current annual debt service payment), which will result in an equivalent increase in NCC to Capital Projects, Budget Control 036.

In order to plan for some of the future CUF equipment replacement costs, effective FY 2010-11, the billable Non-General Fund portion (approximately 15%) of cogeneration revenue is accumulated annually in the General Fund Reserve. From FY 2010-11 through FY 2014-15, \$841,770 was added to General Fund Capital Projects Reserve.



OC Public Works Countywide Annual Capital Improvement and Maintenance and Repair Plan

Each year OC Public Works (OCPW) submits a list of projects related to the maintenance and repair of all County facilities. The 2015 SFP Annual Capital Improvement and Maintenance and Repair Plan submitted by OCPW includes requests totaling \$130.8 million for FY 2016-17 through FY 2020-21 including the following components:

Building Automation	\$	0.2	million
Central Utility Facility		69.7	million
Electrical Equipment		0.6	million
Plumbing		0.9	million
Elevators		0.4	million
Generators		6.0	million
HVAC Equipment		20.2	million
Miscellaneous		5.5	million
Probation New Multi-Purpose Bldg.		21.2	million
Roads/Slopes		1.1	million
Roofs		4.3	million
Security		0.7	million
Total	\$	130.8	million

In prior years, due to the lack of available capital, the maintenance and repair of many County facilities was deferred. Generators, heating, ventilation, air conditioning (HVAC) equipment, card access systems, and interior/exterior structural finishes were deferred or cancelled. Many of these systems now require attention to keep the County buildings operational.

Facilities Master Plan (FMP)

On October 17, 2006, the Board adopted the Facilities Master Plan (FMP) by Gensler & Associates, and approved 15 implementing initiatives. In FY 2007-08, the Board approved \$6.3 million to address the FMP initiatives, and in FY 2008-09, four new initiatives were added. Budget cuts subsequently deferred selected FMP projects. The actual FMP expenditures from FY 2009-10 through FY 2014-15 were \$1.8 million. The FY 2015-16 FMP budget is \$1 million.

A review of the FMP initiatives shows 13 have been completed, four are on hold until funding is identified, and nine have evolved and are continuing.



The 13 completed initiatives are:

1. Distribute the FMP.
2. Adopt recommended workspace guidelines.
3. Adopt County Real Estate Database for inventory purposes.
4. Prepare development plan options for Building 16.
5. Study document imaging, reduce storage costs, and develop standards; report findings to the Board. Identify document storage needs, prepare optimal site plan for a new Chestnut Storage Facility.
7. Consider acquiring Cal Trans Parcel at 5 Freeway for housing.
8. Engage consultant to identify potential uses and costs of development of the 100 acre El Toro Parcel.
9. Monitor Lease Conveyance properties and return to Board to implement buyout provisions (three acquired or resolved, three remaining).
10. Monitor progress of Agency master planning and report annually (agencies have been planning and working with CEO Real Estate liaisons since the budget reductions of 2008 and liaison program initiation in 2009).
11. Form agency FMP group to meet and discuss projects, progress, and ideas to maximize implementation of the FMP.
12. Research having landlord upgrade the 888 N. Main facility in exchange for lease term extension.
13. Analyze and acquire 800-840 Eckhoff when purchase option matures.

The four projects on hold for lack of funding are:

1. Construct new Health Care Facility to replace existing 17th Street facility.
2. Relocate Fruit Street operations.
3. Develop County Operations Center to receive relocated Fruit Street operations.
4. Analyze potential uses and disposition of 909 Main Street.

Several of the original initiatives have evolved, as directed by the Board, into projects exceeding the vision of the original Facilities Master Plan. The following FMP projects that are continuing, evolved, and/or expanded by Board direction are included in the 2015 FMP Strategic Priority:



1. New County Real Estate and Facilities Management System
2. Laguna Niguel Parcel
3. El Toro Parcels
4. Options to Acquire Lease-Conveyance Properties
5. Building 16 and Civic Center Strategic Facilities Plan
6. Fruit Street Assessment, Operations Center Plan
7. Acquisition of the HCA Headquarters Land
8. Greenspot Entitlement Acquisition
9. Long-Term Lease of Orange County Flood Control District Property at 1100 Bristol Street, Costa Mesa

Trial Court Facilities

The County successfully completed the transfer of maintenance and capital project responsibilities for all but two Court facilities to the State Administrative Office of Courts (AOC). The two facilities not transferred are: (1) the Community Court facility located at 909 Main Street, Santa Ana; and (2) the Court Trailer facility located near Lamoreaux Justice Center in Orange. The County is the managing party for these two Court facilities and receives reimbursement from the State AOC for the proportionate share of Court-operated space. The State AOC is the managing party for all other Court facilities and the County reimburses the State for its proportionate share of County-occupied space.

Sheriff-Coroner Facilities

During the Strategic Financial Plan process, the Sheriff-Coroner annually submits an updated list of projects related to the maintenance and repair of all Sheriff-Coroner facilities. An annual Maintenance and Repair Plan (MRP) is used to identify significant planned maintenance projects required over the next five years at the various Sheriff-Coroner facilities. The maintenance projects for FY 2016-17 through FY 2020-21 include infrastructure, facility, building systems, and equipment maintenance and replacement to prevent catastrophic failures that could negatively impact various Sheriff-Coroner facilities and operations.

The Sheriff-Coroner also submits an updated annual Capital Improvement Plan to identify improvements required at Sheriff-Coroner facilities. Capital projects for FY 2016-17 through FY 2020-21 include new facilities, safety and security enhancements, equipment and system improvements, facility improvements, and responses to mandated requirements (summarized as follows):



Strategic Priorities / Maintenance & Capital Projects over \$1 million:

New Facility *	\$	176.3	million
Safety & Security		33.5	million
Equip./System Improvements/Replacement		12.5	million
Facility Improvements		50.9	million
Total	\$	<u>273.2</u>	<u>million</u>

*Includes James A. Musick Facility (JAMF) jail expansions; \$100 million in AB 900 funding (512 beds), \$80 million in SB 1022 (384 beds for treatment and rehabilitation efforts) funding has been awarded by the State. In April 2013, the Board approved a \$7 million contract for AB 900 design; and \$4.3 million for SB 1022 design was approved in January 2015. The new facility category also includes \$6.1 million for an alternate Emergency Operations Center (EOC) for the County of Orange. In September 2015, SB 1022 Schematic Design was completed and approved by the State. The Design Development phase has been completed and state reviews are currently underway. Safety and Security projects include the CCTV upgrades in the jails, replacement of jail security electronics, and various facility compliance and safety issues. Equipment/Systems include the 800MHz system upgrade and maintenance projects. Facility Improvements include Intake Release Center jail renovation at Theo Lacy and the expansion of Loma Ridge EOC.

Capital Improvement Projects / Maintenance & Capital Projects >\$150,000, < \$1 million:

New/Expanded Facility	\$	1.2	million
Safety & Security		1.1	million
Equip./System Improvements/Replacement		35.2	million
Facility Improvements		10.3	million
Mandate Requirements		0.8	million
Total	\$	<u>48.6</u>	<u>million</u>

Safety and security items refer to facility and systems improvements that directly impact operations, staffing, facility safety, and security. Equipment and system improvements relate to upgrades, replacements, or improvements of equipment and operational systems used for facilities and building systems. Facility improvements refer to modifications and improvements to facilities to support operational and facility needs. Mandate requirements include work at Sheriff-Coroner facilities to meet compliance or regulatory needs.



The funding requirement for Sheriff-Coroner facilities, excluding the State funding for the James A. Musick Facility projects (\$170.1 million) and the Intake Release Center project (\$35.5 million), totals \$116.2 million. The Capital Projects, Budget Control 036, budget for the 2015 SFP includes \$10.7 million in General Fund support for these projects. The Sheriff-Coroner will continue to identify funding for the remaining projects including potential funding from Sheriff-Coroner, Budget Control 060, Public Safety Half-Cent Sales Tax (Prop 172) revenue, funds previously set aside for projects in Sheriff-Coroner Construction and Facility Development, Fund 14Q, and other funding sources when available.

Criminal Justice Facilities

Many routine capital maintenance and project needs for Probation Department detention facilities have been accommodated via funding from Fund 104, Criminal Justice Facilities. This fund is made up of revenues collected from court surcharges and penalty assessments on parking violations and criminal fines. Larger scale projects for Probation Department facilities have previously been funded from Fund 104 as well as from Budget Control 036, Capital Projects.

In 2007, the Probation Department completed comprehensive capital needs studies for their facilities: Juvenile Hall; Joplin Youth Center; and the Youth Guidance Centers. Many of the projects identified in the 2007 study have been completed, but the facilities continue to require resources for routine maintenance and deferred infrastructure upgrades. In 2013, a new facilities condition assessment and comprehensive capital needs study was completed. The new study addressed repair and replacement of aging infrastructure and equipment as well as future needs prioritized for the next ten years for all structures, grounds, and utilities at the facilities. Based on prior studies, the Probation Department and OCPW has submitted the Probation Facilities Capital Improvement Plan requesting funding of \$32.9 million over the next five years. This includes the recent SB81 conditional award of the Juvenile Hall/Youth Leadership Academy Multi-Purpose Rehabilitation Center.

Fund 104, Criminal Justice Facilities, revenue of \$50.1 million includes \$10 million NCC transfer from Budget Control 036, Capital Projects, \$17.5 million SB81 State Grant Revenue, \$11.7 million Probation Department Reserves, \$0.1 million in Interest Revenue, and the remaining \$10.8 million is from Court fines, fees, and penalties. The \$50.1 million in revenue over the next five years will be used for debt service payments on the Sheriff's Forensic Science Building (\$13.0 million), Probation Facilities Capital Improvement Plan



(\$10.7 million), the Juvenile Hall/Youth Leadership Academy Multi-Purpose Rehabilitation Center (\$22.2 million), transfer to Probation General Fund Reserves (\$2 million) and funding for contingencies (\$2.2 million).

John Wayne Airport

While the major components of John Wayne Airport's (JWA) \$543.1 million Airport Improvement Program have been completed, construction continues on Phase II of the Improvement Program alongside new capital projects to solidify and maintain JWA's reputation as one of the country's most efficient, safe, and passenger-friendly airports. Included in the SFP for Fiscal Years 2016-17 through 2020-21 are capital projects totaling \$170.7 million. Terminal Improvements, Parking Structure C-Phase II and Terminal Improvements and the realignment of Taxiway A projects totaling \$130.4 million make up 76% of the total. The remaining \$40.3 million includes the rehabilitation, perimeter security modification, and other smaller projects. The improvements are funded from various JWA sources including operating revenues and reserves, Federal Aviation Administration grants, and other revenues.

