



ONE WATER LA 2040 PLAN

VOLUME 9 Stakeholder Engagement Materials

FINAL DRAFT | APRIL 2018



CITY OF LOS ANGELES

ONE WATER LA 2040 PLAN

VOLUME 9

Stakeholder Engagement Materials

FINAL DRAFT • APRIL 2018

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SUMMARY OF ONE WATER LA

The One Water LA 2040 Plan (Plan) takes a holistic and collaborative approach to consider all of the City's water resources from surface water, groundwater, potable water, wastewater, recycled water, dry-weather runoff, and stormwater as "One Water." The Plan also identifies multi-departmental and multi-agency integration opportunities to manage water in a more efficient, cost effective, and sustainable manner. The Plan represents the City's continued and improved commitment to proactively manage all its water resources and implement innovative solutions, driven by the Sustainable City pLAn. The Plan will help guide strategic decisions for integrated water projects, programs, and policies within the City.



PLAN ORGANIZATION

The One Water LA 2040 Plan consists of the following ten volumes:

- VOLUME 1 - Summary Report
- VOLUME 2 - Wastewater Facilities Plan
- VOLUME 3 - Stormwater & Urban Runoff Facilities Plan
- VOLUME 4 - LA River Flow Study
- VOLUME 5 - Integration Opportunities Analysis Details
- VOLUME 6 - Climate Risk & Resilience Assessment for Wastewater and Stormwater Infrastructure
- VOLUME 7 - Implementation Strategy Supporting Documents
- VOLUME 8 - Technical Support Materials
- VOLUME 9 - Stakeholder Engagement Materials
- VOLUME 10 - Programmatic Environmental Impact Report

The information presented in this Volume (Volume 9) includes a compilation of stakeholder engagement materials developed for meetings and workshops that took place during the Plan development. Additional outreach and engagement materials including brochures and a progress report, are also included in this Volume. It should be noted that all information presented herein reflects draft information and presentations used for discussion purposes to help shape this Plan. The content of the meeting materials may therefore differ somewhat from content in the Summary Report, Facilities Plans, and other studies presented in the previous Plan Volumes. Information and ideas presented in this Volume 9 (Stakeholder Engagement Materials) were incorporated throughout the Plan, and summarized and referenced in:

- Chapter 2 (Plan Collaboration and Stakeholder Engagement) of the Summary Report (Volume 1)
- Chapter 9 (Plan Recommendations and Implementation Strategy) of the Summary Report (Volume 1), TM 5.3 (Volume 5), TM 13.1 (Volume 7) for future integration strategies, portfolio themes, and policies ideas
- Special Topic Group recommendations for decentralized on-site treatment presented TM 12.5.1-3 and TM 12.6 (Volume 8)
- Special Topic Group recommendations for funding strategies presented in Chapter 10 (Funding Needs and Next Steps) of the Summary Report (Volume 1), TM 4.1 (Volume 7) and the Stormwater and Urban Runoff Facilities Plan (Volume 3)
- Special Topic Group recommendations for outreach and communications as documented in TM 18.1 and TM 18. 2 (Volume 9)
- Special Topic Group recommendations for stormwater and urban runoff management as integrated in the Stormwater and Urban Runoff Facilities Plan (Volume 3)

VOLUME 9 OVERVIEW & ORGANIZATION

An overview of information presented in sequential order in this volume is provided in the table below.

Title	Content Overview
Guiding Principles Report	Establishes a vision for the One Water LA 2040 Plan, a set of objectives, and guiding principles developed working closely with stakeholders. Describes the One Water LA stakeholder engagement program and strengthened interactions among City departments and regional agencies.
TM 18.1 – Public Engagement Plan	Establishes the stakeholder engagement strategy and programs for the Plan, building upon the Guiding Principles Report. Provides guidance on stakeholder involvement opportunities in planning tasks and studies, and outlines approaches for increasing and diversifying stakeholder participation.

Title	Content Overview
TM 18.2 – Communication Plan	Provides the communication strategy for the Plan. Intended to be a "living" document that will be reviewed and revised on a periodic basis to reflect the evolving program and communication challenges, opportunities and needs.
Steering Committee Meetings	List of Steering Committee meetings, meeting agendas, notes, and presentations.
Advisory Group Meetings	List of Advisory Group meetings, meeting agendas, notes, and presentations.
Stakeholder Workshops	List of stakeholder meetings, stakeholder acknowledgement and map, meeting agendas, notes, and presentations.
Special Topic Groups Meetings	List of Special Topic Group meetings, meeting agendas, notes, and presentations.
Inter-departmental Focus Meetings	List of Inter-departmental Focus meetings.
Academic Partnerships and School Education	Partnership meetings with academic institutions, and school programs where students developed and presented projects aimed to provide solutions to One Water LA water design challenges.
Progress Report	Report issued to communicate progress made to-date on the One Water LA program as of June 2017.
One Water LA Brochures	Includes list of fact sheets and a progress summary.
Other Engagement Activities	List of other engagement activities and meetings.

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CITY OF LOS ANGELES

VOLUME 9: REPORT TITLE

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ACADEMIA

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ONE WATER LA BROCHURES

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LIST OF ABBREVIATIONS

Abbreviation	Description
\$/AF	dollars per acre-foot
\$M	millions of dollars
°C	degrees Celsius
°F	degrees Fahrenheit
µm	micrometer
AACE	Association for the Advancement of Cost Engineering
AAWRE	American Academy of Water Resources Engineers
ac	acre
ADA	Americans with Disabilities Act
ADF	average day flow
ADWF	average dry-weather flow
AF	acre-feet
AFD	acre-feet per day
AFY	acre-feet per year
AGB	Aerated Grit Basins
AGWO	active groundwater outflow
AMEL	average monthly effluent limitation
AOP	advanced oxidation process
APA	allowable pumping allocation
APHIS	Animal and Plant Health Inspection Service
AQMD	Air Quality Management District
AR4	Fourth Assessment Report
AR5	Fifth Assessment Report
ARBOR	Area with Restoration Benefits and Opportunities for Revitalization
AS	activated sludge
ASBS	Areas of Special Biological Significance
ASCE	American Society of Civil Engineers
ASR	aquifer storage and recovery
ATFs	air treatment facilities
Avg TDS	average TDS
AVORS	Additional Valley Outfall Relief Sewer
AWPF	Advanced Water Purification Facility
AWT	advanced water treatment
AWTF	advanced water treatment facility
BAC	biologically activated carbon
BAF	biological aerated filter
Basin Study	Los Angeles Basin Stormwater Conservation Study
BC	Ballona Creek
BCSD	bias correction and spatial downscaling
BFE	base flood elevation

Abbreviation	Description
BM	Burns McDonnell
BMPs	Best Management Practices
BNR	biological nitrogen removal
BOD	biochemical oxygen demand
BOD/SS/TDS	biochemical oxygen demand/suspended solids/total dissolved solids
BOD ₅	5-day biochemical oxygen demand
BOE	Los Angeles Bureau of Engineering
BOR	U.S. Bureau of Reclamation
BPAs	Basin Plan Amendments
BRK	brick
BSS	building and safety
BTF	biotrickling filters
BWP	Burbank Water and Power
BWRP	Burbank Water Reclamation Plant
BWSC	Boston Water and Sewer Commission
C	conservation
CAL FIRE	California Department of Forestry and Fire Protection
Cal OES	California Office of Emergency Services
CAIRecycle	Department of Recycling and Recovery
Caltrans	California Department of Transportation
CAO	City Administrative Officer
CARB	California Air Resources Board
CASQA	California Stormwater Quality Association
CAT	California Climate Action Team
CB	Central Basin
CBMWD	Central Basin Municipal Water District
cBOD	carbonaceous biochemical oxygen demand
CBWRP	Central Basin Water Rights Panel
CCI	Construction Cost Index
CCPP	calcium carbonate precipitation potential
CCR	California Code of Regulations
CCTAG	Climate Change Technical Advisory Group
CCTV	closed circuit television
CDBG	Community Development Block Grant
CDC	Children's Discovery Center
CDPH	California Department of Public Health
CDS®	Continuous Deflector System
CDWR	California Department of Water Resources
CEC	constituents of emerging concern
CEQA	California Environmental Quality Act

Abbreviation	Description
CERP	Capital Equipment Replacement Program
cf _d	cubic feet per day
cf _h	cubic feet per hour
cfm/lb	cubic feet per minute per pound
cfs	cubic feet per second
CFSC	Central Flare System Controller
CHSRA	California High Speed Rail Authority
CIP	Capital Improvement Plan
CIRS	Coastal Interceptor Relief Sewer
CIS	Coastal Interceptor Sewer
City	City of Los Angeles
Cl ₂	chlorine gas
cm	centimeters
CMAS	completely mixed activated sludge
CMIP3	Coupled Model Intercomparison Project Phase 3
CMIP5	Coupled Model Intercomparison Project Phase 5
CMOM	capacity management, operations, and maintenance
CMP	coordinated monitoring plan
CMP	corrugated metal pipe
CO ₂	carbon dioxide
Co-CAT	Coastal and Ocean Working Group of the California Climate Action Team
COD	chemical oxygen demand
CON	unreinforced concrete
CONRAC	Consolidated Rent-A-Car Center
COS	Central Outfall Sewer
CoSMoS	Coastal Storms Modeling System
CRA	Colorado River Aqueduct
CREAT	Climate Resilience Evaluation and Awareness Tool
CREST	Cleaner Rivers through Effective Stakeholder led TMDLs
CRS	Community Rating System
CRWRF	Carson Regional Water Reclamation Facility
CSA	California Sustainability Alliance
CSD	contaminated storm drain
CSDPR	California State Department of Parks and Recreation
CSO	combined sewer overflow
CSWRCB	California State Water Resources Control Board
CT	clay tile
CT mg-min/L	contact time milligram - minute per liter
CTG	combustion turbine generator
CUP	Central Utility Plant

Abbreviation	Description
CWA	Clean Water Act
CWH	Council for Watershed Health
CWP	Center for Watershed Protection
CWSRF	Clean Water State Revolving Fund
CY	current year
d/D	depth over diameter
DAF	dissolved air flotation
DBP	disinfection byproducts
DC	Dominguez Channel
DCAC	direct contract aftercooler
DCP	Department of City Planning
DCS	distributed control system
DCTWRP	Donald C. Tillman Water Reclamation Plant
DDW	Division of Drinking Water
DFE	design flood elevation
DGB	Dominguez Gap Barrier
DGBP	Dominguez Gap Barrier Project
DGUP	Digester Gas Utilization Project
DHI	Danish Hydraulic Institute, Inc.
DICE	Dewatering Interim Centrifuge Expansion
DJF	December–February
DO	dissolved oxygen
DPH	Department of Public Health
DPR	direct potable reuse
DSA	Division of State Architect
dtpd	dry tons per day
DTSC	Department of Toxic Substances Control
DWF	dry weather flow
DWFD	dry and wet weather flow diversion
DWP	Department of Water and Power
DWR	California Department of Water Resources
DWRP	Downtown Water Recycling Project
E2B	Education to Business
EBPR	enhanced biological phosphorus removal
ECIS	East Central Interceptor Sewer
ECL	Edward C. Little
ECLWRF	Edward C. Little Water Reclamation Facility
ED#5	Executive Directive No. 5
EED	Environmental Engineering Division
EIR	Environmental Impact Report
EIS	Environmental Impact Statement

Abbreviation	Description
EL	elliptical
EMCs	event-mean concentrations
EMPAC	Enterprise Maintenance Planning and Control
EMS	Environmental Management System
ENR	Engineering News Record's
EPA	Environmental Protection Agency
EPP	Effluent Pumping Plant
EQ	equalization
ERIS	Eagle Rock Interceptor Sewer
ERP	Enforcement Response Plan
ESB	engineered storage buffer
ESC	Environmental Significance Category
ESS	effluent suspended solids
ETo	evapotranspiration
EVIS	East Valley Interceptor Sewer
EVRS	East Valley Relief Sewer
EWMP	Enhanced Watershed Management Program
EWVIS	East-West Valley Interceptor Sewer
Facilities Plan	Stormwater and Urban Runoff Facility Plan
FAST	Field Automation for Sanitation Trucks
FAT	full advanced treatment
FEMA	Federal Emergency Management Agency
FGTS	fuel gas treating system
FIRMs	flood insurance rate maps
FL	Foreman Line
FMA	Flood Mitigation Assistance
FMD	Financial Management Division
FMP	Floodplain Management Plan
FOG	fats, oil, and grease
fps	feet per second
FRM	Flood Risk Management
FRP	fiberglass-reinforced plastic
FSE	food service establishments
ft	feet (foot)
ft/day	feet per day
ft/sec	feet per second
ft/yr	feet per year
FTC	flow to the city
FY	fiscal year
GAC	granular activated carbon
gal	gallons

Abbreviation	Description
gal/ac/day	gallons per acre per day
gal/yr	gallons per year
GCM	general circulation model
gfd	gallons per square foot per day
GHG	greenhouse gas
GI	green infrastructure
GIS	Geographic Information System
GOX	gas oxygen
GPA	grade point average
gpcd	gallons per capita per day
gpd	gallons per day
gpd/imp acre	gallons per day per acre of impervious area
gpd/sq ft	gallons per day per square foot
gped	gallons per employee per day
gph	gallons per hour
gpm	gallons per minute
gpm/sq ft	gallons per minute per square foot
GPR	Green Project Reserve
GRASS	Greenways to Rivers Arterial Stormwater System
GRIP	Groundwater Reliability Improvement Program
GRRPs	Groundwater Replenishment Reuse Projects
GRRR	Groundwater Recharge Reuse Regulations
GSA	Groundwater Sustainability Agency
GSA	General Services Administration
GSD	General Services Department
GSI	Green Stormwater Infrastructure
GSIS	Groundwater System Improvement Study
GSP	Groundwater sustainability Plan
GWAM	Groundwater Augmentation Model
GWI	groundwater infiltration
GWR	groundwater replenishment
GWRP	Groundwater Replenishment Project
GWRS	Groundwater Replenishment System
Harbor	Los Angeles Outer Harbor
HAWPF	Hyperion Advanced Water Purification Facility
HB	Hollywood Basin
HCF	hundred cubic feet
HEC-RAS	Hydrologic Engineering Center River Analysis System
HGS	Harbor Generation Station
HMA	Hazard Mitigation Assistance
HMGP	Hazard Mitigation Grant Program

Abbreviation	Description
hp	horsepower
HP	high pressure
HPE	high pressure effluent
HPO	high purity oxygen
HPO-AS	high purity oxygen-activated sludge
HRSG	heat recovery steam generators
HRT	hydraulic retention time
HSA	Hyperion Service Area
HSEPS	Hyperion Secondary Effluent Pump Station
HSR	California High-Speed Rail Authority
HSR	high-speed rail
HTP	Hyperion Treatment Plant
HUD	Housing and Urban Development
HVAC	heating, ventilating and air conditioning
HWRP	Hyperion Water Reclamation Plant
I&C	instrumentation and controls
I/I	inflow and infiltration
I-5	Interstate 5
IBC	International Building Code
IC/ID	illicit connection/illicit discharge
ID	identification number
IDF	intensity, duration, and frequency
IEBL	Inland Empire Brine Line
IEPR	independent external peer review
IFAS	integrated fixed-film activated sludge
IFR	Integrated Feasibility Report
IFWO	interflow volume
in	inch/inches
in/hr	inch/inches per hour
in/yr	inch/inches per year
IOU	investor-owned water utilities
IPCC	Intergovernmental Panel on Climate Change
IPLS	In-Plant Lift Station
IPR	indirect potable reuse
IPS	intermediate pump station
IRP	integrated resources plan
IRWD	Irvine Ranch Water District
IRWMP	Integrated Regional Water Management Plan
IU	industrial user
IWMD	Industrial Waste Management Division
IWP	Industrial Wastewater Permit

Abbreviation	Description
IWR	Integrated Water Resources
J7	Jurisdiction 7
JWPCP	Joint Water Pollution Control Plant
klb/day	kilopounds per day
kW	kilowatt
kWh/AF	kilowatts hour per acre-foot
kWh/year	kilowatts per year
LA	Los Angeles
LA River	Los Angeles River
LAA	Los Angeles Aqueduct
LAAFP	Los Angeles Aqueduct Filtration Plant
LABOE	Los Angeles Bureau of Engineering
LABSS	Los Angeles Bureau of Street Services
LACC	Los Angeles Convention Center
LACDPH	Los Angeles County Department of Public Health
LACDPR	Los Angeles County Department of Recreation and Parks
LACDPW	Los Angeles County Department of Public Works
LACFCD	Los Angeles County Flood Control District
LACSD	Los Angeles County Sanitation District
LADBS	Los Angeles Department of Building Safety
LADCP	Los Angeles Department of City Planning
LADOT	Los Angeles Department of Transportation
LADPW	Los Angeles Department of Public Works
LADWP	Los Angeles Department of Water and Power
LAFCO	Local Agency Formation Commission
LAGSD	Los Angeles Department of General Services
LAGWRP	Los Angeles-Glendale Water Reclamation Plant
LAMC	Los Angeles Municipal Code
LAMP	Landside Access Modernization Program
LAR	Los Angeles River
LAR Watershed	LA River Watershed
LARAP	Los Angeles Department of Recreation and Parks
LARCC	Los Angeles River Cooperation Committee
LARiverWorks	Los Angeles RiverWorks Office
LARRMP	Los Angeles River Revitalization Master Plan
LARWQCB	Los Angeles Regional Water Quality Control Board
LASAN	Los Angeles Sanitation
LATC	Los Angeles Trailer and Container Intermodal Facility
LAUSD	Los Angeles Unified School District
LAWA	Los Angeles World Airports
LAWINS	Los Angeles Wastewater Integrated Network System

Abbreviation	Description
LAX	Los Angeles International Airport
LAZTF	Los Angeles Zoo Treatment Facility
lbs	pounds
lbs/day	pounds per day
lbs/hr	pounds per hour
lbs/hr/sq ft	pounds per hour per square foot
lbs/LOX/hr	pounds per liquid oxygen per hour
lbs/sq ft/d	pounds per square foot per day
LCIS	La Cienega Interceptor Sewer
LCP	local control panels
LCSFVRS	La Cienega-San Fernando Valley Relief Sewer
LEED	Leadership in Energy and Environmental Design
LFD	low flow diversion
LFTF	low flow treatment facilities
LID	low impact development
LIU	local industrial user
LLARRMP	Lower Los Angeles River Revitalization Master Plan
LMU	Loyola Marymount University
LNOS	Lower North Outfall Sewer
LOCA	localized constructed analogs
LORP	Lower Owens River Project
LOX	liquid oxygen
LP	low pressure
LPE	low pressure effluent
LPP	locally preferred plan
LSI	Langlier's Saturation Index
LSPC	Load Simulation Program in C+
LSS	Life Support Systems
LT	long-term
LVMWD	Las Virgenes Municipal Water District
M	million
MAR	marine habitat
Max TDS	maximum TDS
MBAS	methylene blue-activated substances
MBBR	moving bed biofilm reactor
MBfR	membrane biofilm reactors
MBM	Mass Balance Model
MBR	membrane bioreactor
MBT	Mass Balance Tool
MCC	motor control center
MCL	maximum contaminant level

Abbreviation	Description
MCMs	minimal control measures
MCP	master control system
MdR	Marina del Rey
Metro	Metropolitan Transportation Authority
Metropolitan	Metropolitan Water District of Southern California
MF	membrane filtration
MF	microfiltration
MF/UF	microfiltration/ultrafiltration
MG	million gallons
MG/yr	million gallons per year
mg/L	milligrams per liter
mg/yr	milligrams per year
mgd	million gallons per day
MGY	million gallons per year
MH	manhole
MHHW	mean higher high water
mi	miles
MICLA	Municipal Improvement Corporation of Los Angeles
mL	milliliter
MLE	Modified Ludzack Ettinger
m/L	milliliter per liter
MLLW	mean lower low water
MLSS	mixed liquor suspended solids
mm	millimeter
mm/yr	millimeters per year
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MOV	most open valve
MPN	most probable number
MS4	Municipal Separate Storm Sewer System
MSC	Midfield Satellite Concourse
MSL	mean sea level
MU	MIKE URBAN software
MUN	municipal and domestic supply
MVA	megavolt amperes
MW	megawatt
MWD	Metropolitan Water District
MWD	Municipal Water District
MWELO	Model Water Efficient Landscape Ordinance
MWRA	Massachusetts Water Resources Authority
N ₂	nitrogen gas

Abbreviation	Description
N/A	not applicable
NACWA	National Association of Clean Water Agencies
NaOCl	sodium hypochlorite
NaHSO ₃	sodium bisulfite
NAS	National Adaptation Strategy
NAVD88	North American Vertical Datum of 1988
NCB	North Central Basin
NCDC	National Climatic Data Center
NCOS	North Central Outfall Sewer
NDEA	nitrosodiethylamine
NdeN	nitrification and denitrification
NDMA	nitrosodimethylamine
NDN	nitrification/denitrification
NDPA	nitrosopropylamine
NEIS	North East Interceptor Sewer
NEPA	National Environmental Policy Act
NER	National Ecosystem Restoration
NF	nanofiltration
NFF	National Forest Foundation
NFHL	National Flood Hazard Layer
NFIP	National Flood Insurance Program
NFPA	National Fire Protection Association
ng/L	nanograms per liter
NGO	non-government organization
NH ₃ -N	ammonia nitrogen
NH ₄ OH	ammonia hydroxide
NHIS	North Hollywood Interceptor Sewer
NIS	nature-inspired system
NLs	Notification Levels
NO ₂ -N	nitrite
NO ₃ -N	nitrate
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NORS	North Outfall Relief Sewer
NOS	North Outfall Sewer
NOX	nitrogen oxide
NPCC	New York City Panel on Climate Change
NPDES	National Pollutant Discharge Elimination System
NPR	non-potable reuse
NRC	National Research Council
NRCS	Natural Resources Conservation Service

Abbreviation	Description
NRDC	Natural Resources Defense Council
NSF	National Sanitary Foundation
NSFHAs	non-special flood hazard areas
NT	near-term
NTU	nephelometric turbidity unit
NWRI	National Water Research Institute
NYCDEP	New York City Department of Environmental Protection
O&M	operations and maintenance
O ₃ /BAF	ozone with biologically active filters
OCSD	Orange County Sanitation District
One Water LA	One Water LA 2040 Plan
OOC	Office of Operator Certification
Organic-N	organic nitrogen
ORP	oxidation-reduction potential
OSTFs	on-site treatment facilities
OWLA	One Water Los Angeles
OWTS	onsite wastewater treatment systems
P3	Public/Private Partnerships
PA	Public Assistance Grant Program
PAC	powder activated carbon
PAC	process air compressors
PACE	Property Assessed Clean Energy
PAYGO	Pay-As-You-Go
PBL	Planbureau voor de Leefomgeving (Netherlands Environmental Assessment Agency)
PCE	tetrachloroethylene (perchloroethylene)
pCi/L	picocuries per liter
PDM	Pre-Disaster Mitigation
PDWF	peak dry weather flow
PE	primary effluent
PEIR	Programmic Environmental Impact Report
Permit	Industrial Wastewater Permit
PIPP	Public Information and Participation Program
Plan	One Water LA 2040 Plan
pLAn	Sustainable City pLAn
PLC	programmable logic controller
POLA	Port of Los Angeles
POLB	Port of Long Beach
POTW	Publicly Owned Treatment Works
ppm	parts per million
ppmvd	parts per million by volume, dry basis

Abbreviation	Description
Precip.	Precipitation
Project	Recycled Water Case Study
Prop O	Proposition O
PROW	Public Right-of-Way
psi	pounds per square inch
psig	pounds per square inch gauge
PSPS	Primary Sludge Pump Station
PVC	polyvinyl chloride
PWWF	peak wet weather flow
QA/QC	quality assurance/quality control
QSF	quality surcharge fee
R&R	replacement and rehabilitation
RAA	Reasonable Assurance Analysis
RAP	Los Angeles Department of Recreation and Parks
RAS	return activated sludge
RCH	Rios Clementi Hale
RCLD	replacement cost less depreciation
RCP	reinforced concrete pipe
RCP	Representative Concentration Pathways
RDI/I	rainfall dependent inflow and infiltration
REC-1	Water Contact Recreation
RIVER	Riparian via Varied Ecological Reintroduction
RFP	Request for Proposal
RM	River Mile
RO	reverse osmosis
ROW	right-of-way
RPA	Request for Public Assistance
RW	recycled water
RW	reclaimed water
RWAG	Recycled Water Advisory Group
RWC	recycled water contribution
RWLs	receiving water limitations
RWMP	Recycled Water Master Plan
RWQCB	Regional Water Quality Control Board
RWQCB-LA	Los Angeles Regional Quality Water Control Board
SARI	Santa Ana River Interceptor
SAT	soil aquifer treatment
SAWPA	Santa Ana Watershed Protection Authority
SBR	sequencing batch reactor
SCADA	supervisory control and data acquisition
SCAG	Southern California Association of Governments

Abbreviation	Description
SCAQMD	South Coast Air Quality Management District
SCAR	Sewer Capacity Availability Review
Scattergood	Scattergood Generating Station
SCCB	Southern California Continental Borderland
scfm	standard cubic feet per minute
SCMP	Stormwater Capture Master Plan
SCR	selective catalytic reduction
SCWC	Southern California Water Committee
SD	standard deviation
SD	storm drain
SDWA	Safe Drinking Water Act
SE	semi-elliptical
SFB	San Fernando Basin
SFEM	Sewer Flow Estimation Model
SFHAs	special flood hazard areas
SFV	San Fernando Valley
SG	spreading ground
SGS	Scattergood Generating Station
SIO	Scripps Institution of Oceanography
SIP	street-end interface points
SIP	sewer infiltration and inflow prevention
SIP	Stormwater Improvement Program
SIU	significant industrial user
SLR	sea level rise
SLRAP	Sea Level Rise Action Plan
SMART	Sewer Monitoring and Routing Terminal
SMB	Santa Monica Bay
SMB J2/3	Santa Monica Bay Jurisdictions 2 and 3
SMB J7	Santa Monica Bay Jurisdiction 7
SMB WMA	Santa Monica Bay Watershed Management Area
SMBBB	Santa Monica Bay Beaches Bacteria
SMCL	secondary maximum contaminant level
SMURRF	Santa Monica Urban Runoff Recycling Facility
SNMP	Salt and Nutrient Management Plans
SO ₂	sulfur dioxide gas
SOD	sediment oxygen demand
SOP	Standard Operating Procedure
SOR	surface overflow rate
SPAC	Stormwater Pollution Abatement Charge
SPCC	Spill Prevention, Control, and Countermeasure
sq ft	square feet

Abbreviation	Description
sq mi	square miles
SRES	Special Report on Emission Scenarios
SRT	solids retention time
SS	suspended solids
SSC	sewer service charge
SSMP	Sewer System Management Plan
SSO	sanitary sewer overflow
STG	Special Topics Group
STG	steam turbine generator
SURO	sum of surface outflow
SUSMP	Standard Urban Stormwater Mitigation Plan
SUSTAIN	System for Urban Stormwater Treatment and Analysis Integration
SVI	sludge volume index
SW	stormwater
SWD	side water depth
SWF	Service Water Facility
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
SWRF	Southwest Water Reclamation Facility
SWTP	surface water treatment plant
T0	Future Terminal 0
TBD	to be determined
TBIT	Tom Bradley Internatinonal Terminal
TCE	trichloroethylene
TDH	total dynamic head
TDS	total dissolved solids
THM	trihalomethane
TI	Terminal Island
TIRE	Terminal Island Renewable Energy
TISA	Terminal Island Service Area
TIWRP	Terminal Island Water Reclamation Plant
TLF	truck loading facility
TM	Technical Memorandum
TMDL	total maximum daily load
TN	total nitrogen
TNC	The Nature Conservancy
TOC	total organic carbon
tpd	tons per day
TPL	Trust for Public Land
TSS	total suspended solids

Abbreviation	Description
TUa	acute toxic unit
TUc	chronic toxic unit
UCLA	University of California Los Angeles
UF	ultrafiltration
ULAR	Upper Los Angeles River
ULARA	Upper Los Angeles River Area
ULSFO	ultra-low sulfur fuel oil
UPRS	Uniform Project Reporting System
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation
USC	University of Southern California
USDA	United States Department of Agriculture
USGS	U.S. Geological Survey
UV	ultraviolet
UV/AOP	ultraviolet advanced oxidation process
UV/NaOCl	ultraviolet irradiation/sodium hypochlorite
UWMP	Urban Water Management Plan
VAPP	Venice Auxiliary Pumping Plant
VCP	vitricified clay pipe
VFA	volatile fatty acids
VFD	variable frequency drive
VOC	volatile organic compounds
VORS	Valley Outfall Relief Sewer
VPP	Venice Pump Plant
VS	Valley Springs
VSL	Valley Spring Lane
VSL/FA	Valley Spring Lane/Forman Avenue
WARM	Existing Warm Freshwater Habitat
WARN	Water/Wastewater Agency Response Network
WAS	waste activated sludge
WASTF	Waste Activated Sludge Thickening Facility
Water IRP	2006 Water Integrated Water Resources Plan
WBMWD	West Basin Municipal Water District
WBPC	Water Body Pollutant Combination
WCB	West Coast Basin
WCBBP	West Coast Basin Barrier Project
WCIP	Wastewater Capital Improvement Plan
WDRs	Waste Discharge Requirements
WESD	Wastewater Engineering Services Division
West Basin	West Basin Water Recycling Facility
WET	wetland habitat

Abbreviation	Description
WETS	Water Engineering and Technical Services
WHIS	Wilshire-Hollywood Interceptor Sewer
WIFIA	Water Infrastructure Finance and Innovation Act
WIIN	Water Infrastructure Improvement for the Nation Act
WILD	Existing Wildlife Habitat
WLA	waste load allocation
WLA	West Los Angeles
WLAIS	West Los Angeles Interceptor Sewer
WMA	Watershed Management Area
WMMS	Watershed Management Modeling System
WMP	Watershed Management Programs
WPD	Watershed Protection Division
WQ	Water Quality
WQBELs	water quality-based effluent limits
WQCMPUR	Water Quality Compliance Master Plan for Urban Runoff
WQO	water quality objectives
WRAMPS	Watershed Reporting Adaptive Management and Planning System
WRD	Water Replenishment District
WRF	water reclamation facility
WRP	water reclamation plant
WRP	Water Recycling Project
WRS	Westwood Relief Sewer
WS	Water Supply
WTP	Water Treatment Plant
wtpd	wet tons per day
WW	wastewater
WWFP	Wastewater Facilities Plan
WWPOP	Wet Weather Preparedness and Operation Plan
WWTP	wastewater treatment plant
WY	water year
yd ³	cubic yards

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GUIDING PRINCIPLES REPORT

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CITY OF LOS ANGELES • ONE WATER LA 2040 PLAN
Guiding Principles Report

May 4, 2015



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Introduction to One Water LA 2040 Plan

The One Water LA 2040 Plan (One Water LA) is a comprehensive planning process designed to increase sustainable water management for the City of Los Angeles (City). One Water LA is building on the success of the City's Water Integrated Resources Plan, adopted in 2006.

1.1 Los Angeles Water Integrated Resources Plan

In 1999, the City embarked on an unprecedented new approach for sustainable water resources management called the Water Integrated Resources Plan (Water IRP). This planning effort sought to accomplish two main goals: (1) integrate wastewater facilities planning with stormwater, recycled water and water conservation with a planning horizon from 2005 to 2020; and (2) enlist public stakeholders in the entire planning process. Adopted by the City in 2006 and widely supported by public stakeholders, the Water IRP included: capital improvement programs for wastewater and stormwater; an initial recycled water master plan; a financial plan; and a programmatic environmental impact report. The Water IRP and its implementation resulted in a number of substantial successes for the City:

- ▶ Deferment of large wastewater capital projects due to changes in water demand, totaling over \$500 million, as a result of the “go-if-triggered” adaptive management process included in the IRP;
- ▶ Public support and passage of the City's Proposition O, a \$500 million bond to fund multipurpose water quality and stormwater management projects—leading to projects such as the South LA Wetlands, Echo Lake Restoration, LA Zoo porous pavement, and multiple green streets initiatives;
- ▶ Creation of the Recycled Water Advisory Group and completion of detailed Recycled Water Master Planning documents with the goal of reducing imported water reliance by almost 60,000 acre-feet per year;
- ▶ Development of a Groundwater Replenishment Project that will use highly purified water treated at the Donald C. Tillman Water Reclamation Plant to recharge up to 30,000 acre-feet of water per year into the San Fernando groundwater basin—which is expected to be operational by 2022; and
- ▶ Increased levels of water conservation from programs such as high-efficiency clothes washer and high-efficiency toilet rebates, and turf replacement with California-friendly landscaping—which has resulted in today's water demands being substantially lower than they were in the 1970's despite a growth of over one million more people in the City.

In This Section

- ▶ Los Angeles Water Integrated Resources Plan
- ▶ One Water LA 2040



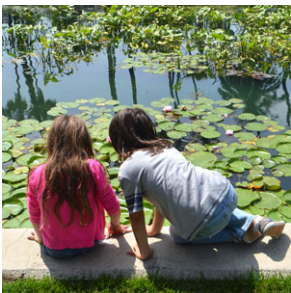


The Water IRP has won numerous state and national awards for excellence, including the 2007 Grand Prize for Planning Award from the American Academy of Environmental Engineers and Scientists, and the 2011 U.S. Water Prize from the U.S. Water Alliance.

1.2 One Water LA 2040

One Water LA is building on the success of the 2006 Water IRP, while also addressing a number of emerging challenges and new conditions. These include:

- ▶ Reduced water demands and wastewater flows from increased levels of water conservation;
- ▶ Chronic and more severe droughts, reduced reliability of imported water supply, and rising prices of imported water from Metropolitan Water District of Southern California;
- ▶ Climate change, which is impacting the state's snow pack and long-term availability of imported water to Los Angeles, stresses on local ecosystems, greater risks of localized flooding, and sea-level rise which could impact critical water infrastructure near the coast; and
- ▶ A newly adopted (2012) Municipal Separate Storm Sewer System (MS4) permit for Los Angeles County that allows municipalities to develop a more integrated approach for meeting Total Maximum Daily Loads (TMDLs) of stormwater discharges, which will be achieved through Enhanced Watershed Management Plans.



To address these challenges and new conditions, the planning horizon for One Water LA was extended to the year 2040. One Water LA also set out to increase levels of stakeholder involvement and interactions by casting a wider net for public participation and engaging all City departments and relevant regional agencies in the development of this plan.



One Water LA is being developed in two phases. Working closely with public stakeholders, Phase 1 developed a vision for the plan, a set of objectives, and guiding principles. Phase 1 also strengthened interactions among City departments and regional agencies by having dedicated focus meetings on water management.

Phase 2 will involve more detailed planning and policy analyses, in coordination with currently on-going plans from the City's Los Angeles Sanitation (LASAN) and Los Angeles Department of Water and Power (LADWP). This phase will include updated wastewater and stormwater capital improvement programs, and recommended policies and procedures for increased coordination and integration of water between all City departments.



Stakeholder Process

With a goal of increasing and widening stakeholder involvement, Phase 1 of One Water LA had five levels of interactions (see **Figure 1**). Core to the stakeholder process were the interactions between the Steering Committee, Inter-Department/Agency Focus Meetings, and Stakeholder Advisory Group meetings. These core interactions provided direction and content to the Public Stakeholder Workshops. The Public Stakeholder Workshops helped inform the Public Outreach at large.



Figure 1. Phase 1 Stakeholder Process

In This Section

- ▶ Steering Committee
- ▶ Inter-Department/ Agency Coordination
- ▶ Stakeholder Advisory Group
- ▶ Public Stakeholder Workshops
- ▶ Public Outreach





2.1 Steering Committee

An inter-departmental/agency Steering Committee was established to guide the development of One Water LA. Although this committee mostly consisted of City departments, several regional agencies participated as well. The current Steering Committee members are shown below:

Table 1. Summary of Steering Committee Meetings

Meeting/Summary
<p>Meeting 1: February 26, 2014</p> <ul style="list-style-type: none"> ▶ Background and overview of One Water LA ▶ Relationship to 2006 IRP ▶ Stakeholder invitees ▶ Preliminary Vision Statement
<p>Meeting 2: April 15, 2014</p> <ul style="list-style-type: none"> ▶ Planning baseline ▶ Achieving greater innovation, integration and inclusion ▶ Revised Vision Statement and Draft Objectives ▶ Agenda for Stakeholder Workshop #1
<p>Meeting 3: October 15, 2014</p> <ul style="list-style-type: none"> ▶ Debrief on Stakeholder Workshop #1 ▶ Departmental report outs on water management strategies and how they can be better integrated
<p>Meeting 4: January 8, 2015</p> <ul style="list-style-type: none"> ▶ Draft Guiding Principles ▶ Draft Phase 2 Scope ▶ Updates on department/agency water strategies

One Water LA Steering Committee Members

- ▶ Barbara Romero (*Former Board of Public Works Commissioner*)
- ▶ Adel Hagekhalil (*Department of Public Works, LA Sanitation*)
- ▶ Ali Poosti (*Department of Public Works, LA Sanitation*)
- ▶ Wing Tam (*Department of Public Works, LA Sanitation*)
- ▶ Doug Walters (*Department of Public Works, LA Sanitation*)
- ▶ Lenise Marrero (*Department of Public Works, LA Sanitation*)
- ▶ Troy Ezeh (*Department of Public Works, LA Sanitation*)
- ▶ Eliza Jane Whitman (*Department of Public Works, LA Sanitation*)
- ▶ Bill Van Wagoner (*Department of Water and Power*)
- ▶ Bob Sun (*Department of Water and Power*)
- ▶ Penny Falcon (*Department of Water and Power*)
- ▶ Serge Haddad (*Department of Water and Power*)
- ▶ Carol Armstrong (*Mayor's LA River Office*)
- ▶ Mike Sarullo (*Department of Public Works, Bureau of Engineering*)
- ▶ Robert Gutierrez (*Department of Public Works, Bureau of Street Services*)
- ▶ Domenico Barbato (*Department of Building and Safety*)
- ▶ Hagu Solomon-Cary (*Department of City Planning*)
- ▶ Daniel Rodriguez (*General Services Department*)
- ▶ Craig Raines (*Department of Recreation and Parks*)
- ▶ Tomas Carranza (*Department of Transportation*)
- ▶ Darryl Pon (*Los Angeles Zoo*)
- ▶ Robert Freeman (*Los Angeles World Airports*)
- ▶ Chris Brown (*Port of Los Angeles*)
- ▶ Talal Balaa (*Los Angeles Unified School District*)
- ▶ Christos Chrysiliou (*Los Angeles Unified School District*)
- ▶ Stephen Patchan (*Southern California Association of Governments*)
- ▶ Cris Liban (*Metropolitan Transportation Authority*)
- ▶ Michelle Boehm (*High-Speed Rail*)
- ▶ Patty Watanabe (*Caltrans*)
- ▶ Stephen Box (*Department of Neighborhood Empowerment*)

Since the inception of One Water LA in early 2014, the Steering Committee has met four times. The meetings are summarized in **Table 1** on the left.



2.2 Inter-Department/Agency Focus Meetings

During the Phase 1 of One Water LA, members of LASAN and LADWP staff conducted focus meetings to discuss water management strategies with all of the City departments and most of the regional agencies shown in **Figure 2**. These meetings were particularly important given the Mayor’s Executive Directive Number 5 calling for increased levels of water sustainability. **Table 2** summarizes the topics discussed in these meetings.

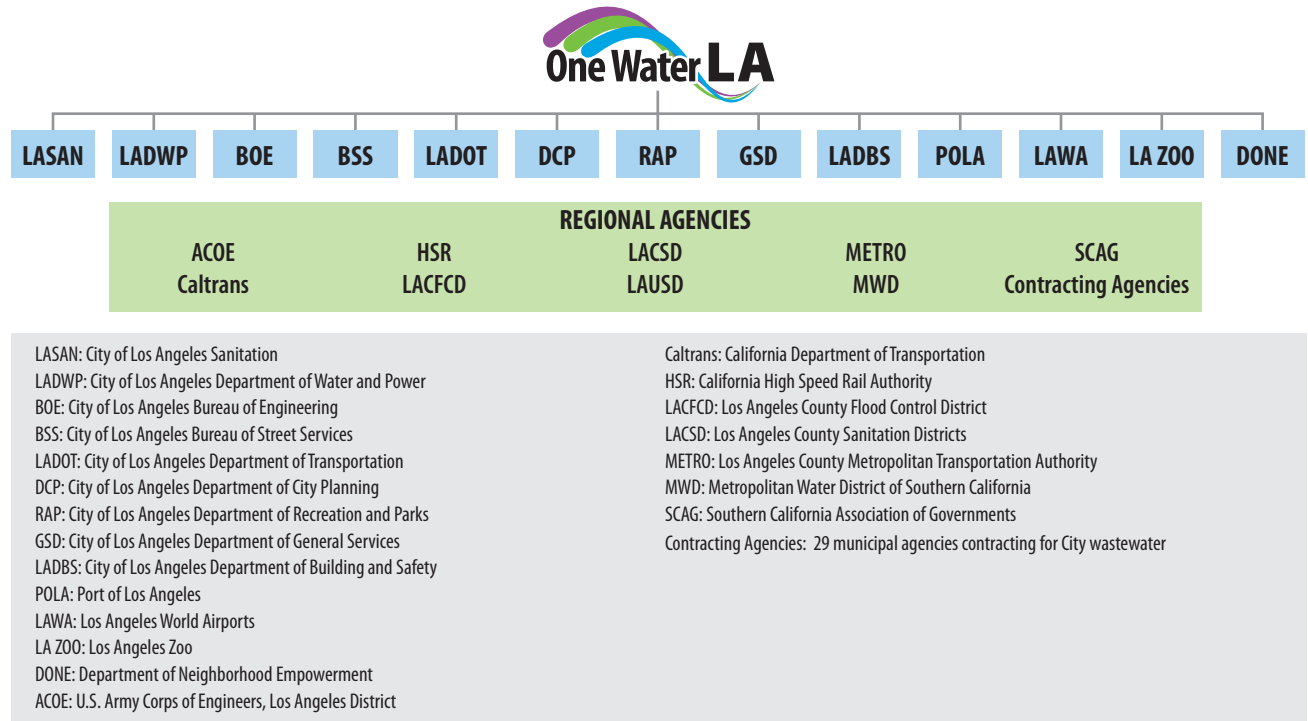


Figure 2. Inter-Department/Agency Coordination

Table 2. Summary of Inter-Department/Agency Meetings

Meeting	Meeting Summary
1	<p>Mayor’s LA River Office (Formerly BOE’s LA River Office): Aug 20, 2014</p> <ul style="list-style-type: none"> ▶ One Water LA will look to provide support for LA Greenway 2020 and the US Army Corps Arbor Study. ▶ There is a need to identify funds for LA Greenway by 2015. ▶ A goal for the LA River Office is to create world class designs (e.g. stormwater capture, infiltration, wifi hot spots) to connect missing LA Greenway path segments. ▶ Priority LA River projects are focused in the Valley. ▶ The City will look to respond to all future Council Motions in a collaborative, succinct manner.
2	<p>Department of City Planning (DCP): Sep 4, 2014</p> <ul style="list-style-type: none"> ▶ City Planning is currently in the first year of a 5-year comprehensive Zoning Code rewrite. ▶ As a result of the meeting, One Water LA is currently reviewing standard mitigation measures in CEQA that would apply to One Water projects. ▶ As a result of the meeting, One Water LA will look to provide policy directions on water mitigation measures, parking lots, open space, etc. to include in the rewrite of the Zoning Code. ▶ There was a discussion on tracking the installation of graywater systems. ▶ There was a discussion on determining the most cost-effective way to drop water use that had to do with less lawn irrigation.





Meeting	Meeting Summary
3	<p>Metropolitan Transportation Authority (METRO): Sep 17, 2014</p> <ul style="list-style-type: none"> <li>▶ The “Water Action Plan” puts together all policies related to water for LA Metro. <li>▶ The Water Action Plan contains 18 major strategies for Bus Divisions. <li>▶ Metro is currently using Reverse Osmosis water for bus washes and railroad washes & they intend to switch to recycled water. <li>▶ Metro wants to move forward retrofitting existing facilities while ensuring that new projects confirm with Reauthorization Bill (Map 21). <li>▶ Metro is looking to implement permeable pavement in many of their transit properties. <li>▶ Metro is willing to become more involved with EWMP for stormwater capture projects. <li>▶ A concern for Metro is dealing with O&M costs for landscapes and greenways (e.g. 2-mile greenway adjacent to the Orange Line).
4	<p>Department of Transportation (LADOT): Sep 18, 2014</p> <ul style="list-style-type: none"> <li>▶ LADOT is assisting the City Planning Department with the update of the Transportation (Mobility) Element in the City’s General Plan. <li>▶ LADOT specializes in transportation related improvements and they rely on other Departments (e.g. BSS, BOE, LA SAN) for the review of any subsurface elements and to inject green-street type elements into LADOT–led improvement designs. <li>▶ LADOT’s main concern is the cost ramification for incorporating One Water elements into new and existing LADOT projects since most of these projects are grant funded with fixed budgets. <li>▶ LA Metro (LADOT’s primary source of funding) awards more points for projects that include sustainable and green elements. <li>▶ LADOT’s Parking Division manages all City-owned surface parking lots and often partners with private developments to develop mixed-use land uses on these lots. One Water LA will look to support LADOT by injecting water resources management best practices into all future Joint Development Agreements.
5	<p>General Services Department (GSD): Oct 1, 2014</p> <ul style="list-style-type: none"> <li>▶ GSD receives loans from LADWP to retrofit City-owned buildings. <li>▶ GSD is currently working on a Turf Replacement Project and Rec & Parks will work with GSD to maintain the irrigation system. <li>▶ GSD is developing a long term plan to implement “smart irrigation” at a significant number of City-owned buildings. <li>▶ GSD is aware that there is potential for recycled water use if DWP purple pipes are within the vicinity of City-owned buildings. <li>▶ There was a consensus that construction projects should prioritize LEED points for water efficiency and energy savings. <li>▶ GSD is looking to establish a Customer Aware Program to inform customers of their water use. <li>▶ Having sufficient staff to perform routine maintenance for approx. 950 City-owned buildings is a concern.
6	<p>Recreation & Parks Department (RAP): Oct 2, 2014</p> <ul style="list-style-type: none"> <li>▶ RAP’s Forestry Division has removed 580 trees (out of 337,000) due to drought stress. <li>▶ RAP strives for 20-30% reduction of turf in new & retro parks. <li>▶ Since 2007 development has saved approximately 2.4 billion gallons of water. <li>▶ Recycled water is currently being used for six golf courses and it will be added to three additional courses. <li>▶ Newly constructed and renovated facilities will now have water efficient devices. <li>▶ RAP has figured out a balance between algae and aquatic weeds to address circulation and pest issues in RAP lakes. <li>▶ There is concern regarding the burden of O&M for Prop O Projects. <li>▶ Every playground has an underground drain sump to capture stormwater. <li>▶ Graywater use is being considered for several parks (e.g. Debs Park, Nursery at Griffith Park).



Meeting	Meeting Summary
7	Department of Building & Safety (LABSD): Oct 6, 2014 <ul style="list-style-type: none">▶ The City's Plumbing Code is aligned with the State Code.▶ There was discussion about the complexity surrounding Blackwater Systems (e.g. solids disposal, permitting, and health issues).▶ There was a long discussion on the pros and cons for installing graywater systems.▶ Approximately 1% of City residents have permits for graywater systems since a large majority of graywater systems do not require permits ("Laundry-to-Landscape") which makes tracking graywater systems a challenge.
8	Port of Los Angeles (POLA): Oct 16, 2014 <ul style="list-style-type: none">▶ Port of LA (POLA) landscape facilities and construction sites use the most water on their properties.▶ POLA is working with LADWP on the San Pedro Water Front Project to install a recycled water pipeline.▶ POLA is continually looking for ways to capture & infiltrate stormwater wherever they can.▶ POLA is open to leading a citywide department Climate Change Committee, which would be an ADHOC Committee to One Water LA.▶ POLA continually conducts sea-level rise analysis to determine potential impacts to their facilities.▶ POLA is looking into monitoring water use at their terminals.▶ As a result of the meeting, One Water LA will look to touch base with the Emergency Management Department to determine what steps can be taken to help plan for climate change.
9	High-Speed Rail Authority (HSR): Nov 4, 2014 <ul style="list-style-type: none">▶ High-Speed Rail (HSR) has an estimated budget of \$68 billion.▶ HSR wishes to establish a Water Policy that other Agencies could follow.▶ One Water LA will look for opportunities to assist HSR that could include: 1) providing water for dust mitigation during construction projects and 2) capturing stormwater for irrigation at HSR Station locations (e.g. Palmdale & Burbank).▶ HSR is open to the idea of using recycled water for their construction projects if there is a reasonable source.▶ HSR is willing to write a letter of support for the One Water LA Program.
10	Bureau of Engineering (BOE): Nov 10, 2014 <ul style="list-style-type: none">▶ The Bureau of Engineering (BOE) incorporates low flow fixtures and waterless urinals in their designs for new buildings.▶ BOE is implementing sustainable projects with Prop O (e.g. new parks).▶ The possibility of using recycled water at fire stations was discussed but BOE indicated that there is almost no landscaping at fire stations.▶ BOE currently does not have plans and specs for residents for turf removal since artificial turf is not standardized.▶ The Federal Emergency Management Agency (FEMA) is responsible for revising BOE floodplain maps and approximately 2,000 parcels were added to their now current floodplain map.▶ BOE indicates who falls into a specific floodplain.
11	Los Angeles World Airports (LAWA): Nov 12, 2014 <ul style="list-style-type: none">▶ Los Angeles World Airports (LAWA) has an interest in obtaining a recycled water hydrant for a concrete plant off of Sepulveda Boulevard that will be constructed in next 6 months.▶ LAWA did an overview of their environmental activities which included recycled water uses. Plumbing for recycled water has been done for their new terminal.▶ LAWA discussed other opportunities where they could save water which includes runway wash downs. Wash downs occur every 3 days. There is a buildup from the tires of the airplanes that accumulates and the buildup is approximately half an inch thick. If residue isn't washed down, friction decreases.▶ LAWA is willing to review recycled water opportunities throughout the site, increase drought tolerant landscape, incorporate stormwater capture BMPs, one site in particular they mentioned is one of their large parking lots to the South East of LAX.





Meeting	Meeting Summary
12	<p>Los Angeles Zoo (LA ZOO): Dec 2, 2014</p> <ul style="list-style-type: none"> ▶ LA Zoo indicated that they would like to have computer based irrigation similar to Rec & Parks. ▶ LA Zoo is considering having a future garden with more drought tolerant plants. ▶ In conjunction with the General Services Department, LA Zoo puts in waterless urinals and low flow toilets in their facilities. ▶ A discussion took place regarding the use of recycled water in the Zoo and LA Zoo indicated that testing would need to be done on a regular basis to show that recycled water is safe for animals (U.S. Department of Agriculture will have to approve). ▶ As a result of the Mayor's Executive Directive #5, LA Zoo is relooking at their current Master Plan for opportunities to save potable water. ▶ LA Zoo is willing to capture rainwater runoff from barns and roofs within the Zoo. ▶ LA Zoo water consumption has reduced from years ago. ▶ LA Zoo is open to the idea of marketing One Water LA and informing their customers on the importance of water conservation.
13	<p>Southern California Association of Governments (SCAG): Dec 10, 2014</p> <ul style="list-style-type: none"> ▶ Southern California Association of Governments (SCAG) conducts population projections for six Counties in Southern California (approximately 191 cities in the Region). ▶ SCAG's Regional Transportation Plan & Sustainability Community Strategy focus on reducing greenhouse gas (GHG) emissions. ▶ A discussion took place regarding GHG produced due to imported water and the possibility for potentially working together with One Water to address GHG due to imported water. ▶ SCAG has a Sustainability Grant Program that has several components and one of the areas that is funded includes local governments implementing good water practices. ▶ SCAG's Active Transportation & Special Programs intends to increase the amount of transits which would result in: <ol style="list-style-type: none"> 1) fewer cars on streets, 2) less street paving, and 3) increased stormwater capture opportunities.
14	<p>Los Angeles Unified School District (LAUSD): Jan 14, 2015</p> <ul style="list-style-type: none"> ▶ The Los Angeles Unified School District (LAUSD) has been working with the State Water Resources Control Board on the Drought Outreach Program for Schools (DROPS). ▶ LAUSD's Office of Environmental Health & Safety is trying to build a curriculum based on education regarding climate change. ▶ LAUSD has a program focused in the City of LA where they conduct outreach to students and facilities to reduce water consumption. ▶ LADWP provides funding to LAUSD to retrofit urinals and toilets. ▶ LAUSD uses approximately 2.5 billion gallons of water annually (Over 13,000 buildings with over 600,000 students). ▶ LAUSD has reduced their water use approximately 40% by applying some Best Management Practices (BMPs). ▶ LAUSD is looking to maintain green areas throughout their sites with water efficient sprinkler systems. ▶ LAUSD indicated that they are willing to use reclaimed water wherever possible for new projects. ▶ LAUSD is open to working with LASAN on Enhanced Watershed Management Plan efforts.



Meeting	Meeting Summary
15	California Department of Transportation (Caltrans): Jan 21, 2015 <ul style="list-style-type: none">▶ Caltrans District 7 has 8,000 acres of landscaped and thus irrigated land in LA & Ventura County, which includes 53 Cities.▶ Caltrans is currently under the Governor's Proclamation which is to reduce water consumption by 20%.▶ Caltrans is willing to use recycled water if the recycled water line is in the State's Right-Of-Way.▶ Caltrans has the following requirements for their roadways: 1) Irrigation mandated to decrease by 50%, and 2) NPDES state permit (stormwater).▶ Caltrans Landscape Architects are only able to fund plant replacement every 20 years.▶ District 7 received a \$5M grant in 2014 from the State to replace and upgrade their irrigation equipment (grant funds weather-based/smart controllers).▶ District 7 is working on a Stormwater Study (Corridor Study) to evaluate stormwater capture opportunities by looking at impervious/pervious pavements.▶ It was mentioned that all of Caltrans parking lots will be owned and managed by MTA.▶ Water conservation activities for Caltrans primarily involve finding leaking water pipes attached to bridges.
16	Department of Neighborhood Empowerment (DONE): Feb 4, 2015 <ul style="list-style-type: none">▶ Empower LA does strategic plans, budgets and outreach strategies with Neighborhood Councils (NCs) –Total of 96 NCs in the City of Los Angeles.▶ The purpose of Empower LA is to engage the public and work through NCs.▶ Empower LA provided input on several tools and strategies that can be used by the One Water LA Core Team to spread the message of the One Water LA Plan to a vast amount of City residents.▶ Other strategies to increase public awareness and education for all water resources issues were also discussed (e.g. YouTube videos, social media, etc.).
17	Metropolitan Water District (MWD): Feb 17, 2015 <ul style="list-style-type: none">▶ Discussed importance of One Water LA given severity of current drought.▶ MWD is updating its Integrated Resources Plan and would like One Water LA to be incorporated and coordinated with.▶ Possibility of MWD representative sitting on One Water LA Steering Committee.▶ Possibility of MWD increasing its local resources program funding to accommodate strategies from One Water LA.
18	Bureau of Street Services (BSS): Mar 12, 2015 <ul style="list-style-type: none">▶ BSS has already started converting to drought tolerant plants and recycled water in medians per Executive Directive # 5.▶ BSS is working with BOE on parkway guidelines and developing standards for artificial turf.▶ BSS has policies in place for drought tolerant landscaping.▶ BSS likes to partner with Non-Governmental Organizations (NGOs) and other groups for landscape maintenance however if the NGO doesn't have the resources or ceases to exist, BSS remains liable.▶ BSS tries to reconfirm the availability of recycled water by reviewing recycled water lines once a year.▶ Conversations took place regarding the installation of fill stations (purple hydrants) for Non-Profits to water City trees primarily in the Valley where trees have poor survival rates. BSS would also use fill stations for BSS yards and RAP facilities.▶ One Water LA will assist BSS in determining what is needed to incorporate credits for stormwater BMPs into the MTA grant application process since MTA is the primary source for BSS funding.

In many cases, these meetings represented the first time that a coordinated LASAN/LADWP team met with other department/agency staff to discuss water sustainability. This inter-department/agency coordination will continue throughout Phase 2 of One Water LA.



Table 3. Summary of Stakeholder Advisory Group Meetings

Meeting/Summary

Meeting 1: October 9, 2014

- ▶ Vision statement and draft objectives
- ▶ Format for Stakeholder Workshop #2 and Breakout Sessions

Meeting 2: December 3, 2014

- ▶ Phase 1 and 2 project schedule
- ▶ Finalize vision statement and objectives
- ▶ Debrief on Stakeholder Workshop #2

Meeting 3: January 13, 2015

- ▶ Draft Guiding Principles
- ▶ Project schedule update

Meeting 4: February 11, 2015

- ▶ Revised Draft Guiding Principles, aligned to objectives
- ▶ Preparation for Stakeholder Workshop #3

2.3 Stakeholder Advisory Group

To allow for more frequent interaction with public stakeholders, a Stakeholder Advisory Group was formed. Advisory Group members were solicited by open invitation with the goal of selecting up to 8 members who could commit to monthly meetings, as needed, and would participate regularly throughout the process. The One Water LA City team wanted to make sure that Stakeholder Advisory Group had good representation in terms of interests, geography within the City, and levels of past participation in other water-related stakeholder processes. The members of the Stakeholder Advisory Group are shown below.

One Water LA Stakeholder Advisory Group

- ▶ Carolyn Casavan (*Sherman Oaks Neighborhood Council*)
- ▶ Jack Humphreville (*Greater Wilshire Neighborhood Council*)
- ▶ Ken Murray, MD (*Providence St. Joseph Medical Center*)
- ▶ David Nahai (*David Nahai Companies*)
- ▶ Mike O’Gara (*Sun Valley Area Neighborhood Council*)
- ▶ Veronica Padilla (*Pacoima Beautiful*)
- ▶ Alexander Robinson (*USC School of Architecture*)
- ▶ Melanie Winter (*The River Project*)

During Phase 1 of One Water LA, the Stakeholder Advisory Group met four times, and the meeting topics are summarized in **Table 3** at left.



2.4 Public Stakeholder Workshops

At the core of One Water LA Phase 1 public inclusion process were three stakeholder workshops. Workshop participants exchanged information, and shared values and perspectives. Each workshop was professionally facilitated to ensure that information was provided in an open and transparent manner, and that the dialogue between stakeholders and City staff was conducted in a respectful and honest tone.

Starting with stakeholder lists of prior City stakeholder processes—including the 2006 Water IRP, Recycled Water Advisory Group, Enhanced Watershed Management Plans, and other related water efforts—missing representation in terms of interest groups and geographical areas were identified. Outreach events, summarized in Section 2.5, were used to identify the additional stakeholders for One Water LA. Over 200 organizations and individuals, including neighborhood councils, non-government organizations, business associations, homeowner associations, academia, public agencies, and other interest groups formed the current One Water LA stakeholder outreach list (see **Appendix A** for full list of stakeholders).

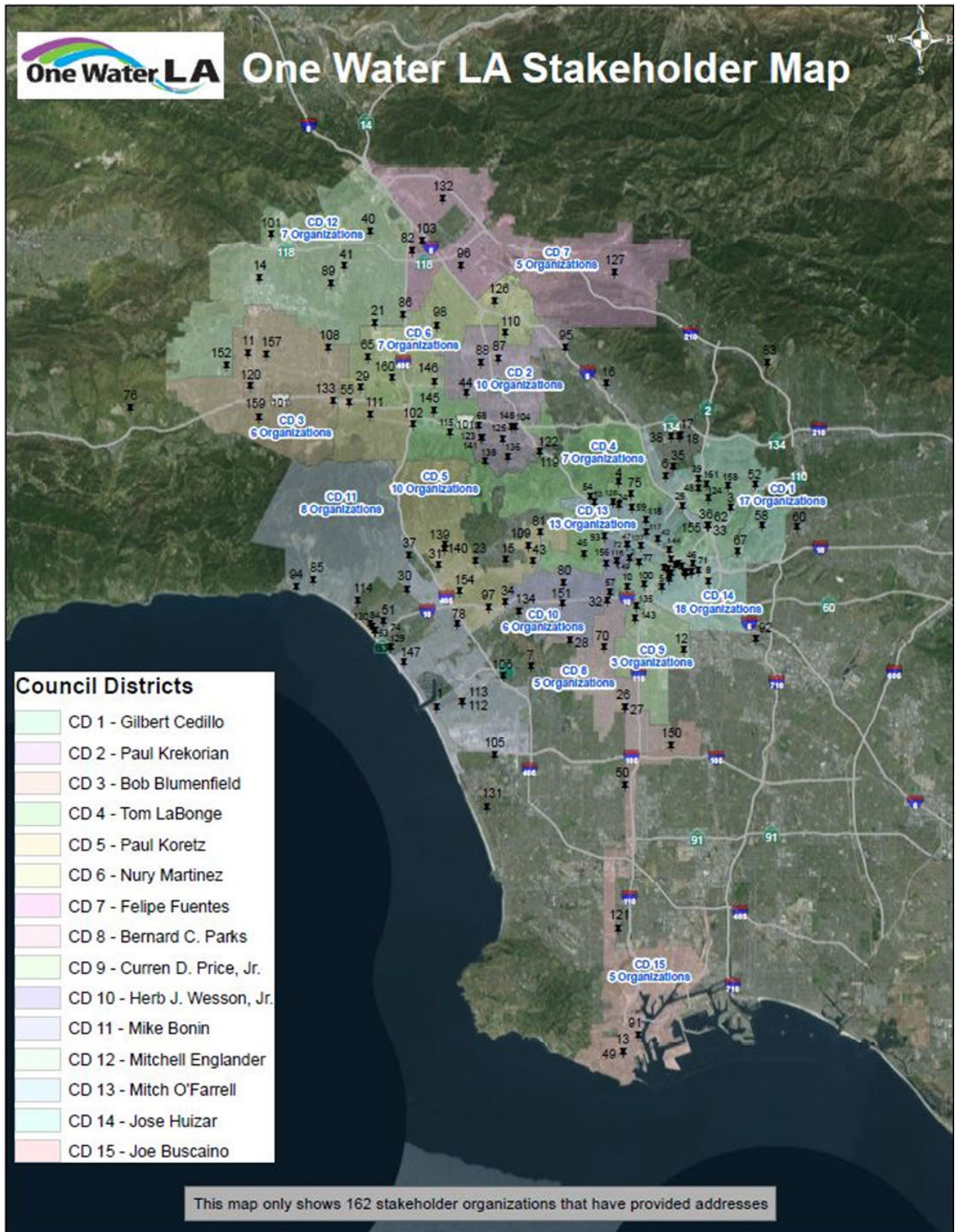


Figure 3. Map of Stakeholder Organizations



Table 4. Summary of Public Stakeholder Workshops

Meeting/Summary

Meeting 1: May 21, 2014

- ▶ Discussion of Stakeholder desires for One Water LA
- ▶ Overview of One Water LA and relationship to 2006 IRP
- ▶ Discussion of Draft Vision Statement and Objectives
- ▶ Presentation of Planning Baseline

Meeting 2: November 6, 2014

- ▶ Overview of Mayor's Executive Directive 5 on water sustainability
- ▶ Stakeholders participate into two rounds of smaller breakout sessions to discuss strategies centered around four topics: water supply, watershed health, climate change, and economic/financial

Meeting 3: March 5, 2015

- ▶ Recap of One Water Phase 1
- ▶ Presentation of two City department water management strategies
- ▶ Comments from Stakeholder Advisory Group
- ▶ Review and Discussion of Draft Guiding Principles

Figure 3 (on the previous page) shows the number of stakeholder organizations by City Council District for those organizations that provided a physical address so they could be mapped (162 vs. 200+).

Stakeholders were advised weeks in advance of the date, location, time and topics for the three workshops held at LASAN's Media Center in Los Angeles. **Table 4** at left presents the summary of the three public stakeholder workshops.

2.5 Public Outreach

In addition to the stakeholder workshops and advisory group meetings, LASAN and LADWP have participated in over two dozen outreach meetings and conferences (see **Table 5**).

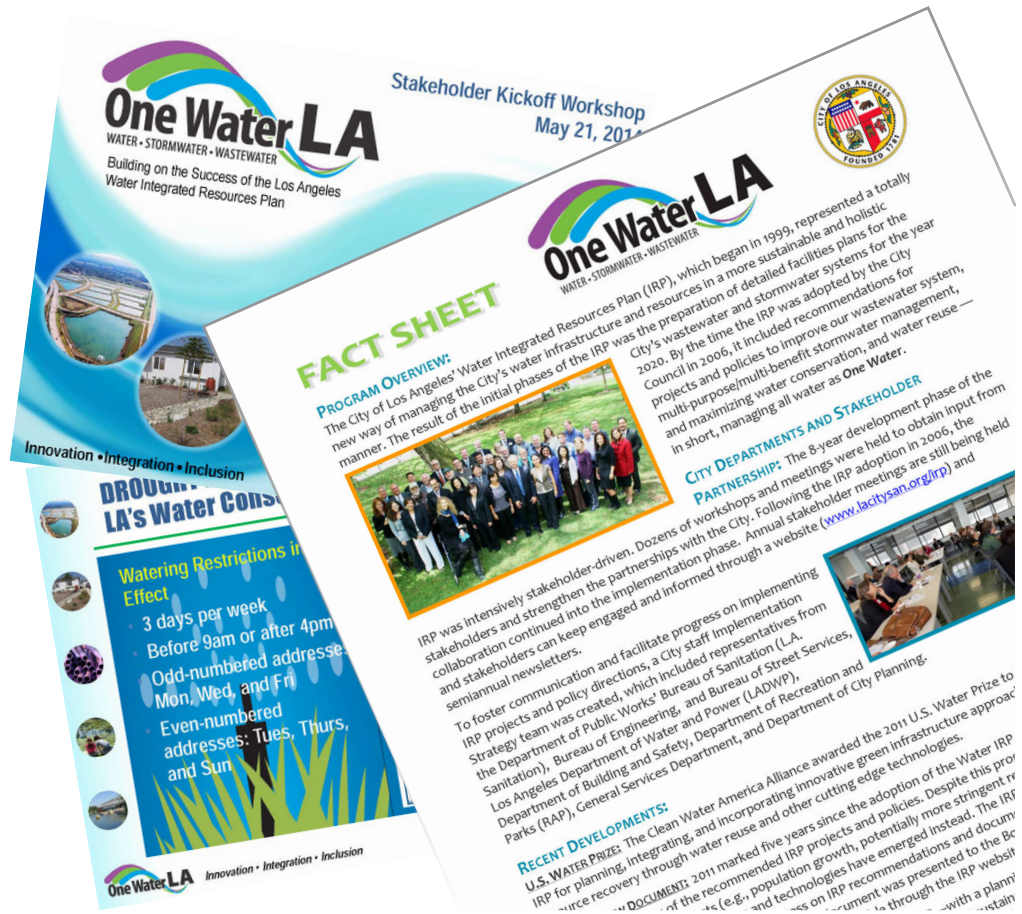
To support this public outreach, fact sheets, other outreach materials, and a website (onewaterla.org) were developed. These materials and website will be refined and expanded upon during Phase 2 of One Water LA.

Table 5. Summary of Outreach Activities and Events

No.	Outreach Activity	Date
1	2013 One Water Leadership Summit	9/23/2013
2	2013 Annual Congress of Neighborhood Councils	9/28/2013
3	2013 LA Green Festival	10/20/2013
4	Greater Toluca Lake Neighborhood Council - Recycled Water Presentation	1/21/2014
5	GWR and RWAG presentation for the Sierra Club - Angeles Chapter: Water Committee	2/12/2014
6	RW Presentation to Los Angeles Neighborhood Council Coalition (LANCC)	3/1/2014
7	Greater Toluca Lake Neighborhood Council Environmental Affairs Committee Meeting - Recycled Water Follow Up	3/6/2014
8	RW and One Water LA 2040 Presentation to Lake Balboa Neighborhood Council	4/2/2014
9	Mar Vista Community Council - Presentation regarding RWAG Consensus Statement	4/8/2014
10	Grayburn Avenue Block Club Presentation	4/19/2014
11	2014 MWD Green Expo	5/1/2014
12	2014 WorldFest	5/18/2014
13	Studio City Residents Association - Recycled Water Presentation	7/8/2014
14	MOU Neighborhood Council Oversight Committee Meeting	8/2/2014
15	Recycled Water Presentation to Valley Alliance of Neighborhood Councils (VANC)	8/14/2014
16	East Hollywood Neighborhood Council	9/15/2014
17	2014 Annual Congress of Neighborhood Councils	9/20/2014
18	GTLNC EAC Presentation - Greater Toluca Lake Neighborhood Council Environmental Affairs Committee Meeting	10/2/2014
19	Westside Regional Alliance of Councils (WRAC) Land Use Planning Committee presentation	10/5/2014
20	Greater Wilshire NC: Recycled Water Presentation	10/8/2014
21	North Hollywood West Neighborhood Council - Executive Meeting	11/10/2014
22	North Hollywood West Neighborhood Council - General Board Meeting	11/19/2014
23	Mid City Neighborhood Council Presentation	12/8/2014



No.	Outreach Activity	Date
24	Westchester Rotary Club Lunchtime Presentation	12/10/2014
25	Pacific Palisades Community Council Presentation	1/8/2015
26	Sun Valley Area Neighborhood Council Recycled Water Presentation	2/10/2015
27	Valley Advisory Council - Presentation on Recycled Water and SCMP Fran Pavley	3/6/2015
Recurring Outreach Activities		
1	Silver Lake Improvement Association	
2	Upper LA River Integrated Regional Water Management Program Meetings	
3	Green LA Coalition Water Committee Meeting	Monthly
4	Green Streets Meetings	
5	Enhanced Watershed Management Program Meetings	Monthly
6	Water Wise Expo	3/29/2015
7	Los Angeles Basin Section of California Water Environment Association	
8	WaterReuse Conferences	3/15-3/17/2015
9	VerdeXchange Conferences	
10	Professional Architect & Landscape Architect Practitioners Assembly Events	4/9/2015





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SECTION 3

Vision, Objectives and Guiding Principles

In many cases, plans start with identifying technical solutions to solving problems and then move towards ranking those solutions in order to arrive at a preferred implementation strategy. A unique aspect of One Water LA was to first solicit stakeholder input on answering three fundamental questions before undertaking any technical analyses:

1. *What is our overall purpose?*
2. *What are we trying to accomplish?*
3. *How will we get it done successfully?*

If these questions remain unresolved, participants in the planning process may not agree on the appropriate measures needed to achieve success. However, when these questions are answered at the beginning of a planning process, they can help identify common ground among stakeholders, build consensus and achieve long-lasting advocacy—as was the case with the City’s Water IRP in 2006.

Through a structured participatory process, One Water LA stakeholders provided essential input in answering the three fundamental questions—which in turn formed the basis of the plan’s vision, objectives and guiding principles.

3.1 Vision Statement

A vision statement defines the overall purpose of an effort or plan. It describes what stakeholders aspire to accomplish in the broadest terms. A vision statement sets the course for future decisions and actions and is sometimes described as the “North Star” of the planning process. The vision statement for One Water LA reads as follows:

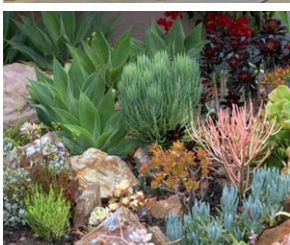
One Water LA is a collaborative approach to develop an integrated framework for managing the City’s water resources, watersheds, and water facilities in an environmentally, economically and socially beneficial manner.

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.

In This Section

- ▶ Vision Statement
- ▶ Objectives
- ▶ Guiding Principles





3.2 Objectives

Objectives describe the major goals of a plan in clear and easily understood terms. Together with the vision statement, objectives provide a picture of what constitutes success. Furthermore, clearly stated objectives can form the basis for developing evaluation criteria against which potential choices and actions can be compared. The objectives developed for One Water LA are as follows:

1. **Integrate management of water resources and policies** by increasing coordination and cooperation between City departments, partners and stakeholders.
2. **Balance environmental, economic, and societal goals** by implementing affordable and equitable projects and programs that provide multiple benefits to all communities.
3. **Improve health of local watersheds** by reducing impervious cover, restoring ecosystems, decreasing pollutants in our waterways, and mitigating local flood impacts.
4. **Improve local water supply reliability** by increasing capture of stormwater, conserving potable water, and expanding water reuse.
5. **Implement, monitor, and maintain a reliable wastewater system** that safely conveys, treats and reuses wastewater, while also reducing sewer overflows and odors.
6. **Increase climate resilience** by planning for climate change mitigation and adaptation strategies in all City actions.
7. **Increase community awareness and advocacy for sustainable water** by active engagement, public outreach and education.

3.3 Guiding Principles

Guiding principles provide a path forward on how each of the objectives will be achieved. They offer clear direction on desired actions, based on stakeholder values and preferences. They support the accomplishment of objectives with additional specificity regarding both desired acceptable means and direction. The guiding principles for One Water LA are intended to “guide” the development of more detailed planning and policy that will take place during Phase 2; but are not intended to define specific targets or mechanisms for project implementation.

The development of One Water LA guiding principles was intentionally a long process. Several rounds of internal discussions and stakeholder engagement took place to ensure that the principles reflected multiple viewpoints and contained a balance among various interests. The guiding principles are shown in **Table 6**, aligned to each of the seven objectives for One Water LA.

**Table 5. One Water LA Guiding Principles Aligned to Objectives**

Objective	Guiding Principles
<i>Integrate management of water resources and policies by increasing coordination and cooperation between City departments, partners and stakeholders.</i>	<ul style="list-style-type: none"> ▶ Build on the success of the City’s Water Integrated Resources Plan and other Mayor and City Council supported water resources plans to advance water sustainability. ▶ Recognize that water is integral to the actions of City departments and create a framework for integration and collaboration between departments and City Hall. ▶ Enhance the coordination and partnerships with regional water, transportation, education and other public agencies. ▶ Engage elected officials and governing boards to support coordination and cooperation to promote integrated management of water resources and policies. ▶ Enhance coordination with Non-Governmental Organizations, Neighborhood Councils, and other stakeholders to inform integrated planning and broaden community involvement. ▶ Understand the water balance that summarizes rainfall, runoff, water demands, wastewater flows, and ocean discharges to consider the potential for stormwater capture, water conservation and reuse. ▶ Continue coordination between City Departments during construction of the City’s infrastructure.
<i>Balance environmental, economic, and societal goals by implementing affordable and equitable projects and programs that provide multiple benefits to all communities.</i>	<ul style="list-style-type: none"> ▶ Evaluate a “no action” alternative that considers imported water costs, regulatory requirements, water supply reliability, infrastructure reliability, climate change, and other associated risks. ▶ Develop a transparent process that identifies opportunities for inter-departmental collaboration and cost-sharing based on benefits that are aligned with departmental missions. ▶ Analyze financial merits of programs using standard financial methodologies. ▶ Emphasize multi-benefit projects based on measures of social, environmental and economic benefits. ▶ Partner with academia and private interests to advance measurement of social and environmental benefits and to evaluate new technologies. ▶ Incorporate environmental justice into decision-making on where projects are implemented and focus on increasing benefits in underserved communities. ▶ Consider water demands, supply availability, population, regulatory requirements, climate vulnerability, and environmental goals to establish triggers, where appropriate, to plan, implement and/or defer projects. ▶ Explore private, local, state and federal funding opportunities to implement multi-benefit projects.
<i>Improve health of local watersheds by reducing impervious cover, restoring ecosystems, decreasing pollutants in our waterways, and mitigating local flood impacts.</i>	<ul style="list-style-type: none"> ▶ Emphasize upstream solutions in order to mitigate downstream impacts, challenges and costs. ▶ Support strategies included in LASAN’s Enhanced Watershed Management Program (EWMP) Plans and look for opportunities to integrate with LADWP’s Stormwater Capture Master Plan, Bureau of Engineering’s Flood Management Plan, Green Streets Program, and related updates in order to improve water quality, ecosystem restoration and flood mitigation. ▶ Align Mayor or City Council supported plans and projects for the Los Angeles River and other significant tributaries within the City with watershed health and other water resources goals. ▶ Support multi-purpose strategies for reducing impacts of localized flooding, with an emphasis on natural systems and green infrastructure over traditional gray infrastructure.





Objective	Guiding Principles
<p>Improve local water supply reliability by increasing capture of stormwater, conserving potable water, and expanding water reuse.</p>	<ul style="list-style-type: none"> ▶ Support recommendations from LADWP’s Stormwater Capture Master Plan, LASAN’s EWMP Plans, and related updates to increase stormwater capture for water supply. ▶ Consider findings from LADWP’s Water Conservation Potential Study and related updates to reduce the City’s demand for potable water. ▶ Improve water sustainability, including water efficiency, water reuse, and stormwater capture, at City facilities and buildings. ▶ Explore the use of graywater systems and develop appropriate guidelines for implementation. ▶ Support recommendations from the City’s Recycled Water Master Planning Documents and related updates to increase non-potable reuse; and indirect potable reuse; and conduct necessary technical, scientific and regulatory evaluations for assessing the potential for direct potable reuse. ▶ Recognize the importance of remediating and maintaining the health of the City’s groundwater basins and consider recommendations of LADWP’s groundwater program.
<p>Implement, monitor, and maintain a reliable wastewater system that safely conveys, treats and reuses wastewater, while also reducing sewer overflows and odors.</p>	<ul style="list-style-type: none"> ▶ Optimize the use of existing City assets and infrastructure and explore opportunities for distributed solutions in order to safely convey, treat and reuse wastewater. ▶ Optimize water reuse from the City’s wastewater system, with particular emphasis on the Hyperion Wastewater Treatment Plant. ▶ Optimize recovery and use of nutrients from wastewater and biosolids, and recovery and use of biogases. ▶ Seek ways to operate wastewater treatment plants with energy independence.
<p>Increase climate resilience by planning for climate change mitigation and adaptation strategies in all City actions.</p>	<ul style="list-style-type: none"> ▶ Identify citywide metrics for greenhouse gas emissions and climate change adaptation and mitigation that are used to assess project viability. ▶ Consider water-energy-land use nexus (climate adaptation) in the City’s General Plan and development zones. ▶ Raise the priority of water issues in relevant City plans that impact sustainability, climate adaptation/resiliency, and emergency preparedness. ▶ Maximize available state funding and explore financial incentives to reduce greenhouse gas emissions and increase resiliency. ▶ Coordinate with regional agencies on water-related climate change mitigation and adaptation strategies.
<p>Increase community awareness and advocacy for sustainable water by active engagement, public outreach and education.</p>	<ul style="list-style-type: none"> ▶ Explore strategies on how to increase public awareness and education for all water resources issues, with a specific focus on influencing individual behaviors around water use. ▶ Expand on current public education programs for water to include climate change impacts and importance of mitigation, adaptation and resiliency. ▶ Communicate to neighborhood councils, community groups, and other stakeholders the water related roles, responsibilities, functions, and success stories of each City department. ▶ Empower communities and citizens to implement distributed (parcel-scale) solutions within their control to help achieve water sustainability objectives.





Appendix A
One Water LA Stakeholder Organizations

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One Water LA Stakeholder List

No.	Organization	# of Stakeholders
1	Alliance for a Regional Solution to Airport Congestion	1
2	American Festivals*	1
3	Apartment Association of Greater Los Angeles	1
4	Arroyo Seco Neighborhood Council	1
5	Arthur Golding & Associates	1
6	Asian Pacific Policy and Planning Council	1
7	Atwater Village Neighborhood Council	2
8	Baldwin Hills Conservancy	1
9	Boy Scouts*	1
10	Boyle Heights Neighborhood Council	1
11	CA Regional Water Quality Control Board*	1
12	California State Polytechnic University Pomona	1
13	Caltek	1
14	Canada Goose Project*	1
15	Canoga Park Neighborhood Council	2
16	Central Alameda Neighborhood Council	1
17	Central San Pedro Neighborhood Council	2
18	Chatsworth Neighborhood Council	1
19	Choice Organic Teas*	1
20	City of Beverly Hills - Water Technical Committee	1
21	City of Burbank - Public Works Department	1
22	City of Glendale - Public Works	1
23	City of Glendale - Water & Power	1
24	City of LA - Department on Disability	1
25	City of San Fernando - Public Works*	1
26	Civitas HS	1
27	Community Enhancement Services	1
28	Council for Watershed Health	4
29	David Nahai Companies	1
30	Earth Resources*	1
31	East Hollywood Neighborhood Council	1
32	EC North*	1
33	EcoBiz*	1
34	Elysian Valley Riverside Neighborhood Council	1
35	Empowerment Congress Central Area Neighborhood Development Council	1
36	Empowerment Congress Central*	1
37	Empowerment Congress Southwest Area Neighborhood Development Council	1
38	Empowerment Congress West Area Neighborhood Development Council	1
39	Encino Neighborhood Council	1
40	Environment Now	1
41	Environmental Outreach Strategies/Coalition for our Water Future	1
42	First African Methodist Episcopal Church - Assistance Corporation	1



One Water LA Stakeholder List

No.	Organization	# of Stakeholders
43	FoLAR	1
44	Food & Water Watch	3
45	Forest Lawn Memorial Park	1
46	Friends of the Los Angeles River	2
47	G3, Green Gardens Group	1
48	GEI Consultants, Inc.	1
49	Glassell Park Neighborhood Council	1
50	Granada Hills North Neighborhood Council	1
51	Granada Hills South Neighborhood Council	1
52	Greater Echo Park Elysian Neighborhood Council	1
53	Greater Los Angeles Association of Realtors	1
54	Greater Toluca Lake Neighborhood Council Environmental Committee*	1
55	Greater Valley Glen City Council	1
56	Greater Wilshire Neighborhood Council	1
57	Green LA Coalition	1
58	Green Lifestyles Network*	2
59	Greywater Action	1
60	Greywater Corps	1
61	Harbor City Neighborhood Council	1
62	Harbor Gateway North Neighborhood Council	2
63	Heal the Bay	2
64	Historic Highland Park Neighborhood Council	1
65	Hollywood Council*	1
66	Hollywood Studio District Neighborhood Council	3
67	Hollywood United Neighborhood Council	1
68	Homeowners of Encino	1
69	Hospitalist Company*	1
70	HSPNC Committee*	1
71	Information Technology Agency (ITA)	1
72	Kegel	1
73	LA 32 Neighborhood Council	1
74	LA Community Garden Council	1
75	LA County - Department of Public Works	1
76	LA Equine Advisory Committee	1
77	LA River Revitalization Corporation	2
78	LA Waterkeeper	1
79	LACMF	1
80	Lake Balboa Neighborhood Council	2
81	LAUSD Office of Environmental Health and Safety	1
82	Lawndale*	1
83	Lincoln Heights Neighborhood Council	2
84	Long Shadow Studio	1



One Water LA Stakeholder List

No.	Organization	# of Stakeholders
85	Los Angeles and San Gabriel Rivers Watershed Council*	1
86	Los Angeles Area Chamber of Commerce	1
87	Los Angeles City Council	1
88	Los Angeles County Metropolitan Transportation Authority (LACMTA)	1
89	Los Angeles Eco-Village	1
90	Los Angeles Food Policy Council	1
91	Los Angeles Water Keeper	1
92	Los Feliz Neighborhood Council	2
93	Lupin Hill School	1
94	MacArthur Park Neighborhood Council	1
95	Mar Vista Community Council	2
96	MCSW*	1
97	Metropolitan Water District of Southern California	1
98	Mid City Neighborhood Council	3
99	Mid City West Community Council	1
100	Mission Hill Neighborhood Council	4
101	Mono Lake Committee*	1
102	NASA Jet Propulsion Laboratories	1
103	NAT Area Neighborhood Development Council*	1
104	Natural Resources Defense Council	3
105	Neighborhood Council Sustainability Alliance	1
106	Nextdoor*	1
107	North Hills West Neighborhood Council	1
108	North Hollywood North East Neighborhood Council	2
109	North Hollywood West Neighborhood Council	1
110	Northridge East Neighborhood Council	2
111	Northridge West Neighborhood Council	1
112	Northwest San Pedro Neighborhood Council	1
113	NRDC*	1
114	O Green Solutions	1
115	Oriental Mission Church	1
116	Pacific Palisades Community Council- Area 1 Representative	1
117	Pacoima Neighborhood Council	1
118	Pacoima the Beautiful	2
119	Palms Neighborhood Council	1
120	Panorama City Neighborhood Council	3
121	Park Mesa Heights*	1
122	Parsons Brinckerhoff	1
123	Perfect Day Surf Camp*	1
124	Photographer*	1
125	Pico Union Neighborhood Council	1
126	Porter Ranch Neighborhood Council	1



One Water LA Stakeholder List

No.	Organization	# of Stakeholders
127	Potential Industries*	1
128	Proposition O Citizens Oversight Advisory Committee	1
129	Providence Holy Cross Medical Center	1
130	Providence St. Joseph Medical Center	1
131	Pure Pari*	1
132	R & R Partners	1
133	R Design Enterprises, INC	1
134	Rampart Village Neighborhood Council	3
135	Real Estate One*	1
136	Reseda Neighborhood Council	6
137	Resident/Employee*	1
138	Resources Legacy Fund	1
139	Retired Building Contractor	1
140	San Fernando Valley Audubon Society	1
141	Santa Monica Bay Restoration Commission	1
142	Santa Monica Bay Restoration Foundation\LA Waterkeeper	1
143	Santa Monica Canyon Civic Association/ PPCC	1
144	Sea Shepherd*	1
145	SeaLight Enterprises*	1
146	Sherman Oaks Neighborhood Council	3
147	Sierra Club - Water Committee	1
148	Silver Lake Improvement Association	1
149	Silver Lake Neighborhood Council	5
150	Silver Lake Reservoirs Conservancy	1
151	Sirkin Law Group	1
152	Society of Hispanic Professional Engineers (SHPE)	1
153	Sonce Alexander Gallery*	1
154	South Shores Homeowners Association*	1
155	Southern California Golf Association	1
156	Southern California Water Committee	1
157	Southern California Watershed Alliance	2
158	Studio City Neighborhood Council	3
159	Sun Valley Area Neighborhood Council	1
160	Sunland-Tujunga Neighborhood Council	2
161	Super Eco Kidz	1
162	Surfrider Foundation	2
163	Sustainable Law Group	1
164	Sustainable Works	1
165	Sylmar Neighborhood Council	3
166	Tarzana Neighborhood Council	2
167	Terracon*	1
168	Terry A. Hayes Associates, Inc.	1



One Water LA Stakeholder List

No.	Organization	# of Stakeholders
169	The Art of Living	1
170	The Green Fairy*	1
171	The Lab*	1
172	The River Project	2
173	The Ron Finley Project*	1
174	Trade Commissioner	1
175	Tree People	3
176	UCLA Department of Geography	1
177	UCLA Institute of the Environment and Sustainability	5
178	UCLA*	1
179	Upper Los Angeles River Area Watermaster	1
180	Urban Semillas	1
181	USC - Local Government Relations	1
182	USC School of Architecture, Landscape Architecture Program / Landscape Morphologies	1
183	Valley Industry and Commerce Association	1
184	Van Nuys Neighborhood Council	2
185	Venice Neighborhood Council	1
186	Walter Reed Middle School	1
187	Water Committee: Angeles Chapter Sierra Club	1
188	Watts Labor Community Action Committee	1
189	West Adams Neighborhood Council	1
190	West Hills Neighborhood Council	1
191	West LA\Malibu Chapter	1
192	Westside Neighborhood Council	1
193	Wildwoods Foundation	1
194	Wilshire Center-Koreatown Neighborhood Council	1
195	Winnetka Neighborhood Council	1
196	Women Organizing Resources Knowledge + Services (WORKS)	1
197	Woodland Hills Rotary	1
198	WorldFest	1
199	Xylem Inc	1
200	YALE*	1
201	Zero Waste Co.*	1
202	ZGF ARCHITECTS LLP	1
203	Unknown Affiliations and Individual Stakeholders (49 in total)*	49
Total		311

* No address provided, and thus not shown on Stakeholder Map (Figure 3).

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TM 18.1 – PUBLIC ENGAGEMENT PLAN

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Lead Author: Karen Snyder

CITY OF LOS ANGELES
TECHNICAL MEMORANDUM NO. 18.1
PHASE 2 – PUBLIC ENGAGEMENT PLAN

FINAL
October 2017



CITY OF LOS ANGELES
ONE WATER LA 2040 PLAN
TECHNICAL MEMORANDUM
NO. 18.1
PHASE 2 – PUBLIC ENGAGEMENT PLAN

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PHASE 2 – PUBLIC ENGAGEMENT PLAN

1.0 INTRODUCTION

This Public Engagement Plan establishes the stakeholder involvement programs for Phase 2 of the One Water LA Plan, managed by LA Sanitation in partnership with the Los Angeles Department of Water and Power. In Phase 1, productive stakeholder dialogue shaped the vision, goals, and guiding principles. For Phase 2, the intent is to continue the dialogue and provide input opportunities in planning tasks and studies, while also increasing and diversifying the stakeholders.

The Public Engagement Plan is organized into sections addressing the following:

- Background on the One Water LA Plan, including Phase 1 accomplishments and stakeholder involvement process, and the focus for Phase 2.
- Purpose and objectives for the Public Engagement Plan.
- General approach for stakeholder involvement in Phase 2.
- Tactics for increasing and diversifying stakeholder participation.
- Engagement program descriptions.
- Additional public involvement during environmental review.

The Public Engagement Plan provides the overall framework for the engagement programs, describing their intent, relationship to the engagement objectives, and how they fit together as part of the Phase 2 planning process. Because each engagement program has varying timelines, scale and effort, targeted participants and subject matter focus, implementation details will be developed in separate memos as needed. The Public Engagement Plan has been updated to reflect conditions as of September 1, 2016.

2.0 BACKGROUND

The City of Los Angeles is well underway in preparing the One Water LA Plan, an integrated approach for water supply, wastewater treatment, water conservation, and stormwater management. This integrated approach will yield sustainable, long-term water supplies for Los Angeles and greater resiliency to drought conditions and climate change. Moreover, the One Water LA Plan is an essential step in meeting the Mayor's Executive Directive to reduce the Department of Water and Power's purchase of imported water by 50 percent by 2025.

Preparation of the One Water LA Plan is occurring in two phases, managed by LA Sanitation in partnership with the Department of Water and Power. In Phase 1, the City created a highly effective and meaningful stakeholder engagement process, resulting in the primary building blocks for the One Water LA Plan: the vision, goals, and guiding principles. The process, summarized in the 2015 Guiding Principles Report, describes the integration of the following outreach programs:

- Inter-departmental/agency Steering Committee;
- Individual focus meetings with regional agencies and other City departments;
- Stakeholder advisory group with eight members;
- A series of three public stakeholder workshops;
- Presentations and updates at local conferences and forums in addition to meetings hosted by neighborhood councils and other community organizations; and
- One Water LA website and informational materials.

The City has initiated Phase 2, which will result in coordinated facility/capital improvement plans for wastewater, recycled water, stormwater, and urban runoff. Additional components include recommended policies and ordinances, funding strategies, and special studies to support implementation. While the Phase 2 effort pulls together prior studies, it also includes new analysis to inform integration strategies and priorities. Continuing and expanding the stakeholder involvement process from Phase 1 is essential.

3.0 PURPOSE AND OBJECTIVES

The purpose of this Public Engagement Plan is to establish the strategy and programs for continued stakeholder involvement in Phase 2 of One Water LA Plan preparation.

Importantly, the Public Engagement Plan revolves around achieving six objectives:

- Connect the One Water LA Plan Phase 2 recommendations to the Phase 1 vision, goals, and guiding principles, which reflect significant input from stakeholders.
- Continue to involve stakeholders in identifying ideas, asking questions, and providing feedback in the Phase 2 planning tasks, focusing input where there is greatest opportunity for shaping recommendations.
- Maximize the benefit of stakeholder input by aligning expertise and experience to focused subject matter discussions.
- Create partnerships and awareness to accelerate implementation of the One Water LA Plan.

- Increase the number of participants in Phase 2.
- Increase the diversity of stakeholders in Phase 2 in order to obtain better representation of the diversity of ideas, interests, and perspectives in communities across Los Angeles.

This Public Engagement Plan is one of two communications plans prepared for Phase 2 of the One Water LA Plan. The second is the Communication Plan, which has a complementary yet different focus from the Public Engagement Plan. The purpose of Communication Plan is to increase general awareness and understanding of the ongoing One Water LA program among stakeholders and the general public. The two communication plans differ in their implementation timing. The Public Engagement Plan supports the One Water LA Plan and its implementation. In contrast, the Communication Plan begins during the One Water LA Plan preparation process and will continue long after the One Water LA 2040 planning effort is completed. The Communication Plan includes more in-depth detail on outreach and engagement tactics and tools to support both public engagement and program communication.

4.0 APPROACH

Achieving the objectives set forth in Section 3 requires a comprehensive approach that serves as a coordinated framework for the engagement programs. Similar to Phase 1, a multipronged approach will be employed in Phase 2, where multiple engagement programs targeted for varied stakeholders and technical subjects will track simultaneously. Another important approach consideration for Phase 2 is synchronizing the involvement programs and dialogue topics with the planning tasks. This will yield timely input that can be meaningfully considered by the project team when formulating draft recommendations.

Furthermore, certain topics have been prioritized for stakeholder involvement in Phase 2. Input is welcomed and valued on all topics, but there is greatest opportunity for stakeholders to help shape and form these topics:

- Decentralized/Onsite Treatment,
- Stormwater and Runoff Management,
- Partnerships, Collaboration and Innovation,
- Funding and Cost-Benefit Analysis,
- Outreach and Communication, and
- Policies and Ordinances.

The diagram on the last page shows the engagement programs for Phase 2. As shown in the diagram, input from each program will directly feed to the project team for consideration during the completion of planning tasks. The approach for Phase 2 continues all of the engagement programs from Phase 1. Two new additions, the Special Topic Groups and Learning Sessions, will help achieve the objective to align stakeholders' expertise and experience with focused subject matter discussion. In all of the Phase 2 programs, greater attention will be given to increasing the diversity of participating stakeholders, consistent with the objective to achieve engagement and input of the full range of interests in Los Angeles.

Delivering the final One Water LA Plan by spring of 2017 requires completing most technical analysis and facility planning by late 2016. To maximize stakeholders' impact on Phase 2 tasks, the majority of the engagement programs will occur between November 2015 and January 2017.

5.0 STAKEHOLDER REPRESENTATION

As discussed above, a priority for Phase 2 is increasing the number and diversity of stakeholders participating in the engagement programs. While stakeholder participation in Phase 1 was strong, some perspectives and interests were underrepresented. Phase 2 provides the opportunity to work towards engaging the full range of Los Angeles stakeholders in shaping the One Water LA Plan. Following completion of the One Water LA Plan, long-term benefits from strengthening diverse stakeholders include new channels for disseminating information about One Water LA to communities in Los Angeles, and new partners and supporters for projects implementing the One Water LA Plan. This section addresses specific actions for expanding stakeholder representation.

Based on discussions with the project team, there are several key considerations for increasing the number and diversity of stakeholders in Phase 2:

- For many stakeholders, making a commitment to spend their limited time attending meetings, reading materials, etc. requires making it easy for stakeholders to participate, and instilling confidence that their input will make a difference in the planning outcomes.
- Creating involvement opportunities focused on specific planning topics and/or technical issues could make better use of stakeholders' limited time. Furthermore, the resulting input may be more useful to project team members in developing the One Water LA Plan recommendations.
- Stakeholders from different communities, professions, and lifestyles have varying availability to attend outreach programs. That is, programs on weekday afternoons may be optimal for some, and weekday evenings may be better for others. Options

for holding meetings, workshops and other programs at different times/days could increase participation.

- Outreach for the purpose of achieving greater stakeholder representation in Phase 2 of the planning process should focus on:
 - Geographic representation among the many communities and districts in the City; and
 - Representation from stakeholders previously less involved groups include local real estate development, commercial property management, commerce and business, agriculture, extraction industry, tourism, local government and elected officials, faith-based, education and academia, construction, architecture, large water users, environmental justice organizations and the health and medical industry.

Several actions, described below, will expand stakeholder involvement in Phase 2 of the One Water LA Plan. The actions generally focus on involving new stakeholders in particular programs. However, once the new participants are engaged in the process, they may join other programs. Just as important, the "multiplier" effect is anticipated, where new members tell other stakeholders about One Water LA, those people become involved and tell others, and so on. The programs addressed in the Communication Plan will also expand stakeholder involvement in Phase 2.

5.1 Expand Stakeholder Advisory Group

Three new members representing business and industry, academia and healthcare interests have been added to the Advisory Group. Timing: January 2016, before the first Advisory Group meeting of 2016.

5.2 Special Topic Groups and Learning Sessions

These two new programs will be added to Phase 2 to help increase and diversify stakeholder involvement in the One Water LA Plan. They will also allow the project team to tap into stakeholders' specialized knowledge and experience, and the input will be used to inform both the One Water Plan and implementation programs. Special Topic Groups will provide short series of meetings for stakeholders to discuss topics in greater depth than the discussions at the stakeholder workshops. Learning Sessions, held as single events, equip stakeholders with a deeper understanding of the One Water LA program and the One Water LA Plan studies, which will in turn deepen their level of engagement and contributions. Both programs are described in greater detail in the next section titled Outreach Programs.

5.3 Telephone Interviews with Underrepresented Stakeholders

Telephone interviews with stakeholders not previously engaged in One Water LA is an option to gauge their understanding of One Water LA, provide essential information, and assess which Phase 2 engagement programs best align with their availability and level of interest. Currently optional; timing to be determined.

Targeted stakeholder categories include:

- Real Estate Development,
- Commercial Property Management,
- Commerce and Business,
- Agriculture,
- Extraction Industry,
- Tourism,
- Local Government and Elected Officials,
- Faith-Based,
- Education and Academia,
- Construction,
- Architecture,
- Large Water Users, and
- Health and Medical Industry.

6.0 ENGAGEMENT PROGRAMS

This section provides descriptions of the engagement programs for Phase 2, including purpose, description, and timeline.

6.1 Steering Committee

6.1.1 Purpose

Build needed inter-department and inter-agency relationships to formulate and implement One Water LA projects as well as the One Water LA Plan, and solicit input from Steering Committee members that is informed by their public outreach on related projects.

6.1.2 Description

In 2014, the One Water LA team formed the inter-departmental/agency Steering Committee. It was established to guide the development of One Water LA. Although this committee mostly consists of City departments, several regional agencies participate, including Caltrans, High Speed Rail, Los Angeles Unified School District, Metropolitan Transportation Authority, and Southern California Association of Governments.

6.1.3 Timeline

Quarterly meetings.

6.2 Stakeholder Advisory Group

6.2.1 Purpose

Involve a consistent group, representing a diversity of community and stakeholder interests related to integrated water management in Los Angeles, in preparation of the One Water LA Plan.

6.2.2 Description

The Stakeholder Advisory Group played an instrumental role in formulating the basic building blocks for the One Water LA Plan during Phase 1 – the vision, goals, and guiding principles. The mission for Phase 2 is to expand upon the group's previous contributions by providing input to the ongoing planning efforts and on a variety of topics and issues that will benefit from a diverse set of stakeholder perspectives, ensuring decision-making that is responsive to the needs of Los Angeles and its citizens. The Stakeholder Advisory Group meetings will be professionally facilitated to ensure that the discussions are balanced and fair, information is provided in a transparent manner, and discussions stay focused and productive.

Agenda topics for the meetings scheduled through 2017 will synchronize with the tasks underway for One Water LA Plan preparation.

6.2.3 Timeline

Quarterly meetings through approximately August 2016; estimate monthly meetings from August through November 2016. A specific calendar of meeting dates and discussion topics will be developed separately.

6.3 Stakeholder Workshops

6.3.1 Purpose

Involve stakeholders in the Phase 2 planning process by continuing the workshops as forums for exchanging information, values, and perspectives; soliciting input on planning topics and issues; and developing partners who help widen the circle of involvement.

6.3.2 Description

The Stakeholder Workshops from Phase 1 involved more than 200 organizations and individuals, including neighborhood councils, non-government organizations, business associations, academia, public agencies, and other interested groups. Discussions focused on strategies for water supply, watershed health, climate change, and economic/financial considerations, as well as the draft guiding principles for the One Water LA Plan.

Agenda topics for the workshops scheduled through 2017 will synchronize with the tasks underway for One Water LA Plan preparation.

The Stakeholder Workshops will be led by a professional facilitator to ensure that discussions are balanced and fair, information is provided in a transparent manner, and discussions stay focused and productive. Furthermore, workshop formats will incorporate a variety of discussion activities, with the intent that more time is given to discussion and input than presentations.

Since inception, the Stakeholder Workshops have been held during the day on weekdays. Changing the schedule to weekday evenings or a Saturday morning could result in new and a greater diversity of attendees. However, given the momentum of the stakeholder workshops in Phase 1, there is risk of losing some attendees if the schedule is changed. Alternative schedules will be considered for the Special Topic Groups and Learning Sessions in order to broaden accessibility.

6.3.3 Timeline

Quarterly with potential for monthly meetings from August through January 2017. A specific calendar of meeting dates and discussion topics will be developed separate of this Public Engagement Plan.

6.4 Special Topic Groups

6.4.1 Purpose

Facilitate more focused stakeholder input on specific topics for the Phase 2 tasks and broader stakeholder representation.

6.4.2 Description

Special Topics Groups will be conducted for the following subjects: Decentralized/Onsite Treatment, Stormwater and Runoff Management, Partnerships, Collaboration and Innovation, Funding and Cost-Benefit Analysis and Outreach and Communication. At least three meetings are anticipated for each group. The majority of the same participants should attend each meeting in order for the group to be most effective. A member of the project team associated with the topic will manage the process for each group and facilitate the meetings. Discussion questions will be designed to generate input that the project team will consider in completing the planning recommendations germane to the topic. Project team members will also share results from studies and research during the meetings. In order to make involvement convenient for a diversity of stakeholders, meetings for each Special Topic Group will be scheduled according to the availability of participants.

6.4.3 Timeline

Each Special Topic Group will hold its first meeting by March 2016 with a total of three meetings planned for each group. Special Topic Group report outs will occur at scheduled Stakeholder Workshops.

6.5 Learning Sessions

6.5.1 Purpose

Deepen the level of involvement among stakeholders representing diverse interests and perspectives in Phase 2 of the One Water LA Plan.

6.5.2 Description

The Stakeholder Workshops are successful at exchanging information and obtaining input on goals, ideas, and issues on topics covered in the One Water LA Plan. However, the dialogue tends to be broad and general due to time constraints for the workshops. Newcomers also may not receive sufficient background information because agendas need to stay synchronized with the planning process.

To address these limitations of the Stakeholder Workshops, Learning Sessions will be conducted in parallel with the Stakeholder Workshops. Individual Learning Sessions may have different formats, but the general intent is for the project team to provide longer, more in-depth coverage of the highlighted subjects and reserve ample time for questions and discussion. The following Learning Sessions are currently planned, and others may be added as needs and interests evolve:

- One Water LA 101: Conduct a Learning Session designed for newcomers, focusing on the origins of the One Water LA program (the need, when established, who involved), One Water LA program activities to date, purpose, and role of the One Water LA Plan, process for preparing the plan, and stakeholder engagement.

- Water Balance Model: Conduct a Learning Session on the water balance model, focusing on the need, methodology, outputs and conclusions, and implications for recommendations in the One Water LA Plan.
- Based on stakeholder input and results of Special Topic Group discussions, identify additional topics of shared interest that are suited for the Learning Session format.

Holding each Learning Session at two different times, such as a weekday afternoon and a weekday evening, will create more engagement opportunities for people with varying availability and time commitments.

6.5.3 Timeline

To be determined based on schedule of One Water LA Plan development, and input from Special Topic Groups.

6.6 Focused Meetings

6.6.1 Purpose

Inform the public about the One Water LA Plan and its importance in addressing critical water resource needs and sustainability goals for the City, and expand engagement in the process.

6.6.2 Description

In Phase 1, the One Water LA project team made multiple presentations to neighborhood councils and other community organizations. The team also participated in local conferences addressing regional environmental sustainability and water resources and management. The presentations focused on introducing people to the One Water LA program and encouraging involvement. In Phase 2, the project team will continue seeking similar opportunities. Organizations and conferences targeted for presentations will be broadened to include stakeholders that have been thus far underrepresented, such as business and commerce, building and development, and commercial property management. Please refer to Section 5, Stakeholder Representation, for the complete list of new stakeholder categories that will be targeted during Phase 2.

6.6.3 Timeline

As needed, through completion of the final One Water LA Plan in 2017.

6.7 Technical Subgroups

6.7.1 Purpose

Solicit focused feedback and innovative thinking on technical topics from local experts in related fields.

6.7.2 Description

The project team may form specialized Technical Subgroups, comprised of local professionals and experts with backgrounds in technology, science and policy/governmental regulations, funding, etc. Meetings would be conducted to review analysis and recommendations on specific topics, obtain critique and suggestions, and discuss innovative ideas for accomplishing needs and goals. Planning tasks that could potentially benefit from Technical Subgroups include policies and ordinances, the wastewater facility plan, pilot and special studies, integration strategies, cost benefit analysis, stormwater and urban runoff facility plan.

6.7.3 Timeline

As needed.

6.8 Website, Social Media, and Informational Materials

Providing updates and sharing information using multiple channels is essential for successful public involvement during Phase 2. Please refer to the TM 18.2 – Communication Plan for programs addressing use of the One Water LA website, social media and informational materials.

7.0 ADDITIONAL PUBLIC INVOLVEMENT DURING ENVIRONMENTAL REVIEW

Before the One Water LA Plan is approved by the City Council, environmental review will be conducted pursuant to the California Environmental Quality Act (CEQA). This will involve preparation of an Environmental Impact Report (EIR) for the purposes of assessing potential environmental impacts that could result from implementation of the One Water LA Plan, and identifying mitigation measures and alternatives that could reduce impacts. An important component of the EIR process is public involvement, including information sharing and opportunities for comment. Initiation of the CEQA process is anticipated in mid-2017.

The primary public involvement components of the EIR process are:

- Environmental scoping, where the public will be asked to help identify the types of environmental issues to address in the EIR and consists of a scoping period when comments can be submitted.
- Draft EIR public review period, when the public can review the draft document and provide comments.
- Final EIR and public hearings, when the Final EIR is prepared, including written responses to all environmental comments received during the public review period, and the City Council conducts hearings to consider certification of the Final EIR and approval of the One Water LA Plan.

A plan for public involvement in the EIR process will be prepared. The plan will identify the type of stakeholder and public meetings that will be conducted, and may include stakeholder workshops, advisory group meetings, and an EIR learning session in addition to the public involvement steps required by CEQA (see Figure 1). Furthermore, the communications strategies addressed in the Communication Plan will be used to publicize the EIR-related public involvement opportunities.



Figure 1 One Water LA Plan Phase 2 Public Involvement Approach

8.0 PUBLIC ENGAGEMENT DOCUMENTATION

All documents developed as part of public engagement activities during the One Water LA 2040 Plan development, including and not limited to, meeting agendas, PowerPoint presentations and meeting summaries will be shared on the One Water LA website www.onewaterla.org.

TM 18.2 – COMMUNICATION PLAN

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CITY OF LOS ANGELES
TECHNICAL MEMORANDUM NO. 18.2
COMMUNICATION PLAN

FINAL
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CITY OF LOS ANGELES
ONE WATER LA 2040 PLAN
TECHNICAL MEMORANDUM
NO. 18.2
COMMUNICATION PLAN

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LIST OF ABBREVIATIONS

Abbreviation	Description
CEQA	California Environmental Quality Act
EIR	environmental impact report
IRP	Integrated Resources Plan
LADWP	Los Angeles Department of Water and Power
LASAN	Los Angeles Sanitation
LAUSD	Los Angeles Unified School District
MS4	Municipal Separate Storm Sewer System
POC	points of contact
TMDL	total maximum daily loads

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1.0 INTRODUCTION

One Water LA is a critical component of the City of Los Angeles Sustainability plan to strengthen and transform the City, and focuses on ensuring a sustainable water future for Los Angeles. One Water LA is both a plan and a long-term program. One Water LA 2040 is the plan currently in development to identify an integrated approach for water supply, wastewater treatment, and stormwater management. The One Water LA "program" is the long-term implementation of the plan reflecting the City's commitment to water management integration and coordination, and public awareness and involvement.

One Water LA pulls together the multitude of agencies and audiences that work on LA's water issues. This initiative provides the framework for those groups to work together on the big water picture – water supply, water uses, environmental needs, and long-term challenges. One Water LA is a collaborative approach, bringing agencies and audiences together to evaluate the whole picture, including challenges and solutions, and to develop and implement the technical plans and vision necessary to address those challenges.

The City of Los Angeles is currently implementing Phase 2 of One Water LA. In this phase, the City will build upon stakeholder-developed guiding principles, identify opportunities for water planning integration and collaboration across agencies and among audiences, reduce dependence on imported water, manage water in dry years when it is scarce, reuse water already available to us, and capture water in wet years when it is abundant. On completion of Phase 2 and the One Water LA Plan, the City will prepare an Environmental Impact Report and will conduct associated audience involvement efforts in compliance with the California Environmental Quality Act (CEQA).

Phase 2 and the One Water LA program include an outreach and communication component to convey timely, accurate, and clear program information to audiences that include City leaders, business and industry organizations, residents, non-profit organizations, and interested parties from outside the City.

The Communication Plan is one of two separate but complementary communications plans prepared for Phase 2 which also differ in their implementation timing. The Public Engagement Plan supports the One Water LA Plan and its implementation. In contrast, the Communication Plan begins during the One Water LA Plan preparation process and will continue long after the One Water LA Plan is completed.

The Communication Plan includes significant input received from the volunteer members of the One Water LA Outreach and Communication Special Topic Group, and reflects many recommendations from the work of Pepperdine University MBA Marketing Program

students in 2015. It is a "living" document that will be reviewed and revised on a periodic basis to reflect the evolving program and communication challenges, opportunities and needs.

2.0 BACKGROUND

The City of Los Angeles [One Water LA Guiding Principles Report](#) includes a detailed summary of the history associated with the One Water LA program including the 2006 adoption of the Water Integrated Resources Plan (IRP), marking an unprecedented new approach for sustainable water resources management. This planning effort sought to accomplish two main goals: (1) integrate wastewater facilities planning with stormwater, recycled water, and water conservation with a planning horizon from 2005 to 2020; and (2) enlist public audiences in the entire planning process. Adopted by the City in 2006 and widely supported by public audiences, the Water IRP included: capital improvement programs for wastewater and stormwater; an initial recycled water master plan; a financial plan; and a programmatic environmental impact report.

One Water LA is building on the success of the 2006 Water IRP, while also addressing a number of emerging challenges and new conditions including:

- Reduced water demands and wastewater flows from increased levels of water conservation;
- Chronic and more severe droughts, reduced reliability of imported water supply, and rising prices of imported water from Metropolitan Water District of Southern California;
- Climate change, which is impacting the state's snow pack and long-term availability of imported water to Los Angeles, stresses on local ecosystems, greater risks of localized flooding, and sea-level rise which could impact critical water infrastructure near the coast; and
- A 2012 Municipal Separate Storm Sewer System (MS4) permit for Los Angeles County that allows municipalities to develop a more integrated approach for meeting total maximum daily loads (TMDLs) of stormwater discharges, which will be achieved through Enhanced Watershed Management Plans.

To address these challenges and new conditions, the planning horizon for One Water LA was extended to the year 2040. One Water LA also set out to increase levels of audience involvement and interactions by casting a wider net for public participation and engaging relevant City departments and regional agencies in the development of this plan.

Working closely with public audiences, Phase 1 of One Water LA developed a vision for the plan, a set of objectives, and guiding principles. Phase 1 also strengthened interactions among City departments and regional agencies by having dedicated focus meetings on water management. Phase 2, which includes development of this Communication Plan,

involves more detailed planning and policy analyses, in coordination with on-going plans from the City's Los Angeles Sanitation (LASAN) and Los Angeles Department of Water and Power (LADWP). This phase will include updated wastewater and stormwater capital improvement programs, recommended policies and procedures for increased coordination and integration of water between all City departments, and broadened public involvement and public awareness programs.

3.0 OUTREACH GOALS FOR ONE WATER LA

The goal of the outreach program is to maximize awareness and understanding of the One Water LA program among audiences and the general public over the long term. Objectives include:

- Provide clear, consistent and synchronized information about One Water LA and its components
- Create program recognition through uniformity, consistency, variety, repetition and expand reach
- Ensure processes that provide sustained communication efforts beyond Phase 2 and throughout the CEQA process that coordinate with, rather than duplicate activities already conducted by City agencies
- Identify and pursue opportunities for partnerships to further broaden the reach of communication and public awareness
- Employ multifaceted communication strategies and tactics that address varied communication needs of diverse communities
- Continually evaluate and adjust public involvement activities to ensure efforts are effectively engaging the public and meeting the information needs of diverse audiences

4.0 STRATEGIES FOR SUCCESS

Key strategies create the foundation of communication efforts and approaches and are woven throughout the actions and tactical sections of this plan. Strategies include:

- **Key messages** – helping focus communication efforts and cut through the information clutter. Using positive language to convey progress and actions.
- **Consistent, sustained and multifaceted communication tools** – employing a variety of general and tailored materials and tools in multiple languages and formats to clearly communicate program history, purpose and other relevant information to a diverse array of audiences.

- **Alignment with technical process** – appropriately scheduling outreach and information to stay on track with technical preparation of reports, studies, and recommendations.
- **Program identity** – making One Water LA a recognizable program throughout LA through materials, training, partnerships, and community participation.
- **Robust, growing, and diverse contact list** – broadening the expanse of people and groups who are aware of and interested in One Water LA efforts and accomplishments.
- **Coordination and collaboration** – ensuring related but separate communication efforts are consistent, coordinated and not at cross purposes; and cross promoting efforts with other recognizable LA activities.
- **Two-way communication** – creating an environment for open dialogue with audiences.
- **Calls to action** – providing personal and relatable actions that all members of the public can undertake.
- **Partnerships** – reaching more audiences and accomplishing more through teaming efforts on endeavors of mutual interest with civic, environmental, academic, and other groups; and empowering others to carry One Water LA messages.
- **Varied levels of technical detail** – targeting the range from layperson to more in-depth audiences and addressing varied information needs from simplified to complex.
- **Creativity** – Finding unexpected communication methods and unexpected message carriers to share information (including entertainment, sports, art and theater as appropriate)
- **Media relations** – strengthening relationships, providing up-to-date, newsworthy information and media friendly opportunities to media outlets.
- **Rapid response** – quickly addressing misinformation or information gaps that might arise about the One Water LA plan and program.
- **Long-term view** – while focusing on Phase 2 and development of the One Water LA plan, incorporating efforts that build and expand communication reach to continually raise awareness about and interest in the program.
- **Evaluation and course correction** – measuring efforts, accomplishments and feedback, and adjusting as needed to reflect the evolution of the One Water LA plan and program.

5.0 POTENTIAL CHALLENGES

Recognition of the challenges that could impact successful communication about the complex and widespread efforts to ensure a sustainable water future for Los Angeles is fundamental to communication approach. Below are several potential challenges that could be encountered along the way and, therefore, must be part of the planning process.

5.1 Complexity

One Water LA is both a plan and a long-term program involving a variety of water issues, activities, and organizations. Internal coordination is challenging, and effectively communicating about the complexities externally is even more so. Simplification of information in clear and relatable terms, and consistency of information will be essential as will be efforts to provide information in multiple ways to meet changing needs.

5.2 Lack of Centralization

Many activities related to One Water LA that are or will be underway, are managed by other City departments or regional agencies and organizations. This can result in perceived "mixed" messages and confusion. Coordination and collaboration to the extent possible will minimize, but not eliminate, confusion and should streamline outreach and communication to the betterment of all efforts and activities, and open doors to partnerships.

5.3 Potable Reuse Element

Part of One Water LA deals with water reuse which, for decades, has generated a "yuck" factor. The Los Angeles region has experienced this firsthand. The "toilet to tap" phrase and imagery has been used negatively in political campaigns, by the media, and by oppositional interests as "shorthand" to express opposition to potable reuse as being unsafe to drink or even hazardous to the public. While great strides have been made to address misinformation, the communication team must always be prepared to deal with the "yuck" factor.

5.4 Competing Interests

One Water LA encompasses a number of planning efforts – for stormwater, wastewater, imported water, urban runoff – and geographic regions that involve audiences with different perspectives and priorities. Difficult planning decisions may be viewed or prioritized differently by groups. Ensuring transparency, balance, and two-way communication will help identify synergies and promote collaboration.

5.5 Cost

Planning efforts ultimately result in City budgets, costs, and allocations that must be approved by officials. A thorough discussion, supported by thorough information, will need

to address the purpose, need, benefits, costs, regulations and associated cost implications, and anticipated questions to provide context and balance.

5.6 Public Trust

Research has shown there is a significant portion of the public that has a general mistrust or lack of confidence in government. This lack of trust can translate into a concern about the City's transparency and decision making. Diligence in providing up-to-date, accurate, and thorough information will be essential.

5.7 Diverse Population and Communities

Angelenos include a diverse set of communities with differing perspectives, priorities, concerns, languages, cultures, and information needs. Addressing differences and communication preferences will be needed to ensure effective, widespread communication.

5.8 "Not in My Backyard" Perspective

Ultimately, many recommendations will result in project activity or impacts to local communities and properties. As One Water LA projects, programs and policies are developed, concerns associated with individual properties and communities must be considered.

5.9 Media and Social Media Misinformation

The media, social media, blogs, and online discussion boards can be vehicles for misinformation about any City activity, including One Water LA. Networks of followers and interested parties can increase negative publicity or opinions with astounding speed and volume. Proactive media relations, supported by rapid response processes will be important.

5.10 Low Interest Level

There is widespread interest throughout California in projected water supply, and future water reliability and quality issues. However, the circle of individuals interested in the details of water planning and sustainability efforts is minimal. A call to action is often what triggers engagement for members of the public but One Water LA has not established that as of yet.

5.11 Rapid Planning Timeline

The One Water LA planning effort is well underway and many tasks are in various stages of completion. Balancing the need to ensure new stakeholders feel that they are entering the process in time to make a meaningful contribution, without having to reopen already approved goals and milestones, is an important consideration.

6.0 OPPORTUNITIES

In addition to challenges that need to be addressed, there are many opportunities to aid in enhancing and building program understanding, momentum, visibility, and support. Below are several key opportunities that can contribute to the success of the program.

6.1 Heightened Awareness about Water Issues and Water Availability

California is experiencing unprecedented drought conditions which are covered throughout the 24-hour news cycle. Residents, businesses, industry, recreationists, and others have a vested interest in the region's water future, which improves potential for engagement and message resonance.

6.2 Sustainable City Plan

The City of Los Angeles has established a sustainability plan focused on protecting the environment of LA, strengthening the economy of LA, and building equity in LA communities. Developing more local water supply and reducing purchased imported water are key elements of the Sustainability Plan, providing focus on water issues at the highest levels in the City.

6.3 The "Green" Movement

Sustainability is a widely accepted and motivating concept. The environmental benefits and sustainable characteristics of One Water LA, not to mention the efficiencies, can be emphasized and will resonate with a growing population.

6.4 Partnering Opportunities

In addition to the challenges associated with the multitude of agencies and organizations conducting water related programs and outreach, are opportunities to join forces, identify common ground, leverage existing communication vehicles, and collaborate to broaden message reach and the One Water LA team.

6.5 Media Attention

Ongoing and recurring droughts in Southern California are the continuing focus of media attention. Increasingly, articles are focused on using water more efficiently and offsetting potable demand which in turn creates opportunities for the One Water LA program to share information about plans, programs, and activities.

6.6 Social Media

Social media provides an opportunity to increase City and One Water LA visibility, and diverse groups and partners can be encouraged to share social media updates and information with their communities. The City has already demonstrated outreach success via electronic media platforms, and One Water LA presence will keep the program's progress top-of-mind for interested community members.

7.0 KEY MESSAGES AND TALKING POINTS

The One Water LA team will provide detailed information on a variety of topics of interest to audiences at varying levels of technical detail. However, all materials and talking points need to emphasize a few overarching themes/messages to help focus communication efforts and cut through the information clutter common in today's busy society.

The following "core messages" reflect input received from One Water LA leadership and staff, as well as the Outreach and Communication Special Topic Group. Other suggestions received from these groups will be incorporated into the facts, figures, and details that will support these high level message concepts.

Messages should be used as a reference for team members to provide accurate and concise information while maintaining a consistent voice when engaging with a range of audiences. Messages should also inform development of any print, digital, or social media-related content.

OVERARCHING MESSAGE: One Water LA is the City's long-term program to ensure our water future.

Supporting Information:

- One Water LA is a roadmap, connecting plans, ideas, and people to arrive at better and fiscally-responsible water planning solutions.
- One Water LA identifies collaborative approaches that will yield sustainable, long-term water supplies for Los Angeles and will provide greater resiliency to drought conditions and climate change.
- One Water LA seeks to improve the health of local watersheds, increase climate change resilience, and safely convey, treat and reuse wastewater.

Timeline

- 1999 – LA Begins IRP
- 2006 – IRP Adopted
- 2013 – One Water LA Phase 1 Begins
- 2015 – One Water LA Phase 2 Begins
- 2017 – One Water LA Completes 2040 Plan
- 2018 – Final Environmental Impact Report
- 2040 – One Water LA Vision is Reality

MESSAGE: One Water LA is more than a plan – it is a collaboration of people throughout the City working to change the way we think about and manage water, and it is already producing results.

Supporting Information:

- Through One Water LA we are managing our water differently during dry and wet years through innovation, integration, and collaboration.
- To make our community a better place to live, we have to keep our water clean, increase local water supplies, and continue greening our communities. This can be done through planning and managing water as "One Water."
- Through One Water LA we consider city planning from a watershed perspective and include all components of water – wastewater treatment, water recycling, water supply, water conservation, stormwater, and flood management – as one.
- By analyzing the total water picture, we are creating more efficient projects that maximize resources and minimize cost.

Achievements

- Collaborative development of 47 "quick fix" policies for City departments and regional agencies
- Modifications to allow recycled water in concrete
- Identified potential for expansion of recycled water uses at the LA Zoo
- Recommended changes to Planning Department's codes related to water
- Partnership opportunity discussions with LAUSD about stormwater capture projects
- Creation of the One Water LA curriculum for LAUSD

MESSAGE: One Water LA is a central part of LA's efforts to reduce reliance on purchased imported water by increasing local water supply through conservation, capture, and reuse

Supporting Information:

- One Water LA seeks to increase local water supplies, which is key to ensuring a resilient future and economic vitality for the City.
- Los Angeles imports nearly 90 percent of its water which is increasingly costly and reduces local control.
- The City's Sustainability Plan calls for a 50 percent local source by 2035, and 50 percent reduction in imported water purchases by 2025.
- The One Water LA program helps achieve a 50 percent reduction in purchased imported water and ensures a local and diverse water supply for Los Angeles through conservation, recycled water use, and stormwater capture.

Tools

- Water Balance Tool to measure and evaluate water management options
- Partnerships
- Integration
- Cost Sharing
- Pilot Studies
- Policies and Ordinances

MESSAGE: One Water LA requires investment – we will all need to pay for our water future but planners are focused on identifying fiscally-responsible ways to invest in our water needs.

Supporting Information:

- There is no new water. One Water LA seeks to maximize all our water resources by conserving water, capturing water before it goes to the ocean, and reusing the water we already have.
- It will take investment in infrastructure and innovative planning to increase our local water supply. The most expensive water is the water you don't have. In the long-term, this investment will ensure a sustainable water supply and reduce costs associated with expensive imported water.
- One Water LA will lead to smarter land use policies and practices, healthier watersheds, increased efficiency and operation of water and wastewater utilities, enhanced communities, resilience against climate change, and greater protection of public health.

MESSAGE: All of us can take action to help save, capture, and reuse water. Success relies on everyone including community members, government, businesses, academics, and interest groups working together to find cooperative ways to increase our local water supply.

Supporting Information:

- One Water LA creates the framework for innovation, integration, and collaboration.
- To accomplish the One Water LA Plan, we need a multitude of agencies, groups and individuals to come together and evaluate the whole picture, address challenges, find solutions, and develop the vision and technical plans necessary to secure LA's water future.
- To implement the One Water LA Plan, the City will pursue multi-beneficial projects, pool financial resources, and identify funding opportunities including grants, low-interest loans, agency cost-sharing, and public-private partnerships.
- Balancing environmental, economic, and societal goals by implementing affordable and equitable projects and programs with multiple community benefits is a One Water LA guiding principle.
- Informed participation will help shape the future of One Water LA and ensure a sustainable water future for Los Angeles.

Advisors

- Water Cabinet
- Steering Committee
- Advisory Group
- Stakeholder Workshop Participants
- Special Topic Groups
- Neighborhood Councils

8.0 AUDIENCES

The following audiences will be a continuing focus of the public outreach tactical activities (see Table 1). Some are already actively engaged. This list will be refined during the course of the outreach activities, and cross referencing will be conducted to ensure reach to these individuals and groups. A consolidated, working database will be prepared to provide centralization and consistency.

Table 1 Public Outreach Audience One Water LA 2040 Plan – TM 18.2	
OVERSIGHT	
<ul style="list-style-type: none"> • Los Angeles Mayor and City Council • Mayoral Water Cabinet • City and regional committees and commissions • Regulatory agencies 	
INTERNAL AND GOVERNMENTAL STAKEHOLDERS	
<ul style="list-style-type: none"> • One Water LA Steering Committee and individual agencies • Governing bodies and staff representatives of the City of Los Angeles and Los Angeles County • Local and state elected officials and policymakers • Candidates for local elected office • Local and regional public water, recycled water, stormwater and wastewater service providers and agencies • Neighborhood Councils • Business Improvement Districts • City of Los Angeles employees, especially LASAN and LADWP 	
AUDIENCE CATEGORIES	
<ul style="list-style-type: none"> • Academia/science opinion leaders • Agricultural leaders • Building/architecture/construction organizations • Civic and community leaders • Community planning groups • Concerned/engaged citizens • Disadvantaged community representatives • Environmental advocacy groups • Faith-based organizations and leaders • Food/gardening groups • Homeschool groups • City and regional incubators and think tanks • Land conservancies • Land-use and planning groups • Libraries • Local business, industry, manufacturing, and economic development organizations • Local theater/art organizations 	

**Table 1 Public Outreach Audience
One Water LA 2040 Plan – TM 18.2**

- Media
- Multicultural leaders and groups
- Non-governmental organizations and foundations
- Parent/teacher organizations and school groups
- Public health and medical organizations
- Rate payers including landlords/renters, residential, commercial and industrial
- Religious groups
- School district(s)
- Senior groups
- Social equity and gentrification groups
- Sports and entertainment
- Taxpayer groups
- Trade and development interests
- Transportation interest groups
- Tribes
- Women-led/focused organizations
- Youth organizations and young adults

9.0 APPROACH/ACTIVITIES

The outreach activities identified in this Communication Plan support the elements of the One Water LA outreach program, complement strategies included in the One Water LA Public Engagement Plan, are crafted to coordinate with other ongoing and related outreach activities, and are organized into the following categories:

- Data Collection and Research
- Informational and Outreach Materials and Tools
- Internal Communication
- Business and Industry Outreach
- Non-Governmental Organizations and Partnerships
- Community and Public Outreach
- Media and Social Media Outreach
- Speakers Bureau
- Program Recognition

All approaches/activities listed are recommendations. Since this is a long-term program and long-term plan, not all strategies are required from the start. As the One Water LA program evolves, the City should revisit the plan and recommendations, and implement as appropriate and as resources allow.

9.1 Data Collection and Research

Research, both qualitative and quantitative, serves as a foundation for the strategies and tactics in effective public outreach plans. The One Water LA team and associated departments has collected data as a result of the engagement process (see Table 2). The One Water LA program should build on data with periodic data collection to gauge the adequacy of efforts and course-correct as needed.

Strategy

- Gather information to maintain awareness of and opinions about One Water LA purpose, need, and activities.

Table 2 Tactics – Data Collection and Research One Water LA 2040 Plan – TM 18.2	
In-Depth Interviews	In coordination with Public Engagement Plan implementation, conduct in-depth interviews with unengaged individuals representing key sectors identified in the audience list to understand perceptions about water, reliability, reuse, and planning. This information should inform key messages, refine strategies, and establish a baseline for future efforts.
Online Research	Search online articles, research papers, reports and surveys to maintain a resource library and situational awareness of emerging issues related to water.
Stakeholder Database	Analyze the various and multiple audience lists currently maintained by the One Water LA team and its components and, as appropriate, assemble a searchable, sortable, and comprehensive One Water LA stakeholder database that ensures up-to-date and centralized information for contacts and engagement.
Formalized Survey(s)	Identify opportunities and, as appropriate, employ targeted survey tools to identify awareness level and interest areas. Create baseline inquiries and schedule regular follow up inquiries to measure change and inform future outreach and communication efforts. These can be broad among a "general" public, or targeted to already-involved stakeholders. As One Water LA plans, programs and policies form, need for surveys and specific topical areas can be assessed.
Routine Follow Up and Updates	As part of future updates to the Communication Plan, conduct additional research to identify new or emerging issues, update the contact database, and measure the effectiveness of communication efforts to date.

9.2 Informational and Outreach Materials and Tools

To meet communication objectives, including ensuring consistency and accuracy, the One Water LA program needs to build upon the existing informational materials library and visuals while eradicating old or outdated information (see Table 3). Though the list may appear daunting, once established these materials can be quickly updated and easily accessible to City and program spokespersons, and they will be invaluable as the City continues engagement processes and launches an eventual environmental impact report (EIR).

The materials will include key messages as well as facts and information created with support from the outreach and technical experts. The informational materials will provide objective, basic information about One Water LA, reflect the key messages and be written for the general public. All informational materials will be brief and visually appealing.

With foundational messages and facts developed, information can be tailored to different audiences and will address specific concerns and needs, be written for a varying knowledge base, and will convey important messages in a consistent manner. Materials can be focused for use by elected officials, and can include quotes from key individuals, officials, and City leaders. Materials and communication tools will be reviewed for cultural sensitivity, appropriateness for different age groups and relevance to intended audience. Materials will be distributed in a variety of ways, in a variety of languages, and will include both electronic and non-electronic outlets to reach multiple audience groups.

Strategy

- Use a varied – but manageable - mix of general and tailored materials, tools, and visuals to clearly communicate One Water LA history, purpose, benefits of participation, and other relevant information to a diverse array of groups.
- Make information personal and relatable.
- Include "calls to action."
- Incorporate visuals and graphics to communicate complex concepts.
- Coordinate and cross-promote with other agencies and groups.

Table 3 Tactics – Informational and Outreach Materials and Tools One Water LA 2040 Plan – TM 18.2	
Communication Index	<p>Create an index of communication vehicles already available and maximize their use, for example:</p> <ul style="list-style-type: none"> • Bill inserts and messages (update to include One Water LA hyperlinks and hashtags) • City e-blasts and electronic communication • City calendar postings; existing meetings and forums • Neighborhood Council/Homeowner Association meetings and websites • State of City updates • Websites and eblasts of partner organizations
Information Library	<p>Create a centralized information and visuals library with approved materials, content, graphics, photographs and video clips to be used in One Water LA materials. Visual communication has an important role in providing easily understandable information about this complex program. The outreach team will coordinate with individual projects and departments to obtain photographs, maps, graphics, and other images for use in informational materials. These must be carefully cataloged and saved so they are readily available when a need arises using an electronic and hard copy library.</p>
Logo and Graphic Style	<p>Maintain consistency with the project graphic style and information, building on existing logo and style elements and formalizing via a Style Guide including visual specifications along with agreed-upon titles, names, and terminology as a resource to be followed.</p>
Program Descriptions and Key Facts	<p>Formalize and routinely update a One Water LA description document including key facts that should be used consistently in all communication. Key facts are often communicated inconsistently – "imported water totals XX percent," "the reservoir contains XX million gallons," or "the reservoir contains over 1 million gallons," etc. – leading to confusion and sometimes even mistrust among community members. Agreed upon project facts and data will minimize this potential and will serve as a quickly accessible tool for team members.</p>
Infographics and Visuals	<p>Develop infographics that explain program facts, statistics, and information in a visually appealing, dynamic manner. Infographics lend themselves to written materials, website information, social media posts, presentation, and animated video. Professional photography can be coordinated through City resources and should be considered for all public involvement events, presentations, and meetings as appropriate.</p>
Fact Sheets	<p>Keep the One Water LA fact sheet current, incorporating key messages, facts, and infographics and new plan information. Distribute materials at meetings, presentations and workshops, on websites, in City public areas such as libraries, as appropriate, in elected official offices, and make available to partner agencies and groups for distribution. Multiple formats should be developed, including one with high level information for lay audience, and others with technical details specific to special topics such as costs or alternatives.</p>

Table 3 Tactics – Informational and Outreach Materials and Tools One Water LA 2040 Plan – TM 18.2	
One Water LA Pocket Card	Create a pocket-size card that highlights One Water LA key messages and contains contact information and the website URL. The card will be for use by program team members and spokespersons, and others with high program visibility, for reference prior to public engagements and for public distribution.
Giveaway Materials	Develop stock of One Water LA branded materials for distribution at events. Branded materials, can include water bottles, notepads, coasters, pens, sticky pads, and t-shirts.
Coordinated Materials	Research and solicit opportunities to coordinate inclusion of One Water LA information, fact sheet information and infographics in other City publications and websites (including LA360 and LADWP Drinking Water Quality Report), partner organizations, professional and other organizations. This includes development of template articles for placement citywide. A jointly-published LASAN and LADWP "State of Water" report, or "Water at A Glance" document could lay LA's water story including history and baseline information.
Updated and New Brochures	Prepared updated One Water LA brochure with highlights on elements of Phase 2 and the EIR process. Incorporate elements from already prepared documents and provide excerpts from the brochure along with appropriate graphics to external organizations to include in their online or print newsletters.
News Updates	Prepare a One Water LA specific newsletter/update for electronic distribution to the One Water LA database, and for hard-copy placement in central City locations and distribution to partner agencies, at community presentations and events, and to Council offices for use at events. Updates will also be posted on the One Water LA website.
Media Kit	Work with public information staff to prepare hard copy and electronic media kits for One Water LA for distribution to media representatives and editorial boards. Include all relevant documents including graphics, video, local and national news articles, key staff bios, and program fact sheets. Consider remotely updatable flash drives as electronic media kits.
Facility Displays	Provide One Water LA displays for relevant facilities and tour locations demonstrating relation between facility/service and One Water LA initiatives. These could include electronic information where available, window displays or signage. Electronic media allow for more frequent updates, which is advisable as the One Water LA plan progresses.
Website	Update the existing One Water LA website http://www.onewaterla.org/ with newly prepared information and visuals, background and resources. Update the site continually and broadly publicize the location so that it becomes the primary source of information for audiences and the media. The site will include appropriate program information, materials, presentations, video clips, summaries of input received, and other useful tools to raise awareness. If feasible through the LASAN website, the One Water LA contact section will also include the ability to sign up for electronic and social media updates.

Table 3 Tactics – Informational and Outreach Materials and Tools One Water LA 2040 Plan – TM 18.2	
Videos and Animation	Using visuals and content prepared, produce a video detailing the program that includes interview footage, graphics, and a clear narrative on the program. Have the video run on LA Cityview 35 and post on the website, YouTube and other social media platforms as appropriate. Develop creative content and write scripts for additional short, engaging videos that communicate important One Water LA information through animation, intercept interviews, and or whiteboard animation. Local film and creative students could be engaged to support this effort. Video public service announcements can also be developed with this process.
Presentations	Update One Water LA presentations, using standard PowerPoint and Prezi to reflect updated program information, style, and visuals. Develop modules for long, short, and varied technical detail versions. Provide talking points and train project spokespersons on their use.
Technical Materials	Review technical materials produced from One Water LA-related projects and activities (pilot studies, reports, etc.) and, as appropriate, convert them into layperson language so they are effective communication tools for the City.
Material Translations	Expand the scope of language translations of informational materials to ensure accessibility to all residents. Base languages, in addition to English, include Spanish and Tagalog and possibly Mandarin. In each case, language selection should be coordinated with public outreach staff.
e-Updates	Provide timely and as needed e-updates to those on the contact list. Content may include program updates, recent media clips, community involvement opportunities, tour information, and photographs. These updates would be in addition to and more frequent than the One Water LA newsletter/update document.
Youth Focused Activities and Materials	Develop materials, activities, and contests aimed at young learners. Examples include scout programs and patches, trading cards for each component of the One Water LA story and science competition sponsorships associated with integrated water management.

9.3 Internal Communication

Effective communication plans depend on the involvement of the entire organization. Leadership, staff, other departments, and officials can be asked a question about One Water LA at any time and should be equipped with timely, accurate information (see Table 4). Although they may not provide a formal, scheduled presentation, it is important to message consistency that leaders and employees know about the program and have the most recent information.

Strategy

- Inform internal audiences first, before external audiences, about One Water LA issues, plans and activities.

Table 4 Tactics – Internal Communication One Water LA 2040 Plan – TM 18.2	
Informational Materials	Distribute electronic updates and informational materials including fact sheets, suggested key talking points, brochures, videos, and white papers to all internal audiences so all have the same information.
Display Materials	Display informational posters and materials in high traffic City departments. Examples include restrooms, water coolers, and break rooms.
Presentations	At key milestones during the course of One Water LA, provide progress presentations to council, administration and other departments. This helps to ensure each has the latest information, allowing them to speak to their peer groups about the latest developments.
Staff Updates	Provide regular staff updates at meetings, in internal communication pieces and via email. Distributing these updates at project milestones will keep the staff informed about the Program. Working through approved channels, provide the same updates and information to labor representatives to ensure widespread knowledge of One Water LA activities.
Briefings	Working through appropriate staff resources, conduct briefings with City officials and staff about One Water LA status and upcoming milestones. As requested, provide copies of information for leadership distribution.
Event Invites	When appropriate, invite elected officials and staff on tours or to be a part of special events. Include internal audiences as standard part of distribution of public event invitations.
One Water LA Steering Committee	A forum already exists within the One Water LA structure to update City departments and regional agencies. This should be continued through periodic workshops, materials distribution, electronic updates, and invitations to engagement activities.

9.4 Business and Industry Outreach

Economic viability of Los Angeles is a main theme of the Sustainable City pLAn (see Table 5). One Water LA activities and alternative considerations impact the entire community, including the businesses and industries that locate in Los Angeles, pay fees, and employee residents. Examples of audiences include manufacturers, large water users, tourism, real estate and development, think tanks, sustainable business associations, trades, and others. Cultivating and maintaining strong relationships with these sectors will increase program understanding and effectiveness through audience input.

Strategies

- Foster two-way communication between business, trade and economic development interests – including multicultural business and industry organizations – and the One Water LA team.
- Attend stakeholder meetings and venues, versus only asking them to attend One Water LA meetings, in order to emphasize interest and reach a broader audience.

Table 5 Tactics – Business and Industry Outreach One Water LA 2040 Plan – TM 18.2	
Coordinate with Public Engagement Plan Implementation	The One Water LA Public Engagement Plan includes engagement opportunities specifically for this category. Coordinate activities below with those participation initiatives to ensure consistency and to avoid duplication.
Contact Database	Create a sortable element within the centralized database to identify this audience category; expand and continually update the list. Ensure inclusion of multi-cultural business and industry organizations.
e-news	Prepare and distribute business-focused electronic updates on One Water LA activities and input opportunities.
One-on-One Interviews	Include business and civic leadership in initial one-on-one interviews as part of Phase 2 engagement activities including tourism, manufacturing, and economic development leaders. Identify City points of contact (POCs) for multi-cultural organizations and consider one-on-one meetings to explore interests and information needs.
Large Commercial/Industrial Customers	Work with LADWP to identify largest utility rate payers and identify POCs within the City (if applicable) and within those organizations to brief on One Water LA, the planning horizon, ultimate potential impacts to customers, and opportunities for input.
Civic and Business Meeting Attendance	Create a database of regular civic and industry meetings; identify current POCs and, as appropriate, attend meetings to gain perspective and build relationships, or partner with existing City POCs to accomplish the same.
Business/Industry Presentations	Research additional opportunities to participate in and present One Water LA information at civic, business, and community events. Work with POCs identified above to obtain events list, and coordinate with Mayor and City Council offices to identify and have a presence at key events. Maximize opportunities to partner with other City departments and activities and include all on master events list for 2016/17. Equip others with One Water LA materials, informational displays with contact information, and presentations for third-party use as appropriate.
Contact and Support Cards	Provide contact and support cards, as appropriate, at events. These cards assist in database expansion, and offer businesses and representatives the opportunity to request template articles and presentations.

9.5 Non-Governmental Organizations and Partnerships

A range of LA-based and regional nonprofit and volunteer organizations are actively interested in efforts to plan for Los Angeles' long-term water sustainability (see Table 6). Many are already engaged through the One Water LA audience process; however, Phase 2 seeks to expand the groups engaged beyond water-focused organizations, and expand the opportunities through which these groups can learn about, share information about, and

provide input into the One Water LA planning process and program. A full list will be included in the updated database, but examples of interest areas include tribal affairs, public health and recreation, seniors, disadvantaged populations, tax payer advocacy, and social issues among others.

Strategies

- Expand and diversify outreach to non-governmental and other community groups.
- Maximize opportunities for partnerships and third-party communication.

Table 6 Tactics – Non-Governmental Organizations and Partnerships One Water LA 2040 Plan – TM 18.2	
Coordinate with Public Engagement Plan Implementation	The One Water LA Public Engagement Plan already includes engagement opportunities with this category and many non-government organizations have been active in One Water LA Phase 1. Coordinate activities below with those participation initiatives to ensure consistency and to avoid duplication.
Contact Database	Create a sortable element within the centralized database to identify this category and subcategories; expand and continually update the list. Identify POCs for ongoing communication.
Points of Contact	Assign appropriate One Water LA team members as POCs to different groups, if those POCs do not currently exist. Ensure POCs have up-to-date information and routine methods for sharing information with pertinent organizations.
Survey	Employ a survey to assess specific areas of interest, preferred method of communication, and opportunities for shared information (template articles for example), or partnership in events, activities and funding. Create baseline summary of survey results and update routinely.
Topic Specific Information	Based on survey results, prepare highest priority topic specific materials, including visuals, content, fact sheets, and FAQs. Create topic-specific areas (limited to highest ranking interests) on One Water LA website, post updates, and – if possible – create a sign-up opportunity to electronically receive information associated with specific topics. All topic specific information would link to programmatic information.
Speakers Bureau Information	Provide groups and leaders with copies of approved One Water LA presentation, talking points, and informational materials and encourage them to share with membership and constituencies. Consider developing an online "order form" where groups can request copies of materials for distribution.
Partner Badge	Complete and prepare a One Water LA Partner badge and encourage groups to post on their website to demonstrate collaborative efforts and focus.
e-news	Prepare and distribute topic-specific electronic updates with links to broader information and input opportunities.

9.6 Community and Public Outreach and Engagement

In addition to the groups identified above, is the "general public," composed of ratepayers, water users, tax payers, and residents who are all impacted by water use planning and costs. In reality, however, there is no "general public" – this is certainly true in the City of Los Angeles, a culturally, spiritually, economically, and ethnically diverse area. Because such a diverse population exists throughout the region, and because members of different cultures may prefer specific types of outreach, it will be important for the One Water LA team to consider the needs of these audiences as they launch customer and community outreach activities (see Table 7).

Strategies

- Raise awareness about integrated multi-benefit approach to water resource issues and efforts toward sustainability.
- Gauge interest areas and concerns in order to address them.
- Encourage involvement and third-party spokespersons.
- Establish a connection between services provided, their interconnections, and overall connection with Los Angeles' water future.
- Build pride in One Water LA and sustainability efforts.

Table 7 Tactics – Community and Public Outreach and Engagement One Water LA 2040 Plan – TM 18.2	
Contact Database	Expand opportunities for database sign-up – electronically and in writing – and incorporate interest group coding for future targeted communication.
Public Survey	Identify existing, recent survey results related to water resource and planning issues. If needed, develop baseline, quantitative information about general public awareness of and attitudes about water resources and future sustainability. Create benchmark information to inform future survey tools and activities.
Multi-Format Information Tools	Make consistent information available in multiple formats. Not all community members will have access to all types of information. Hard copy and electronic information should be tailored for targeted audiences, non-English speakers, and others, and should be in accordance with City policy for ADA compliance.
Multi-Cultural and Faith-Based Outreach	Identify and engage multicultural community organizations and faith-based organizations and find appropriate ways to deliver program information to their leaders and membership. Coordinate with existing City activities and POCs to maximize existing relationships and protocols. Ensure incorporation into the centralized database.

Table 7 Tactics – Community and Public Outreach and Engagement One Water LA 2040 Plan – TM 18.2	
Sponsored Advertising	At appropriate time, and through the engagement process, invite sponsorship for advertising to publicize One Water LA milestones or available updates and information. This includes Facebook advertising, which has documented success in reaching broader community audiences.
Community Events and Festivals	Build upon existing community events list and, as appropriate, assign POCs to attend local events to demonstrate the City's commitment to collaboratively address water resource planning and sustainability. Evaluate opportunities for third-party advocates to participate representing One Water LA. Consider sponsoring events if appropriate. Plan ahead to incorporate opportunities to collect contact information for the stakeholder list, and potentially to conduct "man on the street" video interviews for social media and website use.
One Water LA Specific Events	Plan a potential event to celebrate and recognize the conclusion of the One Water LA Plan. This event could include many speakers including the mayor, elected officials, staff, and community members. Another potential option is to host an annual One Water LA event to showcase key water initiatives.
Exhibits	Create a traveling kiosk with project information for use at booths and events. Using the program style guide and materials, create a visually appealing display that will draw in event goers to learn more about One Water LA efforts. The same format can be used for a library exhibit and display at City facilities that can be rotated to new locations.
Feedback	The information received through questions and comments at community meetings and presentations is as important as the information One Water LA is sharing. Meeting POCs should capture this feedback using a speaker feedback form after each interaction.
Tours	Incorporate One Water LA information into existing tours; explore opportunities for additional tours to highlight the "One Water" concept; prepare topic specific materials, and publicize tour opportunities through the database and other communication vehicles.
Youth Programs	Encourage youth learning and water appreciation through expansion of existing youth education programs. Successful programs have included creation of a water badge program for the local Boy and Girl Scout troops, tours, science competition mentoring and sponsorships, take-home materials, student presentations, and scholarship programs for high school students interested in pursuing related courses of study. Explore the opportunity to partner with the Los Angeles Youth Commission program as one of that group's activities.
College Level Outreach	One Water LA has already partnered with Pepperdine University to explore communication opportunities. This should be expanded to create new partnerships on a range of topics with students and academics. In addition to partnerships, targeted outreach to instructors should be conducted to publicize tours, workshops and other learning and engagement opportunities.

9.7 Media and Social Media Outreach

Media coverage – using the range of media platforms – can be an effective way to disseminate program information to a wide or targeted audience (see Table 8 and Table 9). Engaging media representatives, in accordance with existing City protocols, will enhance their understanding and accurate coverage of the program.

Strategies

- Equip City media POCs with timely and relevant information and coordinate with existing protocols; clarify protocols for One Water LA media engagement.
- Expand identified media contacts to include bloggers, specialty reporters, college reporters and industry publications to facilitate accurate and positive media coverage.
- Leverage other news and events to tell the One Water LA story
- Engage multicultural publications and media outlets that reach a diverse readership.
- Enhance and sustain social media engagement.
- Ensure alignment with One Water LA implementation and planning schedule.
- Provide media with continuously stimulating and newsworthy content including material sponsored by influential individuals in support of the program.
- Ensure that the program has a current and comprehensive library of chronicled media coverage.
- Establish and implement a rapid response program to address misinformation.

Table 8 Tactics – Media One Water LA 2040 Plan – TM 18.2	
Media Contact Database	Enhance and refine the current list of media organizations with specific contacts that do or could have an interest in the program. This includes working more with science and environmental reporters and reaching out to more online publications, which offer the added benefit of a comments section where community members can post their opinions and feedback.
Media Protocol	Establish a media protocol and confirm subject matter experts and contacts associated with various elements of the One Water LA program.
Media Screening and Index	Continue to monitor local and national media to identify any report, story, or blog that is directly related to the program or has a connection to a related field. Actively scan target media outlets for coverage. Ensure that all relevant articles are distributed to the program team. Distribute current articles to the program's key audiences through e-updates or other channels. Record and save all program media gathered throughout the course of the program for reference and program measurement.

Table 8 Tactics – Media One Water LA 2040 Plan – TM 18.2	
Media Event Preparation	Coordinate or assist with planning and conducting news conferences on the program or related topics. Ensure that all program team members have a copy of the program key messages and are familiar with program messaging and potential questions from the public. Determine who will communicate with the media and develop a protocol for media response.
Leadership Talking Points	Provide updated talking points to City leadership and staff for potential inclusion in overarching City talking points.
Template Articles/News Releases	Prepare template articles that can be used to provide program information in community and campus newspapers, external group publications, and on community websites. Customize as needed for a variety of outlets. Also, create template articles and news releases to promote tour and presentation milestones and distribute to local media contacts and community newsletters. Create and disseminate news releases to targeted community papers following tours by special interest groups, such as college classes and community groups.
Spokesperson Training	Provide a workshop for all new media spokespersons to help ensure more effective communications.
Rapid Response Plan	Prepare or confirm the protocol to rapidly address misinformation. Quick response to public misinformation is critical, particularly given the rapidity with which social media disseminates information. This includes factual errors in older articles that will continue to appear in new material if not corrected, as others will use older articles as resources. Letters to the editor and/or, opinion editorials in coordination with City media protocol, will also be used as needed to help ensure factual, timely information is published or to counter any misinformation that arises.
Editorial Board Briefings	Within established City protocols and at appropriate milestones, arrange meetings with the editors of daily, weekly, special interest, and multicultural newspapers to provide briefings on One Water LA activities and progress to ensure they have accurate, factual, and timely information. Provide program information and offer to arrange interviews with program members and subject matter experts.
B-Roll Footage	Coordinate producing new B-roll footage, as appropriate, of One Water LA associated facilities and activities for use by media outlets.
Media Tours	Organize a One Water LA system and facility tour to demonstrate the nexus between the various elements of LA's integrated water planning. Coordinate materials, spokespersons, and follow-up activities for these tours.

Table 9 Tactics – Social Media One Water LA 2040 Plan – TM 18.2	
Platform Confirmation	Create a social media plan confirming platforms, purpose, protocols, approval processes, and response mechanisms. One Water LA has a social media presence through Facebook and Twitter. The goal will be to expand the reach of these platforms with up-to-date, engaging content and with cross promotion with other groups or interest areas, including arts, entertainment, sports in order to spread the word about ensuring LA's water future. Work with City department and agencies to confirm the platforms to be used, updated, launched, and monitored.
Social Media Calendar	Within the social media plan, include (and continually) update a six-week calendar identifying topics to cover via the approved platforms.
Content Strategy	Establish a protocol for content style, formatting and visuals to incorporate into the social media plan. Consider creative and entertaining concepts including BuzzFeed-style communication and "Listicle"; hackathons, YouTube videos; SnapChat contests, "10 Best Things" lists, ties to holidays, etc. Include "Did you know" campaign. Campaign will include informational facts that will be posted online to educate and engage individuals.
Consistent Presence	Effective social media relies on continual visibility and engagement information. The social media plan, supported by the calendar, will include responsibilities and assignments to ensure a continual presence.
Partners	Via the POCs identified in other sections, research potential partner social media sites and provide up-to-date posts for their use.
Social Media Advertising	Consider social media advertising to increase reach and impact of social media presence. Examples include Facebook advertising with proven results in maximizing social media presence.
Rapid Response	Carefully monitor platforms to ensure rapid response to comments or questions. It is critically important that the public have accurate information, so media coverage and comments on social media sites will be monitored and factual responses will be prepared as appropriate and needed.

9.8 One Water LA Visibility and Recognition

To make its way through the information clutter today, communication about One Water LA will benefit from consistent and unifying references, including the program name, logo, and visual style that have already been created, along with a coordinated approach to ensure broad distribution and reach. In addition to the above tactics, the following strategies and activities are intended to broaden One Water LA recognition through consistency, accuracy, visibility, identity, and promotion (see Table 10 and Table 11).

Strategies

- Go to audiences. Expand and enhance the One Water LA speaker's bureau program in coordination with existing City speaker's bureaus (including LADWP program).
- Write and share articles.
- Participate in industry programs.
- Apply for awards and recognitions.

Table 10 Tactics – One Water LA Visibility and Recognition, Speakers Bureau One Water LA 2040 Plan – TM 18.2	
Database	Continue to develop, update, and refine an extensive list of key organizations and groups to contact for presentations, based on identified audiences. Collect referrals for additional speaking engagements from other outreach activities. Work with City agencies and contacts to ensure opportunities for underserved and multi-cultural audiences.
Speaker Training	Expand the list of program team members who will be members of the speaker's bureau and provide presentation skills training using the One Water LA presentation and modules identified in Section 9.2. Knowledgeable speakers provide face-to-face opportunities for audience members to ask questions and learn more about One Water LA activities in a familiar setting. Speaking engagements provide an opportunity to measure audience understanding and receptivity, learn more about their concerns, and obtain important feedback that can aid in more effective future outreach efforts. Ensure all speakers have up-to-date program information and other materials such as the program brochure, key messages, and FAQ document and, as appropriate, have support personnel to assist with logistics and equipment.
Presentation Schedule	Determine the list of program speakers and their availability. Coordinate details of each presentation with the group leader or program chairperson. Follow up to confirm the presentation details with the group. Maintain communication with the speaker prior to and on the day of the presentation.
Publicity	Publicize the speaker's bureau in a variety of ways to reach a broad audience. Create a flier describing the program and content. Email the speakers bureau promotional flier to key audiences and community organizations. Post the flier on social media platforms. Distribute the speaker's bureau flier at community events. Encourage City Council offices to offer presentations to their constituent groups.
Coordination	Share One Water LA speaker's bureau information with other City departments, regional agencies, and speakers programs to coordinate, and maximize opportunities for partnerships. As appropriate, train third-party spokespersons on the One Water LA presentation and talking points to expand the reach of information.

Table 10 Tactics – One Water LA Visibility and Recognition, Speakers Bureau One Water LA 2040 Plan – TM 18.2	
Tracking	Continue to have each speaker complete a tracking form immediately following each presentation. This provides key information about the presentation, any needed follow up, audience size, audience questions, and commentary. Information will be included in the ongoing communication metrics assessment outlined in Section 10.
Evaluation	Distribute a presentation evaluation form to the group leader or program chairperson immediately following the presentation. Follow up to obtain the completed form, if needed. Revise the presentation or other outreach aspects as needed based on feedback.
Support Cards	Distribute One Water LA cards on which recipients can acknowledge support and/or request an additional speaker's bureau presentation. Each speaker will have a supply of support cards to distribute as appropriate following presentations.

Table 11 Tactics – One Water LA Visibility and Recognition One Water LA 2040 Plan – TM 18.2	
Program Articles	Draft and submit articles or human interest pieces to industry publications, association newsletters and partner organization publications. Prepare an annual editorial calendar to track opportunities and pitch stories.
Professional and Industry Functions	Update the contact database to include professional and industry organizations (such as American Society of Civil Engineers, American Water Works Association, Water Resource Association, etc.). Provide presentations or informational materials that highlight and provide updates on the City's collaborative and technical approach to watershed-based planning.
Abstracts and Papers	Develop and submit abstracts and papers about One Water LA targeted to specific industry conferences.
Endorsements	Obtain support letters and endorsements, such as those received during Phase 1, to include in materials, online resources, and in other City publications.
Industry and Professional Tours	Modify existing City facility tour opportunities to include materials and talking points related to One Water LA, and consider development of a One Water LA extensive tour demonstrating the connections between drinking water, wastewater, stormwater, runoff, and watersheds. Invite other agencies, the media, or groups to participate in facility tours with informational placards or handouts describing the nexus with One Water LA.

10.0 MEASUREMENT

The Communication Plan and communication needs will continue to evolve along with One Water LA. To maintain effectiveness and course correct when needed, elements of the outreach efforts will be tracked and measured. Some of the methods that can be used to

measure the program's effectiveness and reach, depending on which tactics are implemented, include:

- Surveys responses and results – future results to be measured against initial benchmarks
- Level of social media engagement
- Stakeholder database signups
- Media mentions and key message hits
- Online and in-person information requests and signups
- Number of support cards collected/number of letters or resolutions gathered
- Speakers bureau activities, including number of attendees and feedback
- Event participation and audience
- Conference and industry forums participation
- Tours conducted and volume of attendees
- Awards earned

11.0 INTERNAL COMMUNICATION AND COORDINATION

The first goal identified in this Communication Plan is to provide clear, consistent and synchronized information about One Water LA and its components. That has been accomplished effectively through the internal structures assembled among the LA City departments and other agencies, but will become more cumbersome as program outreach and communication expands and responsibilities broaden. It will be essential to maintain organization, to manage expectations, to remain accountable and transparent, and to uphold high-levels of efficiency.

Implementation steps will be identified and budgeted by the One Water LA team, with strategic counsel from the outreach consultant team. Project team members and roles and responsibilities are outlined on the One Water LA Organization Chart.

12.0 LOOKING AHEAD

A supplement to this document will be an up-to-date table that identifies recommended items and path forward to better "brand" the program, and build understanding about the One Water LA plan and program among key leaders, stakeholders, and general audiences by providing consistent, sustained, repeated, and targeted information. Implementation assumes vetting and prioritization for budgeting purposes, and a combination of City, consultant and outreach sub-consultant resources but central coordination and management of all efforts.

STEERING COMMITTEE MEETINGS

The Steering Committee is an inter-departmental/ agency committee established to guide the development of One Water LA. This committee consisted of City Departments and several regional agencies. Table 2.1 is a list of Phase 2 Steering Committee meetings by date, and includes the purpose of the meeting and topics discussed. For the list of Phase 1 Steering Committee meetings, please see the progress report: Volume 9, Chapter 10.

Table 1 Steering Committee Meetings Stakeholder Engagement Materials One Water LA 2040		
Title	Date	Purpose and Discussion Topic(s)
Steering Committee Meeting (Phase 2) #1	10/15/15	<ol style="list-style-type: none"> 1. Provided One Water LA Updates. 2. Updates regarding progress on relevant projects/efforts were provided by City departments and Regional Agencies. 3. Discussed opportunities and challenges for near-term collaboration.
Steering Committee Meeting (Phase 2) #2	04/19/16	<ol style="list-style-type: none"> 1. Highlighted upcoming work for Phase 2. 2. Held three (3) breakout sessions each categorized by Water Agencies, Transportation Agencies and Site Managers to identify integration opportunities, opportunities for collaboration on funding, and joint marketing/promotion. 3. Discussed Branding and Cross Promotion within City Departments and Regional Agencies.
Steering Committee Meeting (Phase 2) #3	07/28/16	<ol style="list-style-type: none"> 1. Provided overview of Case Study development process and presented gathering & development of short-term integration opportunities (Case Studies). 2. Obtained input from Steering Committee members on Top 10 Case Studies and identified other opportunities for short-term integration. 3. Solicited input on Top 3-5 Case Study Projects. 4. Discussed Cross Promotion.
Steering Committee Meeting (Phase 2) #4	11/02/16	<ol style="list-style-type: none"> 1. Presented near-term integration opportunities (Case Studies) 2. Obtained input from Steering Committee Meeting on long-term integration opportunities. 3. Brainstormed and gathered ideas on policies to promote inter-department/agency collaboration.
Steering Committee Meeting (Phase 2) #5	04/26/17	<ol style="list-style-type: none"> 1. One Water LA Update Presentation 2. Obtained input from Steering Committee Meeting on the draft integrated policies and programs.
Steering Committee Meeting (Phase 2) #6	11/13/17	<ol style="list-style-type: none"> 1. Water Cabinet Policies 2. Phase 2 Policies 3. One Water LA Implementation

Steering Committee Members

Bureau of Street Services

Nishith Dhandha
Robert Gutierrez

Bureau of Engineering

Alfred Mata
Gene Edwards
Kenneth Redd
Michael Affeldt
Mike Sarullo
Al Bazzi

Carollo

Inge Wiersema

Dept. of City Planning

Christopher Pina
Diana Kitching
Erick Lopez
Jonathan Hershey
Michelle Levy
Tom Rothmann

Dept. of Neighborhood

Empowerment
Stephen Box

General Services Department

Michael Salumon

High Speed Rail

Michelle Boehm
Meg Cederoth
Karl Fielding

Los Angeles County

Angela George
Daniel Bradbury

Los Angeles County Zoo

Darryl Pon

Los Angeles Dept. of Building Services

Domenico Barbato
Younan Osama

Caltrans

Patty Watanabe

Los Angeles Dept. of Water and Power

Anthony Tew
Bill Van Wagoner
Mario Acevedo
Serge Haddad
Art Castro

Los Angeles Sanitation

Doug Walters
Heather Repenning
Adel Hagekhalil
Loudmilla Vertanessian
Dale Burgoyne
Mike Simpson
Ali Poosti
Azya Jackson
Eliza Jane Whitman
Rebecca Drayse
Lenise Marrero
Troy Ezeh
Alfredo Magallanes Deborah
Deets
Hubertus Cox
Kosta Kaporis
Ryan Thiha
Wing Tam

Los Angeles Dept. of Transportation

Tomas Carranza
David Somers

Los Angeles Unified School District

Christos Chrysiliou
Talal Balaa

Los Angeles World Airports

Jeffery Smith
Robert Freeman

Los Angeles Mayor's Office

Lauren Faber
Liz Crosson
LA Metro
Cris Liban
Jacob Lieb
Julia Salinas

Metropolitan Water District

Christine Frey
Grace Chan

Port of Los Angeles

Chris Brown

Recreation and Parks Dept.

Tom Gibson

Southern California Assoc. of Governments

Stephen Patchan

US Army Corps. Of Engineers

Ed De Mesa

ADVISORY GROUP MEETINGS

The advisory group was formed through open invitation with emphasis on adequate representation of interests, geographies, and levels of past participation in other water-related stakeholder processes. The Advisory Group conducted four meetings during Phase 1 and nine meetings/conference calls during Phase 2 of the Plan preparation as summarized in Table 2. The findings of Phase 1 are summarized in the Guiding Principles Report, while the meeting materials from the Phase 2 meetings are included on the following pages.

Table 2		
Advisory Group Meetings Stakeholder Engagement Materials One Water LA 2040		
Title	Date	Purpose and Discussion Topic(s)
Stakeholder Advisory Group Meeting (Phase 2) #5	11/3/2015	<ol style="list-style-type: none"> 1. Provided a summary of Phase 1 and an overview of Phase 2. 2. Discussed role and mission of the advisory group. 3. Phase 2 stakeholder participation approach.
Stakeholder Advisory Group Meeting (Phase 2) #6	4/7/2016	<ol style="list-style-type: none"> 1. Special Topic Group Outcomes and Advisory Group Input
Stakeholder Advisory Group Meeting (Phase 2) #7	8/17/2016	<ol style="list-style-type: none"> 1. Get input on the Alternatives Analysis approach. 2. Discuss Evaluation Criteria. 3. Get input on outreach and communications priorities. 4. Share expected future meeting topics
Stakeholder Advisory Group Meeting (Phase 2) #8	10/6/2016	<ol style="list-style-type: none"> 1. Alternative Analysis and Evaluation Criteria. 2. Projects & Project Concepts Discussion. 3. Introduction to Cost Benefit Approach.
Stakeholder Advisory Group Meeting (Phase 2) #9	12/6/2016	<ol style="list-style-type: none"> 1. Debrief of Stakeholder Workshop #4 on 10/26. 2. Debrief of Special Project Ideas Workshop on 11/18. 3. Consensus on Final Evaluation Criteria.
Stakeholder Advisory Group Conference Call	2/19/2017	Discuss One Water LA Progress Report Document.
Stakeholder Advisory Group Meeting (Phase 2) #10	3/22/2017	Draft One Water LA Progress Report Comments from Advisory Group.
Stakeholder Advisory Group Meeting (Phase 2) #11	5/23/2017	One Water LA 2040 Plan Implementation Strategy.

Title	Date	Purpose and Discussion Topic(s)
Stakeholder Advisory Group Conference Call	6/12/2017	One Water LA 2040 Plan Implementation Strategy.
Stakeholder Advisory Group Meeting (Phase 2) #12	10/23/17	Discuss comments on the Draft Executive Summary
Stakeholder Advisory Group Meeting (Phase 2) #13	2/23/18	<ol style="list-style-type: none"> 1. One Water LA Executive Summary 2. Stakeholder Meeting and Presentation 3. Implementation Committees and Next Steps

Advisory Group Members

Carolyn Casavan – Sherman Oaks Neighborhood Council
Brad Cox – Los Angeles Business Council
Jack Humphreville – Greater Wilshire NC
Ken Murray, MD – Wilderness Corps
Louise McCarthy – Community Clinic Assoc. of LA County
David Nahai - David Nahai Companies
Mike O’Gara - Sun Valley Area Neighborhood Council
Veronica Padilla – Pacoima Beautiful
Kelly Sanders – University of Southern California
Melanie Winter – The River Project

ADVISORY GROUP MEETING #5 (11/03/15)

The following page presents the meeting agenda, presentation and summary from the Advisory Group Meeting #5, held on November 3, 2015.

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One Water LA Plan Phase 2 Advisory Group Meeting #5 Proposed Agenda

Tuesday, November 3, 2015

1:00 p.m. – 3:00 p.m.

2714 Media Center Drive, L.A. 90065 (Board Room)

- (10 Min.) Welcome & Introductions – Lenise Marrero, One Water Project Manager
- (10 Min.) One Water LA Phase 2 Consultant Team – Lenise Marrero, Tom West, Project Director, Carollo Engineers
- (20 Min.) One Water LA Update – Lenise Marrero, Tom West
- Phase 1 Summary
 - Phase 2 Project Overview (*handout*)
 - Project Schedule Timeline (*handout*)
- (30 Min.) Role and Mission of Advisory Group in Phase 2 (*handout*) – Lewis Michaelson, Facilitator, Katz & Associates
- Advisory Group Composition
 - Meeting Frequency
- (25 Min.) Phase 2 Stakeholder Participation Approach (*handout*) – Lewis Michaelson
- Steering Committee
 - Stakeholder Workshops
 - Technical Subgroups
 - Special Topic Subgroups
 - Focused Meetings
- (15 Min.) Open Discussion/Comments – Lewis Michaelson
- (10 Min.) Wrap Up/Next Steps – Lewis Michaelson and Lenise Marrero
- Stakeholder Workshop: Thursday, December 10th (12 p.m. - 4 p.m.)



One Water LA Advisory Group Meeting # 5 Meeting Notes
Tuesday, November 3rd, 2015- 1:00PM –3:00PM
2714 Media Center Drive, Los Angeles, CA 90065 (Board Room)

The purpose of these notes is to provide an overview of the meeting. They are not intended as a transcript or as minutes. Major points are summarized herein, primarily for context.

Meeting Attendees

Advisory Group Members

1.	Carolyn Casavan	Sherman Oaks Neighborhood Council
2.	David Nahai	David Nahai Companies
3.	Jack Humphreville	Greater Wilshire Neighborhood Council
4.	Ken Murray	Wilderness Corp
5.	Veronica Padilla	Pacoima Beautiful
6.	Melanie Winter	The River Project
7.	Mike O’Gara	Sun Valley Area Neighborhood Council

One Water LA Team

1.	Facilitator	Lewis Michaelson	Katz&Associates
2.	One Water LA Team	Lenise Marrero	LASAN
3.	One Water LA Team	Eliza Jane Whitman	LASAN
4.	One Water LA Team	Azya Jackson	LASAN
5.	One Water LA Team	Rebecca Drayse	LASAN
6.	One Water LA Team	Ali Poosti	LASAN
7.	One Water LA Team	Doug Walters	LASAN
8.	One Water LA Team	Troy Ezeh	LASAN
9.	One Water LA Team	Serge Haddad	LADWP
10.	One Water LA Team	Steve Nikaido	LASAN
11.	One Water LA Team	Inge Wiersema	Carollo Engineers
12.	One Water LA Team	Tom West	Carollo Engineers
13.	One Water LA Team	Karen Snyder	Katz & Associates

Welcome & Introductions

The One Water LA Team and the Consultant Team were introduced to Advisory Group members in attendance.

One Water LA Update

The One Water LA Team in collaboration with Carollo Engineers Inc. presented a PowerPoint to provide a brief overview of major Phase 1 accomplishments, ongoing One



Water LA efforts, Phase 2 objectives and the Phase 2 project schedule. Advisory Group questions and comments as well as City responses are briefly summarized below:

- Can the Advisory Group receive detailed information on what the sub-consultants are tasked with for Phase 2?
 - The One Water LA Group agreed to provide this information.
- Why is groundwater aquifer remediation and groundwater recharge not listed on the slide (Phase 2 Objectives)?
 - It was mentioned that One Water LA is going to assemble what all the City departments are doing (e.g. Stormwater Capture Master Plan, EWMPs, Groundwater Replenishment, etc.) and look for areas to integrate efforts. One Water LA is a bookshelf for both current and future water-related efforts.
- Advisory group member mentioned that when it comes to infrastructure repair, lines of communication must improve in order to lead to good integration opportunities.
- It was mentioned that several items on slide (Phase 2 objectives) need a more detailed explanation.
- A question was raised regarding Prop 1 funding and whether the One Water LA Plan would be prepared to meet upcoming grant application deadlines.
 - It was mentioned that there are multiple Agencies providing Prop 1 funding and these agencies have later deadlines. It was also stated that the One Water LA Plan will be prepared to go after the larger pots of money and One Water LA projects would fit grant criteria requirements (e.g. water quality, water supply, etc.). One Water LA will also look to partner with foundations for funding.
- It was suggested that the One Water LA timeframe needs to be clearer to the public. There is difference between a timeframe for when the consultants will deliver the plan (2017) versus a timeframe for when the actual plan will be implemented (towards the year 2040).
 - It was stated that One Water LA Guiding Principles will be incorporated in things that the City is doing right now even though the One Water LA Plan isn't adopted.

Role and Mission of Advisory Group in Phase 2

Katz & Associates Inc. went over the mission and expected role of the Advisory Group during the Phase 2 planning effort. The level of input (e.g. consult, involve, collaborate) expected from Advisory Group members for Phase 2 Tasks was also presented to the group. Comment(s) made by Advisory Group members are briefly summarized below:

- The majority of Advisory members wanted to increase their level of involvement on the Wastewater Facilities Plan from “consult” to “involve”.



Phase 2 Stakeholder Participation Approach

Katz & Associates presented a handout illustrating the multiple groups who would provide input to the One Water LA Team throughout the Phase 2 Planning effort. Advisory Group members were asked if they would be willing to expand the Advisory Group for the purpose of including water-related Organizations that are underrepresented in the Group. Suggestions of potential Organizations to include in Advisory Group Meetings, Special Topic Group Meetings and Technical Subgroup Meetings are listed below:

- BIA Rep, First Nations (Native Americans)
- LA Business Council Chamber
- Brewers
- Academia
- Agriculture
- Golf Courses/Cemeteries
- Political consultants
- JPL
- Climate Scientists
- Investors/Capitol
- Tourism
- Public Health

Open Discussion/Comments

Comments raised by Advisory Group members during the open discussion period are summarized below:

- The Advisory Group should not exceed 10 people.
- Include a representative from the CAO's office at future Steering Committee Meetings and Advisory Group Meetings.
- For future agendas, place agenda items in the form of a question that needs to be answered so that all significant issues would be addressed in conclusion of future meetings.
- The City needs publicize their water-related efforts because most people in the public are unaware.
- Will there be Advisory Group input on Special Studies?
- There should be more focus on informing the public on what is happening with the Plan.



Wrap Up/Next Steps

- Advisory Group Meetings will remain quarterly.
- One Water LA Stakeholder Workshop #4 is scheduled for Thursday, December 10th, 2015 from 12 p.m. to 4 p.m.

#	<u>Action Items</u>	<u>Dept. Responsible</u>	<u>To be Complete by:</u>
1	Provide One Water LA Team with recommended organizations to include in future Advisory Group meetings and other sub-group meetings.	Advisory Group	Provided

One Water LA

ADVISORY GROUP MEETING #5
November 3, 2015



Innovation • Integration • Inclusion



Today's Meeting Objectives



1. Clear understanding of Advisory Group roles for Phase 2
2. Clear understanding of the Phase 2 objectives
3. Understand and support expansion of the Advisory Group
4. Get your support for a strong, value-added December 10 stakeholder meeting.



Innovation • Integration • Inclusion

2



One Water Consultant Team Composition Covers One Water LA Project Needs



- Carollo Engineers
- MWH
- Geosyntec
- Katz and Associates
- SGA
- CDM Smith
- CH2M
- Larry Walker Associates
- Dake/Luna
- Tetra Tech
- Parsons
- More than 20 other specialty consultants focusing on:
 - Outreach
 - Technical advisory
 - Funding support
 - Project development



Innovation • Integration • Inclusion

3



ONE WATER LA UPDATE



4



Major Phase 1 Accomplishments



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



- Meetings/Collaboration:
 - Over 20 City meetings with individual departments and regional agencies



- 3 Stakeholder Workshops
- 4 Advisory Group Meetings



- Developed Initial Water Balance Tool



On Going One Water LA Accomplishments



- Collaboratively developing draft of over 40 “Low-Hanging Fruit” policies



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



- Working on RW Use in Concrete Mixing



- Greywater and Satellite Treatment Plant Preliminary Research/Studies

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



One Water LA Phase 2 Objectives



1. Develop Facility/CIP Plans

- ✓ Wastewater/Recycled Water
- ✓ Stormwater and Urban Runoff



2. Utilize Effective Planning Tools

- ✓ Build on Prior Work
- ✓ Water Balance Model
- ✓ Sensitivity Analysis
- ✓ Cost-Benefit Analysis



3. Provide One Water Program Support

- ✓ Policies and Ordinances
- ✓ Funding Assistance
- ✓ Special and Pilot Studies



4. Effectively Engage Stakeholders

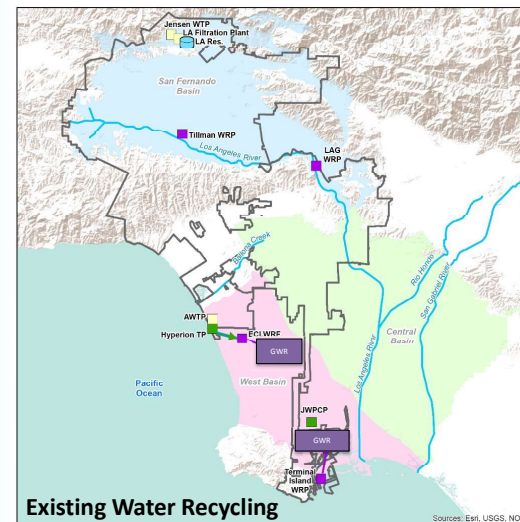
- ✓ Expand stakeholder participation.
- ✓ Enhance stakeholder experience.
- ✓ Integrate water planning among City departments
- ✓ Integrate City water planning with Regional planning

5. Meet Deadlines

- ✓ Final Plan by January 2017.



Phase 2 is identifying solutions to meet the City’s local supply goals through expanded water recycling.



Issues Being Considered

- Declining sewer flows
- Potable reuse
- Cost
- Regional collaboration
- LA River
- and more . . .



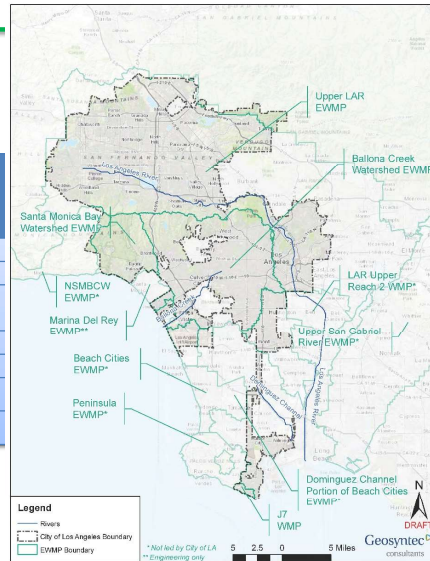


Phase 2 will incorporate work from all four City EWMP watersheds



City-Led EWMPs – 4 Watersheds	
Metals	2037 – Upper LAR 2021 – Ballona Creek
Toxics/ Metals	2032 – Dominguez Channel*
Bacteria	2021 – SMB, Ballona Creek 2037 – Upper LAR
Costs (Capital only):	\$8B
Cost/Year:	Up to \$820M/YR

* Multiple milestones



Phase 2 will also incorporate Water Supply for all City watersheds



Stormwater Capture Master Plan	
Milestones:	2020, 2025, 2035
Water Supply Opportunity (AF/YR)	60,000 – 105,000
Cost effectiveness (Capital + O/M)	\$1,400/AF

Purchased Water Offset



Phase 2 Will Be Examining Special Topics through Pilot and Special Studies



- Greywater Systems
- Satellite Treatment Facilities
- Stormwater Treatment Technologies
- Los Angeles River
- and Others



Phase 2 Will Use the Vision, Objectives, and Guiding Principles Developed During Phase 1



1. **Integrate management of water resources and policies** by increasing coordination and cooperation between City departments, partners and stakeholders.
2. **Balance environmental, economic, and societal goals** by implementing affordable and equitable projects and programs that provide multiple benefits to all communities.
3. **Improve health of local watersheds** by reducing impervious cover, restoring ecosystems, decreasing pollutants in our waterways, and mitigating local flood impacts.
4. **Improve local water supply reliability** by increasing capture of stormwater, conserving potable water, and expanding water reuse.
5. **Implement, monitor, and maintain a reliable wastewater system** that safely conveys, treats and reuses wastewater, while also reducing sewer overflows and odors.
6. **Increase climate resilience** by planning for climate change mitigation and adaptation strategies in all City actions.
7. **Increase community awareness and advocacy for sustainable water** by active engagement, public outreach and education.





Task	OCT 2015	NOV 2015	DEC 2015	JAN 2016	FEB 2016	MAR 2016	APR 2016	MAY 2016	JUN 2016	JUL 2016	AUG 2016	SEP 2016	OCT 2016	NOV 2016	DEC 2016	JAN 2017
One Water LA 2040 Plan Phase 2 Deliverable																
1 City's Existing Conditions and Current Water Integration Activities																
2 City's Expected Future Flows																
3 Potential for Integration of Currently Planned Projects and Programs																
4 Identify Funding Strategies																
5 Water Integration Strategies and Alternatives																
6 Cost-Benefit Analysis for Integrated Analysis																
7 Wastewater Facilities Plan incl. CIPs																
8 Stormwater and Urban Runoff Facilities Plan incl. CIPs																
9 Relevant Project Timeline																
10 Implementation Strategies																
11 Recommendations for Pilot Studies and Reports																
12 Special Studies																
13 Recommendations for City-wide Policies and Ordinances																
14 Supporting Graphics																
15 Final Plan																
16 Programmatic Environmental Documentation (2017)																
17 Conduct Stakeholder Activities & Meetings																
Steering Committee: quarterly (6)																
Advisory Committee: monthly (8)																
Stakeholder Meetings (6)																
18 Conduct Public Outreach and Marketing Strategy																
19 Project Management and Meetings																



One Water LA Vision

One Water LA is a collaborative approach to develop an integrated framework for managing the City's water resources, watersheds, and water facilities in an environmentally, economically and socially beneficial manner.

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.



QUESTIONS?



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ADVISORY GROUP MEETING #6 (04/07/16)

The following pages present the meeting agenda and summary from the Advisory Group Meeting #6, held on April 7, 2016.

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One Water LA Plan Phase 2 Advisory Group Meeting #6 Agenda

Thursday, April 7, 2016

10:00 a.m. – 11:30 a.m.

2714 Media Center Drive, L.A. 90065 (IWMD Conf. Rooms 2A & 2B)

Meeting Objectives:

- Introduce new members and confirm Advisory Group path forward throughout Phase 2.
- Discuss Special Topic Group meetings and obtain Advisory Group member observations of activity to date and recommendations for meetings #2 and #3.
- Obtain input on construct of Special Topic Group report-outs and objectives for stakeholder workshop in May 2016.

Agenda

1. Welcome and Introductions – Lenise Marrero, One Water Project Manager 10 a.m.
2. Agenda Review – Lewis Michaelson, Facilitator, Katz & Associates 10:10 a.m.
3. Special Topic Group Outcomes and Advisory Group Input 10:25 a.m.
 - Funding, Cost Benefit Analysis
 - Outreach and Communication
 - Partnerships, Collaboration, and Innovation
 - Stormwater and Urban Runoff
 - Decentralized Treatment/Reuse
4. Wrap Up/Next Steps – Lewis Michaelson and Lenise Marrero 11:15 a.m.
 - Future Meetings



CITY OF LOS ANGELES
One Water LA Advisory Group Meeting # 6 Meeting Notes
Thursday, April 7th, 2016- 10:00AM –11:30AM
2714 Media Center Drive, Los Angeles, CA 90065 (IWMD Conf. Rooms 2A/ 2B)

Meeting Attendees

Name	Dept/Organization
1. Jack Humphreville	Greater Wilshire Neighborhood Council
2. Mike O’Gara	Sun Valley Area Neighborhood Council
3. Melanie Winter	The River Project
4. Louise McCarthy	Community Clinic Association
5. Brad Cox	LA Business Council
6. Kelly Sanders	USC
7. David Nahai	DNCS
8. Carolyn Casavan	Sherman Oaks Neighborhood Council
9. Ali Poosti	LASAN
10. Lenise Marrero	LASAN
11. Eliza Jane Whitman	LASAN
12. Troy Ezeh	LASAN
13. Azya Jackson	LASAN
14. Serge Haddad	LADWP
15. Steve Nikaido	LASAN
16. Hyginus Mmeje	LASAN
17. Denise Chow	LASAN
18. Tom West	Carollo Engineers
19. Inge Wiersema	Carollo Engineers
20. Lewis Michaelson	Katz & Associates
21. Karen Snyder	Katz & Associates
22. Jack Baylis	LASAN-OWLA

PURPOSE AND ORGANIZATION OF MEETING NOTES

The purpose of these notes is to provide an overview of the meeting. They are not intended as a transcript or as minutes. Major points are summarized herein, primarily for context.

Advisory Group members made many comments and asked questions during the meeting. These are captured and paraphrased in some cases for brevity.



Welcome & Introductions

Katz & Associates welcomed all meeting attendees. New and existing Advisory Group members in addition to the One Water LA team were introduced. Katz & Associates discussed the meeting objectives listed below:

- Discuss Special Topic Group meetings and obtain Advisory Group observations of activity to date and recommendations for meetings #2 and #3.
- Obtain input on the construction of Special Topic Group report-outs and objectives for next stakeholder workshop.

Special Topic Group Outcomes and Advisory Group Input

A One Water LA Team member from each of the five Special Topic Groups provided an overview of the key highlights from the group's first meeting. Advisory Group members provided the following comments and questions after each Special Topic Group Meeting overview. Comments and questions are summarized below:

Funding, Cost Benefit Analysis Special Topic Group

- Meeting didn't focus on key aspects and mutual benefits.
- Meeting didn't discuss how the County is going to fit into the One Water LA program.
- Meeting didn't discuss basic plans about how much the One Water LA Plan is going to cost; what the impact will be to rate payers; and how much will be borne by LADWP and LASAN.
- Future meetings need to focus on specific topics; less time on introductory discussion.
- Meetings need to identify outcomes. What approaches will help achieve the outcomes? We don't want to end up with a plan not knowing what it is going to cost.
- Plan needs to expand where we are looking for money to fund projects. Contributors have to pay their fair share (e.g. automobiles contributing to stormwater pollution, for example).
- We need to identify where we are now – in City and in County; water does not recognize boundaries.
- We need to develop a tool first and identify the data inputs before we start looking for funds. Tool will be able to determine who benefits from any given project. A tool needs to be developed for all water-related projects not just for a specific project.
- Subtopics on critical issues need to be addressed at the next meeting.
- Language is important – cost before benefit, or benefit before cost.
- The One Water LA Team noted that a consultant is on board for both funding and cost benefit analyses and the Special Topic Group helps inform that work and the development of tools.
- Act now to utilize existing funds to implement water-related projects.



Outreach and Communication Special Topic Group

- For the rate increase, LADWP did a great job with outreach; they took time to help the public understand and they built a level of trust in the spokespersons. They would tell you bad news and good news. One Water LA needs that same focus and consistent spokesperson/face.
- One Water LA should discuss actions that community groups can take to assist One Water LA with outreach.
- A missing message deals with where water falls in the priority of everything? You need to take care of your water and your air first, otherwise you have nothing.

Partnerships, Collaboration and Innovation Special Topic Group

- For all of these Special Topic Groups, in the first meeting we were trying to find our bearing; trying to find our rules. With all of these, the committees weren't sure of the ground rules. Next meetings will tend to be more focused and concentrated.
- It's important first to see the end goal. Then things will fall into place for the committees. There are partnerships everywhere, we need to know objectives. Focused, concentrated, deliberative discussion.
- Building trust and having a story are critical. The story will not be the same everywhere; it will be different for projects, locations, etc.
- What is the end goal for One Water LA? Knowing the end goal will help determine who needs to be brought in. Additionally, One Water LA should identify what the programs are prior to determining partnership and/or collaboration opportunities.
- Figure out the barriers for partnerships and collaboration.
- Focus on kids to communicate the One Water LA philosophy by starting at the elementary level.
- Engage business partners to develop upstream solutions. Look into designing an incentives program (e.g. incentives for managing stormwater onsite).
- Partnerships need to be underscored in each Special Topic Group.
- If what we're trying to do is something bigger than just a treatment plant – we have to really talk about what we're doing here. We need to allow enough time to do it right.
- We do have a big picture message to communicate; we need to act – and that means concentrating on projects. It may be that along the way some mistakes will be made, but we have to move forward. These committees should be focused toward action.
- Don't undercut the big message while talking about the specific messages – we have to have the larger conversation to inform project discussion.

Stormwater and Urban Runoff

- Many things have been pilots too long; need to have a plan to move from pilot to broadly applicable with eye to which agency would be involved. Need to make sure all agencies work together to address items that ED5 has not captured.



- There are a lot of ideas and not enough action. And the County covers a large area – in that regard you have to consider all.
- We can't just deal with the people at the highest level in the agencies; people in the trenches will often know the real issues.
- It's going to have to be a network that moves this forward, so as some agencies aren't able to do something, others can fill in and keep moving.
- A fundamental part of what the county is going to have to do for their tax initiative is outreach and communication. How can we piggyback and join efforts?

Decentralized Treatment/Reuse

- Public health issues are a concern. Adding monitoring components may seem like a burden but they're very important. The same concern exists for greywater.
- We have a very centralized system that is very challenged because of conservation, etc. That centralized system cannot persist economically. We're not addressing because we're not exploring the future of decentralized systems.
- One of guiding principles was to maximize existing facilities before decentralizing; that may be part of the perception that we didn't want decentralization.
- Outcome from meetings should be laying the groundwork now for decentralized systems in the City of LA.

Wrap Up/Next Steps

- Next STGs are being scheduled. The planning team will discuss whether meeting times should be expanded or if we should add fourth meeting.
- Next Advisory Committee will focus on policies and will include report out from steering committee which is being held next week.
- Next stakeholder workshops will be broken into two. The next will likely be May 26th and will include report out from about three Special Topic Groups

#	<u>Action Items</u>	<u>Dept. Responsible</u>	<u>To be Complete by:</u>
1	Send out detailed meeting summaries for each Special Topic Group Meeting.	One Water LA	Completed

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ADVISORY GROUP MEETING #7 (08/17/16)

The following pages present the meeting agenda, summary of the discussion, and the presentation given at the Advisory Group Meeting #7, held on August 3, 2016.

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**One Water LA Phase 2
Advisory Group Meeting #7
Agenda**

Wednesday, August 17, 2016
9:30 a.m. – 11:30 a.m.
2714 Media Center Drive, L.A. 90065 (Board Room)

Meeting Objectives:

- Get input on the Alternatives Analysis approach, in particular where there are opportunities/challenges on both transparency and effectiveness
- Get input on Evaluation Criteria
- Get input on outreach and communications priorities going forward
- Share expected future meeting topics

Agenda

- | | |
|--|-------------------|
| 1. Welcome and Introductions | 9:30 a.m. |
| 2. Alternatives Analysis Background | 9:35 a.m. |
| 3. Evaluation Criteria Discussion | 10:05 a.m. |
| 4. Outreach and Communication Priorities Discussion | 11:00 a.m. |
| 5. Review Upcoming Advisory Group Meetings | 11:25 a.m. |
| 6. Closing | 11:30 a.m. |

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One Water LA
Advisory Group Meeting #7
Wednesday, August 17, 2016 9:30AM- 11:30AM
2714 Media Center Drive, Los Angeles 90065 (Board Room)

Meeting Summary

The purpose of this summary is to provide an overview of the discussion topics, including ideas, solutions and issues. It is not intended as a transcript or as minutes.

Meeting Attendees

Advisory Group Members

1.	Carolyn Casavan	Casavan Consulting
2.	David Nahai	David Nahai Companies
3.	Kelly Sanders	USC
4.	Ken Murray	Wilderness Corp
5.	Louise McCarthy	Community Clinic Association of LA County
6.	Melanie Winter	The River Project
7.	Mike O’Gara	Sun Valley Area Neighborhood Council

One Water LA Team

1.	Facilitator	Lewis Michaelson	Katz&Associates
2.	One Water LA Team	Lenise Marrero	LASAN
3.	One Water LA Team	Eliza Jane Whitman	LASAN
4.	One Water LA Team	Azya Jackson	LASAN
5.	One Water LA Team	Rebecca Drayse	LASAN
6.	One Water LA Team	Denise Chow	LASAN
7.	One Water LA Team	Flor Burrola	LASAN
8.	One Water LA Team	Troy Ezeh	LASAN
9.	One Water LA Team	Serge Haddad	LADWP
10.	One Water LA Team	Anthony Tew	LADWP
11.	One Water LA Team	Bob Sun	LADWP
12.	One Water LA Team	Darline Truong	LADWP
13.	One Water LA Team	Tom West	Carollo Engineers Inc.
14.	One Water LA Team	Karen Snyder	Katz & Associates

Welcome and Introductions

Advisory Group members introduced themselves to the One Water LA Team. The One Water LA team, which consisted of LASAN, LADWP and consultant staff, also gave brief introductions.



The agenda was presented to the group and the following meeting objectives were reviewed:

- Get input on the Alternatives Analysis approach, in particular where there are opportunities/challenges on both transparency and effectiveness
- Get input on Evaluation Criteria
- Get input on outreach and communications priorities going forward
- Share expected future meeting topics

Alternatives Analysis Background

Please refer to the PowerPoint Presentation (Slides 4-14)

The One Water LA Team mentioned that the overall goal of the Alternative Analysis was to identify the best implementation strategy to achieve One Water LA objectives coupled with the City’s Sustainability plan goals related to water. The outcome of the Alternatives Analysis will be a preferred portfolio of projects that have gone through a detailed screening process. Advisory Group members, the Steering Committee and the large group of stakeholders will have input on developing the criteria for screening projects and portfolios.

Advisory group members provided the following comments and questions summarized below:

- Take out the word major when it comes to projects and concepts. The group agreed to remove “Major” from the desired outcome of the Alternatives Analysis which is a prioritized list of projects aligned with One Water LA objectives and the Sustainability pLAN.
- The word “facilities” shouldn’t be used when it comes to Stormwater and Urban Runoff. Assessing low flow diversions and pumping plants to see if there is a need to upgrade/rehab them is only one component of the plan but the largest component of the plan shouldn’t be facilities. The One Water LA team responded that “facilities” is meant to encompass green infrastructure and the intent of using the term is to elevate green infrastructure as a critical component of the plan. The group agreed to continue the discussion of the use of the word facilities with interested members of the Advisory Group.
- There has to be a balance between centralized and decentralized. There is the facilities side where you have to plan for having adequate facilities and infrastructure and then there is the distributed side where we should have policies and programs in place and account for the impact of distributed projects so we don’t overbuild our infrastructure.
- Replace “Stormwater Capture” with “Stormwater Management” as a project category for concepts being considered. Stormwater Management is inclusive of stormwater capture, water quality and flood mitigation.



- It wouldn't be wise for the City to list Ocean desalination as a potential project in the alternatives analysis. So much work has been done already and it is well known that ocean desalination isn't cost-effective. There are so many other things that the City should be considering (e.g. water recycling, stormwater capture, etc.).
- Include graywater under the Water Recycling project category. We have to accommodate the use of graywater systems in people's homes and office buildings because it is the future. The group agreed to include potential policies for graywater use and to also estimate projected impacts of graywater use on existing treatment facilities and infrastructure.
- One Water LA should normalize projects from a scientific and potential perspective against each other. For example, look at the stormwater capture potential of the entire City in terms of volume and look at how much that would cost per volume. Conversations would get more clarification because ocean desalination would be expensive compared to some methods of stormwater capture.
 - Marginal Cost Curve: 1) Look at the entire volume of water available in LA, 2) Take different projects and assign them a cost to see how much cost per volume projects would have.
- 10 MGD is too large of a number for considering project concepts.
- Add Los Angeles Basin Stormwater Conservation Study under the Water Conservation Project Category.

Evaluation Criteria Discussion

Please refer to the PowerPoint Presentation (Slides 15-17)

The draft evaluation criteria for projects and portfolios were presented. Advisory group members provided the following comments and questions summarized below:

- The criteria doesn't address the value of the project or the actual cost-benefit of the project. Screening matrix needs to be a bit more detailed and aligned with One Water LA objectives. One Water LA objectives missing on the draft project screening matrix include:
 - Climate Change Mitigation and Adaptation Strategies in all City actions
 - Improving health of local watersheds
 - Water Supply Reliability
- The project and portfolio screening matrix should be connected to the work already done in the LA Basin Study Analysis to develop a better list of benefits and costs.
- It was mentioned that One Water LA would use other references (e.g. LA Basin Stormwater Conservation Study) as a starting point and guide to develop a criteria for screening projects.
- When scoring projects and portfolios have a legend for the scores (e.g. what is a 5 or 1?) and explain how the scores are derived.



- The Benefits Matrix should include the One Water LA Objectives and align them with Plan Goals including Watershed Health. There should be a column for each of the One Water LA objectives.
- The project screening should be more detailed than the portfolio screening. Project level screening would look at cost, benefits etc. Use Basin Study analysis which includes criteria weighting. Portfolio screening could be grouped in more general things easy to comprehend for the Sustainability pLAn and One Water LA objectives.
- There was a request from Advisory Group members to have input during project/portfolio evaluation and ranking process
- Portfolio screening criteria should be grouped so that they tie more closely to One Water LA objectives.
- For the portfolio evaluation criteria there needs to be a discussion on the meaning of implementation risk, resilience, environmental, etc. because the way they are sorted is not intuitive
- We have to look at where we are ultimately headed when developing portfolio criteria so that we don't overbuild our infrastructure and then realize that we did not need that infrastructure.

Outreach & Communication Priorities Discussion

Please refer to the PowerPoint Presentation (Slides 18-20)

Katz & Associates briefly discussed the upcoming objectives for outreach and asked for input from the Advisory Group on how the One Water LA Team could further expand its stakeholder database, and identify opportunities to get into detailed discussions with other groups and obtain key input.

Advisory group members provided the following suggestions and comments summarized below:

- Reach out to Community Groups and meet with the type of people who will most likely comment on the final One Water LA 2040 Plan.
- Attend the Annual Neighborhood Council Congress.
- Present to Alliances and also speak to individual Neighborhood Councils who are interested in One Water LA.
- Reach out to the Homeowners Association and Non-Governmental Organizations involved in water.
- Collaborate with Universities and consider them as potential resources for unbiased analysis and conduct research on ranking projects/portfolios to ultimately identify an implementation strategy. Target research areas could be identified.
- Utilize social media to attract water-related groups that the City may be unaware of. Social media would also allow an ongoing education process which is critical in the long run for One Water LA gaining public acceptance.
- Use the professional media to reach out for One Water LA with an engaging story which will reach people that One Water LA isn't able to reach.



- Consider timing and make sure you have something prepared with enough detail for groups who have not been involved to react to.

Review Upcoming Advisory Group Meetings

Please refer to the PowerPoint Presentation (Slide 21)

- Upcoming Advisory Group Meetings will be held in September, October, November and January.

Action Items & Next Steps

Advisory Group to:

- Provide additional input on Groups for One Water LA Team to conduct outreach to.

One Water LA Team to:

- Send draft alternatives analysis approach to Advisory Group.
- Align criteria for screening projects and portfolios with One Water LA objectives.
- Define project screening criteria taking into account what has been done already (e.g. LA Basin Stormwater Conservation Study).

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ADVISORY GROUP MEETING #7



Today's Objectives

1. Solicit your feedback on the alternatives analysis approach
 - *As stakeholders, what seems to work with this approach, and what doesn't?*
 - *What needs to be clarified further?*
2. Get your input to help shape the evaluation criteria for screening projects and evaluating portfolios
3. Share outreach and communication objectives for the next 6 months



3

AGENDA

1. Welcome, Introductions and Today's Objectives
2. Alternative Analysis Background: Objectives, Approach and Timing
3. Evaluation Criteria Discussion
4. Priorities for Outreach and Communications Going Forward
5. Upcoming Advisory Group Meetings
6. Workshop Reminder



2

ALTERNATIVE ANALYSIS BACKGROUND





Targets:

Water Conservation

- Reduce per capita potable water use by 25% by 2035

Water Supply:

- Reduce purchase of imported by 50% by 2025
- Increase locally sourced water to 50% by 2035

Wastewater & Recycled Water:

- Reduce sewer spills to fewer than 100 (2025) and 67 (2035)
- Increase production of RW by 6 mgd by 2017
- Expand recycled water production to incorporate IPR/DPR

Stormwater:

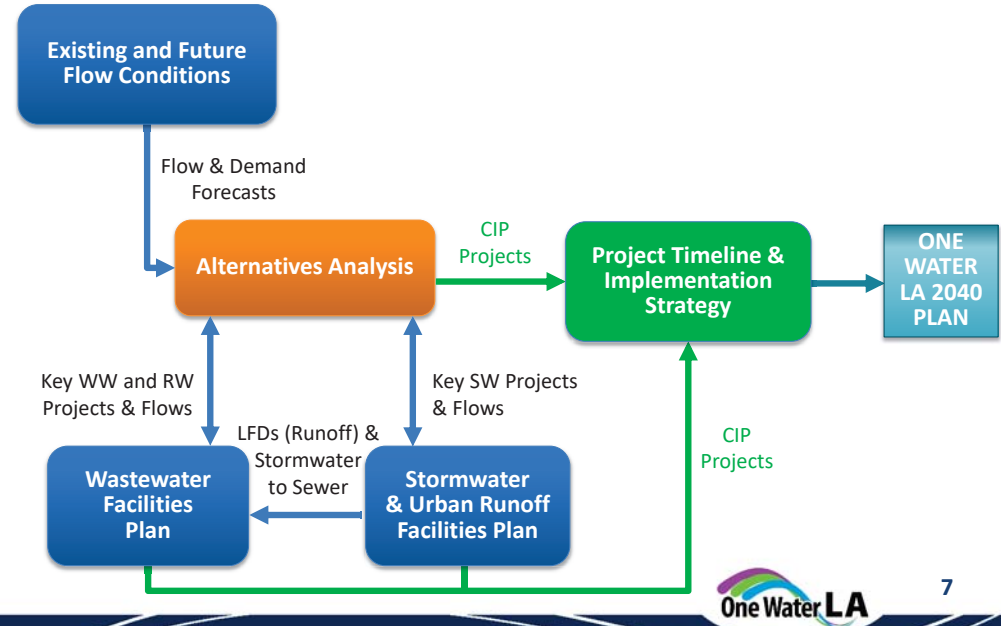
- Increase stormwater capture to 150,000 afy by 2035
- Improve dry weather beach water quality GPA to 4.0 by 2035
- Improve wet weather beach water quality GPA to 3.5 by 2035
- Implement EWMPs for MS4 permit compliance
- Revitalize LA River



Objectives:

- Integrate management of water resources and policies by increasing coordination and cooperation between all City departments, partners and stakeholders.
- Balance environmental, economic, and societal goals by implementing projects and programs that provide multiple benefits to our communities.
- Improve health of local watersheds by reducing impervious cover, restoring ecosystems, decreasing pollutants in our waterways, and mitigating local flood impacts.
- Improve local water supply reliability by increasing capture of stormwater, conserving potable water, and expanding water reuse.
- Implement, monitor, and maintain a reliable wastewater system that safely conveys, treats and reuses wastewater, while also reducing sewer overflows and odors.
- Increase climate resilience by planning for climate change mitigation and adaptation strategies in all City actions.
- Increase community awareness and advocacy for sustainable water by active engagement and public outreach.

CORE TASKS OF THE ONE WATER LA 2040 PLAN

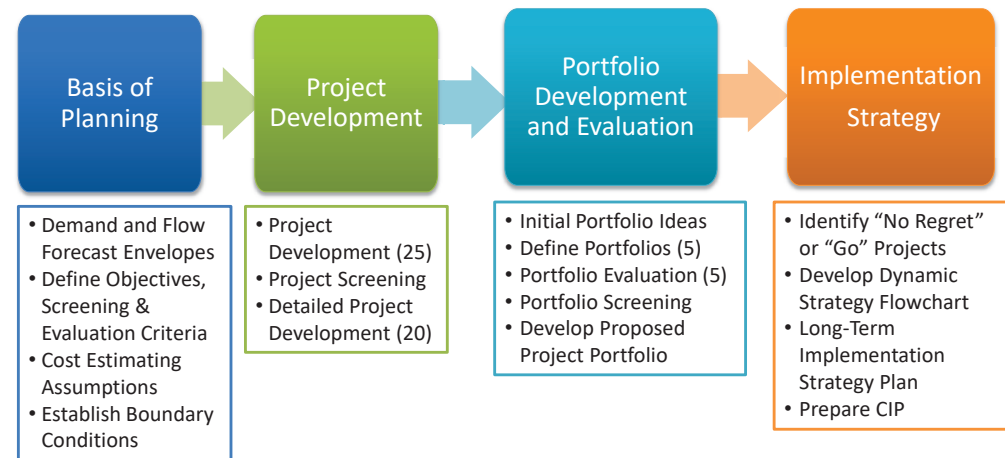


ALTERNATIVE ANALYSIS GOAL

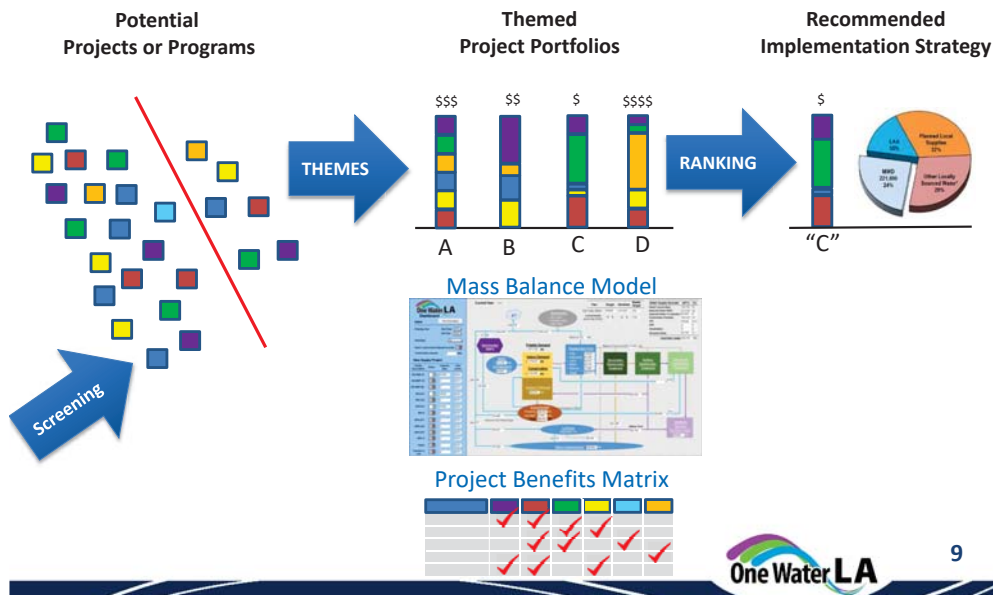
- **Goal:** Identify the best implementation strategy to achieve the One Water LA Objectives coupled with the City's Sustainability Plan goals related to water
- **Desired Outcome:** A prioritized list of major projects that are in alignment with One Water LA objectives, collectively achieve the City's Sustainability Plan goals with a dynamic trigger-based implementation plan



ALTERNATIVE ANALYSIS – SCOPE OVERVIEW



ALTERNATIVES ANALYSIS – PROCESS OVERVIEW



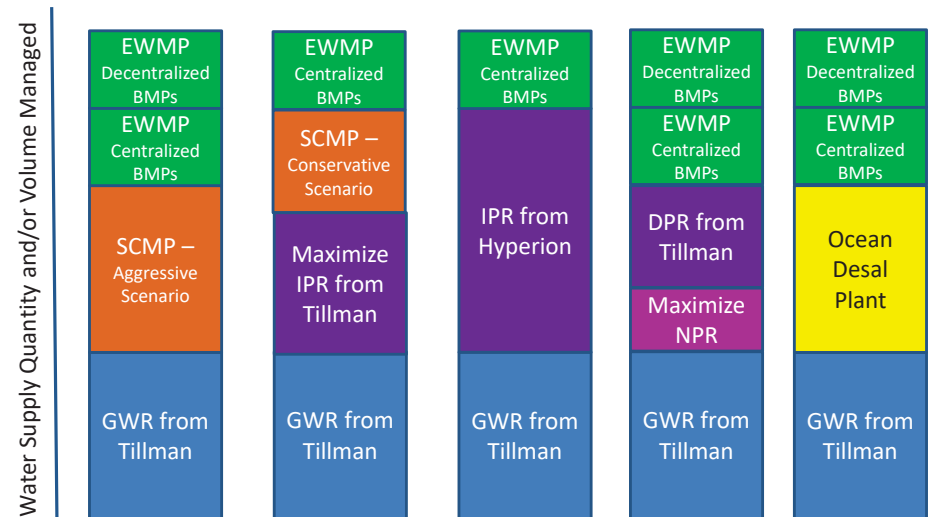
EXAMPLE PORTFOLIO THEMES



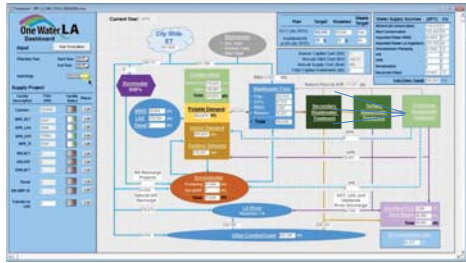
EXAMPLE MAJOR CONCEPTS BEING CONSIDER

Project Category	Potential Projects to Consider
Potable Water Supply	DPR from Tillman and Hyperion Ocean Desalination Maximize Groundwater Recharge
Water Recycling	30,000 afy GWR project in SFB w/ East West Valley Interceptor Sewer Maximize IPR at Tillman beyond GWR project AWPF at Tillman for DPR AWPF at Hyperion for IPR/DPR New Satellite Treatment Plants Maximize NPR to 25,000 afy
Stormwater Capture	Conservative Stormwater Capture Master Plan (SCMP) Scenario Aggressive SCMP Scenario Maximize Low Flow Diversions to Sewer
Water Quality	EWMPs- Focus on Centralized Projects EWMPs – Decentralized Projects
Water Conservation	2015 UWMP Scenario (25% by 2035) Aggressive Scenario with extra 10%
All Categories	Projects from other efforts (IRWMP, etc.)

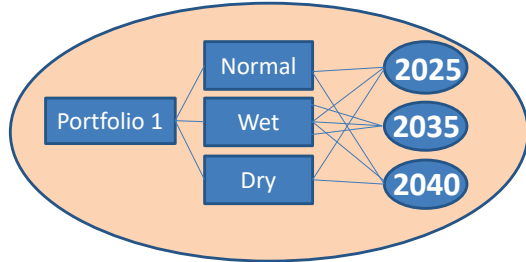
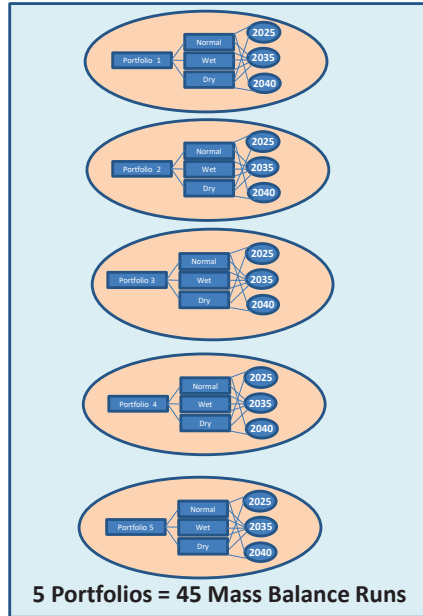
EXAMPLE PORTFOLIOS



MASS BALANCE MODEL RUNS WILL ESTIMATE PORTFOLIO COST AND RELIABILITY



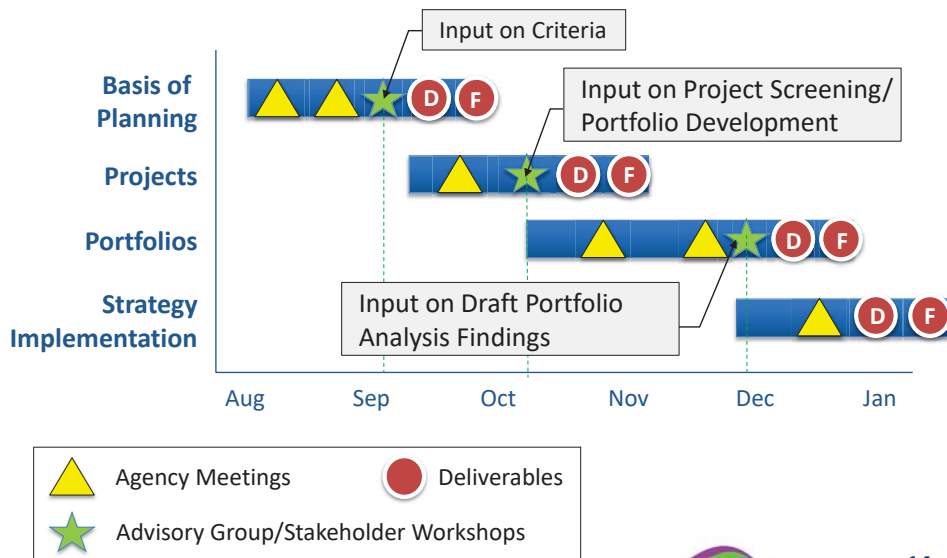
9 Mass Balance Runs per portfolio



DRAFT EVALUATION CRITERIA DISCUSSION & BRAINSTORM



ALTERNATIVE ANALYSIS – SCHEDULE



DRAFT PROJECT SCREENING BENEFITS MATRIX

Project	Meet Water Conservation Goal	Increase Locally Sourced Water to 50%	Improve Beach Quality – Dry Conditions	Improve Beach Quality – Wet Conditions	Increase Use of Recycled Water for IPR/DPR	Increase Stormwater Capture to 150,000 afy	Support LA River Revitalization	Open Space and Habitat	?
A	5	4	2	1	5	2	3		
B	3	4	2	4	4	2	2		
C	4	5	3	2	5	3	1		
D	5	2	5	4	1	5	5		
E	2	1	4	3	1	4	5		
F	1	4	1	1	5	2	3		
G	3	2	4	4	2	3	2		



DRAFT PORTFOLIO EVALUATION CRITERIA

- Project Cost and Funding: Capital, O&M, Unit Cost, Grants, Cost-Sharing, & Other Methods
- Resiliency: Climate Change, Earthquake, Droughts, Legal, MWD Dependence
- Implementation Risk: Constructability, Institutional Complexity, Policies
- Public Benefits and Support: Public Perception/Acceptance, Equity, Social Justice
- Environmental: Ecology Impact, Energy Footprint, Open Space, LA River Revitalization
- Other Categories: ???

OUTREACH OBJECTIVES: NEXT SIX MONTHS

- Ensure One Water LA Plan recommendations reflect Phase 1 vision, goals and guiding themes
- Continue to involve stakeholders meaningfully by focusing their input where there is the greatest opportunity to shape recommendations
- Create partnerships and awareness to accelerate One Water LA Plan implementation once it is adopted
- Increase number and diversity of participants
- Develop broader outreach strategies to maximize awareness and understanding among stakeholders and the general public
- Others?

OUTREACH AND COMMUNICATION GOING FORWARD

- Stakeholder Advisory Group
- 29-Member Steering Committee
- Incorporation of Special Topic Group input into Plan
- Additional Stakeholder Workshops – with modified formats and focused on Plan elements
- Additional and expanded partnerships
- Focused meetings and/or Webex
- Distribution of eblasts/updates to 350+ stakeholder list
- Expansion of stakeholder list
- Expanded outreach to new audiences and broader public

OUTREACH AND COMMUNICATIONS DISCUSSION

UPCOMING ADVISORY GROUP MEETINGS

Timeframe	Anticipated/Potential Topics
September	<ul style="list-style-type: none"> • Debrief of 9/13 Stakeholder Workshop • Draft One Water LA 2040 Outline • Wastewater and Stormwater Facilities Plans • Long-Term Policies Kickoff
October	<ul style="list-style-type: none"> • Continuation of Policies Discussion • Alternative Analysis Progress • LA River Discussion
November	<ul style="list-style-type: none"> • Debrief of previous Stakeholder Workshop • Implementation Strategy (IS) and Triggers Discussion • Policies Wrap-Up
December	NO MEETING
January	<ul style="list-style-type: none"> • Continuation of IS and Triggers Discussion • One Water LA 2040 Plan Development Update

21



ADVISORY GROUP MEETING #7



AUGUST 17, 2016

INNOVATION | INTEGRATION | INCLUSION



ADVISORY GROUP MEETING #8 (10/06/16)

The following pages present the meeting agenda, summary of the discussion, and the presentation given at the Advisory Group Meeting #8, held on October 6, 2016.

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One Water LA Plan Phase 2 Advisory Group Meeting #8 Agenda

Thursday, October 6th, 2016

1:00 p.m. – 3:30 p.m.

2714 Media Center Drive, L.A. 90065 (Training Room A)

Meeting Objectives:

- Get input on Evaluation Criteria
- Get input on Project Concepts
- Introduce Cost Benefit Approach
- Share expected future meeting topics.

Agenda

- | | |
|---|--------------|
| 1. Welcome and Introductions (10 mins) | 1:00-1:10 pm |
| 2. Alternatives Analysis Methodology Overview (10 mins) | 1:10-1:20 pm |
| 3. Evaluation Criteria Discussion (1 hour) | 1:20-2:10 pm |
| a. Criteria Development Process | |
| b. Final Draft Criteria & Metrics | |
| c. Discuss other Criteria and Metric Ideas | |
| d. Criteria DOT Exercise | |
| 4. Projects & Project Concepts Discussion (40 mins) | 2:10-3:00 pm |
| a. Project Categories | |
| b. Foundational Projects | |
| c. Potential Future Projects | |
| d. Discuss other Projects Ideas | |
| 5. Introduction to Cost Benefit Approach (20 mins) | 3:00-3:20 pm |
| 6. Next Steps (10 mins) | 3:20-3:30 pm |
| a. Next Meeting Topics | |
| b. Next Meeting Date | |
| 7. Meeting Close | 3:30 pm |

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One Water LA
Advisory Group Meeting #8
Thursday, October 6th, 2016 1:00PM- 3:30PM
2714 Media Center Drive, Los Angeles 90065 (IWMD Conf. Room 1)

Meeting Summary

The purpose of this summary is to provide an overview of the discussion topics, including ideas, solutions and issues. It is not intended as a transcript or as minutes.

Meeting Attendees

Advisory Group Members

1.	Brad Cox	Los Angeles Business Council
2.	Carolyn Casavan	Casavan Consulting
3.	David Nahai	David Nahai Companies
4.	Ken Murray	Wilderness Corp
5.	Louise McCarthy	Community Clinic Association of LA County
6.	Melanie Winter (on call)	The River Project

One Water LA Team

1.	Hampik Dekermenjian (facilitator)	CDM Smith
2.	Ali Poosti	LASAN
3.	Lenise Marrero	LASAN
4.	Eliza Jane Whitman	LASAN
5.	Azya Jackson	LASAN
6.	Denise Chow	LASAN
7.	Flor Burrola	LASAN
8.	Troy Ezeh	LASAN
9.	Anthony Tew	LADWP
10.	Darline Truong	LADWP
11.	Inge Wiersema	Carollo Engineers Inc.
12.	Jacquelin Reed	Carollo Engineers Inc.

Welcome and Introductions

Advisory Group members introduced themselves to the One Water LA Team. The One Water LA team, which consisted of LASAN, LADWP and Consultant Staff, also gave brief introductions.



The agenda was presented to the group and the following meeting objectives were reviewed:

- Get input on Evaluation Criteria
- Get input on Project Concepts
- Introduce Cost Benefit Approach
- Share expected future meeting topics

Alternatives Analysis Methodology Overview

Please refer to the PowerPoint Presentation (Slides 3-4)

A brief overview of the Alternative Analysis Methodology was provided. The methodology consists of three steps: 1) Develop Evaluation Criteria, 2) Develop Foundational and Future Potential Projects and 3) Develop and Analyze themed Portfolios that include bundles of highly ranked projects. After analysis of several themed Portfolios, a Portfolio will be selected as the recommended Long-Term Strategy for achieving One Water LA objectives and the Mayor's goals. Additional input from Advisory group members regarding the final draft evaluation criteria are summarized below:

Scenarios of potential future conditions (scenario planning) and triggers will be used to confirm the robustness of the preferred project portfolio to respond to the identified conditions.

Evaluation Criteria Discussion

Please refer to the PowerPoint Presentation (Slides 5-25)

A snapshot graph of the draft project and portfolio evaluation criteria was presented. It was mentioned to the Advisory Group that the draft evaluation criteria incorporated comments received from stakeholders during the One Water LA Workshop held on September 13th. Additional input from Advisory group members regarding the final draft evaluation criteria are summarized below:

- Political will and leadership should be included under the Implementation Risk Category.
 - *Response: "Public & Political Support" has been added to the Implementation Category.*
- Multi-benefits should be a separate category because if a project satisfies more than one requirement (e.g. recreation, water supply, water quality, etc.) then it is a reason for ranking a project higher.



- **Response:** "Multi-benefits" is considered a project characteristic and the 20 criteria represent the "Multi-benefits" provided in the guiding principles.
- Distributed projects should be included under resilience or funding. Distributed projects reduce downstream cost so they should be included in the criteria somehow.
 - **Response:** Distributed Stormwater projects are included in the list of potential projects and will be evaluated against the criteria.
- Clarify that we are talking about Greenhouse Gases (GHG) when it comes to Energy Footprint. Under the Environmental Category, have two separate criteria and measurements for energy consumption and GHG because they measure different things.
 - We have to also consider whether projects sequester carbon or emit carbon. Those are other factors not captured in the definition of Energy Footprint.
 - **Response:** Criteria was renamed "Energy Impact/Greenhouse Gas Emissions" and moved to the "Resiliency" Category. The total annual energy consumption per unit of supply is the metric for greenhouse gas emissions and climate change impacts. To consider the overall carbon footprint of water-related projects, recommendations will be included for policy to minimize a projects' overall carbon footprint (including but not limited to: 1. energy sourcing, 2. materials sourcing, during construction, and over the lifecycle of the project, 3. degree to which the landscape facilitates mobility of people, wildlife and ecological flows)
- Determine how One Water LA can analyze benefits of a project. There are other benefits such as economic benefits and benefits that reduce costs downstream. Economic Benefits of projects should be considered in the cost analysis.
 - **Response:** An "Economic" Category was created, which includes Unit Cost, Financial benefits, Project funding mechanism and Likelihood to obtain outside funding. The "Financial Benefits" criteria was added to "evaluate the financial merits and impacts should a given project be implemented, or consequences if such a project is not implemented considering opportunity costs, revenue increases, avoidance of fines or costs, avoidance of major repairs/damage."
- It was mentioned that the One Water LA Team will develop a mapping of all the different types of benefits in order to point out which category addresses each benefit.
 - **Action Item:** A dynamic interface will be developed (hover/drop-down menu) with a glossary of terms to better explain the benefit criteria.

Several examples of Project/Portfolio criteria descriptions were presented in addition to the score definition for each criteria. Input provided by Advisory Group members are summarized below:



- Why are we using scores for the “Unit Cost” criteria instead of listing the cost per acre foot? When you make the translation to the score (1-5), you eliminate the relative differences. You are minimizing differences by creating a (1-5) ranking system for Unit Cost.
 - **Response:** *Unit Cost as a criteria will be a quantitative score, however, for the Cost-Benefit analysis, the actual Unit Cost value will be used.*

- For Unit Cost criteria, use the cost of Metropolitan Water District (MWD) water as your cut point/benchmark. If any project is going to cost more than State water, the project will hit a lot of objection because it is more expensive.
 - **Response:** *The cost of MWD water is not static. The projects in this analysis may not occur until 2040 or beyond, therefore, the cost of Metropolitan water today is not a representative benchmark.*

- It was mentioned that the criteria was developed to compare both qualitative and quantitative projects relative to each other. One Water LA is using the same yardstick to measure all projects.
 - **Response:** *The goal of the criteria is to compare projects to each other and compare qualitative criteria with quantitative criteria.*

- It was suggested to change Institutional Complexity to Institutional Collaboration which promotes collaboration and multi-benefit projects.
 - **Response:** *Criteria name revised to "Institutional Collaboration" and another criteria was developed called "Regulatory Approval" to focus on Environmental and Regulatory permitting to address Institutional Complexity.*

- Replace “Green Space/Recreational Benefit” to “Open Space/Recreational Benefit”. Open Space includes all components (e.g. natural, unpaved, reduced heat island impact, etc).
 - **Response:** *Criteria name revised to "Open/Natural Space and Recreational Benefit", which has been defined as "Level to which the project creates locations of open/natural space, reducing heat-island impacts or creation of recreational areas. Defined as the amount of open/natural space created/destroyed. Paved open space is not considered beneficial and turf is limited to recreational benefits."*

- For Unit Cost we should be looking at the Net Annualized Capital Cost to take into account the benefit savings and avoided costs. For example treating stormwater for reuse avoids the cost of dealing with potential flood impacts.
 - **Response:** *The calculation for Unit Cost includes Annualized Capital and O&M costs (Unit Costs equals (Annualized Capital Cost plus Annual O&M Cost) divided by (Annual Net Yield)).*

- We have to look at the net cost of water supply. LADWP customers shouldn't have to pay for projects that primarily provide stormwater benefits.



- It was suggested to replace Public Acceptability with Public Engagement to account for the community's role in the project, whether through the development/planning process, advocating, taking ownership or maintaining, or through a partnership or leadership role
 - **Response:** *The criteria has been revised to "Public Engagement" and the definition has been revised to further reflect the public's role.*
- For Unit Cost, you have to develop and separate Capital Cost and Operation & Maintenance (O&M) costs. People are not accustomed to appreciating the cost of O&M so it has to be visible and called out under the Funding Mechanism.
 - **Response:** *Capital and O&M costs are separately developed and shown. Both are accounted for in the Unit Cost.*
- The criterion does not include anything on Public Health (e.g. temperature, air quality, access to mobility, heat island impact, etc.).
 - **Response:** *Public health is addressed in multiple criteria, including Energy Impact/Greenhouse Gas Emissions, Environmental Justice, Air Quality Improvement, Open/Natural Space and Recreational Benefit, and Ecological Benefit/Habitat Restoration.*

Projects & Projects Concepts Discussion

Please refer to the PowerPoint Presentation (Slides 26-32)

The One Water LA Team presented the two primary project categories which consist of Foundational Projects and Potential Projects. Foundational Projects are projects that will occur independent of the One Water LA Plan while Potential Projects are projects that will be assessed as part of the portfolio analysis of the One Water LA Plan. Advisory Group members were asked to provide additional project concepts/ideas for consideration under both project categories. Input provided by the group is summarized below:

- A third category of projects should consist of what other agencies decided to do on their own outside of One Water LA. It was mentioned that One Water LA is already reaching out to the Steering Committee for projects to include in the Project lists.
 - **Response:** *Further discussions are occurring to incorporate projects from other departments/agencies. This is an agenda topic for the next Interdepartmental Steering Committee meeting.*
- Do not include projects concepts from EWMPs in the list of Foundational Projects. Project concepts from plans (e.g. EWMPs) will lead to projects that will need to be evaluated through One Water LA. It was agreed that the list of Foundational Projects would only include actual projects that have been developed. Project Concepts (e.g. EWMP Distributed Projects) will be included in the Potential Projects List.



- **Response:** Regional/centralized EWMP/SCMP + Prop O Stormwater Projects are considered Foundational Projects. Distributed Stormwater Projects are considered Potential Projects.
- Distributed Projects are buried in the Potential Projects List, which underscores how important investments are for Distributed Projects. There needs to be a more elaborate discussion of distributed projects.
 - **Response:** The Potential Distributed Stormwater Projects are shown on the potential project list grouped by watershed for ease of showing the lists. However, specific individual projects/concepts will be evaluated and included as feasible.

Introduction to Cost Benefit Approach

- The Cost Benefit Approach will be discussed at a future meeting.

Next Steps

- Stakeholder Workshop #4 on October 26, 2016 to present final Project Criteria.
- Advisory Group Meeting #9 in November to discuss Portfolio themes and Policy Ideas.
- Stakeholder Workshop #5 in December to discuss Priority Projects, Portfolio Analysis and Policy Ideas.
- Advisory Group Meeting #10 in January to discuss Project Triggers
- Stakeholder Workshop #6 to finalize Policy Recommendations, Implementation Plan, including triggers and CEQA Process.

Action Items

Advisory Group to:

- Provide edits or comments to meeting summary by **Tuesday, November 1st**.

Advisory Group Meeting #8

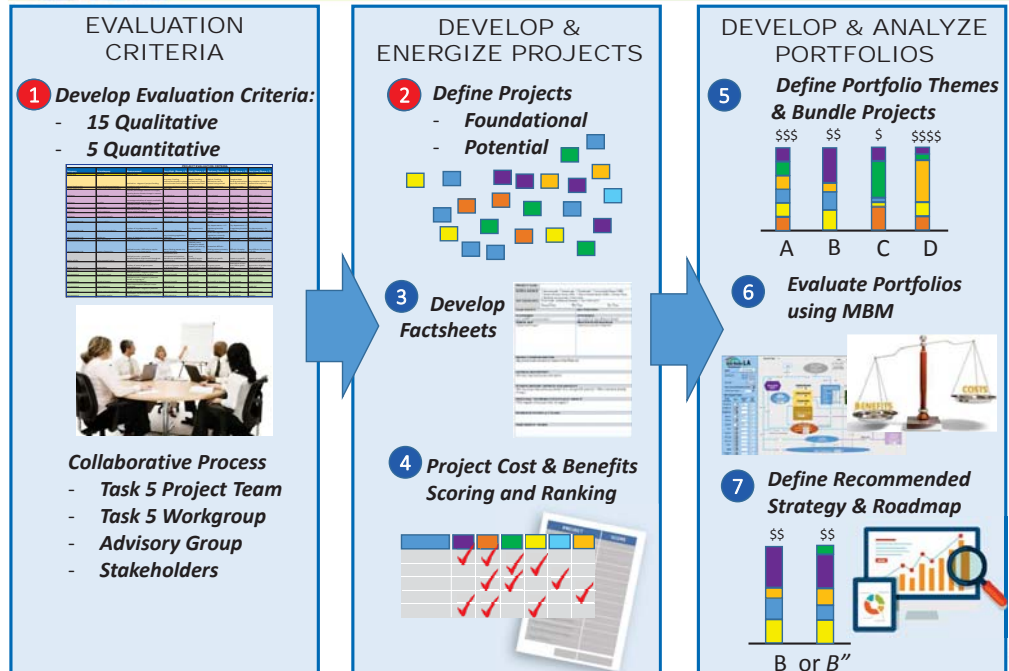
Alternatives Analysis Methodology, Evaluation Criteria, Project Concepts

Alternatives Analysis Methodology Overview

Meeting Agenda

1. Welcome & Introductions (10 mins)
2. Alternatives Analysis Overview (10 mins)
3. Evaluation Criteria Development (1 hour)
 - a) Criteria Development Process
 - b) Final Draft Criteria & Metrics
 - c) Discuss other Criteria & Metric Ideas
 - d) Dot Scoring Exercise
4. Projects Concepts Discussion (1 hour)
 - a) Project Categories
 - b) Foundational Projects
 - c) Potential Projects
 - d) Discuss Other Project Ideas
5. Next Steps (10 mins)

Alternatives Analysis Methodology



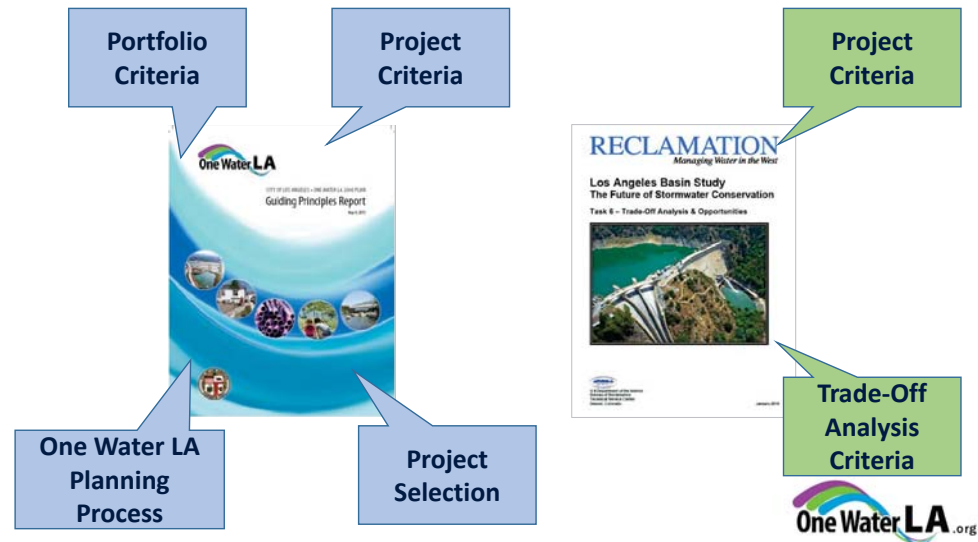


Evaluation Criteria Development

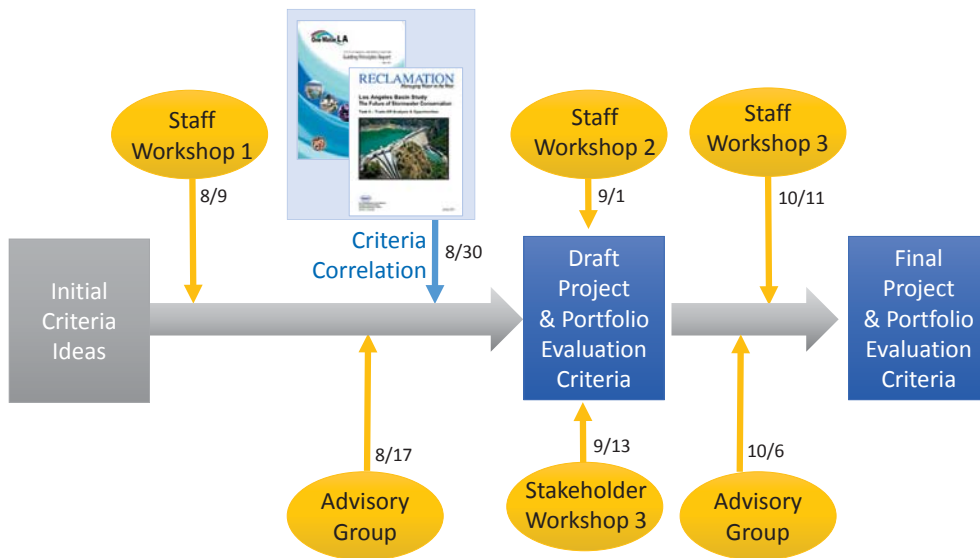
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All Water is One Water

Criteria Correlation with Previous Planning Documents



Criteria Development Process



Final Draft Evaluation Criteria

- Cost: Unit Cost, **Opportunity Cost** 10/6 Advisory Group Meeting Input
- Funding: Funding Mechanism, Eligibility for Outside Funding
- Resiliency: Drought Proofing, Earthquake, Flood Protection, Local Supply Benefit
- Implementation Risk: Constructability, Institutional **Complexity**, **Collaboration**, Regulatory Drivers, Public **Acceptability**, **Engagement**, Property Ownership, **Political Will**
- Quality of Life: Environmental Justice, **Green-Open?** Space/Recreational Benefit, Stormwater Quality
- Environmental: Ecological Impact/Habitat Restoration Benefit, Air Quality Improvement, Energy Footprint, **Environmental/Regulatory Permitting**, **Green-house gas emissions impacts**



Final Draft Evaluation Criteria

- Cost: **Unit Cost**
- Funding: **Funding Mechanism**, Eligibility for Outside Funding
- Resiliency: **Drought Proofing**, Earthquake, Flood Protection, Local Supply Benefit
- Implementation Risk: Constructability, Institutional Complexity, Regulatory Drivers, **Public Acceptability**, Property Ownership
- Quality of Life: Environmental Justice, **Green Space/Recreational Benefit**, **Stormwater Quality**
- Environmental: **Ecological Impact/Habitat Restoration Benefit**, Air Quality Improvement, Energy Footprint

Criteria in RED were mentioned at World Café



Project Evaluation Criteria

Category: Project Cost

Criteria	DRAFT Measurement
Unit cost	\$/MG or \$/AF

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Final Draft Evaluation Criteria by Category

10/6 Advisory Group Meeting Input

Category	Criteria	DRAFT Measurement
Project cost	Unit cost	\$/MG or \$/AF
Project cost	Opportunity cost	TBD
Project funding	Project funding mechanism	Qualitative - degree of project funding complexity and availability
Project funding	Eligibility for outside funding	Qualitative scale
Resiliency	Drought proofing	Percentage reduction of supply availability between normal and dry year
Resiliency	Level of impact of earthquakes	Qualitative scale - risk of supply failure after earthquake
Resiliency	Flood protection	Qualitative scale - ability of a project to reduce existing flood risk
Resiliency	Local supply benefit	Amount of local supply generated
Implementation	Constructability	Qualitative scale
Implementation	Institutional acceptability Collaboration	Number of city departments, outside agencies, and regulatory agencies involved
Implementation	Regulatory drivers	Degree of dependence on new regulations
Implementation	Public acceptability Engagement	Qualitative scale
Implementation	Property ownership	Qualitative scale - Difficulty to acquire necessary parcels/easements
Implementation	Political Will	TBD
Quality of life	Environmental justice	Qualitative scale - perceived benefits/impacts distributed throughout City (versus to specific communities)
Quality of life	Green Open? space/recreational benefit	Number of acres of green space created/reduced
Quality of life	Stormwater quality	Stormwater volume reduction in dry year to river/oceans
Environmental	Air quality improvement	Qualitative scale - Degree in potential benefit or damage to air quality
Environmental	Ecological benefit/habitat restoration	Qualitative scale - Degree in potential benefit or damage to ecosystems/flora/fauna
Environmental	Energy footprint	Power consumption (kWh/AF water processed)
Environmental	Environmental/Regulatory Permitting	TBD
Environmental	Green-house gas emission impacts	TBD

Project Evaluation Criteria

10/6 Advisory Group Meeting Input

Criteria: Unit Cost

CRITERIA	Unit cost
CATEGORY	Project cost
DESCRIPTION	Evaluate the unit cost of water supply for the project. It is calculated as: $Unit\ Cost = \frac{Annualized\ Capital\ Cost + Annual\ O\&M\ Cost}{Annual\ Net\ Yield}$, where $Annual\ Net\ Yield = Total\ Annual\ Yield - Annual\ Demand\ Created.$ The calculation assumes inflation rates, interest rates, and life expectancies as listed in Table X.
SCORE	RANKING CRITERIA SCORE DEFINITION (update throughout)
5	Overall Rating - Very Low Cost <ul style="list-style-type: none"> • \$/acre-ft
2-4	Overall Ratings - Low, Medium, and High Cost <ul style="list-style-type: none"> • Rankings to be linearly interpolated between \$/acre-ft and the highest cost project
1	Overall Rating - Very High Cost <ul style="list-style-type: none"> • The highest cost project in \$/acre-ft
SCORE EXAMPLES	If the highest cost project is \$2,000 acre- ft , then a project with a cost of \$1,000 acre- ft would receive a score of 3.



Project Evaluation Criteria

Category: Project Funding

Criteria	DRAFT Measurement
Project funding mechanism	Qualitative - degree of project funding complexity and availability
Eligibility for outside funding	Qualitative scale

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Project Evaluation Criteria

Category: Resiliency

Criteria	DRAFT Measurement
Drought proofing	Percentage reduction of supply availability between normal and dry year
Level of impact of earthquakes	Qualitative scale - risk of supply failure after earthquake
Flood protection	Qualitative scale - ability of a project to reduce existing flood risk
Local supply benefit	Amount of local supply generated

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Project Evaluation Criteria

Criteria: Project Funding Mechanism

CRITERIA	Project funding mechanism
CATEGORY	Project funding
DESCRIPTION	Evaluate the ability for the project to be funded using existing funding mechanisms or structures, the ease of creating the new funding mechanisms, and the ability to gain sufficient revenue from those mechanisms for funding the project. New funding mechanisms would include items such as creating a new type of charge (e.g. a stormwater fee, where this is not one already). Existing structures include existing rates or fees.
SCORE	RANKING CRITERIA
5	Overall Rating - Very Simple to Fund <ul style="list-style-type: none"> Project has funding mechanism structures in place Project can be funded from existing revenues
4	Overall Rating - Simple to Fund <ul style="list-style-type: none"> Project has funding mechanism structures in place Project can be funded by deferring or modifying other projects to free-up resources
3	Overall Rating - Typical Funding <ul style="list-style-type: none"> Project has funding mechanism structures in place OR Project can be funded with increases to rates less than 3% annually OR Project can be funded by forgoing other projects to free-up resources
2	Overall Rating - Complex to Fund <ul style="list-style-type: none"> Project requires new funding mechanism structure, but the mechanism can be created relatively simply OR Project can be funded with increases to rates of 3-6% annually
1	Overall Rating - Very complex to Fund <ul style="list-style-type: none"> Project requires new funding mechanism structure OR Project requires rate increases of > 6% annually AND OR Project requires large modifications to the overall CIP
SCORE EXAMPLES	
If a project is already included in the planned CIP and has funding sources allocated it would receive a score of 5, if a project would require the implementation of a 6% rate increase it would receive a score of 1.	

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Project Evaluation Criteria

Criteria: Drought Proofing

10/6 Advisory Group Meeting Input

CRITERIA	Drought proofing
CATEGORY	Resiliency
DESCRIPTION	Evaluate the ability for a project to provide water during a drought. This will be calculated by a ratio between normal and dry year supplies as follows: $\text{Drought proofing ratio} = \frac{\text{Volume of water available in a dry year}}{\text{Volume of water available in a normal year}}$
SCORE	RANKING CRITERIA
5	Overall Rating - Very robust <ul style="list-style-type: none"> Drought proofing ratio = 100%, meaning that that the amount of water available in a dry is the same or greater than in a normal year
2-4	Overall Ratings - Intermediate rankings <ul style="list-style-type: none"> Rankings to be linearly interpolated between 0% and 100%, meaning that that the amount of water available in a dry is the smaller than in a normal year
1	Overall Rating - Not robust <ul style="list-style-type: none"> Drought proofing ratio = 0%, meaning that no water is available in a dry year
SCORE EXAMPLES	
If a project delivers 6,250 acre-ft/yr in a dry year and 10,000 acre-ft/yr in a normal year, then the project has a drought proofing ratio of 62.5%. The project would then receive a score of 3.5, as a score of 5 if 100% and a score of 1 is 0%.	

Project Evaluation Criteria

Category: Implementation

Criteria	DRAFT Measurement
Constructability	Qualitative scale
Institutional Complexity	Number of city departments, outside agencies, and regulatory agencies involved
Regulatory drivers	Degree of dependence on new regulations
Public Acceptance	Qualitative scale
Property ownership	Qualitative scale - Difficulty to acquire necessary parcels/easements

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Project Evaluation Criteria

Category: Quality of Life

10/6 Advisory Group Meeting Input

Criteria	DRAFT Measurement
Environmental justice	Qualitative scale - perceived benefits/impacts distributed throughout City (versus to specific communities)
Green space/recreational benefit	Number of acres of green space created/reduced
Stormwater quality	Stormwater volume reduction in dry year to river/oceans

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Project Evaluation Criteria

Criteria: Institutional Complexity

10/6 Advisory Group Meeting Input

CRITERIA	Institutional Complexity Collaboration
CATEGORY	Implementation
DESCRIPTION	Evaluate the ease of interagency coordination and approvals by other governmental entities. This is to be calculated by the number of city departments , outside agencies, and regulatory bodies involved.
SCORE	RANKING CRITERIA
5	Overall Rating - Very simple • Project would be implemented by a single City department.
4	Overall Rating - Simple • Project would be implemented by a 2-3 City department.
3	Overall Rating - Typical • Project would be implemented by 4 or more City departments and/or 1 outside/regulatory agency.
2	Overall Rating - Difficult • Project would be implemented by 4 or more City departments and/or 2-3 outside/regulatory agencies.
1	Overall Rating - Very difficult • Project would be implemented by 5 or more City departments and/or 2-3 outside/regulatory agencies.
SCORE EXAMPLES	

Revise, conflicts with outside funding criteria



Project Evaluation Criteria

Criteria: ~~Green~~ Space/Recreational Benefit

Open?

10/6 Advisory Group Meeting Input

CRITERIA	Green space/recreational benefit
CATEGORY	Quality of life
DESCRIPTION	Creation of locations of green space or located for recreation. Defined as number of acres of green space created/destroyed.
SCORE	RANKING CRITERIA
5	Overall Rating - Very beneficial • Creation of greater than 50 acres of green space
4	Overall Rating - Beneficial • Creation of less than 50 acres of green space
3	Overall Rating - Neutral • No green space created or destroyed
2	Overall Rating - Harmful • Destruction of less than 50 acres of green space
1	Overall Rating - Very harmful • Destruction of greater than 50 acres of green space
SCORE EXAMPLES	

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Project Evaluation Criteria

Category: Environmental

Criteria	DRAFT Measurement
Air quality improvement	Qualitative scale - Degree in potential benefit or damage to air quality
Ecological benefit/habitat restoration	Qualitative scale - Degree in potential benefit or damage to ecosystems/flora/fauna
Energy footprint	Power consumption (kWh/AF water processed)

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Quantitative & Qualitative Criteria

Category	Criteria	Quantitative	Qualitative
Project cost	Unit cost	X	
Project funding	Project funding mechanism		X
Project funding	Eligibility for outside funding		X
Resiliency	Drought proofing		X
Resiliency	Level of impact of earthquakes		X
Resiliency	Flood protection		X
Resiliency	Local supply benefit	X	
Implementation	Constructability		X
Implementation	Institutional acceptability		X
Implementation	Regulatory drivers		X
Implementation	Public acceptability		X
Implementation	Property ownership		X
Quality of life	Environmental justice		X
Quality of life	Green space/recreational benefit	X	
Quality of life	Stormwater quality		X
Environmental	Air quality improvement		X
Environmental	Ecological benefit/habitat restoration		X
Environmental	Energy footprint	X	



Project Evaluation Criteria

Criteria: Energy Footprint

CRITERIA	Energy footprint
CATEGORY	Environmental
DESCRIPTION	Evaluate power consumption, defined as amount of power used per unit of water processed (kWh per acre-ft of water)
SCORE	RANKING CRITERIA
5	Overall Rating - Very Low Consumption • 0 kWh/acre-ft
4	Overall Rating - Low Consumption • 250 kWh/acre-ft
3	Overall Rating - Medium Consumption • 500 kWh/acre-ft
2	Overall Rating - High Consumption • 750 kWh/acre-ft
1	Overall Rating - Very High Consumption • 1000 kWh/acre-ft
SCORE EXAMPLES	

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Final Draft Evaluation Criteria

10/6 Advisory Group Meeting Input

- Cost: **Unit Cost, Opportunity Cost**
- Funding: **Funding Mechanism, Eligibility for Outside Funding**
- Resiliency: **Drought Proofing, Earthquake, Flood Protection, Local Supply Benefit**
- Implementation Risk: **Constructability, Institutional Complexity, Collaboration, Regulatory Drivers, Public Acceptability, Engagement, Property Ownership, Political Will**
- Quality of Life: **Environmental Justice, Green-Open? Space/Recreational Benefit, Stormwater Quality**
- Environmental: **Ecological Impact/Habitat Restoration Benefit, Air Quality Improvement, Energy Footprint, Environmental/ Regulatory Permitting, Green-house gas emissions impacts**

1. New Criteria comments:

- Multi-beneficial projects
- Resiliency that does not relate to a reduction in supply

2. What else is missing?

- *Public Health (what can it include & is it covered)*



DOT Voting Exercise (15 mins)

#	Category	Criteria
1	Project cost	Unit cost
2	Project cost	Opportunity cost
3	Project funding	Project funding mechanism
4	Project funding	Eligibility for outside funding
5	Resiliency	Drought proofing
6	Resiliency	Level of impact of earthquakes
7	Resiliency	Flood protection
8	Resiliency	Local supply benefit
9	Implementation	Constructability
10	Implementation	Institutional acceptability Collaboration
11	Implementation	Regulatory drivers
12	Implementation	Public acceptability Engagement
13	Implementation	Property ownership
14	Implementation	Political Will
15	Quality of life	Environmental justice
16	Quality of life	Green Open? space/recreational benefit
17	Quality of life	Stormwater quality
18	Environmental	Air quality improvement
19	Environmental	Ecological benefit/habitat restoration
20	Environmental	Energy footprint
21	Environmental	Environmental/Regulatory Permitting
22	Environmental	Green-house gas emission impacts

10/6 Advisory Group Meeting Input

- 1
- 2
- 3

Which criteria is most important to you?



Two Primary Project Categories

Foundational Projects

Projects that will reasonably occur independent of the One Water LA Plan

- Some may be funded
- Some may have complete EIRs
- Some may be in LASAN's CIP
- Some may be in LADWPs CIP

Potential Other Projects

Projects that are assessed as part of the portfolio analysis of the One Water LA Plan

- No commitment has been made to execute at this time

Notes:

- Water conservation is considered as part of the total water demand target, not as a separate project.
- Grey water is considered as a method of water conservation and will also be addressed under policy recommendation



Project Concept Discussion

Define Projects for 2040 Analysis

Foundational Projects:

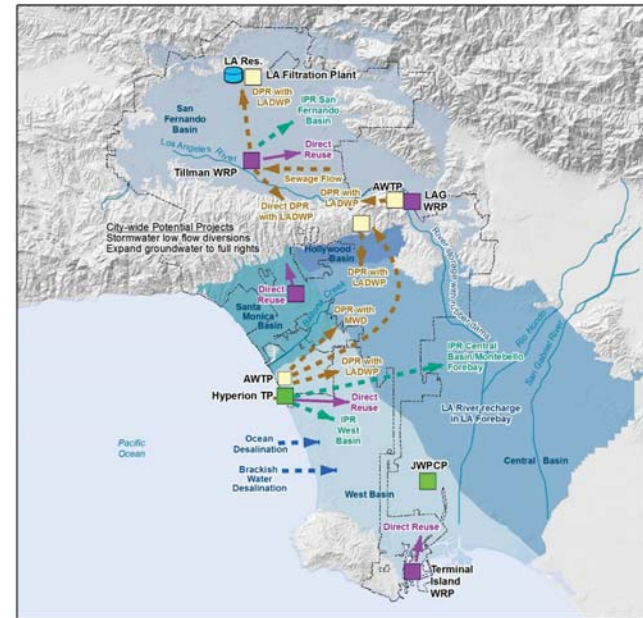
DRAFT 10-06-2016

1. Groundwater - San Fernando cleanup project
2. Groundwater Replenishment Project with AWPf at Tillman (up to 30,000 afy in San Fernando Basin)
3. Sewer - diversion to Tillman (no additional infrastructure)
4. Expansion of Terminal Island to 12 mgd
5. Hyperion WRP: Demo Plant & Recycled Water to LAWA
6. Recycled Water expansion (NPR) goals per 2015 UWMP
7. Stormwater - Upper LA River Watershed (regional/centralized + distributed projects + Prop O)
8. Stormwater - Ballona Creek Watershed (regional/centralized + distributed projects + Prop O)
9. Stormwater - Dominguez Channel Watershed (regional/centralized + distributed projects + Prop O)
10. Stormwater - Santa Monica Bay/Marina del Rey Watersheds (regional/centralized + distributed projects + Prop O)
11. Stormwater - Other Planned Projects within the City (e.g. Sun Valley Watershed Management Plan, Greater LA IRWMP)

Foundation Project Locations



Potential Project Locations



Define Projects for 2040 Analysis

Potential Projects:

10/6 Advisory Group Meeting Input

1. Expand groundwater (to full water rights)
2. Sewer - East-West Valley Interceptor Sewer
3. Recycled water - NPR system expansion (e.g. LA Zoo)
4. Recycled water from new satellite plants (e.g. Rancho Park)
5. IPR - Hyperion fto West Basin/Central Basin - Injection wells
6. IPR - Hyperion to Central Basin/Montebello Forebay
7. DPR - Tillman to LA Reservoir/LA Aqueduct Filtration Plant
8. DPR - Tillman to LADWP distribution system
9. DPR - Hyperion to LADWP distribution system
10. DPR - LAG to Headworks Reservoir
11. Ocean desalination - Scattergood/El Segundo
12. Brackish groundwater desalination
13. Stormwater - Low Flow Diversions
14. Stormwater – Other Decentralized/Green Infrastructure (beyond Foundational)
15. LA River storage with rubber dams (and pump back)
16. LA River storage with recharge in LA Forebay

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Elaborate

Define Projects for 2040 Analysis

Foundational Projects:

1. Groundwater - San Fernando cleanup project
2. Groundwater Replenishment Project with AWPf at Tillman (up to 30,000 afy in San Fernando Basin)
3. Sewer - diversion to Tillman (no additional infrastructure)
4. Expansion of Terminal Island to 12 mgd
5. Hyperion WRP: Demo Plant & Recycled Water to LAWA
6. Recycled Water expansion (NPR) goals per 2015 UWMP
7. Stormwater - Upper LA River Watershed (regional/centralized + distributed projects + Prop O)
8. Stormwater - Ballona Creek Watershed (regional/centralized + distributed projects + Prop O)
9. Stormwater - Dominguez Channel Watershed (regional/centralized + distributed projects + Prop O)
10. Stormwater - Santa Monica Bay/Marina del Rey Watersheds (regional/centralized + distributed projects + Prop O)
11. Stormwater – Other Planned Projects within the City (e.g. Sun Valley Watershed Management Plan, Greater LA IRWMP)

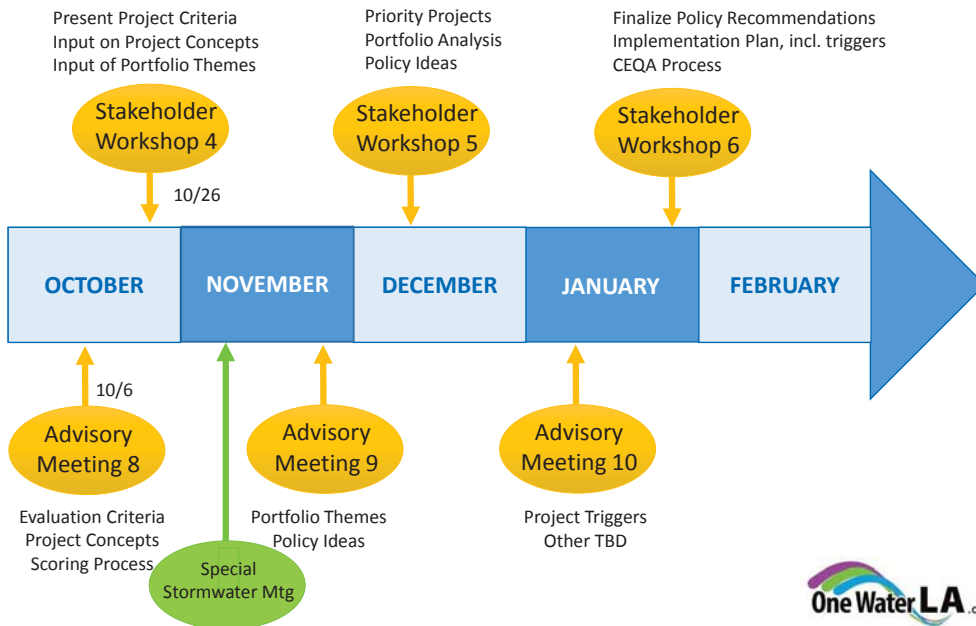
Potential Projects:

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1. Expand groundwater (to full water rights)
2. Sewer - East-West Valley Interceptor Sewer
3. Recycled water - NPR system expansion (e.g. LA Zoo)
4. Recycled water from new satellite plants (e.g. Rancho Park)
5. IPR - Hyperion to West Basin/Central Basin - Injection wells
6. IPR - Hyperion to Central Basin/Montebello Forebay
7. DPR - Tillman to LA Reservoir/LA Aqueduct Filtration Plant
8. DPR - Tillman to LADWP distribution system
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13. Stormwater - Low Flow Diversions
14. Stormwater – Other Decentralized/Green Infrastructure (beyond Foundational)
15. LA River storage with rubber dams (and pump back)
16. LA River storage with recharge in LA Forebay

Next Steps

Future Workshops and Meetings



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ADVISORY GROUP MEETING #9 (12/06/16)

The following pages present the meeting agenda, summary of the discussion, and the presentation given at the Advisory Group Meeting #9, held on December 6, 2016.

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One Water LA Plan Phase 2 Advisory Group Meeting #9 Agenda

Tuesday, December 6, 2016

9:00 a.m. – 11:00 a.m.

2714 Media Center Drive, L.A. 90065 (Board Room)

Meeting Objectives:

- Get Consensus on Final Criteria
- Review and get recommendations for next stakeholder meeting materials & format

Agenda

1. Welcome and Introductions (10 mins) 9:00-9:10 am
2. Discuss Stakeholder Workshop (50 mins) 9:10-10:00 am
 - a. Debrief of Stakeholder Workshop #4 on 10/26
 - b. Debrief of Special Project Ideas Workshop on 11/18
 - c. Discuss Workshop #5 Materials & Format
 - Workshop Objectives
 - Policy Ideas Exercise Format
 - Review Handouts
 - d. Advisory Group Members Roles
3. Evaluation Criteria Discussion (50 mins) 10:00-10:50 am
 - a. New Weighing exercise format
 - b. Portfolio Evaluation Progress Update
 - c. Finalize Evaluation Criteria & Metrics
4. Next Steps (10 mins) 10:50-11:00 pm
 - a. Next Meeting Topics
 - b. Next Meeting Date
5. Meeting Close 11:00 pm

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**One Water LA
Advisory Group Meeting #9
Tuesday, December 6th, 2016 9:00AM- 11:00AM
2714 Media Center Drive, Los Angeles 90065 (Board Room)**

Meeting Summary

The purpose of this summary is to provide an overview of the discussion topics, including ideas, solutions and issues. It is not intended as a transcript or as minutes.

Meeting Attendees

Advisory Group Members

1.	Carolyn Casavan	Casavan Consulting
2.	Jack Humphreville	Greater Wilshire NC
3.	Kelly Sanders	USC
4.	Ken Murray	Wilderness Corp
5.	Louise McCarthy	Community Clinic Association of LA County
6.	Melanie Winter	The River Project
7.	Mike O’Gara	Sun Valley Area NC
8.	Veronica Padilla	Pacoima Beautiful

One Water LA Team

1.	Hampik Dekermenjian (facilitator)	CDM Smith
2.	Lenise Marrero	LASAN
3.	Eliza Jane Whitman	LASAN
4.	Azya Jackson	LASAN
5.	Denise Chow	LASAN
6.	Flor Burrola	LASAN
7.	Rebecca Drayse (phone)	LASAN
8.	Troy Ezeh	LASAN
9.	Stefanie Perez	LASAN
10.	Serge Haddad	LADWP
11.	Anthony Tew	LADWP
12.	Inge Wiersema	Carollo Engineers Inc.
13.	Jacquelin Reed	Carollo Engineers Inc.

Welcome and Introductions

Advisory Group members introduced themselves to the One Water LA Team. The One Water LA Team, which consisted of LASAN, LADWP and Consultant Staff, also gave brief introductions.

The agenda was presented to the Advisory Group and the following meeting objectives were reviewed:

- Get Consensus on Final Criteria.
- Review and get recommendations for next stakeholder meeting materials & format.

Stakeholder Workshop #4 Debrief

The One Water LA Team provided a debrief of Stakeholder Workshop #4 (held on October 26th). Workshop #4 consisted of presenting the Alternatives Analysis Process and the Evaluation Criteria Exercise. Advisory Group members provided their thoughts on the workshop which are summarized:

- Disappointed in the last two workshops. There is a lack of buy in from participants in what One Water LA is trying to do. There also seems to be rejection towards the concept of centralized projects in favor of decentralized projects. It is a big issue that needs to be addressed.
- One Water LA workshops are lacking stakeholder participants who are paying the bills (e.g. Real Estate, Industrial, Commercial etc.) The County also isn't present during One Water LA discussions.
 - The One Water LA Team agreed to coordinate with LADWP on potentially reaching out to top water users, to ensure they are represented at future meetings.
 - The One Water LA Team indicated that industrial and commercial stakeholders are on the stakeholder list and specific outreach efforts have taken place to ensure these groups are represented. Additionally, extensive coordination takes place between LA County and the One Water LA team.
 - ACTION: The One Water LA Team will also put together a comprehensive table of outreach activities taking place to share with the Advisory Group and larger stakeholder group to improve communication and transparency in regards to: 1) Who the One Water Team is meeting with, 2) The outcome of these meetings and, 3) The input/feedback being obtained from these meetings.
- Nobody is talking about cost which is a major factor. For a City stormwater rain tax you have to go to voters which is a 2/3 vote. Without comparison to what the County is doing, we are creating a spending spree. There is no accountability to implement stormwater projects.
- The waste recycling businesses are tremendous users of water. And no one is represented at One Water LA stakeholder workshops.

- It was mentioned that there is a need to make sure that groundwater basins are protected if recycled water is supplied to waste recycling or similar types of businesses. It is a permitting issue and it takes time to find the best solution. Additionally, there is a balance to strike. If the City supplies more recycled water for businesses there will be less water to spread for groundwater augmentation.
- The City should inform stakeholders who are unaware that it is going to cost a lot of money to implement water-related projects and we might not have another option for water security. It is going to be the hardest public argument to make. Doing nothing should be used as a benchmark to show the risk of not having a local water supply.
- It is important to have a systems approach and to articulate the importance of local supply development.

Stakeholder Workshop #5 Discussion

Please refer to the PowerPoint Presentation (Slides 3-13)

The format and approach for workshop #5 (on December 13th) was presented to the Advisory Group. It was stated that the focus of the workshop is to make sure that stakeholders are familiar with the list of 80+ policy ideas and to make sure nothing is missing from the list. It was then stated that a follow-up activity/workshop will be held to prioritize and consolidate the list of policy ideas.

Comments received from Advisory Group members in regards to the format and approach for workshop #5 are summarized:

- Policy development is confusing to the process because the process is to come up with a plan from 2020-2040. Stakeholders may become distracted and focus on talking about the now to change policy today. One Water LA is about coming up with a long-term plan.
[Clarification note: One Water LA is collaborative approach to develop an integrated framework for managing the City's water resources, watersheds, and water facilities in an environmentally, economically, and socially beneficial manner].
 - It was mentioned that confusion could be avoided by stating that developing policy ideas to change codes now will have a long-term positive impact as the City plans towards 2040 because it can remove roadblocks to increase integrated planning.
 - It was also stated that there is a need to develop policies to ensure that 5 and 10 year Capital Improvement Programs could be implemented.

- It is important to have continual dialogue with City Planning with their re:Code LA effort because it will have a severe impact on places like Sun Valley.
- For policy ideas, One Water LA should have principles put in place in order to guide policies that get proposed down the line.
- The One Water LA Team should ensure that the County is participating at the stakeholder workshop. The City cannot set policies for the County so we need to talk and work together.
- It was suggested by an Advisory Group member to consider having smaller targeted groups for breakout sessions to discuss policy ideas. Discussing 20 policies with a large group may be difficult. With groups of approximately five people, there won't be anybody dominating the conversation.
 - There will still be a total of four breakout groups for the workshop. There will be a comment card handed out during the workshop to give stakeholders the opportunity to provide additional policy ideas if they didn't get the chance to provide any during a breakout session.
- The One Water Team mentioned that it would be nice to have Advisory Group members distributed equally amongst the four breakout session groups during the workshop.
- It was noted that some policy ideas mentioned at the project ideas workshop on November 18 are not on the policy ideas list.
 - Some of the suggestions were recorded on a separate "Recommended Actions" list as they didn't quite fit as policies. The Action list will also be sent to stakeholders in advance of the workshop.

Debrief of Special Project Ideas Workshop on 11/18

The One Water LA Team received a lot of valuable input on distributed projects and policy ideas. All policy ideas received have been included on the comprehensive Policy Ideas list that will be presented at the December 13th workshop.

Evaluation Criteria Discussion

Please refer to the PowerPoint Presentation (Slides 14-28)

Changes made to the project evaluation criteria since the last workshop were presented to the Advisory Group in effort to finalize the evaluation criteria and metrics. The evaluation criteria will be a tool to help inform the City's decision making process. Comments received from Advisory Group Members regarding the evaluation criteria and metrics are summarized:

- Based on the Energy Impact/Greenhouse Gas Emissions criteria, the State Water Project should be on the high end since it uses a lot of energy.

- It was stated that the Energy Impact Criteria is normalized for volume which would present a fair way of evaluating potential projects. It was also mentioned by an Advisory Group member that flexibility will be increasingly important for the Energy Impact criteria and that we need to also account for projects with high energy use.
- Add “more collaboration is good” in parentheses after the Institutional Collaboration criteria.
- Based on the description for the Institutional Collaboration criteria, you must be a regional project to get a high score.
 - It was agreed that the word “Regional” will be taken off the score definition to avoid limiting small or localized projects from being scored high.
 - Partners beyond regional agencies will be included in the description for Institutional Collaboration criteria.
- It was mentioned that there may not be enough information to apply the Property Ownership criteria to 20+ potential projects.
 - The Property Ownership criteria will be removed based on consensus by the Advisory Group. It will be important to look at in the future but it is too early at the planning stage.
- It was stated that the Air Quality Improvement criteria seems redundant with Energy Impact Criteria and it should be removed. It was then mentioned that if other criteria are not robust enough to capture air quality then there won't be any criteria to address air quality impacts. The One Water LA Team will further define the “Open/Natural Space & Recreation Benefit” and “Ecological benefit/Habitat Restoration” criteria to weave in Air Quality and send out the revised definition to the Advisory Group for approval.

New Weighing Exercise Format

It was mentioned to the Advisory Group that there were some irregularities with the dot exercise that took place during the previous workshop in addition to the fact that there has been more input received on the criteria and changes have occurred since the workshop. An online survey exercise will be sent out similar to the dot exercise where stakeholders will be able to rank the relative importance of each evaluation criteria.

Next Steps

- Next One Water LA Stakeholder workshop on December 13th, 2016.
- There will be a follow-up exercise for prioritizing Policy Ideas.
- There will be a discussion on Portfolio Themes at a future meeting.
- There will be two more Stakeholder Workshops and Advisory Group Meetings.
- There will be a redo of a Dot Exercise (or similar electronic exercise) once the project Evaluation Criteria is finalized.



Action Items

Advisory Group to:

- Attend One Water LA Stakeholder Workshop on December 13th.
- Evenly distribute among the 4 breakout groups

One Water LA Team to:

- Revise definition for “Open/Natural Space & Recreation Benefit” and “Ecological benefit/Habitat Restoration” criteria to weave in Air Quality and send out the revised definition the Advisory Group for approval.
- Reach out to top LADWP water users, and ensure they are represented at future meetings.
- Provide a table summarizing groups the team has met with (e.g. LA Chamber of Commerce, City Departments, Regional Agencies, etc.) along with topics discussed so far.

DRAFT




Advisory Group Meeting #9

December 6, 2016



All Water is One Water



Agenda

1. Welcome & Introductions (10 mins)
2. Stakeholder Workshop Discussion (50 mins)
 - a) Debrief on Stakeholder Workshop #4 (10/26)
 - b) Debrief of Special Project Ideas Workshop (11/18)
 - c) Discuss Workshop #5 Format & Materials
 - d) Advisory Group Member Roles
3. Evaluation Criteria Discussion (50 mins)
 - a) Dot Scoring Exercise
 - b) Criteria Development Process
 - c) Final Draft Criteria & Metrics
 - d) Discuss other Criteria & Metric Ideas
4. Next Steps (10 mins)

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Stakeholder Discussion (50 mins)

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Stakeholder Discussion

- a) Debrief on Stakeholder Workshop #4 (10/26)
- b) Debrief of Special Project Ideas Workshop (11/18)
- c) Discuss Workshop #5 Format & Materials

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4





Stakeholder Workshop #5

MEETING FORMAT

- Date: 12-13-2016 from 1-4 PM
- Location: Media Center
- Key Objectives:
 - 1) Familiarize with Existing Policy Ideas
 - 2) Gather new Policy Ideas
- Meeting Format:
 - 1) Presentation on Policy Ideas Development (30 mins)
 - 2) Breakout Sessions (4 x 30 mins)
 - 3) Discussion Wrap-up & Meeting Close (30 mins)

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One Water LA

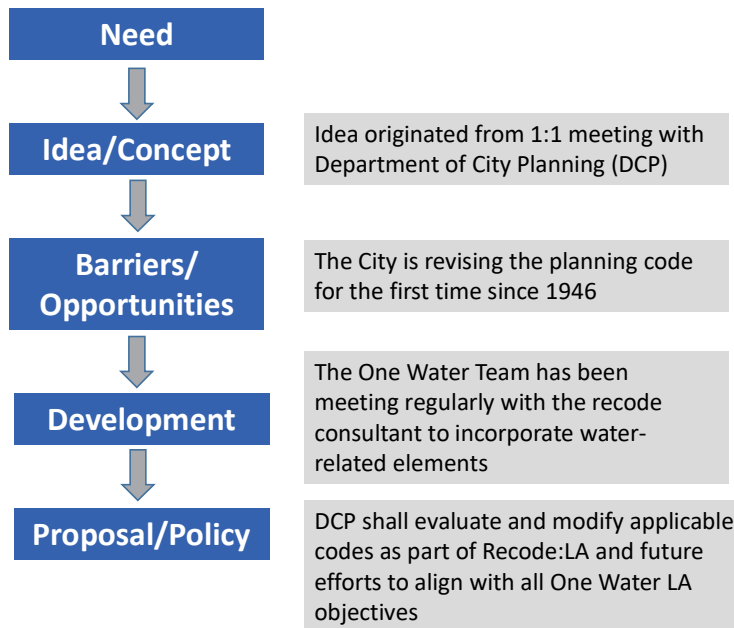
Stakeholder Workshop #5

December 13, 2016

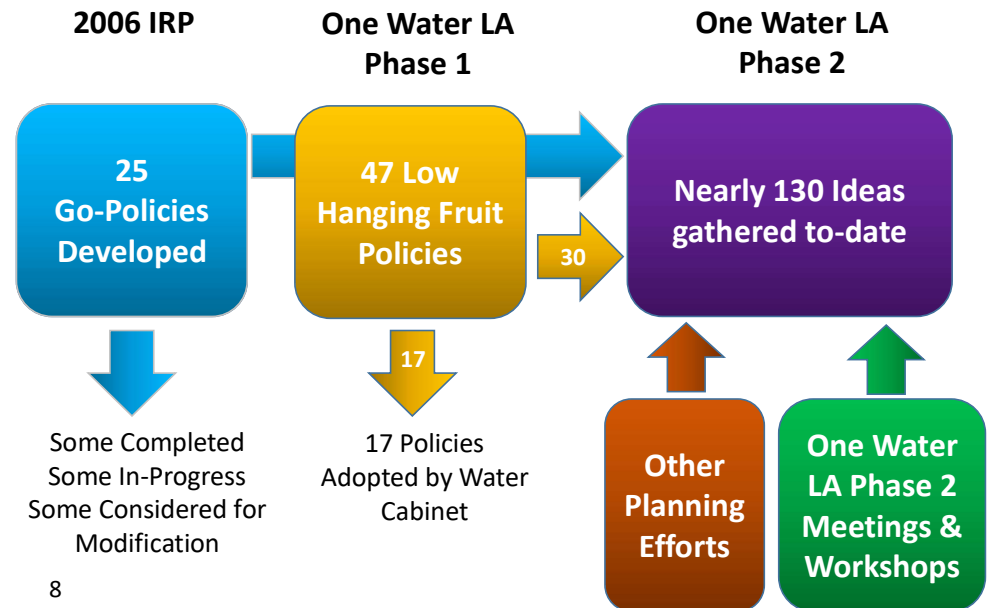
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Policy Development Process

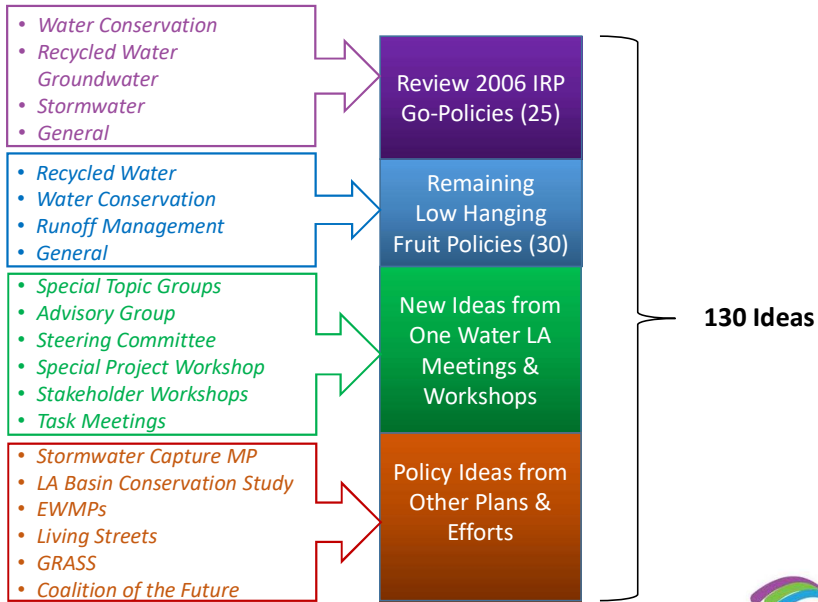


Policy Development Overview

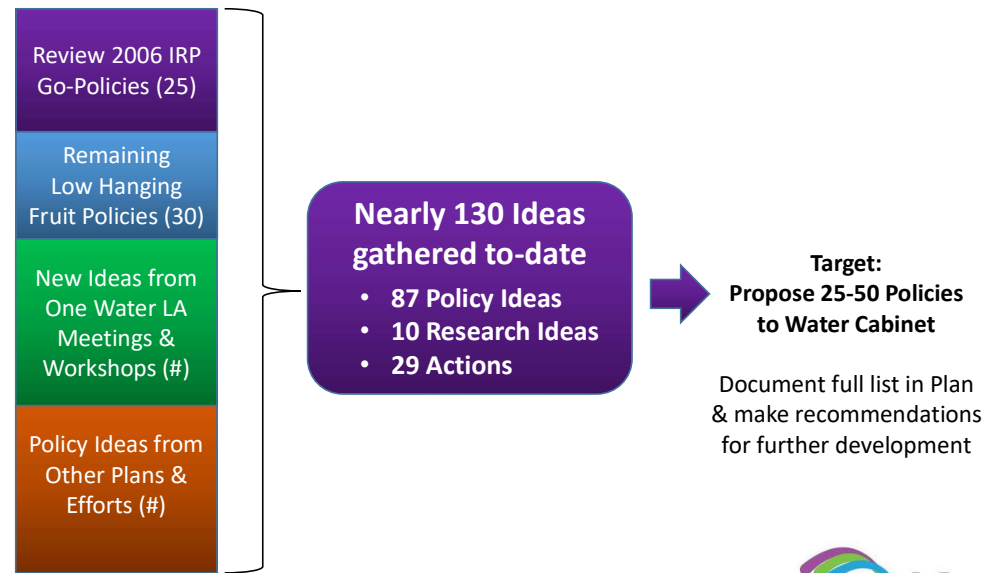


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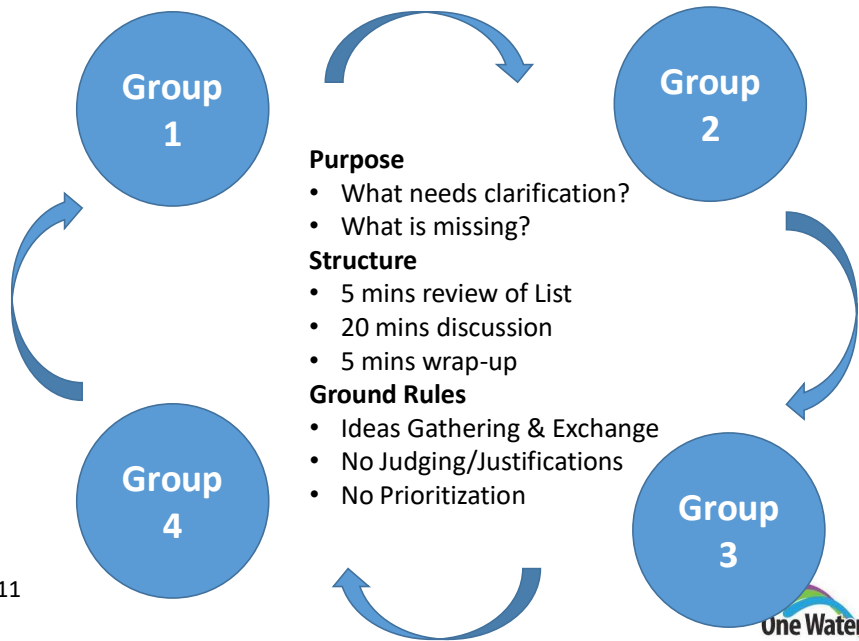
Sources of Policy Ideas



Policy Development History & Objective



Policy Discussion with 4 Rotations



Policy Ideas Categories

Row	Master List No.	Draft Policy Ideas	Source(s)
Stormwater and Urban Runoff - Preventive Stormwater Quality Improvement Measures			
1	54	Develop an ordinance to require drainage water from swimming pools to be discharged into the street (versus storm drain or street).	LASAN
2	55	Conduct inventory and install street parking signage as needed to allow street sweeping throughout the City.	Project Workshop
3	56	Conduct inventory and install more trashbins as needed to prevent trash pollution entering City stormdrains and waterbodies.	Project Workshop
4	57	Develop an ordinance (or rebate program) regulating types of lawn fertilizers to prevent nutrient pollution entering City stormdrains.	
Stormwater and Urban Runoff - Promote Integrated Planning & Design			
5	8	Create simplified standard plans for permeable pavement. Work with fire department to approve permeable pavement standards.	LASAN
6	7	Consider several aspects of upstream BMP installation on needs for larger downstream BMPs over time.	LASAN, Funding STG
7	9	Address priority permit process and current standard plan requirements to remove barriers and simplify process for installing parkway curbs and other stormwater BMPs.	Stormwater STG Project Workshop, LASAN
8	11	Maximize use of City owned property for stormwater capture retrofits.	Steering Committee
9	15	Create standardized agreements to ensure maintenance of collaborative Stormwater Funds.	Steering Committee (HGR)
10	17	Make groundwater recharge at publicly owned sites a priority and/or detain water for reuse in irrigation, while maintaining water quality.	Various
11	18	Evaluate the feasibility of incorporating green infrastructure BMPs in city planning projects.	LASAN
12	19	Create simplified standard plans for multiple distributed green infrastructure BMPs in the public right-of-way.	LASAN
13	20	Assure that water quality benefits are considered a critical implementation criteria for Green Street Projects.	LA Basin Study
14	21	Maximize water supply opportunities in EWMP implementation.	Steering Committee (LAUSD), SCMP
15	22	Feature a good Samaritan clause to provide liability protection for groundwater contamination.	SCMP
16	23	Develop additional design guidance for on-site infiltration and direct use projects.	Stormwater STG
17	24	Assure Re-Code LA, Mitigation Measures, and Community Plans updates encourage and include Stormwater Capture, Water Conservation and Recycled Water Use.	Funding STG, Steering Committee, SWCMP, GRASS
18	25	Create a citywide database to identify collaborative opportunities.	Project Workshop
19	26	Maximize opportunities to incorporate integrated water management strategies (Green Infrastructure) into emerging opportunities including City of LA sidewalk repair program, Measure 5 and Measure 5B projects.	Project Workshop
20	27	Continue longer planning horizon so that project portfolios can be considered over multiple lifecycles.	SCMP
21	28	Investigate the development of a stormwater capture retrofit ordinance that would require stormwater capture projects to be installed in homes upon resale.	

- Group 1**
 - Stormwater – Preventive Measures (4)
 - Stormwater – Integrated Planning (15)
- Group 2**
 - Stormwater – Streamline Implementation (12)
 - Stormwater – Incentive Programs (12)
- Group 3**
 - Water Conservation & Graywater (6)
 - Onsite Recycled Water Treatment Facilities (11)
 - LA River Revitalization (4)
- Group 4**
 - Funding, Cost-Sharing, and Partnerships (11)
 - Sustainability & Climate Change Resiliency (4)
 - Training (3)



Stakeholder Discussion

- Debrief on Stakeholder Workshop #4 (10/26)
- Debrief of Special Project Ideas Workshop (11/18)
- Discuss Workshop #5 Format & Materials
- Advisory Group Member Roles

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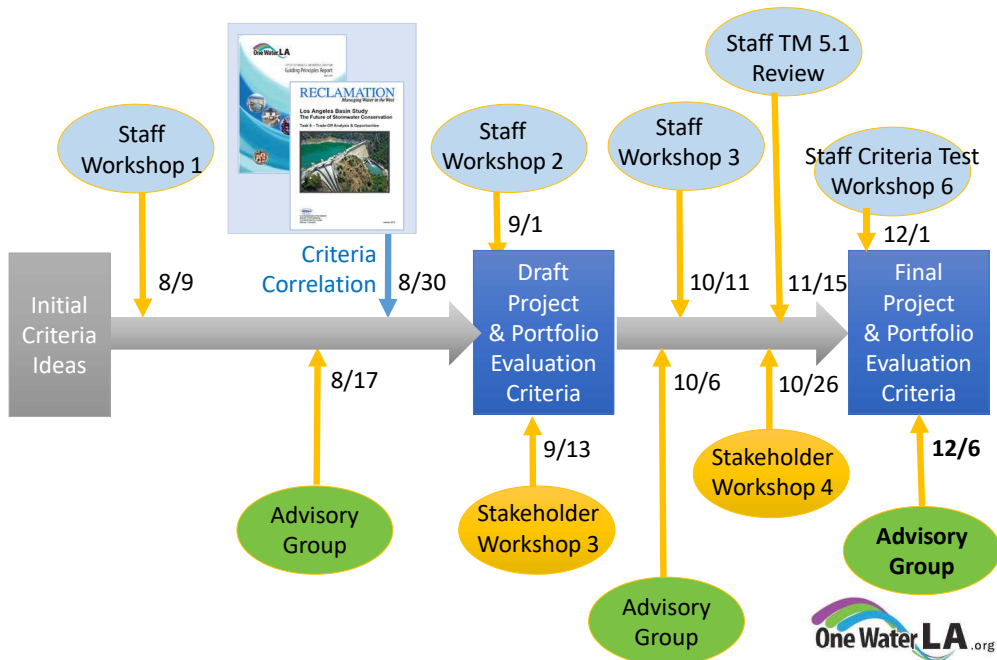


Evaluation Criteria Discussion (50 mins)

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Criteria Development Process



Final Review of Evaluation Criteria

- Economic:** Unit Cost, Financial Benefits, Project Funding Mechanism, Likelihood to obtain Outside Funding
- Resiliency:** Drought Resiliency, Earthquake Resiliency, Flood Risk Mitigation, Local Supply Benefit, Energy Impact/Greenhouse Gas Emissions
- Implementation Risk:** Constructability, Institutional Collaboration, Regulatory Approval, Public Engagement, Property Ownership, Public & Political Support
- Environmental:** Environmental Justice, Air Quality Improvement, Open/Natural Space & Recreational Benefit, Stormwater Quality, Ecological Benefit/Habitat Restoration



Final Review of Evaluation Criteria

- **Economic:** Unit Cost, Financial Benefits, Project Funding Mechanism, Likelihood to obtain Outside Funding
- **Resiliency:** Drought Resiliency, Earthquake Resiliency, Flood Risk Mitigation, Local Supply Benefit, Energy Impact/Greenhouse Gas Emissions
- **Implementation Risk:** Constructability, Institutional Collaboration, Regulatory Approval, Public Engagement, Property Ownership, Public & Political Support
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Content Revision
Important Text Edits
Minor Text Edits only



Energy Impact/Greenhouse Gas Emissions

Table C.10 Criteria – Energy Impact/Greenhouse Gas Emissions

CRITERIA		Energy Impact/Greenhouse Gas Emissions
CATEGORY		Resiliency
DESCRIPTION		Evaluate power consumption, defined as amount of power used per unit of water processed (kWh per acre-ft of water). The total annual energy consumption per unit of supply is the metric for greenhouse gas emissions and associated climate change impacts.
SCORE	SCORE DEFINITION	
5	Overall Rating - Very Low Energy Impact <ul style="list-style-type: none"> • 0-1,000 kWh/acre-ft 	
4	Overall Rating - Low Energy Impact <ul style="list-style-type: none"> • 1,000-2,000 kWh/acre-ft 	
3	Overall Rating - Moderate Energy Impact <ul style="list-style-type: none"> • 2,000-3,000 kWh/acre-ft 	
2	Overall Rating - High Energy Impact <ul style="list-style-type: none"> • 3,000-4,000 kWh/acre-ft 	
1	Overall Rating - Very High Energy Impact <ul style="list-style-type: none"> • Greater than 4,000 kWh/acre-ft 	

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Constructability

Table C.11 Criteria – Constructability

CRITERIA		Constructability
CATEGORY		Implementation
DESCRIPTION		Evaluate the ease of constructing the project. Types of major project components that are considered include groundwater injection or extraction wells, pipelines, treatment plants, green infrastructure, habitat restoration, wetlands etc. (Does not include Property Ownership or land acquisition).
SCORE	SCORE DEFINITION	
5	Overall Rating - Very straight-forward <ul style="list-style-type: none"> • Nearly all project components are located inside the fence (of a City parcel or treatment facility) • No underground utilities • Project is expected to be significantly less complicated to construct compared to a typical project 	
4	Overall Rating - Straight-forward <ul style="list-style-type: none"> • Most project components are located inside the fence and some outside the fence • Less than 5 miles of underground utilities • Project is expected to be less complicated to construct compared to a typical project 	
3	Overall Rating - Typical <ul style="list-style-type: none"> • Project components are located both inside and outside the fence • 5-20 miles of underground utilities • Project is expected to have typical construction concerns 	
2	Overall Rating - Difficult <ul style="list-style-type: none"> • Most project components are located outside the fence • 20-50 miles of underground utilities • Project will be difficult to construct 	
1	Overall Rating - Very difficult <ul style="list-style-type: none"> • Nearly all project components are located outside the fence • Greater than 50 miles of underground utilities • Project will be extremely difficult to construct 	

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Institutional Collaboration

Table C.12 Criteria – Institutional Collaboration

CRITERIA		Institutional Collaboration
CATEGORY		Implementation
DESCRIPTION		Opportunity for inter-departmental collaboration on the Project based on benefits that are aligned with departmental missions measured by the ability to increase coordination between City departments, partners, stakeholders and outside agencies (such as Metropolitan Water District [MWD] or METRO).
SCORE	SCORE DEFINITION	
5	Overall Rating - Very significant collaboration required <ul style="list-style-type: none"> • Regional projects involving multiple outside agencies and multiple City departments 	
4	Overall Rating - Significant collaboration required <ul style="list-style-type: none"> • Regional projects involving multiple outside agencies 	
3	Overall Rating – Some collaboration required <ul style="list-style-type: none"> • Projects involving an outside agency or three or more City departments 	
2	Overall Rating – Minimal collaboration required <ul style="list-style-type: none"> • Projects involving only two City departments 	
1	Overall Rating - No collaboration required <ul style="list-style-type: none"> • Projects involving a single City department 	

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Property Ownership

Table C.15 Criteria – Property Ownership

CRITERIA		Property ownership
CATEGORY		Implementation
DESCRIPTION		Evaluate the ease to acquire necessary parcels/easements, focusing on large project components that do not include assets in public right-of-way.
SCORE	SCORE DEFINITION	
5	Overall Rating - No concerns <ul style="list-style-type: none"> Existing vacant City-owned property controlled by City department leading project implementation Repurpose or co-locate facility with existing 	
4	Overall Rating - Relatively Easy <ul style="list-style-type: none"> Existing vacant City-owned property not controlled by City department leading project implementation 	
3	Overall Rating - Somewhat difficult <ul style="list-style-type: none"> Existing City owned property that could be made available 	
2	Overall Rating - Difficult <ul style="list-style-type: none"> Existing vacant non-City public property Existing vacant private property Property purchase required 	
1	Overall Rating - Very difficult <ul style="list-style-type: none"> No vacant parcels available Property purchase required 	

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Air Quality Improvement

Table C.18 Criteria – Air Quality Improvement

CRITERIA		Air quality improvement
CATEGORY		Environmental
DESCRIPTION		Degree of potential benefit or damage to air quality.
SCORE	SCORE DEFINITION	
5	Overall Rating - Very beneficial <ul style="list-style-type: none"> Considerable improvement Air scrubbing/odor control devices/pollution mitigation is not required Foliage and trees will be included 	
4	Overall Rating - Beneficial <ul style="list-style-type: none"> Some improvement Air scrubbing/odor control devices/pollution mitigation installed Limited foliage and trees included 	
3	Overall Rating - Neutral <ul style="list-style-type: none"> No benefit or damage 	
2	Overall Rating - Harmful <ul style="list-style-type: none"> Some air scrubbing/pollution mitigation required 	
1	Overall Rating - Very harmful <ul style="list-style-type: none"> Considerable air scrubbing/pollution mitigation required 	

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Open/Natural Space & Recreational Benefit

Table C.19 Criteria – Open/Natural Space and Recreational Benefit

CRITERIA		Open/Natural Space and Recreational Benefit
CATEGORY		Environmental
DESCRIPTION		Level to which the project creates locations of open/natural space, reducing heat-island impacts, creating recreational areas and/or ecosystem function and connectivity. Defined as the amount of open/natural space created. Paved open space is not considered beneficial. Turf is limited to recreational benefits.
SCORE	SCORE DEFINITION	
5	Overall Rating - Very beneficial <ul style="list-style-type: none"> Creation of large amounts of open/natural space for recreation or ecosystem function/connectivity. 	
4	Overall Rating - Beneficial <ul style="list-style-type: none"> Creation of small amounts of open/natural space for recreation or ecosystem function/connectivity. 	
3	Overall Rating - Neutral <ul style="list-style-type: none"> No open/natural space created 	
2	Overall Rating - Harmful <ul style="list-style-type: none"> Negatively impacts small amounts of open/natural space previously used for recreation or ecosystem function/connectivity. 	
1	Overall Rating - Very harmful <ul style="list-style-type: none"> Negatively impacts large amounts of open/natural space previously used for recreation or ecosystem function/connectivity. 	

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Final Review of Evaluation Criteria

- **Economic:** Unit Cost, Financial Benefits, Project Funding Mechanism, Likelihood to obtain Outside Funding
- **Resiliency:** Drought Resiliency, Earthquake Resiliency, Flood Risk Mitigation, Local Supply Benefit, Energy Impact/Greenhouse Gas Emissions
- **Implementation Risk:** Constructability, Institutional Collaboration, Regulatory Approval, Public Engagement, Property Ownership, Public & Political Support
- **Environmental:** Environmental Justice, Air Quality Improvement, Open/Natural Space & Recreational Benefit, Stormwater Quality, Ecological Benefit/Habitat Restoration

Content Revision
Important Text Edits
Minor Text Edits only



Flood Risk Mitigation

Table C.8 Criteria – Flood Risk Mitigation

CRITERIA		Flood Risk Mitigation
CATEGORY		Resiliency
DESCRIPTION		Evaluate the ability for the project to mitigate and/or reduce existing flood risk.
SCORE	SCORE DEFINITION	
5	Overall Rating - Regional (neighborhood) benefit <ul style="list-style-type: none"> Project mitigates/reduces existing flood risk on a regional basis 	
4	Overall Rating - Local (multi-parcel) benefit <ul style="list-style-type: none"> Project mitigates/reduces existing flood risk on a local basis 	
3	Overall Rating - No benefit <ul style="list-style-type: none"> Project does not mitigate/reduce existing flood risk 	
2	Overall Rating - Local (multi-parcel) damage <ul style="list-style-type: none"> Project may increase flood risk on a local basis 	
1	Overall Rating - Regional (neighborhood) damage <ul style="list-style-type: none"> Project may increase flood risk on a regional basis 	

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Local Supply Benefit

Table C.9 Criteria – Local Supply Benefit

CRITERIA		Local Supply Benefit
CATEGORY		Resiliency
DESCRIPTION		Evaluate the ability for the project to deliver local supplies to the City, offsetting imported water supplies.
SCORE	SCORE DEFINITION	
5	Overall Rating - Very high <ul style="list-style-type: none"> Greater than 50,000 AEFY of local supply 	
4	Overall Rating - High <ul style="list-style-type: none"> 20,000-50,000 AEFY of local supply 	
3	Overall Rating - Medium <ul style="list-style-type: none"> 10,000-20,000 AEFY of local supply 	
2	Overall Rating - Low <ul style="list-style-type: none"> 5,000-10,000 AEFY of local supply 	
1	Overall Rating - Very low <ul style="list-style-type: none"> Less than 5,000 AEFY of local supply 	

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Ecological Benefit/Habitat Restoration

Table C.21 Criteria – Ecological Benefit / Habitat Restoration

CRITERIA		Ecological Benefit / Habitat Restoration
CATEGORY		Environmental
DESCRIPTION		Degree of potential benefit to surrounding or downstream ecosystems, flora, and fauna, including pollutant minimization, habitat creation, and watershed health.
SCORE	SCORE DEFINITION	
5	Overall Rating - Significant benefits <ul style="list-style-type: none"> Significantly restores ecosystems, creates new habitat and improves watershed health Significantly reduces pollutants to mitigate downstream impacts 	
4	Overall Rating - Moderate benefits <ul style="list-style-type: none"> Moderately restores ecosystems, creates new habitat and improves watershed health Moderately reduces pollutants to mitigate downstream impacts 	
3	Overall Rating - Neutral <ul style="list-style-type: none"> Limited benefit and no known negative impact 	
2	Overall Rating - Moderate negative impacts <ul style="list-style-type: none"> Moderate negative impacts ecosystems, habitat, and watershed health Potential source of environmental pollutants 	
1	Overall Rating - Significant negative impacts <ul style="list-style-type: none"> Significant negative impacts ecosystems, habitat, and watershed health Known source of environmental pollutants 	

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Public Engagement

Table C.14 Criteria – Public Engagement

CRITERIA		Public Engagement
CATEGORY		Implementation
DESCRIPTION		Evaluate the opportunity for the public to be involved in project planning and implementation, and after project completion through ongoing education programs, and volunteer opportunities.
SCORE	SCORE DEFINITION	
5	Overall Rating - Significant Engagement Opportunities <ul style="list-style-type: none"> Opportunities for active and continuous community involvement or educational center 	
4	Overall Rating - Some Engagement Opportunities <ul style="list-style-type: none"> Opportunities for community involvement. 	
3	Overall Rating - Limited Engagement Opportunities <ul style="list-style-type: none"> Community involvement limited to educational opportunities 	
2	Overall Rating - Very limited Engagement Opportunities <ul style="list-style-type: none"> Community involvement limited to signage or other passive methods 	
1	Overall Rating - No Engagement Opportunities <ul style="list-style-type: none"> No opportunity for community involvement 	

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Final Review of Evaluation Criteria

- **Economic:** Unit Cost, Financial Benefits, Project Funding Mechanism, Likelihood to obtain Outside Funding
- **Resiliency:** Drought Resiliency, Earthquake Resiliency, Flood Risk Mitigation, Local Supply Benefit, Energy Impact/Greenhouse Gas Emissions
- **Implementation Risk:** Constructability, Institutional Collaboration, Regulatory Approval, Public Engagement, Property Ownership, Public & Political Support
- **Environmental:** Environmental Justice, Air Quality Improvement, Open/Natural Space & Recreational Benefit, Stormwater Quality, Ecological Benefit/Habitat Restoration

Content Revision
Important Text Edits
Minor Text Edits only



Final Evaluation Criteria

- **Economic:** Unit Cost, Financial Benefits, Project Funding Mechanism, Likelihood to obtain Outside Funding
- **Resiliency:** Drought Resiliency, Earthquake Resiliency, Flood Risk Mitigation, Local Supply Benefit, Energy Impact/Greenhouse Gas Emissions
- **Implementation Risk:** Constructability, Institutional Collaboration, Regulatory Approval, Public Engagement, Property Ownership, Public & Political Support
- **Environmental:** Environmental Justice, Air Quality Improvement, Open/Natural Space & Recreational Benefit, Stormwater Quality, Ecological Benefit/Habitat Restoration

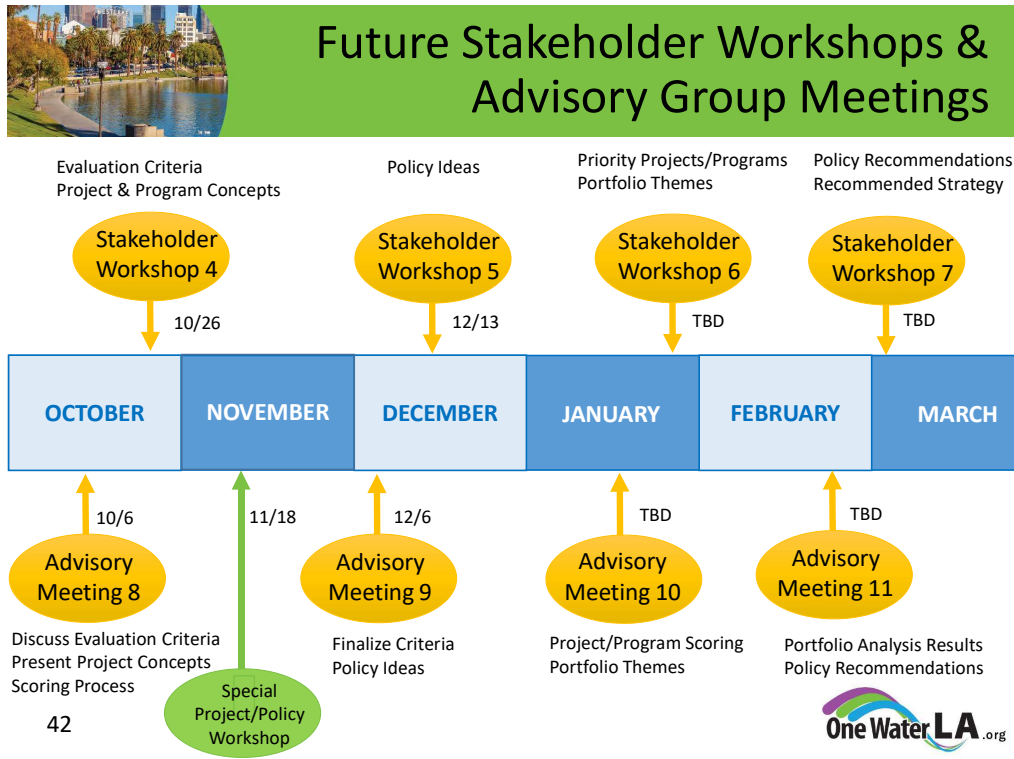


One Water LA

Next Steps (10 mins)

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All Water is One Water



Next Steps for One Water LA 2040 Plan

KEY ACTIVITIES & DELIVERABLES for Q1 2017

- Task 3: Near-Term Integration Case Studies
- Task 5: Long-Term Alternatives Analysis
- Task 7: Wastewater Facility Plans
- Task 8: Stormwater & Urban Runoff Facility Plan
- Task 15: Progress Update Report (March 2017)

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Meeting Close

44

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ADVISORY GROUP MEETING #10 (03/22/17)

The following pages present the meeting agenda and meeting summary from the Advisory Group Meeting #10, held on March 22, 2017.

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One Water LA Plan Phase 2 Advisory Group Meeting #10 Agenda

Wednesday, March 22, 2017
10:00 a.m. – 12:00 p.m.
2714 Media Center Drive, L.A. 90065 (Training Room)

Meeting Objectives:

- Receive input on Progress Report

Agenda

- | | |
|---|----------------|
| 1. Welcome and Introductions (10 mins) | 10:00-10:10 am |
| 2. Progress Report Purpose (5 mins) | 10:10-10:15 am |
| 3. Discuss Progress Report | |
| a. Part 1 - Look & Feel (45 mins) | 10:10-11:00 am |
| - Is the language of the report user-friendly? | |
| - Does the report have sufficient graphics? | |
| - Are there any major presentation style changes needed? | |
| - Is this a good communication tool for your respective groups? | |
| b. Part 2 - Content (45 mins) | 11:00-11:45 am |
| - Is the content clear and easy to understand? | |
| - Is the level of detail balanced with enough technical details? | |
| - Is there anything major missing considering the report purpose? | |
| 4. Next Steps (15 mins) | 11:45-12:00 pm |
| a. Remaining written comments (due 3/24) | |
| b. Completion Timeline | |
| c. Report Publication Event | |
| 5. Meeting Close | 12:00 pm |



**One Water LA
Advisory Group Meeting #10
Wednesday, March 22nd, 2017 10:00AM- 12:00PM
2714 Media Center Drive, Los Angeles 90065 (Board Room)**

Meeting Summary

The purpose of this summary is to provide an overview of the discussion topics, including ideas, solutions and issues. It is not intended as a transcript or as minutes.

Meeting Attendees

Advisory Group Members

1.	Carolyn Casavan	Sherman Oaks NC
2.	Jack Humphreville	Greater Wilshire NC
3.	Kelly Sanders	USC
4.	Ken Murray	Wilderness Corp
5.	Louise McCarthy	Community Clinic Association of LA County
6.	Melanie Winter	The River Project
7.	Mike O’Gara	Sun Valley Area NC
8.	David Nahai	David Nahai Companies

One Water LA Team

1.	Hampik Dekermenjian (facilitator)	CDM Smith
2.	Lenise Marrero	LASAN
3.	Ali Poosti	LASAN
4.	Eliza Jane Whitman	LASAN
5.	Azya Jackson	LASAN
6.	Flor Burrola	LASAN
7.	Rebecca Drayse	LASAN
8.	Tim Chen	LASAN
9.	Anthony Tew	LADWP
10.	Inge Wiersema	Carollo Engineers Inc.
11.	Jacquelin Reed	Carollo Engineers Inc.

Meeting Purpose

The One Water LA team met with the Advisory group members on March 22nd to discuss the One Water LA Progress Report. The purpose of this meeting is to receive feedback from the Advisory Group on the Draft Progress Report.

Introduction

The purposes of this progress report is to provide an overview of One Water LA to general publics and stakeholders, as well as to serve as a communication tool for Advisory Group, plan ambassadors and other groups and organizations who want to be a



part of this planning effort. The team requested general impressions on the Executive Summary and whether or not the content is clearly conveyed. The Advisory members were thanked for their time and commitment throughout the development of the plan.

Advisory Group Feedback on the General Look

The following comments were given when each Advisory group member was asked to give their first impression of the Progress Report:

- The graphics look good in general and the Progress Report is visually appealing.
- The layout is too busy. The following approaches were proposed to resolve this issue:
 - Add more white space,
 - Remove some of the color blocking (example, page 10)
 - Increase font size,
 - Adjust the ratio between graphics and text.
- A 2-4 page Executive Summary (ES) is recommended.
- The Advisory Group expects more uses of electronic version rather than hard copy.
- The Report needs to be more objective by showing graphics with analysis and highlighting programs.
- The Progress Report was expected to be 20 to 30 pages instead of 68 pages. It is too long for neighborhood councils and the general public.
- The format is not yet ready for a deliverable:
 - Page 20 looks good and consistent, but page 18 mixes color blocking and white background on the same page.
 - Full justification is suggested.
 - Use other color or bold the captions for better readability.
- The cover photo needs to be replaced. Suggest featuring watershed approach.
- Be more deliberate and remove redundancy. Assess the value and importance of each picture and graphic before including. By doing this, the report could be reduced by 5 to 10 pages.
- This is a wonderful document that has detail tech info for water industry audience. The problem is it's too dense for the general public. So maybe consider a separate, shorter document for those audiences.
- The group photos of people standing around on pages 6 and 18 should be removed.
- Pictures and graphics on page 33 look good.



Advisory Group Feedback on the Content

The following comments regarding the content of the Progress Report were given by Advisory Group members:

- Page 19 - banner photo is good
- Text is too technical for general public; need to focus more on solutions (what we can do).
- Page 21 - too technical as well, need a more primary visual (show groundwater basins).
- The report would benefit from a professional editor.
- The Advisory Group needed more time to review the report.
- A graphic illustrating One Water LA is needed somewhere in the report.
- Rather than an informational figure, or graphic use photos on the cover.
- Adjust the sequence of the content by moving One Water LA Objectives to the beginning.
- The suggestion of dropping Section 2 (Existing Water Management Strategies), or summarizing it into one to two pages, was supported by the Advisory Group.
- The group discussed the level of audience and most agreed on 11th grade level.
- It was suggested to show all partners and to keep the mayor's photo on Page 1.
- Climate change includes drought, flood and temperature, and temperature was not included on Pages 5 and 6. This section was important to management, but the Advisory Group found that it's hard to read and not targeted well to audience.
- Page 39 - The title makes it seem as though One Water LA was planning for a plan rather than planning for actual implementation. The title would make sense more if it was "Increase climate resilience through climate change mitigation".
- Page 16 - The objectives were described as 104 gpcd for 2017 and 110 gpcd for 2025. The Advisory Group suggested a more inspiring way of the objective descriptions. One Water Team suggested eliminating 110 gpcd for 2025 and just showing 98 gpcd for 2035.
- Page 5 - It is important to explain that the City has a unique geographic condition with a massive groundwater basin capacity for recharging, and the City is currently focusing on stormwater and wastewater facilities instead of ocean desalination.
- Rephrase the description of water demand by using per capita reductions on Page 5.



- Before the challenges section, include a figure showing where water currently come from would be helpful. On this figure, it was suggested to show not only imported water, but also surface water (stormwater and urban runoff) and groundwater.
- Suggested using “preparing for LA’s future water needs” instead of “preparing for increasing water demands”.
- Since the challenge was balancing the water resources, it was needed to add the watershed approach as a challenge.
- It was suggested to combine the challenges described in the report by using the following categories:
 - Climate Change (including temperature),
 - Finding new sources of water,
 - Finding new sources of capital,
 - Dealing with aging infrastructures,
 - Dealing with population growth, and
 - Dealing with environmental regulations.
- Recommend highlighting the partnership with LA County.
- More graphic ideas could be found in the UCLA study.
- Page 35 - Groundwater was missed.
- Page 36 -The palm tree picture should be replaced.
- Page 39 – Climate threats - sea level rise should not be number 2 and it needed to be re-ordered.
- Pages 45 and 46 – Roadmap - groundwater and upper watershed were not included.
- Page 49 - The water supply concept ideas are hard to read.

Next Steps and Meeting Close

The Advisory Group members will send their additional comments to the One Water LA Team by next Thursday, March 30th. Meanwhile, Carollo will start editing the document per the comments received today.

Action Items

One Water LA Team to:

- Set up follow-up phone calls with Advisors to close the loop
 - Talk to Mr. Nahai regarding his comments next Wednesday at 11 am.
 - Contact Dr. Sanders for her comments.

Attachments

- Advisory Group Meeting Handouts

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ADVISORY GROUP MEETING #11 (05/23/17)

The following pages present the meeting agenda , summary and presentation given at the Advisory Group Meeting #11 and follow up conference call, held on May 23, 2017 and June 12, 2017 respectively.

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One Water LA Plan Phase 2 Advisory Group Meeting #11 Agenda

Tuesday, May 23, 2017
10:00 a.m. – 12:00 p.m.
2714 Media Center Drive, L.A. 90065 (Training Room A)

Meeting Objectives:

- Progress Report Status
- Discuss Stakeholder Workshop #6

Agenda

1. Welcome and Introductions (5 mins) 10:00-10:05 am
2. Progress Report Update (15 mins) 10:05-10:20 am
 - a. Present 4-Page Summary
 - b. Progress Report Update
3. Stakeholder Engagement to date (30 mins) 10:20-10:50 am
 - a. Overview of One Water LA Engagement
 - b. SW & WW Facilities Plan Informational Meeting Debrief
 - c. Engagement on Today's Topic
 - d. Upcoming Engagement Activities
4. Discuss Upcoming Stakeholder Workshop #6 'Implementation Strategy' (50 mins) 10:50-11:40 am
 - Stakeholder Workshop Objectives
 - Long-Term Project Categories Survey - Preliminary Results
 - Discuss Meeting Topics
 - a. Implementation Strategy Overview
 - b. Triggers
 - c. Policies & Programs Update
 - d. Funding Update
5. Next Steps (20 mins) 11:40-12:00 pm
 - a. One Water Plan Completion Timeline
 - b. One Water Plan Testimonials
 - c. Future Meeting Topics
6. Meeting Close 12:00 pm

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One Water LA
Advisory Group Meeting #11 and Follow-up Conference Call
Tuesday, May 23rd, 2017 10:00AM- 12:00PM and
Monday, June 12th, 2017 1:00PM- 2:30PM
2714 Media Center Drive, Los Angeles 90065 (Training Room A)

Meeting Summary

The purpose of this summary is to provide an overview of the discussion topics, including ideas, solutions and issues. It is not intended as a transcript or as minutes.

Meeting Attendees

Advisory Group Members

1.	Carolyn Casavan *	Casavan Consulting
2.	Jack Humphreville*	Greater Wilshire NC
3.	Kelly Sanders	USC
4.	Ken Murray	Wilderness Corp
5.	Louise McCarthy	Community Clinic Association of LA County
6.	Melanie Winter	The River Project
7.	Mike O’Gara	Sun Valley Area NC
8	David Nahai	David Nahai Companies

*Also attended the in-person meeting

One Water LA Team

1.	Hampik Dekermenjian (facilitator)	CDM Smith
2.	Lenise Marrero	LASAN
3.	Ali Poosti	LASAN
4.	Regidia Voong	LASAN
5.	Eliza Jane Whitman	LASAN
6.	Azya Jackson	LASAN
7.	Stefanie Perez	LASAN-WPD
8.	Flor Burrola	LASAN
9.	Rebecca Drayse	LASAN
10.	Tim Chen	LASAN
11.	Bob Sun	LADWP
12.	Serge Haddad	LADWP
13.	Anthony Tew	LADWP
14.	Penny Falcon	LADWP
15.	Rafael Villegas	LADWP
16.	Inge Wiersema	Carollo Engineers Inc.
17.	Jacquelin Reed	Carollo Engineers Inc.



Meeting Purpose

The One Water LA team met with the Advisory group members on May 23rd and June 12th to provide an update the One Water LA progress report and engagement activities, and to receive input from the Advisory Group on the approach and format of the June 19th Stakeholder Workshop. The June 12 follow-up call was scheduled to update the Advisory Group members that were not able to attend the May 23rd in-person meeting. Below are the topics discussed for each meeting.

In-person meeting on May 23, 2017– Topics Discussed:

- One Water LA Progress Report
- Stakeholder Engagement To-date
- Debrief of Wastewater and Stormwater Facilities Plan on 5/11
- Stakeholder Workshop Discussion – Implementation Strategy and Rotation Exercise

Conference Call on June 12, 2107– Topics Discussed:

- One Water LA Progress Report
- Stakeholder Workshop Discussion – Implementation Strategy and Rotation Exercise

One Water LA Progress Report

During the Advisory Group meeting held on March 22, 2017, the One Water LA Team presented a 60-page draft One Water LA Progress Report to the Advisory group. The consensus of the group was that the report needed to be split into two reports, one for the general public and one for stakeholders interested in greater detail. The team took the advice from the advisory group to split the 60 page summary into two reports; a four-page executive summary report (presented during the May 23 meeting) and a 50 page summary report. The 50 page summary report provides more details and will be posted on the One Water LA website. The team also used an editor to improve the readability of the report. Advisory Group members provided their thoughts on the four page progress report which are summarized:

- Much better than the 60 page progress report.
- Under the local water supplies, does that include Owen’s Valley (LA Aqueduct)?
 - **Response:** No, the LA Aqueduct is not considered a local water supply.
- The four-page report is easy to read and a great handout to distribute. Great job!

The team will send the updated progress report to the Advisory Group.



Stakeholder Engagement To-date

The team described the six different One Water LA groups that have been engaged throughout the process. The six groups are presented in Figure 1.



Figure 1: One Water LA Stakeholder Engagement

Per the Advisory Group's request, a list of meetings with each of the different groups, along with additional engagement activities was distributed. The list includes all the meetings to-date with a brief summary of each meeting. The list is organized as follows:

- Engagement Activity – This includes One Water LA presentations to international and national groups, neighborhood councils, conferences, fairs, and more. This section also includes all the Stakeholder, Advisory, Special Topic Group, and Steering Committee meetings.
- One Water LA Focus Meeting and Discussions – This includes all the meetings with other City Departments, Academic, Business, and Regional Agencies along with the topics that have been discussed.

The Advisory Group stated that the list is useful, but that they would like the different City Departments and Regional Agencies to provide an update on the topics that have been discussed. For example, they would like to know BOE's status on the sidewalk repair programs and their upcoming curb-cut standards.



Debrief of Wastewater and Stormwater Facilities Plan Meeting

The Wastewater and Stormwater Facilities Plan Informational Stakeholder Meeting was held on May 11th, 2017. The One Water LA team asked the Advisory Group for their overall impression of the meeting. Below are a few of the key points that were discussed:

- The informational workshop has helpful to see how much effort is being done in completing both facilities plans.
- Showing the Cost component was also helpful.
- Geosyntec did a great job. It needs a lot of work, but it was a good start.

The team also presented the stakeholder engagement activities related to One Water LA's Long-term Alternatives Analysis. This includes:

- October 2016 Workshop #4 - Presented long-term project ideas
- November 2016, Special Meeting - Project Ideas Brainstorm
- January 2017, SurveyMonkey exercise #1 - Ranking of importance of Evaluation Criteria
- May 2017, SurveyMonkey exercise #2 - Ranking favorability of Long-Term Strategy Categories

Stakeholder Workshop Discussion – Implementation Strategy

It was stated that the focus of the in-person meeting is meeting is to discuss the portfolios and the implementation strategy. The team revised the presentation (PPT) and the agenda of the workshop after receiving great input from the advisory group members during the first meeting. The following revised agenda was presented during the June 12th conference call:

1. Welcome & Introductions
2. Recent Publications
3. LA County Water Resilience Plan
4. Orange County Water District
5. Presentation and Q&A
6. Rotation Exercise & Recap
7. Next Steps
8. Group Photo and Lunch

Per the request of the advisory group, the LA County has been asked to present on their recent motion related to the Water Resilience Plan. The Orange County Water District will also present and will give free bottled water samples from their advanced water purification facility.



Presentation

The format and approach for workshop #6 (June 19th) was presented to the Advisory Group. It was stated that the focus of the workshop is to make sure that stakeholders are able to answer the following questions by the end of the workshop:

1. What are the One Water LA Vision and Objectives?
2. What are the elements of the One Water LA 2040 Plan?
3. What are the Long-term Integration Strategies to achieve the Objectives?
4. How are we going to develop the Implementation Strategy?

A survey was sent to all stakeholders that presented eight project concept categories and asked the stakeholders to prioritize from most favorable to least favorable. The results were presented to the group.

Twenty-five future concept ideas were developed. A fatal-flaw analysis resulted in the elimination of one concept idea. Twenty-four concept ideas were then evaluated and grouped into four themed portfolios. The four portfolios themes are as follows:

1. Minimize Costs
2. Maximize Environmental Benefits
3. Maximize Institutional Collaboration
4. Maximize Local Water Supply

A sensitivity analysis was completed for all four portfolios to identify extremes and to ultimately develop a “hybrid” portfolio. The projects that are already in-progress or planned are in the “benchmark” portfolio.

The Implementation strategy is geared towards meeting the Sustainable City pLAN and the One Water LA Vision and Objectives. The implementation strategy elements presented were as follows:

- Wastewater Facilities Plan recommendation
- Stormwater and Urban Runoff Facilities Plan recommendation
- Long-term strategies hybrid portfolio
- Long-term Policies and Programs Recommendations
- Near-term Integration Opportunities

These projects will be grouped into an implementation strategy that will take place over the next 25 years. The triggers that will initiate the planning for these projects were also presented.



Policies and funding strategies also fits into the implementation strategy. Policies from the IRP, LA Basin Study, and other recent studies were included in the policy ideas list.

Comments received from Advisory Group members (during both meetings) in regards to workshop #6 are summarized:

- There are more than 4 Sustainable City pLAN goals (15-16) that One Water LA supports. One of the Advisory Group members offered to send the list to the team and the Advisory Group.
- The survey needs to include a cost-benefit analysis for each category.
 - Response: These projects are not defined well enough to develop a cost analysis. We can provide a range to the next stakeholder workshop.
- If you provide a range, also provide examples for the low end and high end of each range.
- IPR was not well defined in the survey. Are you open to any additional input?
 - Response: The survey might still be open. The One Water LA team will have to check and get back to the group.
- The presentation is too much (May 23rd PPT). The stakeholders will not know what you are talking about. The presentation needs to be generalized for the stakeholders, but you also need to have the details for those who ask for them.
- Recommendation to the May 23rd PPT: Don't list the projects, instead list the major categories. Provide the details in a handout for those who ask for the details. Link the concepts with the 25 projects.
- Revise Slide 29 (May 23rd PPT) to match the concepts with the category. Arrange by colors in Slide 19. The potential boards can show the maps or examples for each concept (ex. LFDs, DPR, etc.)
- You should still include the 25 concepts and the criteria to show how you got to the final recommended list.
- It is widely known that there is a significant planning effort to having more satellite plants throughout the City (with MET and others). Where is that on your presentation?
 - Response: There were two or three satellite plants that were considered as part of the analysis. We did not want to overwhelm the stakeholders by going into detail with all the 25 concepts. We are focusing on the top recommended concepts. We will remove the other concepts from the map, and only focus on the recommended concepts.
- Can we sell our recycled water for profit to keep the rate payers fee down? For example, can we sell our water to West Basin for profit?



- Response: The City can sell the water to another agency, as it does today to West Basin. We will get back to you on what dictates the price and the rules to what guides those prices.
- The Hybrid portfolio is a good approach.
- You can present the alternative projects (Slide 33-May 23rd PPT) with an “A” to communicate to the stakeholders that the project is still being considered even though it does not have an X.
- The use of the term triggers (Slide 33- June 12th PPT) seems to be more like barriers and not triggers. Triggers means that you must move forward. The term trigger is being used in a different context than how it has been used before.
 - Response: We are definitely open to using another word that can clarify the purpose. By using the term trigger, we are saying that something needs to occur to trigger the possibility of the preferred concept. An evaluation will still need to occur after the project has been triggered.
- If you are keeping this slide (slide 33-June 12th PPT), you need to also clarify that there are other considerations that create a trigger.
 - Response: We will add an additional slide that will define what is meant by the use of the word (trigger).
- We should also look at trends, which are different than triggers. For example, water conservation trends. The turf replacement program can make native landscaping the new norm.
- How did you come up with the unit cost?
 - Response: The approach to the unit cost is the capital cost and the O&M costs, and it has been amortized to 2040. We can provide our assumptions to how we arrived to the unit cost.
- We also need to include the “do-nothing” option in the unit cost table.
 - Response: Yes, we will include it.
- Please review the capital cost for Stormwater Management. The range should be -30% to +10% instead of -10% to +20%.
 - Response: We will review the assumptions.
- Stormwater and Urban Runoff Facilities Plan helps meet more than one One Water LA objective, please include more than one as an example.
- You need to state the goals of the meeting at the beginning of the meeting.
- You need to demonstrate the County’s involvement and the depth of their involvement in One Water LA.



Stakeholder Workshop Discussion – Rotation Exercise

During the in-person meeting, the Advisory group members mentioned that the presentation was too detailed. Their recommendation was to revise the presentation and the format the workshop to appeal both of the following groups; the stakeholder group looking for a general update and the group that is looking for the specific details. The workshop will need to appeal both interests groups.

The format of the workshop was adjusted to include four breakout sessions. The presentation was revised to appeal the interest group looking for a general update, and the breakout sessions will serve as an opportunity to ask specific questions on the following topics related to the implementation strategy:

1. Water Reuse
2. Stormwater Management
3. Policies and Programs
4. Implementation Strategy

Comments received from Advisory Group members in regards to the breakout sessions are summarized:

- What will happen at the 2 minute recap?
 - Response: We will have at least two experts at each station that will answer questions. We will also provide comment cards and a parking lot list for the questions we did not get to answer during the session. The experts will give a two minute recap on the key questions that were discussed during the breakout session.
- The time frames are too small for the goals we are trying to achieve. Twelve minutes is barely enough for one question.
- Recommendation was given to allow the stakeholder to choose their station (one or two stations) and spend the entire 50 minutes at the station. You can also remove the recap section and email the recap after the meeting.
 - Response: We will go back and revisit the format of the exercise.
- Make sure you have someone write the questions that come up so that the question is not repeated.

Next Steps

- One Water LA 2040 Plan – Completion Timeline
- One Water Plan Testimonials
- Future Meeting Topics:
 - Event to launch One Water Plan
 - Programmatic EIR
 - Role of Advisory Group
 - Future Focus Meetings



- Regular One Water Plan Updates

Action Items

Advisory Group to:

- Attend One Water LA Stakeholder Workshop on June 19th.

One Water LA Team to:

- Revise the presentation.
- Send the updated progress report to the Advisory Group.
- Schedule an internal meeting to determine how we can present the County's involvement in One Water LA.

Attachments

- May 23rd – Advisory Group Meeting Presentation
- June 12th (Conference Call) – Advisory Group Meeting Presentation

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Advisory Group Meeting

May 23, 2017

All Water is One Water

Agenda

- | | |
|-----------------------------------|--------------------|
| 1. Welcome & Introductions | 10:00 – 10:05 a.m. |
| 2. Progress Report Update | 10:05 – 10:20 a.m. |
| 3. Stakeholder Engagement to date | 10:20 – 10:50 a.m. |
| 4. Discuss Stakeholder Workshop | 10:50 – 11:40 a.m. |
| 5. Next Steps | 11:40 – 12:00 p.m. |
| Meeting Close | 12:00 p.m. |

2



Meeting Objectives

1. Progress Report Status
2. Discuss upcoming Stakeholder Workshop #6

3



Welcome & Introductions

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The "One Water LA Summary Report"

PURPOSE

- Communication tool for community outreach

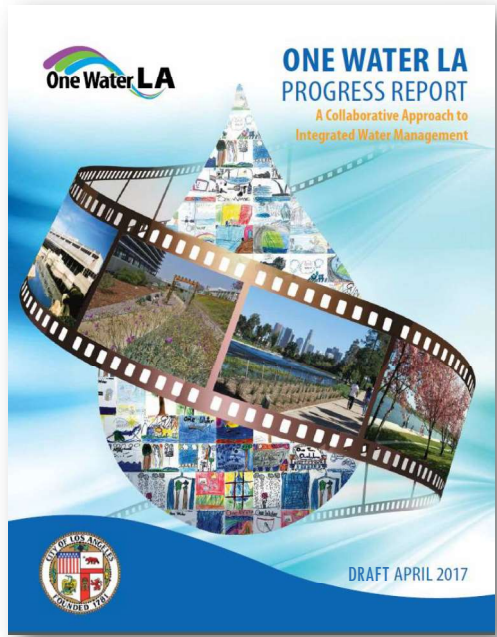
CONTENT

- High-level overview
- Purpose of One Water LA
- Overview of Progress to-date



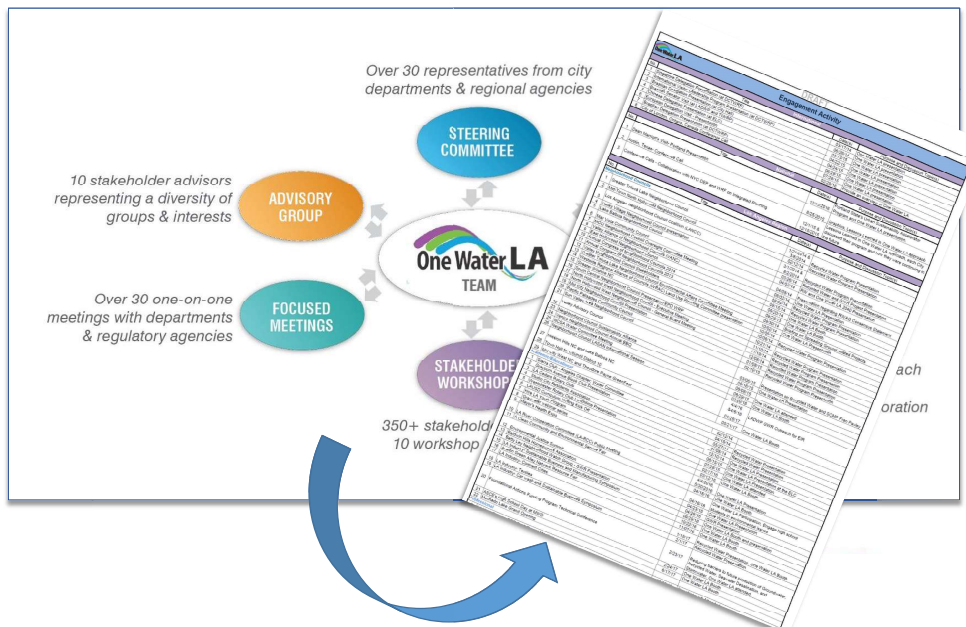
The "One Water LA Progress Report"

- High-level overview
- Purpose of One Water
- Progress since 2014
- Approx. 50 pages of highlights
- To be distributed online as a PDF



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One Water LA Stakeholder Engagement



One Water LA Engagement Overview



WW & SW Facilities Plans Debrief

- Request your feedback on the recent Stakeholder Informational Meeting on the Wastewater and Stormwater Facilities Plans

Key Questions:

1. What did you learn?
2. What was confusing?
3. What can we improve?
4. What did you like?



Long-Term Alternatives Analysis Engagement to-date



- October 2016 Workshop #4**
Presented long-term project ideas
- November 2016, Special Meeting**
Project Ideas Brainstorm
- January 2017, SurveyMonkey exercise #1**
Ranking of importance of Evaluation Criteria
- May 2017, SurveyMonkey exercise #2**
Ranking favorability of Long-Term Strategy Categories (results in next section)

Upcoming Engagement Activities

- June 1: Young Citizen Artist Program final presentation
- June 7: LA River Day
- June 17: Machado Lake Grand Opening
- June 27-29: US Water Alliance One Water Conference
- September 11-13: Annual WaterReuse Symposium
- La Kretz Center Display & Video (in process)

13



DRAFT



Stakeholder Workshop: Implementation Strategy

June 19, 2017
(tentative date)

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Stakeholder Workshop Agenda

DRAFT

- | | |
|-------------------------------|--------------------|
| 1. Welcome & Introductions | 10:00 – 10:05 a.m. |
| 2. One Water LA Update | 10:10 – 10:20 a.m. |
| 3. Long-Term Strategies | 10:20 – 11:00 a.m. |
| 4. Implementation Strategy | 11:00 – 12:00 p.m. |
| 5. Next Steps | 12:00 – 12:15 p.m. |
| 6. Photo of Stakeholder Group | 12:15 – 12:30 p.m. |
| 7. Lunch | 12:30 – 1:00 p.m. |
| Meeting Close | 1:00 p.m. |

Today's Discussion

15



DRAFT



Long-Term Strategies

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Long-Term Strategy Plan Elements

DRAFT

Previous Informational Meeting Topic (May 11, 2017)



Long-Term Strategy Development

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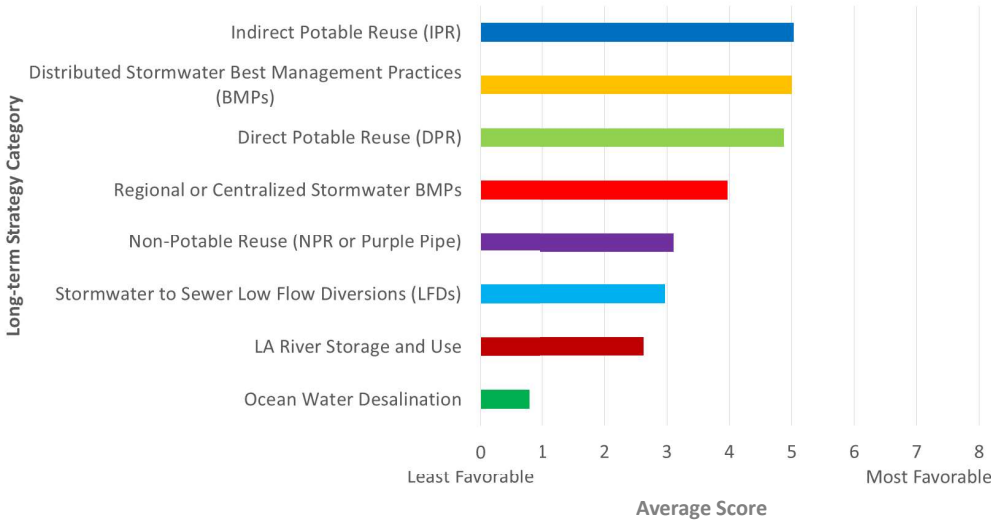
The One Water LA Plan's long-term strategy will consist of a mix of projects and programs that support the Mayor's water-related Sustainable City pLAN goals and the supply strategy defined in the 2015 Urban Water Management Plan.



Stakeholder Survey Results

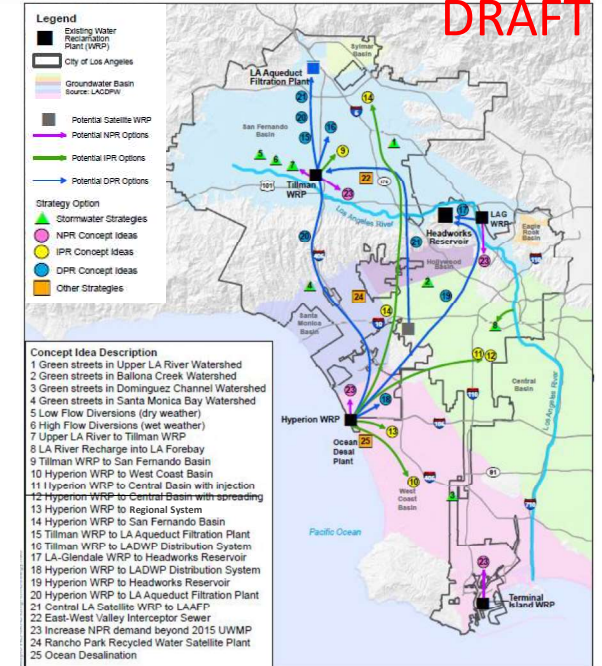
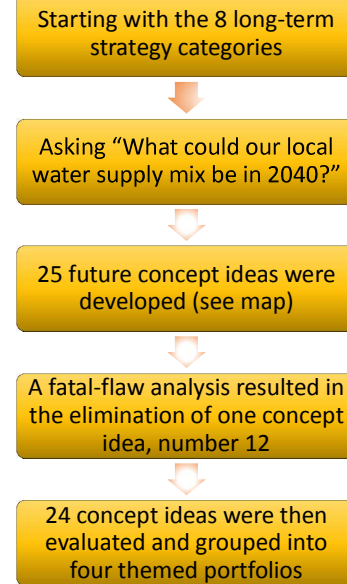
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Average Prioritizing Scores for Long-Term Strategies



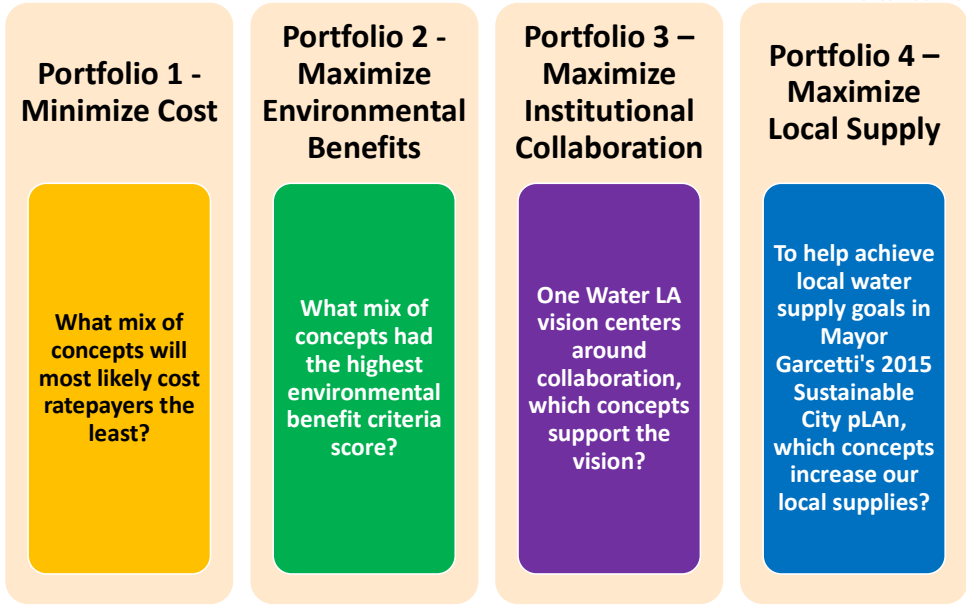
Long-Term Strategy Development

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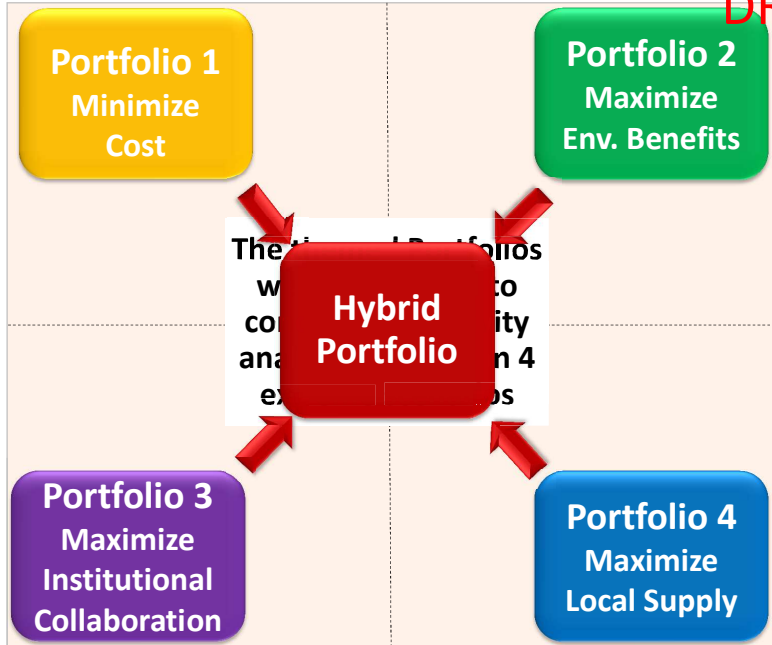
How were Portfolio Themes chosen?

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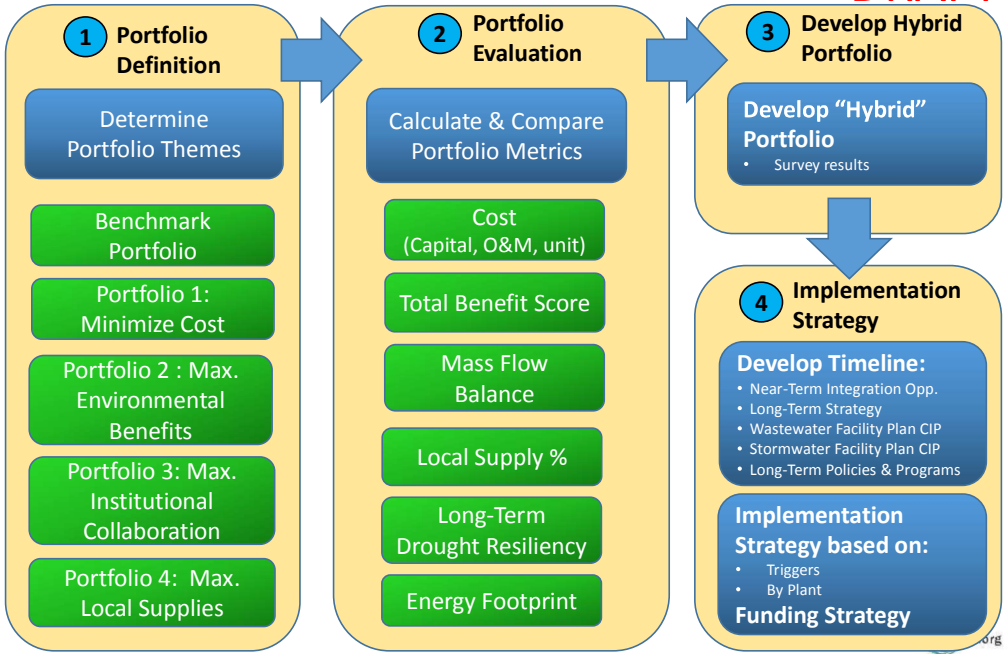
Themed Portfolio Development

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Long-Term Strategy Development Process

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What is the Benchmark Portfolio?

- The Benchmark Portfolio is the foundation upon which the four themed Portfolios are built.
- The Benchmark portfolio represents:
 - Existing Supply Sources
 - In-Progress Projects & Programs
 - Planned Stormwater Management Projects

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Benchmark Portfolio Components

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Projects or Programs that are expected to occur independent of the One Water LA Plan

- San Fernando Groundwater Basin Cleanup & