

2005 - 2007 BIENNIAL REPORT



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS



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

Dear Supervisors:

**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
2005-2007 BIENNIAL REPORT**

Enclosed is the Department of Public Works Biennial Report for the years 2005-2007. This report reviews our progress in managing the design, construction, operation, maintenance, and repair of roads, bridges, airports, capital projects, sewers, water supply, flood control and water conservation facilities, and regulatory and ministerial programs for the County and contract cities.

This biennium is themed "The Years of Recovery and Implementation." As you recall, an unprecedented series of storms hit Los Angeles County during the 2004-2005 storm season, making it the second wettest season since records began in 1877 and the wettest in 121 years. Public Works played an integral role in managing the recovery efforts from the damage left by the storms. I am proud to say that through the hard work of dedicated Public Works employees, scheduled repairs and upgrades to our flood control infrastructure, roadways, bridges, and water distribution systems were met.

The Department also implemented tools and procedures to help us accomplish our Goal of 100% customer satisfaction. Whether it is providing more access to our services and programs through E-Government or providing staff with tools and training to be more efficient and responsive to customer needs, as a Department, we continue to enhance our communities through responsive and effective public works services. We are determined to be a leader in the County of Los Angeles serving the private and public sector needs.

Respectfully submitted,

DONALD L. WOLFE
Director of Public Works

**COUNTY OF
LOS ANGELES**



First District
Gloria Molina



Second District
Yvonne B. Burke



Third District
Zev Yaroslavsky



Fourth District
Don Knabe



Fifth District
Michael D. Antonovich



Chief Executive Officer
William T Fujioka

CEO BOARD OF SUPERVISORS



DEPARTMENT OF PUBLIC WORKS

**900 South Fremont Avenue
Alhambra, CA 91803-1331
Telephone: (626) 458-5100
<http://www.dpw.lacounty.gov>**

**Director
Donald L. Wolfe**

**Chief Deputy Director
Dean D. Efstathiou**

**Assistant Directors
Charles W. Adams
Jacob Williams**

**Deputy Directors
Diego Cadena
Patrick V. DeChellis
William H. Higley
Thomas W. Hoagland
John Kelly
Diane Lee**

**Chief Information Officer
Jesse Juarros**

**Chief Financial Officer
Dawnna Lawrence**

TABLE OF CONTENTS

Letter from the Director	1
Overview 2005-2007	3
Public Service That Works	
Roads & Transportation	9
Flood Control & Water Conservation	14
Waterworks & Sewer Maintenance	18
Environmental Issues	21
Construction and Development	25
Financial Perspective	31
A Workload Sampling	32
Awards & Recognition	34

The County of Los Angeles Department of Public Works was formed on January 1, 1985, consolidating the former County Road Department, a portion of the County Engineer-Facilities, and the County Flood Control District. In 1995, Public Works assumed the responsibility for capital projects from the County Internal Services Department.

Divided into 33 divisions and groups, the Department of Public Works employs over 3,600 people in a variety of job classifications, including professional, technical, clerical, and skilled craft workers. Public Works' annual operating budget is over \$1.7 billion and is funded by restricted revenues, such as gas sales tax, benefit assessment, water and sewer sales, user fees, and contract cities revenues. Headquartered in Alhambra, California, Public Works has 77 field facilities in strategic locations throughout the unincorporated Los Angeles County area, as well as contract cities.



DPW Headquarters
Alhambra, CA

Director of Public Works,
Donald L. Wolfe



Public Works is responsible for the design, construction, operation, maintenance, and repair of roads, bridges, airports, sewers, water supply, flood control, water quality, and water conservation facilities and for the design and construction of capital projects. Additional responsibilities include regulatory and ministerial programs for the County of Los Angeles, Los Angeles County Flood Control District, other special districts, and contract cities that request services. A 24-hour Emergency Operations Center is maintained to respond to problems reported by the public and other agencies, as well as major emergencies, such as floods, earthquakes, fires, and other disasters.

Emergency Preparedness

Public Works is a key participant responding to large-scale emergencies and disasters such as rainstorms, wildfires, and earthquakes. Public Works is fully trained on the State's Standardized Emergency Management System (SEMS). In October 2005, the Board of Supervisors passed a resolution for all County Departments to implement National Incident Management System (NIMS) in their response operations as a result of recent national disasters such as September 11, 2001, and Hurricane Katrina. Since that time, the Department complied by incorporating NIMS into the Department's Integrated Emergency Response Manual, personnel training, and categorizing resources. To improve our ability to communicate when responding to an emergency, Public Works worked through the Federal government to obtain Government Emergency Telecommunications System (GETS) cards for our administration, management, and key disaster response staff.



SEMS training session

2005 WINTER RAINSTORM RECOVERY

Public Works is committed to responding quickly and effectively in the event of storms and other disasters affecting our infrastructure. The public was well served by our forces that kept the vast majority of our roads open and passable during the storms and, when appropriate, closed roads for safety; and made timely repairs and restored services after storm events. Two hundred fifty-one (251) roadways were closed as a result of the January and February 2005 storms of which 243 are reopened. There are currently eight remaining storm-related roadway closures; two sections of roadway are completely closed, and six sections remain partially closed with limited accessibility to local residents. A majority of the partially closed roads are scheduled to be fully opened by the end of 2007.

Public Works continues to work closely with the Federal Emergency Management Agency and Federal Highway Administration officials to maximize potential disaster assistance revenue. The total storm damage recovery expenditures are estimated at slightly over \$120 million with anticipated reimbursement slightly over \$60 million.

Strategic Planning

During this biennium, we continued to align our strategic direction with the goals, strategies, and objectives of the County Strategic Plan. We applied the Public Works Performance Management Framework in three areas:

- Strategically setting objectives – Performance Counts!,
- Allocating resources accordingly – Results Based Budgeting, and
- Tracking of attainment of these objectives – Performance Monitoring.

Public Works managers established clear outcomes, indicators, and measures to ensure that program objectives are achieved. The use of performance management linked to performance-based budgeting is now recognized by public agencies across the nation as an effective means of improving results and performance through increased accountability.

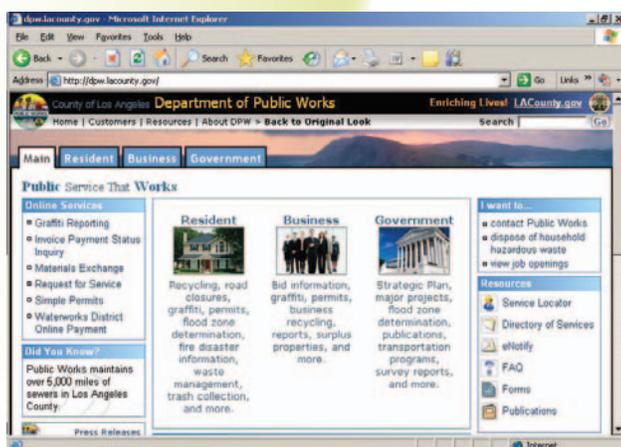
To assist managers in meeting the goals and objectives of the Department's Strategic Plan, we created a website. The Strategic Plan website is Intranet-based and provides information on the Department's Strategic Plan and its implementation. It underwent a major redesign to showcase the new 2006 Strategic Plan with its focus on six Strategic Priority Areas: Customer Service, Employee Excellence, Safety, Enhancing Communities, Financial, and Infrastructure.

Other advances made in the Strategic Planning arena include developing a Departmentwide "Values Management Plan and Program" aimed at increasing awareness and adherence to a clear set of core values; the development of a Values Management website to serve as a web-based tool that helps the strategic planning - values management team easily collaborate to meet their goals in: Workplace Ethics, Managing Diversity, Equal Employment Opportunity, Values Communication, and Women's Workplace; roll-out of our Integrated Planning Process, which establishes a defined annual schedule aligning various Departmentwide planning activities; developing the Capital Asset Management Plan to establish processes to address infrastructure conditions, review, and cost analysis; and enhancing the procurement process which resulted in significant improvements in on-time blanket purchase order processing.

VISION

THE NATIONAL LEADER IN CUSTOMER SATISFACTION AND EMPLOYEE EXCELLENCE

<p style="text-align: center; font-weight: bold; color: #c00000; margin: 0;">MISSION</p> <p style="font-size: small; margin: 0;">ENHANCING OUR COMMUNITIES THROUGH RESPONSIVE AND EFFECTIVE PUBLIC WORKS SERVICES</p>	<p style="text-align: center; font-weight: bold; color: #c00000; margin: 0;">VALUES</p> <p style="font-size: small; margin: 0;">SAFETY PROFESSIONALISM INTEGRITY RESPECT INNOVATION THE ENVIRONMENT</p>
---	---



Updated design Internet page

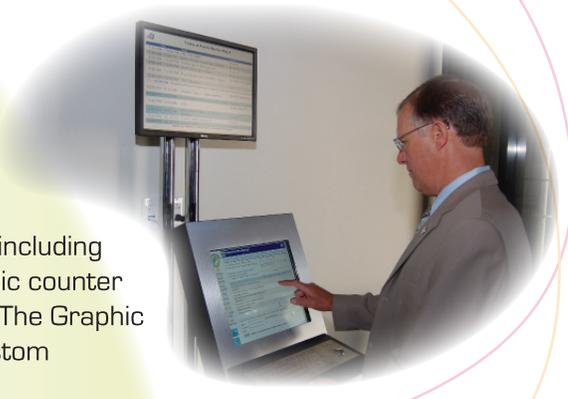
e-Government

Public Works continues to be the e-Government leader within the County. We strive to improve our online services to better meet the needs of our constituents and internal customers. During this biennium, we added numerous new services and expanded the functionality of a number of existing web-based resources through our Internet and Intranet sites. Our Internet site (www.dpw.lacounty.gov) continues to offer efficient, high-quality,

interactive services to local residents 24 hours a day. Several new web-based services were introduced to increase our website's level of interactivity and make it easier for residents to find the information they need. Often, making these services available online reduces the need for them to call or visit a Public Works office. This results in the realization of increased operational efficiency. We receive over 4.1 million monthly hits to our website.

2005-2007 Highlights

- Information Kiosk - as part of the Department's strategic goal to achieve 100% customer satisfaction, an information kiosk was deployed in Headquarters building in 2007 as an innovative way to serve the public and solicit customer feedback. The kiosk includes valuable information including job listings, Public Works services, GIS maps, public counter locations, the County internet website, and more. The Graphic User Interface (GUI) to navigate the kiosk was custom developed in-house.
- Service Locator - Developed an application based on Geographical Information System (GIS) that allows the public to search for Public Works services and offices in their respective communities. Based on the location entered, the website provides the information as well as driving directions to the offices instantly, which reduces the number of incoming calls to the Department. The system also provides the appropriate contact information of other agencies (non-DPW) for addresses outside of County jurisdiction.
- Invoice Payment Status Inquiry System – Enables vendors and contractors to check the status of their payments, resulting in improved customer service and increased employee productivity.
- Graffiti Abatement Referral System (GARS) - Developed a system that allows Dispatchers to enter graffiti reports from the public. The reports are automatically assigned to contractors who will clean up the graffiti. Cities and other agencies are also automatically sent e-mails if the graffiti is in their jurisdiction.
- Waterworks Website - Created the website to enable online payment and provide general information about the water services Public Works provides. Customers can now make water bill payments through the web using a virtual check or "Vcheck". Vcheck is an online payment application that interfaces with the L.A. County Treasurer Tax Collector (TTC) for payment processing.
- Field Council Website – Developed this website to communicate the council's progress to employees about building respect, improving communication, promoting approachability, creating a greater sense of inclusion, and supporting career development for all field employees.



ITD Dispatch Unit wins Service Excellence Award in 2006

Information Technology Division, Dispatch Unit serves as the communications hub for the public, 88 contract cities, and more than 90 Public Works field crews. It is the frontline of public service for a litany of Public Works services. When

the 2006 storm season put the lives and property of County residents in jeopardy, Dispatch ensured that Public Works field crews remained responsive to the needs of the public. Between the months of February and March 2006, Dispatch's call volume spiked 40 percent. In total, Dispatch facilitated more than 67,000 incoming calls from the public or outside agencies, more than 41,000 dispatched calls, and more than 60,000 outgoing communications via radio, e-mail, or phone. For all of this, Dispatch was awarded the L.A. County Stars! Service Excellence Award in 2006.

Workforce

The Department Vision is to be “the national leader in customer satisfaction and employee excellence.”

We are committed to employee excellence in our diverse workforce comprised of approximately 3,600 employees in over 500 different job classifications, including a large professional engineering staff (22 percent) and a large number of field workers (29 percent). Additionally, we are culturally diverse with at least 58 different ethnic groups represented in our workforce with employees speaking 27 different languages and born in about 70 different countries. This diversity reflects that of the residents of the County of Los Angeles and enhances our ability to serve the public.



Team DPW

One way our diversity is celebrated is through the Public Works Dragon Boat Team, “Team DPW,” that was formed and represented the Department in national competitions. Team DPW had an impressive record in their first year of racing as a corporate team. They won silver medals in the 2006 ViewSonic Long Beach Dragon Boat Festival and the 2006 Kaiser Permanente San Francisco Festival. In 2007, the team won 2 gold and 2 silver medals in the Miami Hong Kong Dragon Boat Festival. Their diverse cultural backgrounds, professions, age, and humor contributes to the dynamic spirit of the group and exemplifies the spirit of employee excellence at Public Works.

During this period, we sponsored the Los Angeles County 9th Multicultural Conference titled “Continuing the Journey: Adapting to Change in a Culturally Diverse Society.” We sponsored visits to the Museum of Tolerance. We also held numerous cultural and educational events by active committees including:

- African-American Engineers and Professional Employees Association
- Asian Pacific Islander Committee
- Black History Committee
- Filipino-American Public Works Employees Association
- International Committee
- Latino Heritage Committee
- Public Works Women’s Council

Recruiting at Florida University



This commitment to employee excellence is reflected in our recruiting efforts at 14 in-state universities and 45 universities across the country to recruit the best new engineers with diverse educational experience and academic preparation.

OVERVIEW

The job candidates are given an opportunity to visit the facility to observe the work environment and meet their future colleagues. In fall 2006 and spring 2007 recruiting efforts, we hosted 79 recruits in onsite visits. We assist with relocation expenses and the cost of preparing for the state Professional Engineering Licensing Examination. We provide a Civil Engineering Assistant mentoring program to assist in the transition to the work environment.

Employee excellence is also supported by our recognition that our employees meet new challenges every day and need to work in an environment of continuous learning. Bonuses are given to encourage and reward licensing in engineering specialties. We support the acquisition of new skills with an extensive training program and a tuition reimbursement program. We have partnerships with local universities to provide onsite university degree programs for Bachelor's of Public Sector Management, Master's of Business Administration, and Master's of Public Administration. Field employees may develop their skills through a Field Operations Certification Program that gives them the opportunity to earn college credits and build knowledge of construction technology.

Another important area of focus for employee excellence is our aggressive safety program for our field and office employees. We provide extensive safety training through both on-the-job and formal programs. Safe work practices are rewarded in our Safety Awards Program, which recognizes over 1,000 employees every year with gifts and savings bonds for safe driving and no lost time due to industrial accidents. An important initiative during this period was the development of a field ergonomics program with job analysis, development of training videos, and work procedures. Our active Safety Committee ensures that employees are provided with updated safety equipment and work procedures.

During this biennial period, there were upgrades to all traffic safety equipment and safety apparel with a transition from our traditional "orange shirts" to high visibility yellow green clothing with reflective striping.



High visibility reflective safety vests

Public Works protects the County's investment in streets and highways through regular maintenance, improvement projects, and emergency response. Pavement patching, litter and debris removal, resurfacing, reconstruction, slurry seal, guardrail repair, street sweeping, landscaped median maintenance, vegetation control, maintenance of dirt roads and bike paths, traffic signal maintenance, bridge inspection and maintenance, tree trimming, snow removal, curb painting, pavement striping and marking, parkway improvements, and the maintenance of about 107,500 traffic signs are a part of regular maintenance.



Traffic Management Center

We are also responsible for the administration, engineering, and physical activities necessary to preserve nearly 5,000 miles of roadway infrastructure in a good state of repair in the unincorporated areas and numerous cities that contract for road maintenance services. Public Works maintains 3,170 centerline miles of unincorporated area roads, which equates to over 500 million square feet of pavement. Additionally, Public Works inspects and maintains a total of 507 bridges within the County Unincorporated Area.

Other major projects completed during this period include the bridge retrofit project, the Aliso Canyon Road and Lake Vista Drive bridge replacement projects, Harbor Scenic Drive, and resurfacing and reconstruction of 90th Street West, 135th Street, Bandini Boulevard, Kanan Dume Road, Montrose Avenue, and Whittier Boulevard.

Debris Flow Hazard Mitigation at Hume Road

In March 2005, the second highest rainfall in the County of Los Angeles' history triggered two landslides that destroyed 360 feet of Hume Road, in Las Flores Canyon, as well as its intersections with Briarbluff Drive and Castlewood Drive. The debris from the landslides, perched in a steep canyon 200-300 feet above Las Flores Canyon Road, could generate dangerous debris flows during and after intensive rainfall. In May 2005, a 25-foot-high cut slope was excavated to reconnect Hume Road to Briarbluff Drive via a hairpin turn. We conducted geotechnical exploration on the landslide to obtain information to guide planning and design.



Hume Road Landslide Area Winter 2005

Successful emergency mitigation, Phase I Winterization, was conducted from November 2005 to January 2006 prior to significant rainfall. The mitigation included:

- Grading to remove loose landslide debris
- Enlarging the capacity of the debris basin along Las Flores Canyon Road by construction of an impact wall
- Construction of surface drainage facilities
- Draping plastic over the scarps for erosion control.

The contractor moved 45,680 cubic yards of debris and hauled it to Malibu Canyon within two months. The dirt was used to fill a recently formed erosion gully, thus solving another problem.

The late winter rainfall of 2005-2006 caused additional movement of the remaining landslide masses, again resulting in a potential debris flow hazard by early summer 2006. Phase II Winterization, including emergency grading, began in September 2006 to mitigate the hazard and reduce the volume of the loose landslide debris. Public Works rented equipment and operators began working seven days a week, saving money by keeping the job in-house. In early November 2006, we shored up both active landslides by grading and constructing stabilization fills, reducing future maintenance requirements, and increasing the stability of the area. We completed grading of the fills in March 2007.



Hume Road Landslide Area May 2007

Since Hume Road could not be reconstructed because of the steep terrain, Public Works purchased a private property and constructed a road across it, connecting Castlewood Drive and Hume Road. This one-way road provides access to the residents, and more important, an escape route during fires.

A little more than two years of work by numerous Public Works divisions led to the finished product. The project and the five primary Divisions (Road Maintenance, Survey, Design, Geotechnical and Materials Engineering, and Administrative Services) were honored with the 2007 Directors Award for Outstanding Public Service - Hume Road Landslide Reconstruction.

Traffic

Public Works is responsible for the operation and maintenance of 1,700 traffic signals. Over 900 of these are wholly or partially owned by the County. Approximately 113,000 street lights within 20 cities and unincorporated County areas are also under our administration.

2005-2007 Highlights

- Continued ongoing improvement program to upgrade aged, obsolete, energy inefficient and unreliable County-owned and maintained street lighting systems.
- Initiated community involvement program where residents that opposed modern light upgrades could have a more reliable lighting system installed that maintained the nostalgic look of the older street lights.
- Mapped our street lighting facilities on a Street Lighting Geographic Information System (GIS). This application is now linked to Public Works' Intranet and is available to County staff, vastly improving our street light management capabilities.



New street sign installed in Florence-Firestone Community

We continue to build upon our accomplishments of upgrading street name signs along the County arterial highways in order to accomplish a federal mandate. The newer signs have larger more reflective lettering and include the community name and County seal. On a community-by-community basis, we work very closely with the Chief Executive Office and involved Board Deputies to develop consensus on community names and boundaries. In addition to providing a better guide to motorists, including emergency responders,

the upgraded street name signs provide improved identity and pride to the unincorporated communities. The signs have been received very enthusiastically by the Board Deputies and the community residents.

We have upgrades underway in the Hacienda Heights, Rowland Heights, Topanga, Marina del Rey, and Altadena communities. These improvements are expected to be completed by the end of the 2007 calendar year.

Transit

At the direction of the Board of Supervisors, Public Works provides fixed-route transit services for the general public in East Los Angeles, Los Nietos, Avocado Heights, Bassett, West Valinda, Palos Verdes, South Whittier, Willowbrook, Acton, Agua Dulce, and several unincorporated areas of the Santa Clarita and Antelope Valleys. We launched two new services: the South Whittier Shuttle (Sunshine Shuttle) in January 2006 and the Avocado Heights, Bassett, and West Valinda Flex-Route Shuttle in January 2007.



Whittier Shuttle with new Graphic Covering

During the summer season, we operate shuttle services to the Ford Theater and the Hollywood Bowl from all over the County. We also provide beach shuttle service to County residents. Two new beach shuttle services were added: the East Los Angeles route in the summer of 2005 and the South Whittier route in summer of 2006.

2005-2007 Highlights

- Summer of 2006, the County partnered with Playa Capital Company, LLC, to offer hourly service on the Playa Vista, Marina del Rey to the Venice Beach Pier summer beach shuttle. This free weekend community shuttle service enhanced the mobility and transit options for visitors and residents, which helped towards reducing traffic congestion in Marina del Rey.
- In 2007, we added an extra route stop to the Topanga Beach shuttle service at the Warner Transit center. This opened up the shuttle service to riders using the Metro Orange Line.
- The Beach Bus service proved a success with a ridership growth of 21 percent during this biennium without counting the new routes. With the new East Los Angeles and South Whittier routes the service had a growth rate of 24 percent.
- Provided 295,000 paratransit trips to the elderly and individuals with disabilities in the unincorporated County areas.



This service gives County residents curb-to-curb transportation for routine errands, medical appointments, and recreation.

- Installed over 430 new advertising display bus shelters in our private-public partnership program involving bus shelters in the unincorporated County areas.
- In accordance with the Federal Clean Water Act, Public Works installed an additional 171 trash receptacles for a total of 510 trash receptacles at bus stops to prevent trash and debris from entering into the storm drain system. We also installed 285 non-advertising illuminated bus stop shelters that use solar power and 126 non-advertising bus stop benches at bus stops in unincorporated County areas.