General Airport Revenue Bonds (GARB) and Passenger Facility Charges (PFC) Bonds that are eligible for optional redemption in 2017 totaling \$4.8 million and \$36.3 million, respectively, are reflected in "Other Charges" as called/redeemed bonds for those years. The GARB redemption will be funded by cash reserves from operating revenues and the PFC bond redemption will be funded by PFC fees collected by the airlines which are restricted (appropriated) for PFC approved projects and PFC bond debt service or redemption.

Newport Bay Tidelands

Currently, OC Parks is making repairs on the Newport Harbor ways cart structure at the Newport Harbor Patrol facility to improve the hauling of patrol boats out of the water, primarily for maintenance purposes. OC Parks plans to construct three additional capital projects in the Newport Bay Tidelands area over the next five years. In FY 2016-17, Fund 106, County Tidelands-Newport Bay, will budget \$400,000 to repair the existing concrete seawall adjacent to the recreation beach and south of the new seawall at the Newport Harbor Patrol facility. This is necessary to protect the existing seawall structure from weakening and to protect the tidelands beach property adjacent to the seawall from erosion.



Also, in FY 2017-18 OC Parks estimates that Fund 106 will require \$3,800,000 to dredge the Newport Dunes Marina and Lagoon. OC Parks continues to add approximately \$254,000 each year to a reserve account in the Newport Bay Tidelands Fund to accumulate funding for this dredging project. The last dredge of the Newport Dunes Marina was in FY 2009-10.

OC Animal Care

Construction of a new animal care facility is currently part of the County Facilities Master Plan. The existing facility is old, inadequate for current needs, and in continual need of repairs and upgrades. The current plan is to construct a new animal shelter on five acres at the former Marine Corps Air Station in Tustin. Conveyance of the land from the Department of the Navy to the County is expected in FY 2015-16. At this time, the cost of the project is estimated between \$20 million and \$30 million.

The General Fund Strategic Priority Reserve has \$4.4 million designated for this project. The remaining cost will be allocated among the contract cities. Initial costs established in the FY 2014-15 Capital Improvement Plan are estimates for environmental and preliminary architectural and design work for the project.

OC Dana Point Harbor

The OC Dana Point Harbor Capital Improvement Plan includes revitalization of Dana Point Harbor. The Revitalization Project is a multi-phased project with total costs estimated at \$140 million pending final project design approvals, and anticipating a systematic long term repair and/or replacement project for the waterside as opposed to a total redesign and rebuild of the marinas. The initial phases of improvements are expected to be funded with a combination of external financing and funds on hand that have been reserved for the Harbor Improvement Plan. OC Dana Point Harbor and County Executive Office staff are finalizing for Board approval, the financial strategy for the complete Revitalization Plan meeting the long term needs and expectations of the community and the County.

In addition, OC Dana Point Harbor continues to budget for the maintenance dredging of the Dana Point Harbor, the next phase is scheduled to be completed in FY 2015-16. In general, the dredging takes place every seven years.



OC Flood

The Flood Fund Capital Improvement Plan includes the design, construction, and maintenance of the regional flood control channels to provide flood protection from a 100-year flood event. It is currently estimated that over \$2.5 billion of capital project expenditures are required. The projects in the Flood Fund Capital Improvement Plan (CIP) are needed to work toward the goal of reducing the risk of flooding during a 100-year storm event. The projects in the CIP would reduce or eliminate 100-year floodplains, therefore eliminating the need for costly high risk flood insurance premiums, and provide the availability of lower cost preferred risk flood insurance premiums. The CIP includes the most critical flood projects, particularly those in the Westminster and San Juan Creek watersheds, the two largest floodplains in Orange County.

The County is working with the US Army Corps of Engineers (USACE) to complete feasibility studies for the Westminster Watershed to determine if there is interest in a Federal project to reduce flooding risks within the study areas. Adequate Federal funding for the Westminster Feasibility Study was appropriated by the Federal Government in Federal FY 2014 and the study is scheduled for completion in 2017. Projects in the Westminster watershed have been programmed to 2017-18 and later. No Federal funding was appropriated for the San Juan Creek Study in Federal FY 2014 and work on the study has ceased until additional Federal funds become available. Therefore, projects in the San Juan Creek watershed are moving forward and are programmed in the Flood's CIP for FY 2016-17. If a Federal flood control project is authorized, the USACE would contribute over \$100 million towards addressing the flood risk within Orange County.

Other major flood control improvements are currently planned for San Juan Creek (\$25 million) and Fullerton Creek (\$30 million) in FY 2015-16 and 2016-17 respectively. In addition, a \$20 million project for maintenance dredging of accumulated sediment within the Santa Ana River is also planned for FY 2015-16. These three projects will be bid through a Construction Management at Risk (CMAR) process and a request for proposals (RFP) directed at construction management firms will be released to the public within the next few months. Other smaller projects planned for construction FY 2016-17 include major repair/restoration of Barranca Channel, Lane Channel, and San Joaquin Channel.

Current flood control funded projects under construction include the \$15 million Newland Channel project in the cities of Westminster and Huntington Beach, the \$7 million Greenville Banning Channel project in Costa Mesa, and the \$4.5 million Glassell Campus Low Impact Development Improvement project in Orange.



OC Flood – Capital

The OC Flood – Capital Fund includes the purchase of properties required for the construction of Prado Dam and other features of the Santa Ana River (SAR) Mainstem Project. The Project is designed to protect 110,000 acres of Orange County from a 190-year flood and to prevent over \$40 billion in flood damage. The Project also includes the Santa Ana River Interceptor (SARI) Line utility relocation (owned by the Sanitation District). The County receives 70% cost reimbursement from the State for the SAR project. As of September 2015, \$17.7 million was outstanding in receivables from the State Subvention Fund for claims that were submitted. In addition, there are \$5.2 million in claims not yet submitted to the State for a total of \$22.9 million that will be received from the State Subvention fund. The OC Flood - Capital, Fund 404, SFP includes \$132 million for SAR land acquisition, and \$134.4 million in funding from the State Subvention Fund. The Army Corps of Engineers has identified up to 1,800 acres of land to complete the Prado Dam Project. The County has purchased 1,190 acres in fee and flowage easements of land as of June 2015 and 610 acres still need to be purchased to complete the Prado Dam land acquisition plan. As of June 2015, the County has spent \$232.8 million to acquire 1,190 acres of land for the Prado Dam Project. The County's estimate for the remaining 610 acres of land is \$157 million.

OC Road

The OC Road Fund Capital Improvement Program includes the planning, design, construction, and maintenance of the County's 320.3 miles of roadways in unincorporated areas. This highway infrastructure network consists of unincorporated County roads, bridges, storm drains, traffic safety features, and all other features within the public road right-of-way. The County constructs roadway widening and gap closures, performs pavement rehabilitation, constructs sound walls and retaining walls, improves intersections and installs traffic signals, stop signs and other traffic safety devices to comply with County, Federal, and State standards for maintaining safe and efficient movement of goods and services throughout unincorporated Orange County. When implemented, the road component of the Strategic Financial Plan (SFP) will result in safer driving conditions, better traffic flow, and less congestion for the public. The Road Capital Improvement Program includes capital projects funded by Highway Users Tax Account (HUTA – gas taxes), State Proposition 1B, Orange County Transportation Authority (OCTA) Measure M2, and State and Federal grants.

The OC Road Fund Five-Year SFP includes \$66.6 million for capital projects. This includes an estimated \$15.7 million for the remaining construction costs of La Pata



Avenue. Estimated total construction and contract change order costs are \$87.2 million. Funding for this significant project includes Measure M2, State Proposition 1B, La Pata Road Program Fees, OC Waste & Recycling, and Community Facilities Districts (CFDs). In addition, an estimated \$21.9 million of loans from OC Waste & Recycling are necessary to construct La Pata Avenue and the repayments are due within three years of each loan and are included in the Road Fund's Five-Year SFP.

Cow Camp Road Segment 1, Phase 1C and Segment 2 are estimated to cost \$102.5 million and are not included in the Road Fund's Five-Year SFP. Rancho Mission Viejo (RMV) will construct Cow Camp Road and the funding will come from Community Facility Districts (CFDS), the South County Roadway Improvement Program (SCRIP), RMV, or other funding sources.

Other Road Fund funded projects currently under development include: the \$9.3 million Edinger Avenue Bridge Replacement over the Bolsa Chica Channel, \$3.5 million Surfside Inn Pedestrian Bridge and Traffic Signal Improvements, Phases I and II, \$444,838 Lambert Road Bike Lane project, \$3.2 million Live Oak Canyon and Trabuco Canyon Roads Safety Improvements, \$1.1 million Laguna Canyon Road, Segment 4 Road Widening and Utility Undergrounding project, \$4.8 million Modjeska and Silverado Bridges Replacement projects, and the \$38.4 million Brea Boulevard/Brea Canyon Road Widening project.

OC Parks

An ongoing priority for OC Parks is to dedicate sufficient staff and financial resources to properly manage, maintain, and protect the park facility infrastructure and park lands entrusted to OC Parks. After budgeting for all required park operating expenses, OC Parks budgets as much funding as possible for facility maintenance projects to ensure that all recreation facilities are functioning properly, safe, and available for public enjoyment. To achieve that goal, OC Parks plans to budget approximately \$4 million each year over the next five years, to fund minor repairs and maintenance of park facilities.

OC Parks is currently implementing several large capital projects to maintain park infrastructure and enhance park facilities. These projects include constructing a new water delivery system at Casper's Wilderness Park, dredging county water ways within Sunset Harbour, refurbishing several historic buildings at Irvine Ranch Historic Park, replacing a park shelter roof at Mile Square Park, constructing three pocket parks along



the Santa Ana River Trail, and converting the Silverado School property for public park and library purposes.

Beginning in FY 2016-17, OC Parks plans to budget approximately \$79.0 million for additional capital projects in OC Parks Capital Projects, Fund 406, over the next five years. OC Parks has programmed several major projects which are contingent on receiving full or substantial grant funding in order to proceed including \$43.5 million to construct several segments of the OC Bike Loop project connecting many existing bike trails throughout Orange County, \$6.0 million to construct three phases of improvements to the buildings, grounds and exhibits at the OC Zoo, and \$7.5 million to construct an extension to the Santa Ana River Trail from Gypsum Canyon Road to the Orange County line. Other major capital projects that OC Parks plans to implement with funding from OC Parks Operating Fund 405 include \$4.0 million to repair the Salt Creek Beach Revetment Structure, \$3.3 million to construct park staging and trail enhancements at the Black Star Wilderness Park, \$2.8 million to construct seawalls and shoreline access improvements at Aliso Beach and Capistrano Beach, and \$2.0 million to construct a new visitor center and restroom at Aliso & Wood Canyons Wilderness Park.

OC Waste & Recycling

In order to continue providing adequate landfill capacity for the citizens of Orange County, OC Waste & Recycling will continue to fund capital projects necessary to ensure future landfill development. The capital projects will provide the infrastructure needed for safe and efficient landfill operations, compliance with local, State and Federal regulations, and natural resource protection. The OC Waste & Recycling, Fund 273, SFP includes \$91.8 million for capital projects. OC Waste & Recycling has capacity available for landfill needs for the Orange County citizens well beyond the current permitted closure dates of 2021 at the Olinda Landfill, 2053 at the Frank R. Bowerman Landfill, and 2067 at the Prima Deshecha Landfill.

OC Watersheds

To meet regulatory compliance, OC Watersheds and OC Flood are partnering with other dischargers in the Newport Bay Watershed to build two large scale projects. These two projects will divert surface flows from Santa Ana Delhi Channel and Peters Canyon Wash Channel to sanitary sewer. Pollutants such as selenium, metals, nutrients, and bacteria will be removed through the projects.



Summary – General Fund

In FY 2015-16, through the first quarter budget report, capital project appropriations in Capital Projects, Budget Control 036, equate to \$43.6 million in projects. The total five-year net project costs for capital projects summarized in this SFP are \$130.7 million, including the Capital Improvement Plan, Strategic Priorities, and maintenance projects.

In addition to Budget Control 036 Capital Projects, the Sheriff-Coroner Department is requesting \$321.8 million in Capital Improvement, Strategic Priorities, and maintenance projects partially funded by State Revenue (\$205.6 million), Budget Control 036 (\$10.7 million), and the outstanding balance (\$105.5 million) remaining unfunded.

These projects (and any subsequently identified) will be evaluated for funding during the FY 2016-17 annual budget process. Project needs and related costs will be evaluated again during the next Strategic Financial Planning cycle which will begin in August 2016.

Summary – Non-General Funds

This Capital Improvement Plan includes capital improvement needs for the County's balanced funds including: OC Road, OC Flood, OC Flood-Capital, OC Parks, OC Waste & Recycling, John Wayne Airport, OC Dana Point Harbor, OC Watersheds, Newport Bay Tidelands, Santa Ana River, and others. Specific project-level detail is provided for each fund with capital projects. The five-year Capital Improvement Plan for non-General Funds totals \$701 million. Funding for the projects comes from local revenues, as well as State and Federal sources. These projects (and any subsequently identified) will be evaluated for funding during the FY 2016-17 annual budget process.



2015 Strategic Financial Plan

Capital Improvement Plan

**County of Orange
2015 SFP Capital Improvement Plan
General Fund Capital Projects - Agency 036**

Description	Financing Sources	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast	SFP Total Forecast
Capital Projects								
Appropriations								
Countywide Capital Projects	General Fund	\$ 7,407,004	\$ 6,034,433	\$ 5,937,136	\$ 6,003,925	\$ 6,047,245	\$ 6,079,980	\$ 30,102,719
Capital Projects - Health Care Agency/15D		\$ 8,163,734	\$ 289,309	\$ 708,933	\$ 2,866,059	\$ 240,114	\$ -	\$ 4,104,415
SP - CUF Capital Projects	General Fund	\$ 1,767,849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
800 MHz Capital Projects	15L-Sheriff Communications	\$ 240,797	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer to 14Q - Sheriff Deferred MRP	General Fund	\$ 4,489,720	\$ 2,118,760	\$ 2,150,299	\$ 1,976,640	\$ 2,335,032	\$ 2,071,876	\$ 10,652,607
Transfer to Fund 104 Probation Capital Projects	General Fund	\$ 4,666,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,000,000
Transfer to Fund Fund 105 Debt Service	General Fund	\$ 1,700,000	\$ 1,700,000	\$ 1,700,000	\$ 1,700,000	\$ 307,337	\$ 306,818	\$ 5,714,155
Homeless Shelter	Fund 15G/15B/GF	\$ 12,515,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Deferred Maint Projects & Contingencies	General Fund	\$ 1,454,700	\$ 981,093	\$ 1,000,194	\$ 1,061,690	\$ 1,008,563	\$ 1,046,985	\$ 5,098,525
Department Capital Project Needs		\$ -	\$ 3,905,131	\$ 2,538,182	\$ 3,256,225	\$ 1,351,244	\$ 97,745	\$ 11,148,527
Civic Center Debt Service	General Fund	\$ -	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 11,200,000	\$ 56,000,000
Facilities Master Plan	General Fund	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
Transfer to Capital Projects Reserves		\$ -	\$ -	\$ 175,000	\$ 1,550,000	\$ 3,050,000	\$ 3,400,000	\$ 8,175,000
Total Appropriations/Reimbursements		\$ 43,404,858	\$ 29,228,726	\$ 28,409,744	\$ 32,614,539	\$ 28,539,535	\$ 27,203,404	\$ 145,995,948
Revenue Sources								
Countywide Capital Projects - Reimbursements		\$ -	\$ 3,905,131	\$ 2,538,182	\$ 3,256,225	\$ 1,351,244	\$ 97,745	\$ 11,148,527
CUF - Debt Proceeds		\$ 1,184,520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
800 MHz Capital Projects - 15L		\$ 240,797	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer in from Fund 15D		\$ 12,691,273	\$ 289,309	\$ 708,933	\$ 2,866,059	\$ 240,114	\$ -	\$ 4,104,415
Transfer from Fund 15B - OC Homeless Shelter		\$ 11,565,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer from Fund 15G - OC Homeless Shelter		\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue		\$ 26,631,644	\$ 4,194,440	\$ 3,247,115	\$ 6,122,284	\$ 1,591,358	\$ 97,745	\$ 15,252,942
Net County Cost		\$ 16,773,214	\$ 25,034,286	\$ 25,162,629	\$ 26,492,255	\$ 26,948,177	\$ 27,105,659	\$ 130,743,006
CIP Summary								
Appropriations		\$ 43,404,858	\$ 29,228,726	\$ 28,409,744	\$ 32,614,539	\$ 28,539,535	\$ 27,203,404	\$ 145,995,948
Revenue Sources		\$ 26,631,644	\$ 4,194,440	\$ 3,247,115	\$ 6,122,284	\$ 1,591,358	\$ 97,745	\$ 15,252,942
NCC		\$ 16,773,214	\$ 25,034,286	\$ 25,162,629	\$ 26,492,255	\$ 26,948,177	\$ 27,105,659	\$ 130,743,006
Capital Projects Agency 036 NCC Limits		\$ 16,773,214	\$ 24,034,286	\$ 24,162,629	\$ 28,492,255	\$ 26,948,177	\$ 27,105,659	\$ 130,743,006



**County of Orange
Capital Improvement Plan for 2015 SFP
General Fund Capital Projects - Agency 15D**

Description	Financing Sources	FY 15-16 Budget	FY 15-16 Forecast	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast	SFP Total Forecast
Capital Projects									
Appropriations									
Countywide Capital Projects - HCA	General Fund	\$ 8,163,734	\$ 4,059,319	\$ 289,309	\$ 708,933	\$ 2,866,059	\$ 240,114	\$ -	\$ 4,104,415
Countywide Capital Projects - Sheriff	General Fund	\$ 1,019,720	\$ 1,019,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Countywide Capital Projects - Other	General Fund	\$ 3,507,819	\$ 4,179,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer to General Fund		\$ -	\$ -	\$ -	\$ -	\$ 4,573,470	\$ -	\$ -	\$ 4,573,470
CUF Infrastructure Upgrade - Capital Project	CUF Infrastructure	\$ 65,332,000	\$ 68,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Appropriations/Reimbursements		\$ 78,023,273	\$ 77,258,515	\$ 289,309	\$ 708,933	\$ 7,439,529	\$ 240,114	\$ -	\$ 8,677,885
Revenue Sources									
Beginning Fund Balance Available		\$ 12,691,273	\$ 12,691,273	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Excess Fund Balance Adjustment (1st Quarter)		\$ -	\$ 671,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer from General Fund - Utilities 040 (1st Quarter)		\$ -	\$ 4,573,470	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer from General Fund - HCA 042 (2nd Quarter)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SP - CUF Infrastructure Bonds-Drawdown from Bond Proceeds		\$ 65,332,000	\$ 15,347,000	\$ 39,400,000	\$ 13,253,000	\$ -	\$ -	\$ -	\$ 52,653,000
Total Revenue		\$ 78,023,273	\$ 33,283,400	\$ 39,400,000	\$ 13,253,000	\$ -	\$ -	\$ -	\$ 52,653,000
Ending Fund Balance Unassigned (FBU)		\$ -	\$ (43,975,115)	\$ (4,864,424)	\$ 7,679,643	\$ 240,114	\$ -	\$ -	\$ 43,975,115



2015 Strategic Financial Plan

Capital Improvement Plan

County of Orange
2015 SFP Capital Improvement Plan
Criminal Justice Facilities - ACO Capital Projects Fund 104

