

Welcome to the December 10 Stakeholder Workshop!





WELCOME AND INTRODUCTIONS

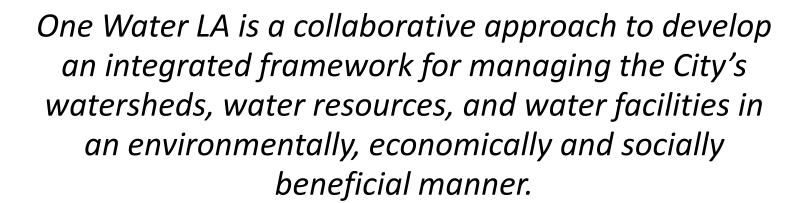




One Water LA Vision











One Water LA will lead to smarter land use practices, healthier watersheds, greater reliability of our water and wastewater systems, increased efficiency and operation of our utilities, enhanced livable communities, resilience against climate change, and protection of public health.







Practically, One Water LA will . . .



 Support the Mayor's Goals to reduce imported water use to less than 50% by 2040.



2. Improve wastewater facilities to meet regulatory and recycled water needs.



- Manage runoff to meet water quality requirements AND increase water supply.
- 4. Balance needs for water.







AGENDA, GROUND RULES, OBJECTIVES





Today's Workshop Agenda



- 1. Introductions
- 2. Agenda Overview and Ground Rules
- 3. Today's Objectives



- 4. One Water LA Consultant Team
- 5. One Water LA Update



- 6. Department Updates: LAWA and LADOT
- 7. Phase 2 Stakeholder Involvement
- 8. BREAK



- Existing and Future Conditions
- 10. Discussion Group Exercise
- 11.Next Steps







We Commit To:



- 1. Listening attentively and with an open mind.
- 2. Ensuring transparency in sharing information.



- 3. Respecting your ideas and perspectives.
- 4. Keeping good records of discussion and input.



Providing information in a timely manner (whether at the workshop or as a follow-up).









What we expect from you:



1. Contribute to make the group's time together productive.



- 2. Respect the ideas and perspective of others. Give everyone a chance to speak. Don't interrupt.
- 3. Listen attentively and with an open mind.



 Maintain focus on the topic currently under discussion. Avoid repeating issues that have already been raised or recorded.



Consistent participation and engagement is critical. Commit to attend workshops, tours, and other sessions as often as possible.







Today's Workshop Objectives



- 1. Provide Update on One Water LA
- 2. Review Existing and Future Conditions



Identify Stakeholder Roles and Create Opportunities for Involvement



4. Answer Your Questions









In Memory of Frank Wada (1953-2015)



 Active member in the Lincoln Heights Neighborhood Council since its inception.



 One of the founding members of the Lincoln Heights Dollars for Scholars foundation.



 Often participated in the Water Integrated Resources Plan and One Water LA Stakeholder Workshops.











One Water LA Staff Updates



 Doug Walters, P.E., BCEE appointed Acting Chief Sustainability Officer for LA Sanitation



Additions to One Water LA Group:





Flor Burrola, hired as Civil Engineer Associate











ONE WATER LA UPDATE





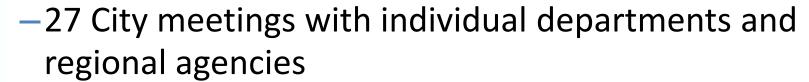
Phase 1 Summary



 Collaboratively developed One Water LA Vision, Objectives, and Guiding Principles



Meetings/Collaboration:





- 3 Stakeholder Workshops
- 4 Advisory Group Meetings



- 5 Steering Committee Meetings
- Developed Initial Water Balance Tool







City Departments and Regional Agencies









Regional Agencies:

- Caltrans
- High Speed Rail
- LA County Flood Control District
- LA County Department of Public Works
- LA County Sanitation Districts
- LA Unified School District
- METRO
- Metropolitan Water District
- Southern California Association of Governments
- United States Army Corps of Engineers







Ongoing One Water LA Work



 Steering Committee identified over 40 policies to better coordinate activities



 Partnered with Pepperdine University E2B Program
 MBA Students developed marketing/ communications plans



Working on RW Use in Concrete Mixing





 Working with 13 City Departments and multiple regional agencies on integration opportunities and data sharing







Key Activities in Phase 2







Conditions

Develop Program Alternatives Cost-Benefit Analysis Wastewater and Runoff Facility Plans