Aviation

Public Works oversees the operation, maintenance, and development of a system of five general aviation airports: Brackett Field in the City of La Verne, Compton/Woodley Airport, El Monte Airport, General William J. Fox Field in Lancaster, and Whiteman Airport in Pacoima. In this biennium, we completed construction projects totaling over \$4.9 million.

2005-2007 Highlights

- Constructed a new airport service road and runway/taxiway slurry seal at Brackett Field.
- Repaired perimeter lighting repair Compton/Woodley.
- Replaced approximately 11,000 linear feet of perimeter fencing at Compton/Woodley and El Monte Airports.
- Applied runway/taxiway slurry seal at Whiteman Airport.
- Applied runway/taxiway slurry seal and reconstructed approximately 11 acres of airport parking ramp pavement at Fox Field.

These capital projects are funded through a combination of Federal and State grants and Aviation Enterprise Funds, with no cost to the County General Fund.

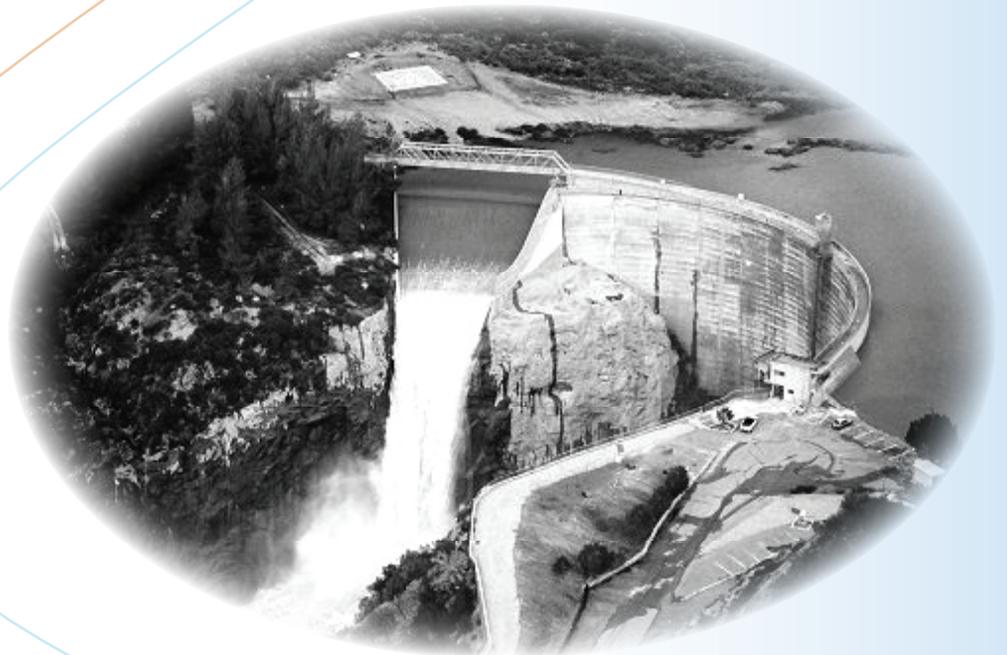


Star Ship prepares for take off

P

ublic Works operates and maintains a complex system of flood control and water conservation facilities to address water issues for the region. This system includes 14 major dams, 400 debris retaining structures, 524 miles of channels, 2,811 miles of storm drains, 77,917 catch basins, 232 crib dams, 26 spreading grounds, 65 stream gauging stations, 253 rain gauges, 45 pump stations, and 35 sediment placement sites.

The County of Los Angeles flood control system provides a means of conveying water through dams to rivers and channels, with some going into groundwater recharge facilities and the rest to the ocean. The flood control system is also used to transport imported and reclaimed water to groundwater recharge facilities to replenish the underground aquifers.



Big Tujunga Dam

Public Works owns and operates three seawater barrier projects located along the coastline, which protect coastal groundwater aquifers, a local source for drinking water

supply, from seawater intrusion. The injection wells create seawater barriers and also contribute to the replenishment of the West Coast and Central groundwater basins.



Valves opened at Morris Dam

Groundwater is an important source of water supply in the County that requires protection from seawater intrusion that results from over-pumping groundwater aquifers. Expansion and improvements to the seawater barrier projects ensure the continued availability of fresh water in the groundwater aquifers.

2005-2007 Highlights

Major projects of significant regional benefit were constructed such as Hollyhills Drain, Buena Vista Channel, upgrades of various pump stations, improvements of various debris basins and spreading grounds, Low-flow Diversions in the North Santa Monica Bay Watershed to divert dry weather runoff away from Santa Monica Bay to the sanitary sewer system for treatment, and San Gabriel Reservoir Post-Fire Sediment Removal in the Angeles National Forest.

Flood Control

Seasonal rainfall totals for the County can vary from as little as 30 percent to as much as 250 percent of normal. Addressing these extremes requires cooperation between Public Works and the U.S. Army Corps of Engineers to control runoff, reduce flooding, and recharge the groundwater with those waters. The 2005-06 storm season was a normal rainfall year. The annual rainfall total in the downtown Los Angeles area was 13.45", almost 40 percent of the average rainfall recorded in the past 134 years.



County Flood Control Channel

2005-2007 Highlights

- Worked on several sediment removal and repair work projects at various debris basins and concrete lined channels resulting from the 2004-05 storms. The sediment removal contracts to address the new sediment was approximately \$17 million.
- Completed a 4.3 million cubic yard sediment removal project at San Gabriel Reservoir in 2006 with an estimated cost of \$36 million.
- Provided mudflow protection advice to over 80 residents in Acton, Avalon, Burbank, Calabasas, Chatsworth, Gorman, Malibu, Pomona, Santa Clarita, Val Verde, and Westlake Village as a result of the fires in 2005 through mid 2007 that resulted in many residents within and below the burned areas facing significantly increased mudflow potential.
- Rehabilitated the spillway gates at Morris Dam at \$1.067 million.

- Completed the design and received bids for the seismic rehabilitation and spillway modification of Big Tujunga Dam, a three year construction project at \$99 million.
- Installed new monitoring instrumentation at Live Oak and Big Dalton Dams in 2007.

Water Conservation

Our groundwater recharge facilities' storage capacity exceeds 21,300 acre-feet. These facilities allow for stormwater runoff, imported water, and reclaimed water to be percolated back into the aquifers. These facilities are operated year-round to replenish groundwater basins. Groundwater recharge operations during the 2005-06 storm season included enough water to serve 3.3 million people in the County for an entire year, nearly 50 percent more than the average amount recharged. This amount of recharge was a challenging task considering the normal amount of rainfall.



San Gabriel Canyon Spreading Grounds

Rubber dams that span across rivers and channels in soft bottom reaches have assisted in increasing the amount of groundwater recharged. We have expanded the system with the installation of two new rubber dams in the San Gabriel River to allow for increased storage capacity.

The County flood control system touches the lives of every County resident. Providing flood protection and year-round water conservation are integral to the flood control system's design and purpose. Therefore we continue to embrace new technologies and improved strategies to enhance our efforts. New instrumentation and data analysis tools allow us to provide service in a more responsive, efficient, and cost-effective manner. Through the use of GIS and web-based applications, information is managed and evaluated better. We have established a strong presence on the Internet to increase dissemination of near real-time and historic hydrologic data to serve the public and outside agencies.

Watershed Management

Public Works addresses flood protection, water conservation, stormwater quality, and aesthetic and recreational enhancements through the Los Angeles County Flood Control District. Using a watershed management methodology, Public Works integrated ideas, resources, and funding and opened communication channels with a broad spectrum of stakeholders.