Description	FY 15-16 Budget	FY 15-16 Forecast	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast	SFP Total Forecast
Capital Projects								
Appropriations								
Debt Services - Forensic Science Building	\$ 2,617,157	\$ 2,617,157	\$ 2,612,919	\$ 2,606,658	\$ 2,602,184	\$ 2,607,254	\$ 2,602,502	\$ 13,031,517
Debt Service Admin Fee	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 22,500
Probation Facilities	\$ 1,555,783	\$ 2,799,969	\$ 4,045,602	\$ 2,990,505	\$ 1,646,419	\$ 730,025	\$ 1,232,546	\$ 10,645,097
Probation Facilities - General Fund Augmentation	\$ 550,000	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Juvenile Hall - Gym/Visitation Center	\$ 2,116,000	\$ 2,116,000	\$ 4,439,000	\$ 15,751,000	\$ 2,015,712	\$ -	\$ -	\$ 22,205,712
Unallocated - Contingencies for Probation Facilities	\$ 1,490,677	\$ -	\$ 322,456	\$ 350,137	\$ 246,639	\$ 873,675	\$ 441,470	\$ 2,234,377
Juvenile Hall - Gym - Tr to Probation GF Reserves	\$ -	\$ -	\$ -	\$ -	\$ 2,015,712	\$ -	\$ -	\$ 2,015,712
Total Appropriations/Reimbursements	\$ 8,334,117	\$ 8,087,626	\$ 11,424,477	\$ 21,702,800	\$ 8,531,166	\$ 4,215,454	\$ 4,281,018	\$ 50,154,915
Revenue Sources								
Beginning Fund Balance Available	\$ 1,632,617	\$ 1,632,617	\$ 1,490,677	\$ -	\$ -	\$ -	\$ -	\$ 1,490,677
Excess Fund Balance Adjustment (1st Quarter)	\$ -	\$ 1,244,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Decrease (Increase) to Reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Court Fines, Fees, and Penalties	\$ 2,000,000	\$ 2,000,000	\$ 2,060,000	\$ 2,121,800	\$ 2,185,454	\$ 2,185,454	\$ 2,251,018	\$ 10,803,726
Interest	\$ 10,000	\$ 10,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
Misc. Revenue	\$ 25,500	\$ 25,500	\$ 4,800	\$ -	\$ -	\$ -	\$ -	\$ 4,800
Probation Facilities - Probation GF Reserve Draw Aug.	\$ 550,000	\$ 550,000	\$ 1,400,000	\$ 1,800,000	\$ 2,300,000	\$ -	\$ -	\$ 5,500,000
Juvenile Hall - Gym - Probation GF Reserve Draw Aug.	\$ 2,116,000	\$ 2,116,000	\$ 4,439,000	\$ 266,712	\$ -	\$ -	\$ -	\$ 4,705,712
Juvenile Hall - Gym - State Grant Revenue	\$ -	\$ -	\$ -	\$ 15,484,288	\$ 2,015,712	\$ -	\$ -	\$ 17,500,000
Transfer in from 036 Capital Projects	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,000,000
Total Revenue	\$ 8,334,117	\$ 9,578,303	\$ 11,424,477	\$ 21,702,800	\$ 8,531,166	\$ 4,215,454	\$ 4,281,018	\$ 50,154,915
Ending Fund Balance Unassigned (FBU)	\$ -	\$ (1,490,677)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P2 Community Services								
FUND: 100								
AGCY: 063 Social Services Agency								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
063P440	1	800 Eckhoff Building Replace Air Handler						
		Revenue:	106,333	1,700,000	0	0	0	0
		Expense:	106,333	1,700,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This project is for replacement of the Air Handler equipment at the Social Services Agency facility located at 800 Eckhoff. The existing air handler is beyond its serviceable life expectancy. The unit's coils and evaporative drain pans are deteriorating and falling apart. An amount of \$106,333 is requested to be spent or encumbered in FY 2015-16 for design, with the balance required in FY 2016-17 for construction.						
		Agency 063 Total Revenue:	106,333	1,700,000	0	0	0	0
		Agency 063 Total Expense:	106,333	1,700,000	0	0	0	0
		Agency 063 Balance (Funded by NCC/FBA):	0	0	0	0	0	0

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P2 Community Services								
FUND: 106								
AGCY: 106 County Tidelands - Newport Bay								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
1069051	1	Newport Dunes Marina Dredge						
		Revenue:	0	0	248,782	0	0	0
		Reserves:	5,272,407	0	3,551,218	0	0	0
		Expense:	5,272,407	0	3,800,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Remove buildup of silt in Newport Dunes Marina. Last dredge of the Dunes Marina was in FY 2009-10. Dredging this marina ensures safe navigation for boating public in the Newport Dunes Marina.						
		Agency 106 Total Revenue:	5,272,407	0	3,800,000	0	0	0
		Agency 106 Total Expense:	5,272,407	0	3,800,000	0	0	0
		Agency 106 Balance (Funded by NCC/FBA):	0	0	0	0	0	0

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P2 Community Services								
FUND: 406								
AGCY: 406 OC Parks Capital								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
406P001	1	Construction Change Orders						
		Revenue:	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
		Expense:	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Funding required for construction change orders and for unanticipated capital project needs for OC Parks that arise during the fiscal year.						
406P717	2	Salt Creek Revetment Repair						
		Revenue:	0	500,000	3,500,000	0	0	0
		Expense:	0	500,000	3,500,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The proposed project is to rehabilitate the Niguel Shores riprap revetment structure. The existing revetment provides insufficient coverage and protection of the back slope and is constructed of undersized armor stone. In addition, the existing revetment has an over-steepened or flattened revetment slope, an inadequate crest elevation, and a toe depth that is too shallow. The proposed project would rehabilitate the existing Niguel Shores revetment along 1,360 linear feet of shoreline. The rehabilitation would replace the existing inadequately sized stone with larger stone and would extend the top and toe of the revetment higher and deeper, respectively to protect the bluff from damage related to storm wave uprush.						
406P901	3	Santa Ana River Bikeway Enhancements						
		Revenue:	1,000,000	0	0	7,500,000	0	0
		Expense:	1,000,000	0	0	7,500,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Proposition 84 has previously allocated \$500,000 funding to OC Parks to prepare an Engineer's Report to improve the alignment of the Santa Ana River Trail (Phase I) and \$2,000,000 to prepare environmental documentation and construction plans to extend the Trail between Gypsum Canyon Road and the County Boundary (Phase II). OC Public Works/Flood staff expect to construct the extension of the Santa Ana River Trail for \$7,500,000 in FY 2018-19 using additional Proposition 84 funding.						

OC Parks Capital (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
406P940	4	Aliso & Wood Canyons Entrance Improvements						
		Revenue:	1,188,575	2,000,000	0	0	0	0
		Expense:	1,188,575	2,000,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 50 Federal: 0 General Fund: 0 Other: 50						
Description:		This project includes construction of a new Visitor Center with ranger offices and restrooms at Aliso and Wood Canyons Wilderness Park's main park entrance. The project also involves construction of new site utilities that will support the new Visitor Center and future educational buildings.						
406P956	5	O'Neill Maintenance Yard Improvements						
		Revenue:	0	0	2,800,000	0	0	0
		Expense:	0	0	2,800,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The existing maintenance yard buildings at O'Neill Regional Park were built in the 1960's and have reached the end of their useful life. In addition, existing structures are undersized and inefficient for current and future maintenance operations. This project involves replacing the maintenance yard buildings and maintenance bays with new structures that are energy efficient and meet current codes and needs of operations staff serving the Saddleback Operations Unit. This project will create a new O'Neill Regional Park's maintenance yard facility that is a safer, more functional, more aesthetically pleasing work environment and correct non-compliant building code issues.						
406P209	6	OC Zoo Oak Woodland Exhibit						
		Revenue:	0	0	0	0	0	1,700,000
		Expense:	0	0	0	0	0	1,700,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		This project will create a new Oak Woodland Exhibit in the current non-public back area of the zoo. This exhibit space is part of the improvements identified in the Board approved OC Zoo General Development Plan. Currently the back area of the zoo is used as a storage area; it has a mature stand of oak trees and open area, and is not open to the public. The walkways throughout the zoo are narrow and have dead end routes, causing overcrowding and preventing visitors from easily and comfortably strolling through the exhibits on high volume days. Installation of a new Oak Woodlands Exhibit will nearly double the amount of exhibit space at the zoo, improve walkways and strengthen the connection to Irvine Regional Park making it a safer and more enjoyable for OC Zoo visitors.						

OC Parks Capital (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
406PZ10	7	OC Zoo Entry Complex						
		Revenue:	0	0	0	0	0	3,870,000
		Expense:	0	0	0	0	0	3,870,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Currently, the entrance of the OC Zoo also serves as the exit. This causes a bottleneck problem for pedestrian circulation. Implementing a new Entry Complex will improve visitor safety and enhance zoo operations related to pedestrian circulation at the zoo's entry and exit. Improving the Zoo entry area is recommended as part of the OC Zoo's approved General Development Plan.						
406PZ11	8	OC Zoo Discovery Complex						
		Revenue:	0	0	0	0	2,600,000	0
		Expense:	0	0	0	0	2,600,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		The Discovery Complex will offer greater animal interaction, education, and activities to expand existing zoo programs. It will occupy the same space that the Children's Zoo currently does, but will have new elements added to inspire and educate children, while capturing their imagination. Discovery Complex improvements include a new, 2-story, 6,000 square foot barn with exhibits on the first floor and an option for second floor for exhibits with interactive learning and activities space; themed-hand washing station (water tower or trough); demonstration station; special feature exhibits, as well as other facilities such as animal paddocks, holding area, and night houses.						
406PZ11	9	Irvine Ranch Open Space Trailhead & Access Improvements						
		Revenue:	0	0	500,000	500,000	500,000	500,000
		Expense:	0	0	500,000	500,000	500,000	500,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This project involves installation of trailhead and other staging area and trail public access related improvements for those visiting the Irvine Ranch Open Space.						
406PZ13	10	Peters Canyon Improvements						
		Revenue:	0	0	500,000	500,000	500,000	500,000
		Expense:	0	0	500,000	500,000	500,000	500,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Since its public opening in 1992, Peters Canyon Park has been operating under an Interim Operations Plan with limited amenities and visitor serving infrastructure. A general development plan (GDP) is targeted to be complete in FY 15-16. The GDP includes new park amenities such as a boardwalk, trail improvements, rest areas, trail bridges, trail pull outs, benches, habitat restoration, parking improvement and signage.						

OC Parks Capital (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
406PZ14	11	Black Star Regional Park Staging & Trail Enhancements						
		Revenue:	0	500,000	2,800,000	0	0	0
		Expense:	0	500,000	2,800,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:		Black Star Canyon is the one management unit of the Irvine Ranch Open Space expected to eventually support increased public access, similar to a Wilderness Park facility. This project is to explore options for moving forward with the development of Black Star Canyon Wilderness Park. The progress being made in planning efforts for the adjacent Silverado Library present opportunities to update the existing Interim Operations Plan for the Black Star area. This may include short-term improvements to the existing parking and staging area at Black Star Canyon. Considerations may also extend towards more long-term planning of additional concepts for Black Star through a general development plan process.						
406PZ15	12	Aliso Beach Seawall & Shoreline Access Improvements						
		Revenue:	0	150,000	250,000	1,000,000	0	0
		Expense:	0	150,000	250,000	1,000,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:		Coastal storms over the last several years have damaged the existing seawall, public walkways and parking areas along the shoreline edge of Aliso Beach Park. This project involves design, permitting and construction of seawall and public access improvements to protect the parking area, restroom/concession building and other public use spaces at the beach park.						
406PZ16	13	Capistrano Beach Seawall & Shoreline Access Improvements						
		Revenue:	0	150,000	250,000	1,000,000	0	0
		Expense:	0	150,000	250,000	1,000,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:		Ongoing shoreline erosion problems at Capistrano County Beach Park have caused loss of sidewalk and continue to threaten the remaining sidewalk and parking lot. This project involves proposed improvements to protect existing facilities and/or relocate facilities out of current and future wave uprush zones.						
406PZ01	14	Replace Signage Regional Parks						
		Revenue:	0	500,000	500,000	500,000	500,000	500,000
		Expense:	0	500,000	500,000	500,000	500,000	500,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:		OC Parks recently completed new design guidelines for park graphics and signage at Park facilities and parks. The new signage will provide a consistent and aesthetically pleasing look that is in line with OC Parks' branding. Over the next several years, OC Parks will construct and replace park signage throughout the regional park and trail system.						

OC Parks Capital (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
406PZ03	15	OC Bike Loop Segment D Carbon Creek Channel						
		Revenue:	0	1,200,000	563,000	6,900,000	0	0
		Expense:	0	1,200,000	563,000	6,900,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		The proposed project will construct a 0.5 mile Class I bikeway on the Carbon Canyon Creek Channel and a crossing at Bastanchury Road. This segment combines two study segments, following along the Carbon Creek Channel and crossing Bastanchury Road to connect to the Yorba Linda Recreational Bikeway and Trail, completing the Union Pacific RR Bikeway alignment. This proposed project is a necessary link to complete the greater 66 mile OC Loop project that will connect multiple corridors into one continuous loop throughout the northern Orange County area.						
406PZ04	16	OC Bike Loop Segment F&H El Cajon Bikeway						
		Revenue:	0	434,000	2,400,000	0	0	0
		Expense:	0	434,000	2,400,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		The proposed project will complete two gaps in the El Cajon Bikeway portion of the OC Loop that is intended to serve as a 66 mile continuous bicycle facility throughout northern Orange County. The El Cajon Bikeway portion is located mostly in the City of Yorba Linda, with portions in the County of Orange and City of Anaheim. Most of this bikeway exists and is built to high standards. There are two specific gaps within this segment that will be addressed, gap segment F (0.9 miles) and gap segment H (1.2 miles). The proposed project is a necessary link to complete the greater OC Loop project that will connect multiple corridors into one continuous loop throughout the northern Orange County area.						
406PZ05	17	OC Bike Loop Segment O,P, & Q Coyote Creek						
		Revenue:	0	0	0	3,200,000	4,300,000	24,500,000
		Expense:	0	0	0	3,200,000	4,300,000	24,500,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Class I Bikeway along Coyote Creek (Channel Station 512+62 to 615+37) for those portions of the OC Bike Loop within Los Angeles County. This will close three bikeway crossings and gaps (Imperial Highway, Golden Ave, and Bastanchury Rd.) and six bikeway gaps (along Grandview Ave, Mountain Ave., Kellogg Dr., Arroyo Cajon Dr., Fairlynn Blvd., and Fairmont Blvd.) in effort to complete the 66 mile Loop by closing these gaps. This also includes processing a Use Agreement, Flood Permit applications, Best Management Practices (BMPs), Construction Plans, As-Builts, and Right of Way Maps for these portions of the Loop.						

OC Parks Capital (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
406PZ06	18	Park Planning Documents						
		Revenue:	0	300,000	300,000	300,000	300,000	300,000
		Expense:	0	300,000	300,000	300,000	300,000	300,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Prepare new or updated park planning documents (General Development Plans and Resource Management Plans) for OC Parks facilities.					
406PZ07	19	Cooper Center Site Improvements						
		Revenue:	0	0	0	500,000	500,000	0
		Expense:	0	0	0	500,000	500,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Existing buildings at the Cooper Center site at 1119 E. Chestnut are in need of repairs and updates. The fire alarm system is obsolete and in need of replacement. The existing "Yellow" warehouse may need replacement/upgrade. The outdoor parking and storage areas need to be upgraded to meet National Pollutant Discharge Elimination System (NPDES) compliance. The Cooper Center Lab needs additional storage space for the County's Archaeological and Paleontological Collection.					
406PZ08	20	Talbert Regional Park Enhancements						
		Revenue:	0	400,000	750,000	1,000,000	0	0
		Expense:	0	400,000	750,000	1,000,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 47 Federal: 0 General Fund: 0 Other: 53					
Description:			An Enhancement Plan for Talbert Regional Park is targeted for completion in FY 15-16. This project will implement improvements proposed in the Enhancement Plan such as targeted removal of invasive plants, native habitat restoration, enhancement of Victoria Pond wetlands habitat, and public access and recreation related improvements.					
406PZ02	21	Newport Replace Bay View Bridge						
		Revenue:	0	1,500,000	0	0	0	0
		Expense:	0	1,500,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			The Bay View pedestrian and bicycle bridge is located adjacent to the Upper Newport Bay Nature Preserve and over the Santa Ana-Delhi Flood Control Channel. A series of storm events over the last decade have damaged and eroded portions of the channel embankment beneath the bridge. The erosion resulted in loss of soil and rip-rap protecting the bridge's footings and compromising the bridge's safety. A new, wider 120' span bridge is required to provide a safe trail crossing.					
Agency 406 Total Revenue:			4,188,575	9,634,000	17,113,000	24,900,000	11,200,000	33,870,000
Agency 406 Total Expense:			4,188,575	9,634,000	17,113,000	24,900,000	11,200,000	33,870,000
Agency 406 Balance (Funded by NCC/FBA):			0	0	0	0	0	0

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P3 Infrastructure & Environmental								
FUND: 108								
AGCY: 108 OC Dana Point Harbor								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
108P107	1	Harbor Revitalization Landside						
		Revenue:	0	0	36,700,000	0	0	0
		Reserves:	6,909,200	11,100,000	0	15,500,000	2,700,000	0
		Expense:	6,909,200	11,100,000	36,700,000	15,500,000	2,700,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The Revitalization Plan anticipates the landside portion to begin in Phases 1-3 and 5 which will include the renovation and/or construction of new buildings for the commercial core; updating of infrastructure including accommodations for ADA compliance; and new parking structure.						
108P112	2	Harbor Revitalization Waterside						
		Revenue:	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
		Expense:	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Phases 6-18 of the Revitalization Plan includes repair and replacement where necessary of the docks and support structures for the marinas in Dana Point Harbor, including making upgrades required based on new code requirements including ADA requirements. (Phase 4 is related to dry boat storage construction. Various options are being considered).						
		Agency 108 Total Revenue:	7,909,200	12,100,000	37,700,000	16,500,000	3,700,000	1,000,000
		Agency 108 Total Expense:	7,909,200	12,100,000	37,700,000	16,500,000	3,700,000	1,000,000
		Agency 108 Balance (Funded by NCC/FBA):	0	0	0	0	0	0

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P3 Infrastructure & Environmental								
FUND: 115								
AGCY: 115 OC Road								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
115PZ08	1	Live Oak Canyon Road, El Toro/Santiago Canyon Road to O'Neil						
		Revenue:	0	1,967,300	0	0	0	0
		Expense:	0	1,967,300	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 58 Federal: 42 General Fund: 0 Other: 0						
Description:		Proposed safety improvements include construction of asphalt concrete curbs, 'V' ditches, shoulder grading, removal and replacement of signs and installation of guardrails.						
115PZ09	2	Marine Way						
		Revenue:	0	3,000,000	6,300,000	6,300,000	0	0
		Expense:	0	3,000,000	6,300,000	6,300,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		On March 4, 2003, the City of Irvine and the Irvine Redevelopment Agency (collectively City), and the County entered into a "Property Tax Transfer and Pre-Annexation Agreement". Per the Agreement, among other things, the City will provide the County 100 contiguous acres in the southwesterly corner of the El Toro Marine Corps Air Station for the exclusive use of the County, with vehicular access to Marine Way. The City will create a funding mechanism so that all base users pay their fair share of costs. Infrastructure improvements will include utilities, roadways, sewer lines and other types of infrastructure needed to service County parcels. The County will retain exclusive land use control over the parcels and could place any development upon the parcels as the County determines. The County's fair share is currently estimated to be \$15.6 Million.						
115PR50	3	La Pata Avenue Gap Closure/Widening, Phase I & II						
		Revenue:	28,255,130	9,872,547	5,787,343	0	0	0
		Expense:	28,255,130	9,872,547	5,787,343	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Extend a 4.1-mile segment of La Pata to provide relief to existing and future congestion on Ortega Highway and improve inter-jurisdictional circulation for existing and future development in the South County/San Clemente area.						

OC Road (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
115PR64	4	Crawford Canyon Road Drainage Improvements & Reconstruction						
		Revenue:	0	3,190,000	0	0	0	0
		Expense:	0	3,190,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 87 Federal: 0 General Fund: 0 Other: 13					
Description:			Drainage improvements to eliminate existing open ditches and improve overall safety. Estimates include Parks drainage improvements.					
115PZ14	5	Modjeska Canyon Road Bridge Replacement 55C-172						
		Revenue:	0	0	0	1,092,000	0	0
		Expense:	0	0	0	1,092,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 100 General Fund: 0 Other: 0					
Description:			Replace the existing bridge which is functionally obsolete according to CALTRANS bridge inspection report. This project qualifies for Harbor's Beaches & Parks state/federal funding.					
115PZ20	6	Oso Parkway at Antonio Parkway, Intersection Improvements						
		Revenue:	0	1,224,000	0	0	0	0
		Expense:	0	1,224,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			The project will widen the intersection at Oso Parkway and Antonio Parkway to add a third eastbound left-turn lane and a third westbound left-turn lane.					
115PZ27	7	Silverado Canyon Road Bridge 55C-0174 Replacement						
		Revenue:	0	0	0	1,436,400	0	0
		Expense:	0	0	0	1,436,400	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 100 General Fund: 0 Other: 0					
Description:			Replace the Silverado Canyon Road Bridge over Silverado Creek (Bridge No. 55C-0174) and reconstruct roadway approach at each end of the bridge.					

OC Road (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
115PZ28	8	Silverado Canyon Road Bridge 55C-0175 Replacement						
		Revenue:	0	0	0	1,115,800	0	0
		Expense:	0	0	0	1,115,800	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 100 General Fund: 0 Other: 0					
Description:			Replace the existing bridge which is structurally deficient according to CALTRANS bridge inspection report. This project qualifies for Harbor Beaches & Parks state/federal funding.					
115PZ29	9	Silverado Canyon Road Bridge 55C-0177 Replacement						
		Revenue:	0	0	0	1,237,600	0	0
		Expense:	0	0	0	1,237,600	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 100 General Fund: 0 Other: 0					
Description:			Replace the Silverado Canyon Road Bridge (Bridge No. 55C-0177).					
115PZ30	10	Surfside Inn Pedestrian Overcrossing Phase II						
		Revenue:	0	0	3,500,000	0	0	0
		Expense:	0	0	3,500,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 100 Federal: 0 General Fund: 0 Other: 0					
Description:			Construct new bridge with elevators and stairs, then remove the old bridge over the railroad. Ownership will then transfer to the City of Dana Point.					
115PZ36	11	Foothill, Old Foothill, Fairhaven, Hewes, Fowler Sidewalk Improvement						
		Revenue:	0	0	0	0	1,966,000	0
		Expense:	0	0	0	0	1,966,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 75 Federal: 25 General Fund: 0 Other: 0					
Description:			Sidewalk Improvement - Foothill Boulevard - Old Foothill Boulevard to Hewes Avenue; Old Foothill Boulevard - 600' North of Foothill Boulevard to Hewes Avenue; Fairhaven Avenue- Hewes Avenue to Arnell Road; Hewes- Fairhaven to Fowler; Fowler- Hewes to Charmaine.					

OC Road (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
115PZ37	12	Southwest Anaheim Sidewalk Improvements						
		Revenue:	0	0	0	2,663,000	0	0
		Expense:	0	0	0	2,663,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 100 General Fund: 0 Other: 0						
Description:		Sidewalk Improvements - Harvest; Yardley; Pandora; Mystic; Vancouver; Colchester; Hillview; Harvest Parade; Random; Gilbert.						
115PZ31	13	Trabuco Canyon Road, O'Neill Regional Park entrance to County/City Boundary						
		Revenue:	0	1,260,200	0	0	0	0
		Expense:	0	1,260,200	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 52 Federal: 48 General Fund: 0 Other: 0						
Description:		Proposed safety measures include widening of the shoulders, installing guardrails, installing rumble strips, drainage improvements and upgrading roadside warning signs.						
115PR47	14	Edinger Avenue Bridge Replacement Over Bolsa Chica						
		Revenue:	9,342,200	9,342,200	0	0	0	0
		Expense:	9,342,200	9,342,200	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 60 Federal: 40 General Fund: 0 Other: 0						
Description:		Replace existing timber structure with a 48.5 feet wide concrete bridge, construct approaches, utility relocations, sidewalk, decorative street lighting, etc.						
115LZ02	15	Brea Boulevard/Brea Canyon Road						
		Revenue:	0	0	0	237,996	555,324	713,988
		Expense:	0	0	0	237,996	555,324	713,988
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Project will widen the existing rural two lane roadway to a four lane. Right of Way will need to be acquired to widen the road to meet the Master Plan Arterial Highway classification as a primary roadway.						

OC Road (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
115LZ03	16	Meads & Amapola Avenue Bridges						
		Revenue:	0	0	0	0	0	30,000
		Expense:	0	0	0	0	0	30,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		The project is for replacement of the culvert crossing with a larger culvert for drainage improvements.						
115LZ04	17	Modjeska Canyon Road Bridge Replacemt 55C-0172						
		Revenue:	0	70,000	90,000	10,000	0	0
		Expense:	0	70,000	90,000	10,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Replace the existing bridge which is functionally obsolete according to CALTRANS bridge inspection report. The entire bridge lies on private property. Right of Way acquisition is required for both the existing structure and for widening. This project qualifies for Federal Highway Bridge Program funding.						
115LZ05	18	Foothill, Old Foothill, Fairhaven, Hewes, Fowler Sidewalk Improvement						
		Revenue:	0	79,500	185,500	238,500	26,500	0
		Expense:	0	79,500	185,500	238,500	26,500	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Foothill, Old Foothill, Fairhaven, Hewes, Fowler Sidewalk Improvement						
115LZ06	19	Southwest Anaheim Sidewalk Improvements						
		Revenue:	0	591,500	760,500	84,500	0	0
		Expense:	0	591,500	760,500	84,500	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 21 Federal: 79 General Fund: 0 Other: 0						
Description:		Southwest Anaheim Sidewalk Improvements.						

OC Road (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
115L000	20	Undesignated Land						
		Revenue:	0	500,000	500,000	500,000	500,000	500,000
		Expense:	0	500,000	500,000	500,000	500,000	500,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Funds budgeted for unforeseen and undesignated capital project right-of-way acquisitions.						
115LZ01	21	Edinger Avenue Bridge Replacement						
		Revenue:	0	50,000	0	0	0	0
		Expense:	0	50,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Replace existing timber structure with a 48.5 feet wide concrete bridge, construct approaches, utility relocations, sidewalk, decorative street lighting, etc.						
115PZ16	22	Newland Street Pavement Rehabilitation						
		Revenue:	0	0	0	0	0	1,200,000
		Expense:	0	0	0	0	0	1,200,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Pavement rehabilitation including full depth replacement of failed areas						
115PR11	23	Laguna Canyon Road-Segment 4 Phase II - IV El Toro						
		Revenue:	0	0	1,115,616	0	0	0
		Expense:	0	0	1,115,616	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This project is for the mitigation associated with the Laguna Canyon Road Segment 4 (Phases II-IV). It is expected that the mitigation will be two acres and it will take place in Laguna Coast Wilderness Park.						

OC Road (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
115PZ32	24	Esperanza Road Drainage & Rehabilitation Improvements						
		Revenue:	0	0	0	0	0	1,700,000
		Expense:	0	0	0	0	0	1,700,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		This project proposes to construct curb & gutter, along with asphalt concrete pavement, and storm drain improvements.						
115PR73	25	Modjeska Grade Road & Drainage Improvement Segment 1						
		Revenue:	1,300,000	0	0	0	1,300,000	0
		Expense:	1,300,000	0	0	0	1,300,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 100 Federal: 0 General Fund: 0 Other: 0						
Description:		Reconstruct the asphalt concrete pavement for the entire length of the project. Install new storm drain system consisting of combination of a cast-in-place box culvert and various-sided storm drains.						
Agency 115 Total Revenue:			38,897,330	31,147,247	18,238,959	14,915,796	4,347,824	4,143,988
Agency 115 Total Expense:			38,897,330	31,147,247	18,238,959	14,915,796	4,347,824	4,143,988
Agency 115 Balance (Funded by NCC/FBA):			0	0	0	0	0	0

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P3 Infrastructure & Environmental								
FUND: 273								
AGCY: 273 OCWR Capital Project Fund								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
273P729	1	Frank R. Bowerman Phase VIII B-2 Soil Buttress and Liner						
		Revenue:	0	16,000,000	18,000,000	0	0	0
		Expense:	0	16,000,000	18,000,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Construction for Phase VIII B will be performed to install a new liner. In order to protect groundwater underlying the Frank R. Bowerman Landfill, groundwater protection liner systems are installed prior to waste disposal. These landfill liner systems are designed in accordance with the Master Development Plan and meet all Federal, State and local regulations for groundwater protection.						
273P720	2	Olinda Interior Road Improvements						
		Revenue:	0	0	500,000	0	385,082	0
		Reserves:	500,000	0	0	0	114,918	0
		Expense:	500,000	0	500,000	0	500,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The Olinda Alpha Landfill Interior Road Improvements will include periodic pavement rehabilitation of the main access road and service roads, as well as planned reconstruction of the main access road.						
273P738	3	Frank R. Bowerman Phase VIII A Landslide Remediation and Liner						
		Revenue:	0	0	0	0	0	2,000,000
		Expense:	0	0	0	0	0	2,000,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Construction for Phase VIII A will be performed to install a new liner. In order to protect groundwater underlying the Frank R. Bowerman Landfill, groundwater protection liner systems are installed prior to waste disposal. These landfill liner systems are designed in accordance with the Master Development Plan and meet all Federal, State and local regulations for groundwater protection.						

OCWR Capital Project Fund (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
273P755	4	Frank R. Bowerman Visual Mitigation Planting Project						
		Revenue:	0	1,500,000	0	0	0	0
		Expense:	0	1,500,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			The Frank R. Bowerman Landfill requires implementation of vegetation on the North End landslide remediation excavation and East Flank landslide remediation excavation to blend in the exposed cut face with the surrounding hillsides. In addition, the existing soils are high in salt and require specialized vegetation and amendments.					
273P743	5	Olinda Front Face Partial Closure - Phase 2						
		Revenue:	1,300,000	16,500,000	5,500,000	0	0	0
		Expense:	1,300,000	16,500,000	5,500,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			The upper half of the front face of the Olinda Alpha Landfill will be closed with a permanent evapotranspirative cap that will include modifications to the landfill gas system, installation of water line improvements, road improvements, channel reconstruction, landscaping, stockpile relocation, and basin construction.					
273P565	6	Olinda Main Access Road Widening						
		Revenue:	0	400,000	0	0	4,000,000	0
		Expense:	0	400,000	0	0	4,000,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			The Olinda Alpha Landfill Main Access Road Widening project will widen the main access road to add an additional inbound lane from Sandpiper Way to the fee booths to provide more access for landfill traffic.					
273P719	7	Olinda Drainage Channel Improvements						
		Revenue:	0	0	0	0	174,000	2,000,000
		Reserves:	0	0	0	0	26,000	0
		Expense:	0	0	0	0	200,000	2,000,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			The Olinda Alpha Landfill Drainage Channel project is to improve the drainage system which requires redesigning and replacing the existing upper section of the east channel. This channel will drain both storm water and excess water from the highest levels of the landfill to the lowest point.					

