



# WATER IRP

INTEGRATED RESOURCES PLAN

## NEWSLETTER



June 2010

### ACCOMPLISHMENTS

On January 15, 2010, the Board of Public Works approved the draft **Low Impact Development (LID) ordinance**, which requires 100% of the runoff generated from a 3/4-inch storm to be captured and reused or infiltrated on site. It applies to newly constructed homes, large developments and certain redevelopments. If compliance is infeasible on site, developers can pay a stormwater pollution mitigation fee to help pay for off-site public LID projects like green streets and alleys. The draft ordinance is currently under review by the Mayor's office and City Council, and a stakeholder review process began in late May to develop a Green Streets Manual.

As part of the Groundwater Replenishment component of the City's Recycled Water Master Planning process, the **Advanced Water Treatment Pilot Project** at the DCT plant began operating in late February 2010. This pilot project treats about 30 to 50 gallons per minute of DCT effluent to advanced treated level. *Pictured Right: Participants of the Recycled Water Advisory Group (RWAG) toured this facility in March.*



The California State emergency **graywater regulations**, which added Chapter 16A, (Part I) "Nonpotable Water Reuse Systems" into the 2007 California Plumbing Code, were approved by the California Building Standards Commission (CBSC) in July 2009 and became effective in August 2009. At that time the Department of Building and Safety (LADBS) issued an Information Bulletin to inform the public about the regulations. These emergency regulations were subsequently revised and made permanent by the CBSC and became effective in January 2010. LADBS has updated the previously-issued Information Bulletin to reflect the revisions. It is available to the public through the DBS website <http://www.ladbs.org/>.

In August 2009, the City conducted an audit of its **biosolids management program**. The results from the audit show that the City's biosolids management program is healthy and continues to improve, ensuring that the City maintains its Platinum status as an environmental leader in biosolids management. To view audit results go to [Biosolids Environmental Management System](http://www.lacitysan.org/biosolidsems/program_performance/audits_results.htm). ([http://www.lacitysan.org/biosolidsems/program\\_performance/audits\\_results.htm](http://www.lacitysan.org/biosolidsems/program_performance/audits_results.htm))

To help meet the biosolids policy, the City is continuing to demonstrate a new innovative technology, deep well injection of biosolids (*pictured right*). Since July 2008, the City has successfully injected more than 50 million gallons of bio-slurry material at the **Terminal Island Renewable Energy Project** without any adverse impact to the environment and public. For more information on the TIRE project visit the [TIRE website](http://www.lacitysan.org/biosolidsems/managing_biosolids/deep_well.htm). ([http://www.lacitysan.org/biosolidsems/managing\\_biosolids/deep\\_well.htm](http://www.lacitysan.org/biosolidsems/managing_biosolids/deep_well.htm))



The **Drought Resistant Landscape Incentive Program**, which launched last summer, pays customers \$1.00 per square foot of turf removed and replaced with drought tolerant plants, mulch, or permeable hardscapes and drip irrigation. To date, 258 applications for payment have been approved translating to 314,520 square feet of completed turf removed.

The **High-Efficiency Plumbing Fixture Ordinance** (No. 180822) became effective on December 1, 2009; LADBS is currently implementing this ordinance and appeals are being referred to LADWP. For more information visit the LADWP website: <http://www.ladwp.com/ladwp/cms/ladwp013148.jsp>

## UPDATES

- ◆ To provide relief of wet weather flows and avoid strains in the system downstream, a 15.2 million-gallon **storage** basin will be constructed within the berm of the **Tillman Water Reclamation Plant (DCT)**. This project is currently in design by the Bureau of Engineering, and the Bid and Award phase of the project is near completion. Once the project has been awarded, design will be completed and construction will begin. Construction will be completed in April of 2012, and will come online during the 2012/2013 wet weather season. By providing wet weather flow relief, this project effectively replaces the underground storage recommended in IRP Go Project #1.
- ◆ LADWP has successfully completed 13 **recycled water projects** since July 2009. Current projects that focus on maximizing the use of recycled water include:
  - The Harbor Water Recycling Project, which just reached the halfway point in completion of 40,000 ft of 30-inch (and smaller) purple pipe. Project construction began in October 2009. The pipeline expansion is expected to deliver 9,300 AFY of recycled water to various industrial and irrigation users in the Harbor as early as 2013.
  - LADWP is working with Los Angeles World Airports (LAWA) to deliver recycled water to the new Central Utility Plant at LAX for cooling purposes.
- ◆ BOS implemented a **Rainwater Harvesting Program** to pilot a Downspout Disconnection Project for rainwater capture and use for irrigation. Targeted residential and commercial properties were located within the Jefferson & Sawtelle Areas in CD's 10 & 11. Installation of 600 rain barrels occurred prior to the rainy season and BOS is in the process of conducting surveys to monitor the effectiveness of this program.

## EVENTS

- ◆ The **2010 Annual Water IRP Stakeholders Meeting** was held on June 10, 2010. The meeting included updates from LADWP and BOS on the progress of IRP related programs such as Recycled Water planning and outreach, as well as water conservation incentive programs and stormwater projects. The Department of Recreation and Parks highlighted a 36% water savings over the base line year due to an aggressive water conservation program and the use of recycled water for irrigation at City parks where feasible.



Above: BOS Director Enrique Zaldivar (Left) and LADWP Director of Water Resources Tom Erb (Right) welcome and thank stakeholders for their continued feedback and support



Pictured Above: Several IRP stakeholders and City staff shared insights at the annual meeting.

- ◆ As part of LADWP's Recycled Water outreach program, a series of **Community Water Roundtables** will be held to provide residents and business owners the opportunity for input on the Recycled Water program and other water issues. Stakeholders will also receive updates on the planning process. These meetings will begin in the fall at various locations throughout the City and will be held in the evenings or weekends.

COMING  
SOON!

## THE STAKEHOLDER'S CORNER

Share your story with us! We are interested in highlighting your contributions to the environment. Send us your success stories and lessons learned in stormwater capture, water reuse and water conservation such as installation of: stormwater infiltration systems, rainwater harvesting, permeable surfaces, graywater systems, high efficiency water fixtures, & others. E-mail your stories to: [lenise.marrero@lacity.org](mailto:lenise.marrero@lacity.org)

For more information visit the IRP website: <http://www.lacity.org/san/irp/> or call (323) 342-6251.