As part of the Department's 2006 Strategic Plan, Public Works set a Departmentwide goal of proactively meeting or exceeding environmental and water quality regulations and standards. In addition, Public Works was called upon to provide guidance in the arenas of sustainability, low-impact design, and environmental awareness.

2005-2007 Highlights

- Completed construction on the Sun Valley Park and Tuxford Green Multiuse Projects. These projects resonated with the nation's environmental and municipal communities for their innovative use of technology to achieve sustainable flood protection, water conservation, and clean water solutions.



Sun Valley Park Multiuse Project

- The County and its Los Angeles River stakeholders celebrated the 10-year anniversary of the Los Angeles River Master Plan in June 2006. Since its inception, the master plan guided implementation of more than \$115 million river projects.

- The County adopted the San Gabriel River Master Plan in December 2006. The San Gabriel River Master Plan represents more than 130 enhancement projects in a framework developed by the County, 19 cities, and various other public agencies and community organizations along the San Gabriel River.

- The Greater Los Angeles County Region adopted the Integrated Regional Water Management Plan (IRWMP) [lawaterplan.org] in December 2006. The IRWMP is a comprehensive document that defines issues and possible integrated solutions for the next 20 years of water supply, water quality, and water pollution issues.



- Taught youth in six watershed communities the value of environmental stewardship by participating in 10 County-sponsored Earth Day events. Earth Day activities included classroom presentations and planting thousands of native trees and shrubs.

- Began construction on the Marie Canyon Water Quality Improvement Project, a low-flow diversion in Malibu that will significantly reduce bacteria and other pollutants at one of the County's most chronically impacted beach outlets.

- Participated in the North Santa Monica Bay Watersheds Task Force in developing the North Santa Monica Bay Regional Watershed Implementation Plan.

- Installed 441 catch basin trash excluder devices in cooperation with the Cities of Hermosa Beach, Inglewood, Manhattan Beach, Rancho Palos Verdes, Santa Monica, and West Hollywood.



Los Angeles River Trash Boom

Public Works, through the Waterworks Division, operates and maintains five County Waterworks Districts and the Marina del Rey Water System that provide drinking water to over 200,000 residents.

During this biennium, the Los Angeles County Quality and Productivity Commission recognized the Waterworks Districts with the Bronze Eagle Award, the third-highest award bestowed by the Commission, and a Mega-Million Platinum Eagle Dollar Award for a project to modify District wells to improve water quality. The successful project resulted in a decrease in arsenic levels of up to 85 percent for a total cost of \$608,580, a one-time savings of \$34 million and annual cost avoidance of \$2 million as compared to the alternative involving water treatment.



Water storage tank

To promote water conservation, the Waterworks Districts provided its customers with free water-use surveys conducted by technical experts. The surveys, partially funded by State grants, provided customers with personalized reports containing techniques to improve water-use efficiency. Additionally, a new tiered water rate structure was implemented to discharge wasteful water-use. Customers using more water than 90 percent of their neighbors are charged a higher unit rate for their water to discourage high consumption.

2005-2007 Highlights

- Implemented the Full-Scale Aquifer Storage and Recovery Program to store 3,100 acre-feet of treated surface water in the groundwater basin so that it may be pumped for use in dry years.
- Upgraded the Malibu Beach Pump Station to improve the water supply reliability for West Malibu.
- Converted 18 groundwater disinfection facilities from chlorine to chloramines (a combination of chlorine and ammonia) disinfection to match the new disinfection method selected by the Antelope Valley-East Kern water agency.
- Constructed nine groundwater injection/extraction wells to increase water supply reliability for the Antelope Valley.
- Constructed a project, partially funded by a Federal Homeland Security Grant, to enhance security measures for the Districts' water system and protect our customers from potential homeland security threats.
- Responded to broken pipeline in Pacific Coast Highway that caused a 45-foot-wide, 30-foot-deep sink hole at Las Tunas Beach in Malibu in December 2006. Restored water service to Malibu residents within 18 hours by working around the clock.
- Participated with 45 stakeholders in the development of the Antelope Valley Integrated Regional Water Management Plan (IRWMP). The IRWMP goals are: (1) develop a comprehensive plan to meet future water needs, (2) foster collaboration and communication among public agencies in the Antelope Valley, and (3) improve regional competitiveness for State and Federal grant funding.



Upgraded Malibu Beach Pump Station



*30-inch main break along
Pacific Coast Highway*

When faced with emergencies, the Waterworks Districts' crews continued to respond expeditiously.



Sewer Maintenance Districts

Public Works administers two Sewer Maintenance Districts. These are the Consolidated Sewer Maintenance District and the Marina Sewer Maintenance District, serving a population of approximately 2.5 million people within the unincorporated County area and 42 cities. The Districts are responsible for the protection of the health and welfare of the public by providing continuous and uninterrupted operation of the local sewage system. This system consists of 5,247 miles of collector sanitary sewers, 155 pump stations, and 4 small wastewater pollution control plants, 3 in Malibu and 1 in the Lake Hughes area.

2005-2007 Highlights

- Rehabilitated 15 miles of deteriorated cement pipe sewer lines at \$2.8 million.
- Rehabilitated plastic lining of 144 manholes in Marina del Rey to minimize the infiltration of seawater into the sewer system.
- Televised 364 miles of sewer lines to evaluate the structural condition of the sewer pipes under the Districts' Condition Assessment Program.
- Prepared and mailed to each of our customers, the Sewer Annual Reports in 2005 and 2006 to inform them of the Districts' activities.

Responsive sewer service without increasing charges to our customers continues to be a foremost priority.



As the State leader in resource conservation and environmental protection, Public Works is the lead advisor to the Board of Supervisors on waste management issues. Public Works provides waste collection services to unincorporated area communities, and industrial waste permitting and inspection in County unincorporated areas and 38 contract cities. We manage various programs to promote recycling and waste reduction in the public and private sectors and operate the largest Household Hazardous and Electronic Waste collection system in the nation.



School children participate in Anti Grafitti Program

2005-2007 Highlights

- Coordinated and implemented over 25 events in April 2007 to educate and promote recycling and environmentally friendly practices.
- Assisted 528 businesses through the Business Recycling Program's free recycling consultation site visits. This program offers businesses with free on-site recycling consultation.
- Received over 1.66 million hits, averaging over 69,000 per month, on the www.888CleanLA.com website and over 132,000 calls on the 1(888) CLEAN LA hotline.
- Conducted 13 free Waste Tire Collection Events where approximately 755,000 pounds of waste tires were collected from residents and recycled into useful products such as playground matting and rubberized asphalt concrete which the County uses in many of its street rehabilitation projects.
- Eighty percent of the construction and demolition debris generated by over 800 projects was recycled, diverting over 160,000 tons of debris from landfill disposal.



755,000 pounds of waste tires collected

Solid Waste

Public Works operates seven Garbage Disposal Districts (GDDs) serving a population of approximately 360,000 residents within the unincorporated areas and a portion of the City of Malibu.

2005-2007 Highlights

- Implemented an automated system for seven GDDs on July 1, 2007, to separately collect refuse, recyclables, and green waste.
- In January 2007, Public Works began implementing the first phase of the franchise trash collection and recycling system. This system will provide high-quality waste collection services at competitive rates for areas not serviced by GDDs and promote recycling education, workshops, etc.

Industrial Waste Program

The Industrial Waste Program bills, permits, and inspects industrial waste water discharges to over 3,000 miles of sanitary sewers within the unincorporated areas and 38 contract cities. There are nearly 7,000 active industrial waste permits. Over 2,500 permit applications were approved and issued, and 10,000 inspections completed during the biennial period.