OCWR Capital Project Fund (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
273P734	8	Prima Zone 1 Phase D1 & D2 Mass Excavation						
		Revenue:	0	11,000,000	11,000,000	0	0	0
		Expense:	0	11,000,000	11,000,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Prima Deshecha Landfill Zone 1's Phases D1 & D2 Mass Excavation and Groundwater Protection project will prepare Phases D1 & D2, which is approximately 47 acres of natural area, for use as the next waste disposal area. This project will include the excavation of 2.5 million cubic yards of dirt, installation of a composite liner, a drainage system, and a leachate collection system.						
273P756	9	Frank R. Bowerman Wetlands Basin II						
		Revenue:	0	0	2,700,000	0	0	0
		Expense:	0	0	2,700,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The Frank R. Bowerman Landfill requires construction of a Wetlands Basin in downstream of the West Basin and expansion of the West Basin. This is in response to the new National Pollutant Discharge Elimination System (NPDES) Industrial General Permits which limit total suspended solid [sediment] on storm water discharge.						
Agency 273 Total Revenue:			1,800,000	45,400,000	37,700,000	0	4,700,000	4,000,000
Agency 273 Total Expense:			1,800,000	45,400,000	37,700,000	0	4,700,000	4,000,000
Agency 273 Balance (Funded by NCC/FBA):			0	0	0	0	0	0

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P3 Infrastructure & Environmental								
FUND: 281								
AGCY: 281 John Wayne Airport Construction Fund								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
281P107	1	Testing and Inspection						
		Revenue:	1,000,000	1,640,000	1,490,000	788,080	450,000	450,000
		Expense:	1,000,000	1,640,000	1,490,000	788,080	450,000	450,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			On-going evaluation of construction site associated with the Terminal improvement.					
281P200	2	South East Parking Structure Replacement						
		Revenue:	0	0	0	3,000,000	15,000,000	12,000,000
		Expense:	0	0	0	3,000,000	15,000,000	12,000,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Construction of a new 2,200 space parking facility associated with the Terminal C construction.					
281P202	3	Terminal Improvements						
		Revenue:	20,000,000	44,650,660	32,103,786	5,932,075	0	0
		Expense:	20,000,000	44,650,660	32,103,786	5,932,075	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Update and improve numerous safety, code compliance, comfort, convenience, and aesthetic improvements, primarily in Terminals A and B, that will allow patrons to experience a uniform level of quality and service throughout the Thomas F. Riley Terminal.					
281P211	4	Paularino Street Gate Relocation						
		Revenue:	2,600,000	600,000	0	0	0	0
		Expense:	2,600,000	600,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Reconstruct intersection at Paularino Street and Airway Avenue to install guard shelter, alarm and access control devices.					

John Wayne Construction (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
281P238	5	Realign Taxiway A						
		Revenue:	0	0	0	1,400,000	8,145,000	8,145,000
		Expense:	0	0	0	1,400,000	8,145,000	8,145,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Reconstruct and realign Taxiway A utilizing P-501 Portland Cement Concrete material for the pavement section, in lieu of the current P-401 Asphalt Concrete material, to provide a highly-durable concrete pavement from the south end of the main runway all the way to the gates.						
281P404	6	Central Plant Black Start and Load Shedding						
		Revenue:	0	800,000	700,000	0	0	0
		Expense:	0	800,000	700,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Provides capability for the Central Plant to restart the generator engines when they go offline following Southern California Edison power failure.						
281P409	7	Station 18 Improvements						
		Revenue:	1,000,000	1,500,000	1,000,000	0	0	0
		Expense:	1,000,000	1,500,000	1,000,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Create a second Sheriff monitoring and response center in the Old Aircraft Rescue Fire Fighting Building to replicate the function of the current Station 18, and renovate the current Station 18 in Terminal's Administrative Offices.						
281P100	8	Airport Improvement Program Contingency						
		Revenue:	1,500,000	1,800,000	1,800,000	1,800,000	1,800,000	0
		Expense:	1,500,000	1,800,000	1,800,000	1,800,000	1,800,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Contingency used for unanticipated increases to budgeted Airport Improvement Plan capital projects and for emergency capital projects.						
281P101	9	Project Management and Consultant Services						
		Revenue:	1,850,000	3,022,424	3,016,560	2,540,584	1,500,000	1,500,000
		Expense:	1,850,000	3,022,424	3,016,560	2,540,584	1,500,000	1,500,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Contractors that provide project management or consultant services on multiple capital projects.						

John Wayne Construction (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
281P410	10	Taxiway B Rehabilitation						
		Revenue:	1,000,000	2,900,000	0	0	0	0
		Expense:	1,000,000	2,900,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Construction to rehabilitate Taxiway B from Taxiway D north 4,300 feet to a previously completed taxiway to extend the service life of the taxiway an additional 20 years.						
281P415	11	Airfield Guard Lights and Edge Lights Replacement						
		Revenue:	1,000,000	900,000	0	0	0	0
		Expense:	1,000,000	900,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Replace incandescent elevated runway guard light fixtures, runway edge lights on 20R-2L and taxiway signage with LEDs; and add in-pavement runway guard lights to high-traffic runway/taxiway intersections.						
281P414	12	Main Street and Employee Parking Lots Resurfacing						
		Revenue:	200,000	550,000	0	0	0	0
		Expense:	200,000	550,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Asphalt pavement rehabilitation and resurfacing of the parking lots, including miscellaneous grade adjustments, ADA (Americans with Disabilities Act) parking stalls additions, and electric vehicle charging station provision.						
281P417	13	Airfield Lighting Controller Upgrade						
		Revenue:	250,000	300,000	0	0	0	0
		Expense:	250,000	300,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Replacement of the two (2) airfield lighting vault controllers and installation of pavement lighting at taxiways Hotel, Juliet, Kilo, and Lima.						

John Wayne Construction (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
281P418	14	Aircraft Rescue Fire Fighting Foam Discharge Containment Unit						
		Revenue:	250,000	500,000	0	0	0	0
		Expense:	250,000	500,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Provision of a containment apparatus or unit to receive and hold Aircraft Rescue Fire Fighting foam discharged from fire-fighting trucks.					
281PZ01	15	General Aviation Pavement Upgrade						
		Revenue:	0	0	0	3,000,000	0	0
		Expense:	0	0	0	3,000,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Provides for the strengthening of asphalt pavement on the west side of the airfield to support heavier general aviation aircraft.					
281PZ02	16	Reconstruct Taxiways D and E						
		Revenue:	0	0	0	0	2,000,000	2,000,000
		Expense:	0	0	0	0	2,000,000	2,000,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:			State: 0 Federal: 0 General Fund: 0 Other: 100					
Description:			Provides for the replacement of the deteriorating asphalt pavement on Taxiways D and E with P-501 Portland cement concrete.					
		Agency 281 Total Revenue:	30,650,000	59,163,084	40,110,346	18,460,739	28,895,000	24,095,000
		Agency 281 Total Expense:	30,650,000	59,163,084	40,110,346	18,460,739	28,895,000	24,095,000
		Agency 281 Balance (Funded by NCC/FBA):	0	0	0	0	0	0

FIVE YEAR STRATEGIC FINANCIAL PLAN								
PGM: P3 Infrastructure & Environmental								
FUND: 400								
AGCY: 400 OC Flood								
Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
400PF57	1	Santa Ana River Channel Dredging						
		Revenue:	0	0	0	0	0	0
		Reserves:	20,000,000	22,000,000	0	0	0	0
		Expense:	20,000,000	22,000,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The project site is located in the lower Santa Ana River, County of Orange, where the earthen-bottom reaches from the Santa Ana River mouth (Pacific Ocean) to upstream of Adams Avenue. The length of the River to be dredged is approximately 3.5 miles. The project would return the Lower 3.5 miles of the River to its design grade. In order to remove the sediment, some vegetation removal must be performed. Beach compatible material will be deposited within the near-shore littoral zone at the Newport Beach groin fields between depths of -10 and -30 feet Means Low Low Water (MLLW); near-shore or on-shore at Sunset/Surfside Colony; on-shore Seal Beach East Beach; on-shore at several locations in Huntington Harbor; or at a combination of these sites. An upper grade limit for sediment accumulation was established by the U.S. Army Corps of Engineers in their Operations and Maintenance (O&M) Manual for this facility. Once sediment deposition exceeds this limit, the sediment must be removed to return the river to its design invert elevation in order to provide the established level of flood protection. The anticipated maintenance frequency for the lower reach is estimated in the Corps' O&M Manual to occur approximately once every 18 years. The U.S. Army Corps of Engineers has now required the Orange County Flood Control District to remove the excess sediment. Based on a May 2013 bathymetric survey of the Santa Ana River, the estimated maximum potential volume of export for the currently proposed dredge cycle is 1.1 million cubic yards.						
400PF41	2	Fullerton Creek Channel - Western Avenue to Beach Boulevard						
		Revenue:	0	10,000,000	0	0	0	0
		Expense:	0	10,000,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This channel is in a FEMA Special Flood Hazard Area (high risk) Zone AO. The existing geometric of this channel is a rectangular reinforced concrete-lined channel, 32-feet wide and 12.5-feet high. These interim improvements were constructed in 1999. The ultimate improvements, designed to convey the 100-year storm event, include removing a false invert and constructing the left side channel wall increasing the height to 17-feet while maintaining the channel width and widening the under crossing at Western Avenue to 31 feet. The project length is approximately 1,842 feet.						

OC Flood (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
400PZ02	3	Santa Ana-Delhi Channel - BackBay to Mesa Drive						
		Revenue:	0	12,350,000	0	0	0	0
		Expense:	0	12,350,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This channel is in a FEMA Special Flood Hazard Area Zone A. The downstream segment was constructed in 1961 to convey the 25-year storm event; the existing channel has concrete lined slopes at 1 to 1 ratio with earth base width of 16-feet. This segment of the channel has severely eroded. In addition to a project report, design alternatives are currently being evaluated to determine the ultimate improvements for the channel that will minimize construction, real estate acquisition and mitigation costs while providing an acceptable level of flood protection.						
400PZ03	4	Lane Channel						
		Revenue:	0	17,300,000	0	0	0	0
		Expense:	0	17,300,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Lane Channel was constructed in 1966 as an earthen bottom, concrete-lined slope channel from it's confluence with San Diego Creek to State Route 55. Portions of the channel have been improved by developers or by the City of Irvine as part of their development projects or street improvements. The channel has experienced significant erosion over the years and is in need of repair and improvement to current design standards. Design alternatives are being evaluated to determine the ultimate improvements to be constructed for the channel that will minimize construction and mitigation costs while providing an acceptable level of flood protection. Phase 1 extends from upstream of Jamboree Road to the Main Street crossing for a distance of approximately 4,900 feet.						
400PZ04	5	San Juan Creek Channel/Trabuco Creek Channels						
		Revenue:	0	1,856,000	0	0	0	0
		Expense:	0	1,856,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The existing channels have concrete-lined slopes (top width is 125 to 200-feet or more) and earthen bottoms approximately 70 to 150 feet wide. The improvements call for construction of three to four foot high masonry splash walls on top of the recently installed sheet piles at the edge of the existing maintenance road. The splash walls will provide required FEMA free board for the ultimate 100-year storm flow. The project length is approximately 8,700 feet.						

OC Flood (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
400PZ01	6	US Army Corps of Engineers PL 84-99 Repair						
		Revenue:	0	7,000,000	0	0	0	0
		Expense:	0	7,000,000	0	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The US Army Corps of Engineers (USACE) manages a Federal program entitled Public Law 84-99 (PL 84-99) where the Federal Government through USACE will support local agencies with flood fighting and repair resources if and when required. However, local flood control agencies must maintain their flood control infrastructure to specific Federal standards. USACE recently conducted inspections of OC Flood Control District facilities and found several facilities unacceptable to Federal standards, thus finding these facilities ineligible for PL 84-99 Program. This project will repair/upgrade these ineligible facilities to meet current PL 84-99 standards to be eligible for re-admittance back into the PL 84-99 program.						
400PZ06	7	Fullerton Creek Channel/Beach Boulevard to I-5						
		Revenue:	0	0	8,400,000	0	0	0
		Expense:	0	0	8,400,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Fullerton Creek Channel between Beach Boulevard and the I-5 Freeway currently exists as a concrete trapezoidal channel with a five foot wide bottom and 1:1 side slopes and currently has the capacity to carry runoff from a 10 to 25-year storm event. The proposed project will widen the channel to a rectangular vertical wall channel capable of full 100-year storm conveyance.						
400PZ07	8	Fullerton Creek Channel/I-5 to Downstream Dale Street						
		Revenue:	0	0	8,400,000	0	0	0
		Expense:	0	0	8,400,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Fullerton Creek Channel between Beach Boulevard and the I-5 Freeway currently exists as a concrete trapezoidal channel with a five foot wide bottom and 1:1 side slopes and currently has the capacity to carry runoff from a 10 to 25-year storm event. The proposed project will widen the channel to a rectangular vertical wall channel capable of full 100-year storm conveyance.						
400PZ05	9	East Garden Grove - Wintersburg Channel						
		Revenue:	0	0	22,000,000	0	0	0
		Expense:	0	0	22,000,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This channel is in a FEMA Special Flood Hazard Area Zone A. The existing geometrics of this channel is a trapezoidal channel lined with rip rap designed to convey the 25-year storm event. This channel will be improved to ultimate conditions as a vertical wall channel with, soft bottom (120-foot wide) to convey the 100-year storm event. The length is approximately 5,000 feet.						

OC Flood (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
400PZ08	10	Trabuco Creek Channel						
		Revenue:	0	0	12,300,000	0	0	0
		Expense:	0	0	12,300,000	0	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		The existing channel consists of earth bottom (70-foot base width), and concrete-lined sides slopes. The ultimate improvements for this channel are currently being designed. The length is approximately 1,900 feet and this location is a bottleneck with potential for over topping.						
400PZ09	11	Carbon Creek Channel/Western - Orange						
		Revenue:	0	0	0	9,100,000	0	0
		Expense:	0	0	0	9,100,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Carbon Creek Channel between Western Avenue and Orange Avenue currently exists as a riprap lined trapezoidal channel capable of conveying runoff from a 10-year storm event. The proposed project will improve the channel and the under at both Western and Orange to convey runoff from a full 100-year storm event.						
400PZ10	12	Carbon Creek Channel/Western/Orange to Upstream Beach Boulevard						
		Revenue:	0	0	0	7,500,000	0	0
		Expense:	0	0	0	7,500,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Carbon Creek Channel from Orange Avenue to Beach Boulevard currently exists as a trapezoidal earthen and riprap lined channel; however, a 400 foot reach of the channel approximately 1,100 feet east of Orange Avenue currently exists as a triple barrel 14'x9.5' RCB. The channel is currently design to convey runoff from a 10-year storm event. The channel will be improved to full 100-year conveyance.						
400PZ11	13	Carbon Creek Channel/Upstream Beach Boulevard to Dale Sreet						
		Revenue:	0	0	0	7,000,000	0	0
		Expense:	0	0	0	7,000,000	0	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Carbon Creek Channel from Orange Avenue to Beach Boulevard currently exists as a trapezoidal earthen and riprap lined channel; however, a 400 foot reach of the channel approximately 1,100 feet east of Orange Avenue currently exists as a triple barrel 14'x9.5' RCB. The channel is currently design to convey runoff from a 10-year storm event. The channel will be improved to full 100-year conveyance.						

OC Flood (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
400PZ12	14	Carbon Creek Channel/Upstream Gilbert Street to Downstream I-5 Fwy						
		Revenue:	0	0	0	0	20,000,000	0
		Expense:	0	0	0	0	20,000,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Portions of this channel were constructed in 1962 and 1959. The downstream segment will convey the 100-year storm event; the upstream segment however is hydraulically deficient. This channel segment is in a FEMA Special Flood Hazard Zone A through the Dad Miller Golf Course, Gilbert Retarding Basin and Crescent Retarding Basin. The existing geometrics of the channel between the two retarding basins is channel is a trapezoidal channel (bottom width is varying from 8-feet to 17-feet, side slope ratio of 2 to 1) lined with rip rap; one half of the channel will ultimately be improved as an "L" shaped channel lined with concrete; the length is approximately 4,600 feet.						
400PZ13	15	Carbon Creek Channel/I-5 to Euclid						
		Revenue:	0	0	0	0	6,100,000	0
		Expense:	0	0	0	0	6,100,000	0
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This channel was constructed in the 1959 designed to convey the 25-year storm event. This channel is in a FEMA Special Flood Hazard Area, Zone A, and remains hydraulically deficient. The existing geometrics of this channel is a trapezoidal channel (bottom width is 8-ft, side slope is 1.5 to 1.5) lined with riprap. The channel will ultimately be improved to convey the 100-year storm event; the length is approximately 3,000 feet.						
400PZ14	16	East Garden Grove Wintersburg Channel/Confluence with Oceanview Channel to Upstream Beach Boulevard						
		Revenue:	0	0	0	0	0	11,000,000
		Expense:	0	0	0	0	0	11,000,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This channel is in a FEMA Special Flood Hazard Area Zone A. The existing channel consist of earth bottom and riprap-lined side slopes constructed in the 1960's and designed to convey the 25-year storm event. This channel will be improved to ultimate conditions as a concrete rectangular channel, (60-feet wide) and designed to convey the 100-year storm event including the undercrossing at Beach Boulevard. The project length is approximately 2,800 feet.						

OC Flood (continued)

Org	Seq#	Capital Project Description	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
400PZ15	17	East Garden Grove-Wintersburg Channel/Upstream Beach to Downstream Woodruff						
		Revenue:	0	0	0	0	0	9,356,630
		Expense:	0	0	0	0	0	9,356,630
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		This channel is in a FEMA Special Flood Hazard Area Zone A. The existing channel is an earth bottom channel with side slopes lined with rip rap (20-foot base width, 13-foot height, and side slope 1.5 to 1 ratio), constructed in the 1960's and designed to convey the 25-year storm event. This channel will be improved to ultimate conditions as a concrete-lined rectangular channel, (60-feet wide by 13-feet high) and designed to convey the 100-year storm event. The project length is approximately 2,600 feet.						
400L000	18	Right-of-Way Acquisitions for Various Flood Control Projects						
		Revenue:	0	500,000	500,000	500,000	500,000	500,000
		Expense:	0	500,000	500,000	500,000	500,000	500,000
		Balance (Funded by NCC/FBA):	0	0	0	0	0	0
Funding Source:		State: 0 Federal: 0 General Fund: 0 Other: 100						
Description:		Some of the District's flood control projects will require acquisition of right-of-way, such as: temporary construction easements, flood control easements, and right of entry. Acquisition of such right of way may not be specifically know at this time and the amount budgeted is needed to secure the land as soon as its full extent is identified.						
Agency 400 Total Revenue:			20,000,000	71,006,000	51,600,000	24,100,000	26,600,000	20,856,630
Agency 400 Total Expense:			20,000,000	71,006,000	51,600,000	24,100,000	26,600,000	20,856,630
Agency 400 Balance (Funded by NCC/FBA):			0	0	0	0	0	0

	County Totals	FY 15-16 Budget	FY 16-17 Forecast	FY 17-18 Forecast	FY 18-19 Forecast	FY 19-20 Forecast	FY 20-21 Forecast
	General Fund Revenue Total:	106,333	1,700,000	0	0	0	0
	General Fund Expense Total:	106,333	1,700,000	0	0	0	0
	General Fund Balance:	0	0	0	0	0	0
	Non-General Fund Revenue Total:	108,717,512	228,450,331	206,262,305	98,876,535	79,442,824	87,965,618
	Non-General Fund Expense Total:	108,717,512	228,450,331	206,262,305	98,876,535	79,442,824	87,965,618
	Non-General Fund Balance:	0	0	0	0	0	0
	County Revenue Total:	108,823,845	230,150,331	206,262,305	98,876,535	79,442,824	87,965,618
	County Expense Total:	108,823,845	230,150,331	206,262,305	98,876,535	79,442,824	87,965,618