

FACT SHEET



PROGRAM OVERVIEW:

The City of Los Angeles' Water Integrated Resources Plan (IRP), which began in 1999, represented a totally new way of managing the City's water infrastructure and resources in a more sustainable and holistic manner. The result of the initial phases of the IRP was the preparation of detailed facilities plans for the City's wastewater and stormwater systems for the year 2020. By the time the IRP was adopted by the City Council in 2006, it included recommendations for projects and policies to improve our wastewater system, multi-purpose/multi-benefit stormwater management, and maximizing water conservation, and water reuse — in short, managing all water as **One Water**.



CITY DEPARTMENTS AND STAKEHOLDER

PARTNERSHIP: The 8-year development phase of the

IRP was intensively stakeholder-driven. Dozens of workshops and meetings were held to obtain input from stakeholders and strengthen the partnerships with the City. Following the IRP adoption in 2006, the collaboration continued into the implementation phase. Annual stakeholder meetings are still being held and stakeholders can keep engaged and informed through a website (www.lacitysan.org/irp) and semiannual newsletters.

To foster communication and facilitate progress on implementing IRP projects and policy directions, a City staff Implementation Strategy team was created, which included representatives from the Department of Public Works' Bureau of Sanitation (L.A. Sanitation), Bureau of Engineering, and Bureau of Street Services, Los Angeles Department of Water and Power (LADWP), Department of Building and Safety, Department of Recreation and Parks (RAP), General Services Department, and Department of City Planning.



RECENT DEVELOPMENTS:

U.S. WATER PRIZE: The Clean Water America Alliance awarded the 2011 U.S. Water Prize to the City's Water IRP for planning, integrating, and incorporating innovative green infrastructure approaches and increasing resource recovery through water reuse and other cutting edge technologies.

5-YEAR REVIEW DOCUMENT: 2011 marked five years since the adoption of the Water IRP. City departments have implemented many of the recommended IRP projects and policies. Despite this progress, many of the triggers for the IRP projects (e.g., population growth, potentially more stringent regulations, etc.) have not been met, and other regulations and technologies have emerged instead. The IRP 5-Year Review document was completed in 2012 to review progress on IRP recommendations and document ideas and suggestions for potential policy directions to consider. This document was presented to the Board of Public Works and the Board of Water and Power (Oct. 2012) and is available through the IRP website.

ONE WATER LA 2040: Building on the great success of the IRP—with a planning window ending in 2020, and in consideration of evolving environmental, social and sustainability factors—the City is now embarking on developing the **One Water Los Angeles 2040 Plan**. As with the IRP, One Water LA will be developed in collaboration with stakeholders—with a goal of expanded public involvement representing LA's diverse geography, demographics, and interests.

Stakeholder workshops will start in Spring of 2014. Sign up today by providing your contact info or visiting: <http://lacitysan.org/irp/2040SignUp.cfm>



2020 WATER IRP HIGHLIGHTS/ACCOMPLISHMENTS:

WASTEWATER MANAGEMENT

- ◆ Deferment of over \$500 million in construction costs due to a successful water use efficiency programs and other factors – The wastewater flow projection made by the IRP in 2006 is about 30% higher than the actual flow, delaying the need to construct many of the planned infrastructure projects.

MAXIMIZING RECYCLED WATER

- ◆ **Construction of over 40,000 feet of Purple Pipe Recycled Water Projects** serving over 120 customers which have used recycled water for irrigation and industrial purposes in the last 5 years.
- ◆ **Completion of detailed Recycled Water Master Planning (RWMP) documents** (Apr. 2012) developed to meet the City's goal of achieving 59,000 acre-feet per year (AFY) of recycled water delivered by 2035 and identifying how the City can maximize recycled water use beyond the 59,000 AFY goal.
- ◆ **Establishment of a Recycled Water Advisory Group (RWAG)** and stakeholder engagement activities – The RWAG is composed of approximately 60 stakeholders representing diverse interests and demographics throughout the City and was formed to provide input during the development of the RWMP Documents.
- ◆ **Proposed Groundwater Replenishment Project:** The City is pursuing a Groundwater Replenishment Project to replenish the San Fernando Basin with up to 30,000 AFY of highly purified recycled water to be produced at the Donald C. Tillman Water Reclamation Plant. The City launched the environmental review in September 2013. The project will supplement drinking supplies and is scheduled to be operational by 2022.



WATER CONSERVATION

- ◆ **Overall reduction of water usage by nearly 18%** (from 2006-07) through implementation of the City's Water Conservation Ordinance.
- ◆ **Increased Rebates for Water Efficient Fixtures and Appliances.**
- ◆ **Implementation of the California Friendly Landscape Incentive ("Cash in Your Lawn") Program** which pays customers up to \$2 per square foot of living turf removed and replaced with water wise California Friendly plants, mulch, or permeable hardscapes and drip irrigation.
- ◆ **Partnership of LADWP and RAP** to upgrade parks with water efficient irrigation and California-Friendly landscaping.

STORMWATER MANAGEMENT

- ◆ **Adoption of the Low Impact Development (LID) Ordinance** (Jan. 2010) which requires 100% of the runoff generated from a 3/4 inch storm to be managed on site; an LID Handbook is available and can be found in <http://www.lastormwater.org/>
- ◆ **Completion of many Prop O and Green Streets Projects**, including:
 - Echo Park Lake Rehabilitation Project** (Completed June 2013) - Echo Park Lake was reopened upon completion of the lake rehabilitation. This \$40 Million project removed sediment and installed synthetic liner, bioswales, porous pavement, and "smart" irrigation.
 - Elmer Avenue Neighborhood Retrofit Project** (Completed Spring 2010) – installed sidewalks, curb and gutter, and catch basins along Elmer Avenue in Sun Valley. This project also installed a large infiltration system underneath the street and parkway stormwater gardens and driveway drains to accept runoff from adjacent lots.
- ◆ **Establishment of Green Streets Committee** – This interdepartmental committee developed the *Green Infrastructures Program Status Report* summarizing the City's progress in implementing environmentally friendly street-surfacing materials and other green elements. Seven standard plans have been developed to guide developers in constructing green streets and green alleys.