Ongoing Tasks

Specific Tasks

Stakeholder Input and Communications

Develop Funding Strategies Develop Integrated Projects Develop
Policies and
Ordinances

Climate Change Analysis One Water LA 2040 Plan (January 2017)

+

Programmatic EIR (January 2018)









One Water LA Phase 2 Schedule









			2015	;		2016												2017												
Task	Task Description	Aug	 		Dec	Jan	Feb	Mar	Apr	May			Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	_	_		ıg S	ер С	Oct N	Nov I	Dec
1	Existing Flow Conditions			♦			♦					♦												\perp				\Box		
2	Future Flows Conditions						\					♦											◆ Draft TM							
3	Existing Integration Opportunities								♦			♦											♦	Fir Fir						
4	Funding Strategies					♦			♦			♦											•		eting					
5	Integration Alternatives Evaluation									♦		♦										L								J
6	Cost-Benefit Analysis									♦		♦																		
7	Wastewater Facility Master Plans											♦																		
8	Stormwater Runoff Facility Plans											♦																		
9	Project Timelines											\																		
10	Implementation Strategies											♦																		
11	Pilot Studies											\					♦													
12	Special Studies								\		♦																			
13	Policies and Ordinances									♦		\																		
14	Supporting Graphics																													
15	One Water LA 2040 Plan															♦		♦												
16	Program EIR																								4		4	•		•
17	Stakeholder Activities				•			•			•			•			•													
18	Marketing Strategy & Outreach					\rightarrow		\		♦																				
19	Project Management																													









LA Department of Transportation Presentation







One Water LA Phase 2

Stakeholder Participation Approach





Expanding Stakeholder Advisory Group



Purpose: Provide advice to enhance stakeholder engagement and communication.



Current Members

- Carolyn Casavan
- David Nahai
- Jack Humphreville
- Ken Murray
- Melanie Winter
- Mike O'Gara
- Veronica Padilla

Proposed Additional Members

- Business interests
- Academia









Forming Four Special Topic Groups Where Your Input is Needed



- Meet 3 times in first half of 2016
- Provide progress report at stakeholder meetings



Funding, Cost Benefit Analysis

- New funding sources
- Input on B/C analysis



Outreach and Marketing

- Provide input and ideas
- Recommend resources



- Implementation ideas
- Leveraging existing efforts

Stormwater and Urban Runoff

- Implementation ideas
- Integration opportunities
- Monitoring and maintenance









EXISTING AND FUTURE CONDITIONS





Existing Conditions



- Water Supply
 - Local Groundwater
 - LA Aqueduct
 - MWD Imported water



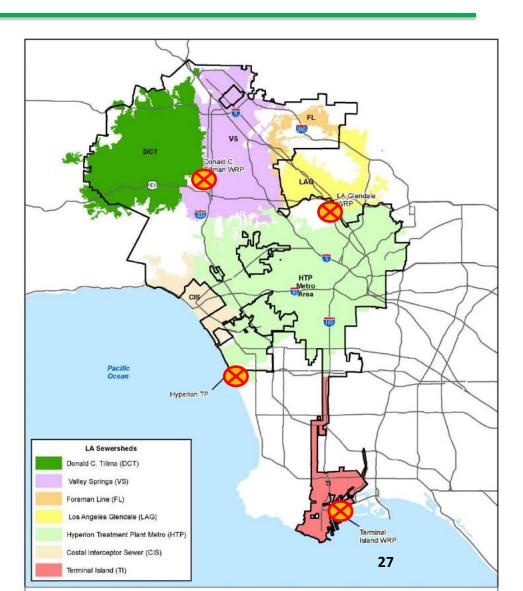
- 4 treatment plants
- Recycled Water
 - 3 reclamation plants
- Stormwater
 - Rainfall
 - Run-on
 - Irrigation













Flow Balance Model Components



Potable Water

Supplies:

Local Groundwater
LA Aqueduct
Imported (MWD)



Demands:

Indoor Outdoor



Treatment Plants:

Donald C. Tillman WRP LA-Glendale WRP Hyperion TP Terminal Island WRP

Wastewater Flows:

City flows (indoor water)
Industrial Discharges
Contract Agencies
Dry Weather Diversions
Stormwater Infiltration

Recycled Water

Supplies:

Donald C. Tillman WRP LA-Glendale WRP Terminal Island WRP Hyperion TP (WBMWD)

Demands:

Title 22 Customers Environmental Uses West Basin MWD Barriers

Stormwater

Supplies:

Rainfall Run-on Irrigation

Outflows:

Natural GW Recharge BMPs GW Infiltration Evapotranspiration Stormdrain discharges (LA River, Creeks, Ocean)









Flow Balance Model Components



Potable Water

Supplies:

Local Groundwater
LA Aqueduct
Imported (MWD)
DPR (Future)
Desal (Future)



Demands:

Indoor Outdoor

Wastewater

Treatment Plants:

Donald C. Tillman WRP LA-Glendale WRP Hyperion TP Terminal Island WRP

Wastewater Flows:

City flows (indoor water)
Industrial Discharges
Contract Agencies
Dry Weather Diversions
Stormwater Infiltration

Recycled Water

Supplies:

Donald C. Tillman WRP
LA-Glendale WRP
Terminal Island WRP
Hyperion TP (WBMWD)
Hyperion WRP (Future)
New WRPs (Future)

Demands:

Title 22 Customers
Environmental Uses
West Basin MWD
Barriers
IPR (Future)
DPR (Future)

Stormwater

Supplies:

Rainfall Run-on Irrigation

Outflows:

Natural GW Recharge BMPs GW Infiltration Evapotranspiration Stormdrain discharges (LA River, Creeks, Ocean)

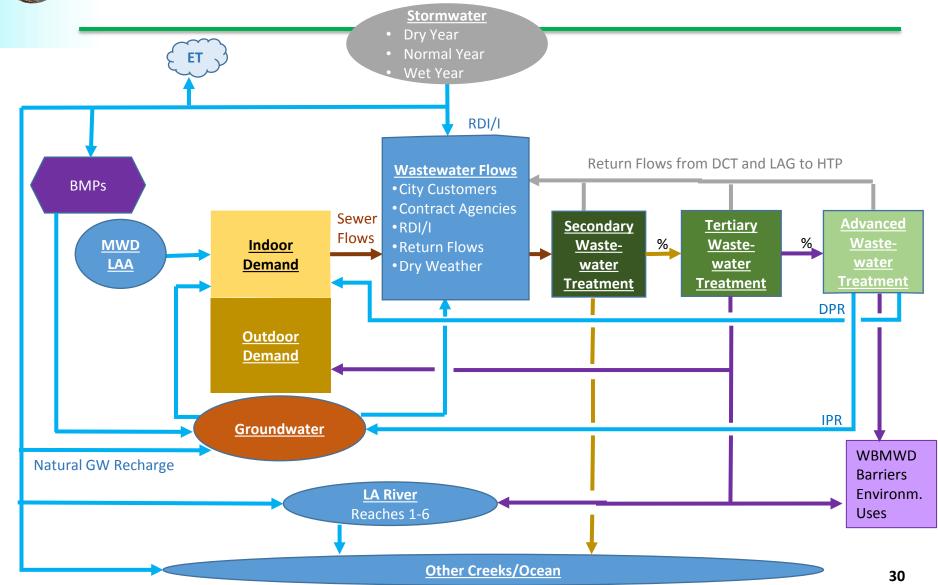








Simplified Mass Balance Flow Model





Challenges to Optimize Water Flow Balance



- Water Supply
- Wastewater flows



- Recycled Water
- Stormwater/Urban Runoff



- Climate Change Impacts
- Other Uncertainties







DISCUSSION EXERCISE





Question #1: Recycled Water





 Given the competing needs and uses for wastewater (recycled water, graywater, satellite treatment, etc.) as a resource along with its finite nature, do you have any suggestions or recommendations on how we should approach this dilemma?









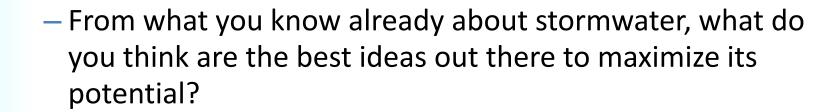


Question #2: Stormwater Capture



Given the goal of reducing dependence on imported water, improving water quality and flood management, capturing and using stormwater as an increased local water source is both desirable and challenging.







 What do you perceive to be the challenges to implementing significantly greater stormwater capture?











Next Steps



- Special topic group discussions (Jan June)
- Expand advisory group



- Next stakeholder workshop (March 2016)
 - ➤Integration of projects



- Climate change impacts
- ➤ Alternatives development



 Email questions and comments to <u>OneWaterLA@lacity.org</u>.







THANK YOU!

OneWaterLA@lacity.org







Innovation • Integration • Inclusion