Hazardous Materials Underground Storage Tank Program

The Underground Storage Tank (UST) Program covers the unincorporated areas and 77 cities. During this biennial period, over 1,800 applications for modifications were approved, 4,000 inspections performed, and over 200 contaminated sites were brought into compliance with State law and issued closure.

Stormwater Inspections

In 2006, the Board of Supervisors approved an ordinance creating an annual stormwater inspection/billing/certificate program to ensure facility compliance with best management practices to safeguard stormwater runoff from pollutants. Public Works, assisted by the Department of Public Health, inspected 3,800 sites in the unincorporated areas to ensure best management practices are in place to protect stormwater. Public Works also inspected an additional 1,200 facilities in 10 contract cities during this period.

Household Hazardous Waste/E-Waste (HHW/E-Waste)

The Countywide HHW/E-Waste Management Program conducted 112 free Saturday drop-off events in various cities and unincorporated areas during this biennium.



HHW drop-off event

- Over 139,000 residents participated.
- Collected more than 11 million pounds of HHW and collected over 4.5 million pounds of electronic waste.

Permanent Centers

The Antelope Valley Environmental Collection Center (AVECC) is open to residents to dispose of their HHW/E-Waste. Approximately 15,000 households disposed over two million pounds of HHW and electronic waste at this site.

Public Works also operates nine permanent used oil collection facilities where residents can dispose their used motor oil and oil filters for free. Over 45,000 gallons of used oil and 2,800 gallons of oil filters were collected at the centers. An additional 90,000 gallons of used oil and 3,000 gallons of oil filters were collected at the HHW mobile drop-off events.

School Education - Environmental Education Programs

During 2005-2007, the Environmental Defenders Program successfully reached 470,680 students at 1,098 schools receiving key source reduction and stormwater pollution prevention messages through the Environmental Defenders assembly. We also participated in 32 community events reaching approximately 329,363 people.



Environmental Defenders

Generation Earth is an environmental education program for teachers and secondary students. The program goals are to inspire teens of Los Angeles County to take personal responsibility for their local environment, to become active, responsible consumer citizens. The program leads students to understand that their habits and behaviors have a direct effect on pollution prevention. During 2005-2007, this program worked with 258 teachers, teaching over 27,650 students at 204 schools potentially impacting 303,000 students. Also during this period, we:



- Presented 6 one-day professional development workshops and a two-day summer institute professional development workshop. At these workshops, the program trained 152 teachers, educators, and administrators from 112 middle school and high schools.
- Participated in over 34 community events reaching approximately 20,285 students.

Used Motor Oil and Filter Recycling

The Used Motor Oil and Filter Recycling Campaign aims to increase County residents' knowledge of the proper disposal of used oil and filters and to encourage the use of State-certified collection centers for used oil and filter recycling. The program is funded by grants from the California Integrated Waste Management Board. During the 2005-2007 fiscal years, we partnered with Kragen Auto Parts to accept oil filters from the public. Public Works provided 55-gallon drums to the 49 participating Kragen stores throughout the County of Los Angeles and funded the collection services. Through this program, we collected 57,000 filters during this biennium. In addition, 243,267 gallons of oil were brought into certified collection centers under County jurisdiction for recycling.

Graffiti Abatement

Under the Board's direction, Public Works established the Graffiti Abatement Program that consists of community education and graffiti removal. Its educational programs focus on early intervention and awareness. They include the Totally Against Graffiti (T.A.G.) Program and community outreach.

The T.A.G. Program is recognized as one of the nation's best public works programs. It is a powerful reward program that empowers kids and the community to work together to fight graffiti. Posters and fliers are distributed to schools to make students aware of awards they can win by NOT participating in graffiti, telling their friends not to participate, and asking a responsible adult to report graffiti if they see it. In short, the T.A.G. Program rewards kids for reporting graffiti. The T.A.G. Program hopes to develop students into active community members by encouraging community pride.



T.A.G. school program bus

Last year, more than 180 schools participated in the T.A.G. Program. Additionally, Public Works reached over 2 million County residents during the year and circulated anti-graffiti messages through their community outreach and mobile marketing programs.

Public Works is responsible for issuing permits, enforcing building codes, ensuring proper land development, and developing and implementing complex capital projects as well as designing and preparing plans for small- to medium-sized County capital projects. Also under our purview are the acquisition, rental, sales, and lease of County- and special district-owned property; surveys and topographic mapping for design and construction engineering activities; operation of state-of-the-art testing laboratories; and serving as Materials Engineer to other County departments and several cities.



Calabasas One-Stop Center

Building Construction

Public Works ensures public safety through County Building Code enforcement. Building inspectors located at field offices throughout the County inspect residential, commercial, and industrial construction projects on private property. Projects that meet set criteria are reviewed by a plan check staff consisting of civil, electrical, and mechanical engineers. During this biennium, development and building activity continued at an active pace. For the County’s unincorporated area and 17 contract cities, over 50,000 building permits were issued having a construction value of over \$3.3 billion.



“One-Stop” Center in new ELA County Hall

We are continuing our efforts to make permitting and plan check services more customer-friendly by updating our facilities to a “One-Stop” center with multiple County departments. In 2006, our East Los Angeles District office relocated as a “One-Stop” Center in conjunction with the new East Los Angeles County Hall.

In addition, Public Works continued the Property Rehabilitation Program which raises public awareness about the importance of property maintenance and code enforcement. Nuisance Abatement Teams serve low-income areas in a coordinated multi-agency effort to promote neighborhood preservation through code enforcement. Neighborhood Enhancement Teams and Commercial/Industrial Area Enhancement Teams also provide enhanced code enforcement in targeted areas. More than 6,500 complaints were received and investigated by this combination of agencies, resulting in the cleanup or repair of more than 3,000 substandard properties and code violations during the biennium.

Capital Projects

Public Works oversees the County’s capital projects, a high-profile and high-priority function, assigned by the Board of Supervisors. During this biennium, we managed over 132 capital projects for various County departments and agencies that contract with us for services. The planning, design, and construction of these projects during this period were valued at more than \$2.46 billion.

2005-2007 Highlights of major projects:

- East Los Angeles Civic Center: Completed construction of the new \$3 million, 15,000-square-foot County Hall. This facility is a “one-stop shop” for public services provided by various County departments, including the First Supervisorial District, Public Works Building and Safety Division, Parks and Recreation, Public Health, Consumer Affairs, Regional Planning, and the Fire Department. Additionally, the final \$5.5 million stage of the \$30 million multiphased renovation of the East Los Angeles Civic Center project is scheduled for completion in summer 2007.



- **Coroner Facility:** Completed the tenant improvement work at the historic Old Administration Building (first phase). Design for the remodel of the existing Coroner facility and a new crypt building is underway. The \$32 million project is scheduled for completion in late 2009.
- **Loma Alta Park Gymnasium/Community Center:** Completed construction of a new 13,500-square-foot gymnasium and community center facility in the unincorporated area of Altadena in October 2006. The facility includes a multipurpose/meeting room, classroom, and a warming kitchen for community events.
- **Martin Luther King, Jr. - Harbor Hospital:** Completed a \$12 million renovation in the main hospital building. The second project is in the Hawkins building. We are approximately 60 percent complete with work at this building. The two projects are estimated to total \$32 million.



Loma Park Gym



Harbor-UCLA Medical Center

- **Will Rogers State Beach General Improvement:** Completed construction in July 2007.
- **Harbor-UCLA Medical Center Surgery/Emergency Replacement:** Board approved a budget of \$344.1 million and authorized site preparation construction. Prequalification of design-builders is underway, and award of design-build contract is scheduled for spring 2008.

- **Centinela Area Probation Office and Building and Safety Firestone District Office:** Completed design of this new facility. Probation office will occupy 25,000 square feet with the remaining 5,000 square feet allocated for a Building and Safety District office. Construction of this facility will commence in July 2007.
- **Bill Blevins County Park Comfort Station:** Completed construction of this new multiple accommodation comfort station in November 2006.
- **Peter F. Schabarum Regional County Park:** Completed renovations to parking lots and summer concert staging area. Installed new lighting and planted trees at various locations within the park.

- **LAC+USC Medical Center Replacement:** Completed 96 percent of the construction of the LAC+USC Medical Center Replacement Construction. Completion of the entire hospital is scheduled for December 2007. This project is the largest capital project in the history of the County.
- **Ted Watkins Park Pool Renovation:** Completed design and construction of renovations to the pool and dressing room building.



LAC+USC Medical Center

- **Carolyn Rosas Park Community Center Fitness Center Addition:** Began construction of this 2,500-square-foot multipurpose building.



- Lawndale Library: Completed design of this new 17,360-square-foot library to replace the existing 3,203-square-foot library facility. This new library will include a large adult reading area, homework and career centers, community meeting room, technology training room, conference and group study rooms, young adult area with multimedia listening/viewing stations, children's area with dedicated storytelling area, and 37 public access computers. Construction will commence in July 2007.

- Fire Station 72: Completed construction of this 4,500-square-foot facility in the unincorporated area of Malibu. This facility was dedicated in November 2006.



- Fire Station 82: Completed renovation and reconfiguration of the 1,461-square-foot open space dormitory.

- Carolyn Rosas Park Community Center Fitness Center Addition: Began construction of this 2,500-square-foot multipurpose building.

- Ladera County Park Senior and Community Building: Began construction of this new 4,300-square-foot senior center and community building.

- Cerritos Regional Park Turf and Pool Improvements: Began construction of 36 acres of turf improvements and completed renovation of pool and pool deck area.

Earthquake Projects

- Public Works Headquarters Seismic Retrofit: Substantially completed the \$33 million seismic retrofit/hazard mitigation project for Public Works' headquarters office building in Alhambra. We received a \$98.75 million grant from FEMA to perform a seismic retrofit under the Hazardous Mitigation grant program.
- Registrar-Recorder/County Clerk Warehouse: Began construction of the improvements in April 2007.



Land Development

Land Development Division (LDD) provides broad-based, engineering services in the areas of transportation planning, subdivision plan checking, and California Environmental Quality Act (CEQA) compliance. Specifically, LDD provides technical review in the areas of hydrology, hydraulics, sanitation, grading, roadways, waterworks, and storm water control. We coordinate approximately 400 in-house CEQA reviews annually including unincorporated private development and interagency projects within Los Angeles and other surrounding counties. LDD is responsible for recording a total of 850 final maps of which about 340 involve easement, condition, and boundary verification. We process and administer about 1,000 tax bonds, subdivision agreements, and improvement securities. LDD also coordinates the transfer of miscellaneous drains from cities as well as private drains to the Flood Control District for operation and maintenance and provides contract mapping services for 72 cities in Los Angeles County. In addition, LDD is at the forefront of watershed management issues, which include installation of structural best management practices as well as review and approval of proposals to comply with storm water quality requirements of the Regional Water Quality Control Board.



Roadway damaged by storms

Mapping and Property Management

Public Works provides the County, other governmental agencies, and the public with real property services and expertise; reviews permits concerning multiple use of Flood Control District and road rights of way; investigates and responds to claims and litigation against various Public Works entities; and other related activities such as title and appraisal services. Also, Public Works serves as the official mapper for the County.



2005-2007 Highlights

- Generated \$3,047,000 from estate-type transactions (e.g., sales, rentals, and use agreements affecting properties under the jurisdiction of Public Works).
- Lead a Countywide GIS mapping and data layer development to eliminate duplication of effort among other County Departments.
- Created the first Claims and Litigation Annual Report which reported on third-party claims and litigation activity for Fiscal Year 2005-06 and the first half of Fiscal Year 2006-07. The report provided a benchmark for classifying claims and the number of incidents by identifying the important factors to be reported. A value coding system was also defined.
- I-5 @ Hasley (SD5): We completed the Right of Way Certification portion of this project that will enable the Department to receive \$20 million in Federal funding to improve the I-5 transportation corridor in the Santa Clarita Valley.

- 2005 Storm Damage Effort: Public Works provided expert title and right-of-way engineering assistance to the County's effort to recover \$52 million in Federal funds for the rehabilitation of storm-damaged facilities.
- New County Fire Station (SD3 & 5): Provided expert title assistance to the Chief Executive Office and Fire Department to complete title reports required for the acquisition of new Fire Department properties.
- Castro Peak Communication Site (SD3): Provided expert title assistance to the Internal Services Department and the Fire Department to reestablish access to the communication tower necessary for the continued operation of the County's internal communication system.

Survey

During the biennium, we continued to maintain a system of precise horizontal and vertical surveys necessary to accurately relate property and infrastructure records in our complex urban environment. Through these efforts, our field operations performed over 500 preliminary and 100 construction surveys, continued our yearly monitoring of dams and debris basins for movement, and ran over 675 miles of precise levels updating over 4,000 bench marks throughout the County. Public Works' survey records library is the largest in the County and continues to grow, with our public counter staff serving over 16,000 customers in a courteous and friendly atmosphere.

2005-2007 Highlights

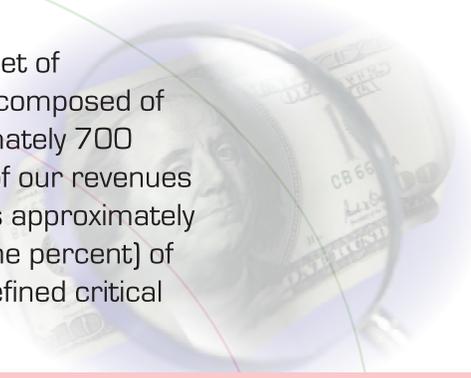
- Launched the Land Records Information Website that allows the public to view Survey Public Counter documents online. To date, over 175,000 Tract Maps, Parcel Maps, and Records of Survey are available online.
- Checked over 1,100 Records of Survey and 3,000 Corner Records.



Survey Public Counter

P

ublic Works has an annual operating budget of approximately \$1.5 billion. This budget is composed of 120 separate funds that finance approximately 700 operating programs. Over 99.7 percent of our revenues are restricted to specific uses. This leaves approximately \$4 million annually (less than one-half of one percent) of unrestricted funding to implement Board of Supervisors' defined critical services and needs.



**LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
2005-07 BIENNIAL REPORT
FISCAL YEARS 2003-04 TO 2006-07**

EXPENDITURES & ENCUMBRANCES (in millions)	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07
PER FISCAL YEAR:				
ROADS AND HIGHWAYS	\$195	\$230	\$266	\$279
FLOOD CONTROL AND DRAINAGE	211	212	232	242
WATER SYSTEMS	49	44	58	72
SEWER SYSTEMS	23	23	31	29
WASTE MANAGEMENT	30	29	34	39
TRANSIT SYSTEMS	24	25	25	25
LIGHTING DISTRICTS	21	21	25	23
DEVELOPMENT REGULATION	40	42	47	50
SERVICES FOR OTHERS	3	3	3	4
CAPITAL PROJECT MANAGEMENT	8	7	9	9
MISC - GENERAL AVIATION	7	7	6	3
MISC - BIKEWAY PATH	1	1	2	2
TOTAL	\$612	\$644	\$738	\$777
PER BIENNIAL REPORT:		FY 2003-05		FY 2005-07
ROADS AND HIGHWAYS		\$425		\$545
FLOOD CONTROL AND DRAINAGE		423		474
WATER SYSTEMS		93		130
SEWER SYSTEMS		46		60
WASTE MANAGEMENT		59		73
TRANSIT SYSTEMS		49		50
LIGHTING DISTRICTS		42		48
DEVELOPMENT REGULATION		82		97
SERVICES FOR OTHERS		6		7
CAPITAL PROJECT MANAGEMENT		15		18
MISC - GENERAL AVIATION		14		9
MISC - BIKE PATH		2		4
TOTAL		\$1,256		\$1,515
REVENUES (in millions)	FY 2003-04	FY 2004-05	FY 2005-06	FY 2006-07
PER FISCAL YEAR:				
TAXES	\$127	\$125	\$135	\$158
INTEREST, RENTS, & ROYALTIES	15	17	28	40
INTER-GOVERNMENTAL	175	199	230	272
CHARGES FOR SERVICES	266	301	364	342
MISCELLANEOUS	5	5	4	3
TOTAL	\$588	\$647	\$761	\$815
PER BIENNIAL REPORT:		FY 2003-05		FY 2005-07
TAXES		\$252		\$293
INTEREST, RENTS, & ROYALTIES		32		68
INTER-GOVERNMENTAL		374		502
CHARGES FOR SERVICES		567		706
MISCELLANEOUS		10		7
TOTAL		\$1,235		\$1,576

FINANCIAL PERSPECTIVE

Aviation

Aircraft based at Public Works airports to date: 1,724
Airport takeoffs and landings: 1.1 million
Gallons of aviation fuel sold: 2.8 million

Environmental Issues

Outreach events to promote recycling: Over 25 events
Pounds of household hazardous waste collected: 11 million
Pounds of electronic waste collected: 4.5 million
Pounds of waste tires collected: 755,000
Gallons of used oil collected: 135,000
Used oil filters collected: 5,800
www.888CleanLA.com website page views: 1.66 million
1(888)CLEAN LA hotline calls: 132,000
Trees planted at Earth Day events: 3,300
Elementary school students reached through Environmental Defenders: 470,680

Construction and Development

Building Permits issued: 50,000
Value of building permits issued: \$3.3 billion
Capital Projects managed: 132
Value of Capital Projects managed: \$2.46 billion
Special Districts created for lighting and sewer operations: 337
Projects involving flood control rights and/or quitclaims: 226
Road expansion projects: 85
Private drains transferred to the Flood Control District: 65 (for the Biennial Report)
Specialty mapping projects completed: 1,400
New addresses for new subdivisions: 3,973
Change of address requests processed: 1,702
Lease and rental agreements managed: 260
Revenue generated from lease/rental property sales: \$6.5 million
Professional reviews of hydrology maps, water, storm drain, landscape, grading, road, and sewer plans: 3,600
Maps recorded annually: 850
Tax bonds, subdivision agreements, and improvement securities processed: 1,000
Preliminary surveys conducted: 500
Records of Survey checked: 1,100
Customers served at Survey Public Counter: 16,000

Fleet Management

8 Propane Sweepers purchased and received
5 Propane Sweepers ordered and pending receipt
11 Hybrid Sedans purchased and received
2 grants for diesel retrofits awarded for a total of \$353,500

Information Technology

Public Works website hits per month: 4.1 million

Roads and Transportation

Miles of unincorporated area roads maintained: 3,170
Miles of roads maintained (cities): 1,700
Feet of curb paint maintained: 565,000
Miles of traffic lane striping maintained: 3,300
Square feet of pavement markings maintained: 1.4 million
Traffic signs maintained: 107,500
Street name signs maintained: 46,000
Raised traffic markers maintained: 205,000
Traffic signals maintained: 1,700
Street, bridge, and tunnel lights maintained: 1,100
Highway safety lights and illuminated street name signs maintained: 8,000
Number of parkway trees: 176,000
Average number of trees trimmed each year: 54,000
Curb miles swept annually: 182,000
Road shoulder pass miles graded annually: 23,350
Tons of AC used for pavement patching annually: 16,000
Cubic yards of litter and debris removed annually: 16,000



Sewer Systems

Two Sewer Maintenance Districts serving 2.5 million people in unincorporated areas and 42 cities.
Miles of sewers 5,247
83 County-owned pump stations and 72 City-owned but County-maintained pump stations.
Annual Budget: \$43.8 million, financed through sewer service charges.
Operate and maintain three sewage treatment plants in the Malibu area.
Operate and maintain one sewage treatment plant in the Lake Hughes area.

Flood Control and Water Conservation

Major dams operated and maintained: 14
Crib dams operated and maintained: 232
Miles of open channels maintained: 485
Miles of storm drains maintained: 2,865
Catch basins maintained: 87,757
Debris retention structures: 400
Stormwater pumping plants: 60
Seawater Intrusion barriers operated and maintained: 3
Low flow diversions operated and maintained: 18

Waterworks

Water storage reservoirs: 119
Water wells: 38
Booster pumps and pressure regulating stations: 145
Miles of water mains maintained: 1,086



AWARDS & RECOGNITION

National Association of Counties Achievement Awards

June 2007

- San Francisquito Canyon Road Repairs
- Well Modification to Improve Water Quality

June 2006

- Antelope Valley Environmental Collection Center
- Digital Map and Recordation Database (DMR)
- Solid Waste Disposal Reporting System
- The Kids on the Block (KOTB)

June 2005

- Florence Firestone Community Enhancement Team
- Oblique Aerial Digital Imagery (OADI) Project
- Solar-Powered Bus Stop Amenities Program
- The Difference Between Art & Graffiti Contest
- Unincorporated Malibu Area Culvert Lining Project
- Geographic Information System Speeds Answers to the Public



DPW Dispatch receives County Stars Award

Productivity and Quality Awards

2006

Bronze Eagle Award & Mega Million Platinum Eagle Award

- Well Modification to Improve Water Quality

Million Dollar Club Awards

- Road Repairs to San Francisquito Canyon
- Temporary Bridge on Beverly Boulevard
- Traffic Calming in School Zones

Special Merit Plaques

- Road Repairs on San Francisquito Canyon
- The County's First E-Commerce Permitting System
- Traffic Calming in School Zones

Traditional Plaques

- Oil Filter Collection Program at Kragen Auto Parts
- Queue Manager (QMAN)
- Temporary Bridge on Beverly Boulevard



DPW Construction Division 2006 e-Government Project of the Year Award

2005

Best Interagency Cooperation Award

- CREAM - Collaboration for Performance Management

Enhanced Plaque

- Road Closures Website

Traditional Plaques

- The Difference Between Art and Graffiti
- DMR - Digital Map and Recordation Database
- Public Works' Traffic Website

California State Association of Counties (CSAC)

2006

Honorable Mention

- Beverly Boulevard Over Rio Hondo Channel Temporary Bridge
- Kids on the Block Graffiti Education Program
- Oil Filter Collection Program at Krageen Stores
- Rainstorm Emergency Services
- Restoration of San Francisquito Canyon Road
- Road Closures Website
- Solid Waste Disposal Reporting System
- View LA

2005

Honorable Mention

- Florence-Firestone Community Enhancement Team
- Solar-Powered Bus Stop Amenities Program
- The Difference Between Art & Graffiti Contest
- County of Los Angeles DPW Traffic Website



Supervisor Antonovich acknowledges DPW's L.A. River Master Plan Work



2007 DPW Service Award recipients



2005 - 2007
BIENNIAL REPORT



Editor Emma Ayala

Assistant Editor Gary Boz 

Graphic Artist Stephen Deita

Photographers Monticello Miller

Christian Garcia

visit: www.dpw.lacounty.gov