One Water LA

Building on the Success of the Los Angeles Water Integrated Resources Plan

Innovation • Integration • Inclusion
LA’s Water Management Challenges

- Increasing population
- Aging infrastructure
- More stringent regulations
- Limited funding
- Dependence on imported water

88% of L.A. water supplies impacted by climate change, environmental and legal issues
A Sustainable Approach:

Manage all water as One Water:
- Drinking Water
- Rain/Storm Water
- Groundwater
- Recycled Water
- Wastewater
Water Integrated Resources Plan

- Adopted by City Council in 2006
- Provided an **integrated facilities plan for water, wastewater, and runoff management** programs through 2020
- Innovative
  - Integrated watershed planning
  - City department collaboration
  - Stakeholder involvement
    - Over 200 meetings during development
    - Since 2006: Annual meetings, Newsletters, Website
Since 2006...

HIGHLIGHTS

• **Recycled Water:** Recycled Water Master Planning Documents completed in 2012; GWR Project currently in Environmental Process; Construction of >40,000 ft of Purple Pipe Recycled Water Projects serving over 120 customers in the last 5 years.

• **Water Conservation:** Reduction of water use by ~18% (from 2006-07) through Water Conservation Ordinance; Increased Rebates for Water Efficient Fixtures and Appliances; Implementation of the CA Friendly Landscape Incentive Program.

• **Runoff Management:** Adoption of the Low Impact Development (LID) Ordinance; Establishment of Green Streets Committee; and Completion of many Prop O and Green Streets Projects.

Many projects deferred saving ~$545M in construction costs.
Wastewater Highlights

**Go Projects**

- Wastewater storage at DCTWRP
  Completed 2012

- Design of Northeast Interceptor Sewer
  Phase II Completed by late 2014

- Upgrade DCTWRP to Advanced
  Treatment for Groundwater
  Replenishment currently in
  Environmental Process
Stormwater Management Highlights

• **LID**
  – Over 200 development/re-development projects reviewed and approved each month

• **Proposition O (nearing final close-out)**
  – Elmer Avenue Phase II: Elmer Paseo
  – Glenoaks/Sunland Stormwater Capture
  – Rosecrans Rec Center Stormwater Enhancements

• **Green Streets**
  – Ed P. Reyes (Humboldt) River Greenway
  – Woodman Median Retrofit
  – Old Oak Road BMP
Stormwater Management Highlights

Projects currently under construction include:

• Machado Lake Ecosystem Rehabilitation
• Manchester Neighborhood Greenway
• Santa Monica Bay Low Flow Diversion Upgrades Package 3, Phase I
• Temescal Canyon Park Stormwater BMPs Phase I
• Trash Total Maximum Daily Load Implementation Phase IV – Catch Basin Inserts and Opening Screen Covers
• Wilmington Drain Multiuse
Recycled Water Highlights

Groundwater Replenishment Project

Environmental Review Process
• Initial Study Public Review Period Completed
• CEQA Draft Environmental Impact Report (EIR) in Preparation

Next Opportunity for Public Review: Early 2015
Recycled Water Highlights

Recently Completed RW Connections

- Hercules Campus at Playa Vista East & West
- Zoo Parking Phase III
- Ed P. Reyes River Greenway
- Los Feliz Golf Course

Ongoing Projects

- Woodley Park Phase II
- N Atwater Park
- Bond Park
- Atlas Carpet

WateReuse California Honors LADWP Customer - Gibson Ranch
DROUGHT RESPONSE:
LA’s Water Conservation Ordinance

Watering Restrictions in Effect

• 3 days per week
• Before 9am or after 4pm
• Odd-numbered addresses: Mon, Wed, and Fri
• Even-numbered addresses: Tues, Thurs, and Sun

WATER CONSERVATION ORDINANCE

IN LOS ANGELES, YOU CANNOT:

• Use water to wash any hard surfaces such as sidewalks, walkways, driveways or parking areas, unless flushing is needed to protect health and safety;
• Use water to clean, fill or maintain decorative fountains unless the water is part of a recirculating system;
• Serve water to customers in eating establishments unless requested;
• Permit leaks from any pipe or fixture to go unrepaired;
• Allow for the washing of a vehicle without using a hose with a self-closing, shut-off device;
• Permit watering during periods of rain;
• Irrigate landscaping between the hours of 9 a.m. and 4 p.m.;
• Water outdoors for more than 15 minutes per watering station, 10 minutes for other irrigation systems;
• Allow runoff onto streets and gutters from excessive watering;
• Install single-pass cooling systems in new buildings;
• Install non-recirculating systems in new car wash and commercial laundry systems;
• Permit large landscape areas to water without rain sensors that shut off irrigation systems; and

YOU SHOULD:

• Inform hotels and motel guests of the option to reuse towels;
• Allow for exemptions for using gray water.
DROUGHT RESPONSE: Focused Media Campaign

KEEP SAVING WATER, L.A.!
Know your watering days.

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ODD Addresses

EVEN Addresses

Water conservation in Los Angeles is mandatory. Limit your outdoor watering to 3 days a week, 8 minutes per station, before 9 a.m. or after 4 p.m.

Los Angeles Department of Water & Power

CASH IN YOUR LAWN
Replace your turf and get a rebate of up to $2 per square foot. Dig up info at www.ladwp.com

Innovation • Integration • Inclusion
One Water LA 2040 builds off the success of the Water Integrated Resources Plan (IRP)

- **Innovation**
  - Interconnecting water, wastewater and stormwater
- **Integration**
  - Partnerships with LADWP, RAP and other City Orgs
- **Inclusion**
  - Actively sought out stakeholder input and direction

**Towards 2040**

- **Innovation**
  - Address emerging environmental challenges
- **Integration**
  - Build and Expand Citywide Coordination & Partnerships
- **Inclusion**
  - Constant contact and involvement with stakeholders
Interdepartmental & Interagency Coordination

Others:
- Caltrans
- High Speed Rail
- LA County Flood Management
- LA County Sanitation
- LA USD
- METRO
- MWD
- SCAG
- 29 Contracting Agencies
One Water LA Builds on Success of Water IRP, and Greatly Expands on it!

Maximizing recycled water use

Better managing our stormwater

Increasing water conservation

Innovate • Integrate • Include
Many efforts currently underway in the areas of wastewater, stormwater capture, recycled water, and water conservation

One Water LA 2040 Plan

- **Phase I** is currently in development: Develops initial planning baseline & establishes guiding principles

- **Phase II**: Recommendations and continued collaboration
  - Develops projects and policies for coordinated water management and facilities planning citywide
  - Develops updated facilities plans for stormwater and wastewater, and provides guidance for updates of other future master plans citywide
Stakeholder Process

- **Recent Outreach Events**
  - 2014 VerdeXchange Conference
  - 2014 WorldFest
  - 2014 Annual Neighborhood Council Congress

- **Stakeholder Workshops**
  - Held the first of 3 workshops that initiated Phase I of One Water LA Plan

- **One Water LA Advisory Group**
  - Selected key stakeholders for active and dedicated participation with the City’s One Water LA Team

**Total of 300 Stakeholders and 200 Organizations represented as part of One Water LA**
One Water Needs for Re:Code LA

• Requiring New Developers to create corridors of Green-Blue Projects
  – Projects would provide friendly landscapes (e.g. green streets, grassy swales) from the top of watersheds to receiving water bodies

• Modification of Commercial and Industrial setbacks
  – Larger Infiltration Areas and Green Space

• Requiring Drought-Tolerant Plants and Turf Removal
  – Decreasing Water Use

• Revisiting Jurisdictions Exempt from LID Ordinance
  – Infrastructure from a lot of State & Federal agencies contribute to pollution in City Surface Waters (encourage LID)
One Water Needs for Re:Code LA

• **Collection Service Designation for New Developments**
  – Currently no clarity on who collects (City or Private Company?)
  – Identifying who will service while plans are still in development

• **Waste Receptacles on Public Streets**
  – LA SAN is expected to pick up

• **Sufficient Space for Container Storage**
  – Most Single Family Dwellings are located in tight spaces

• **Designated Space for Multi-Family & Commercial Units**
  – Sufficient Space for a three container system (e.g. Blue bins, Green Bins, & Black Bins)
Questions?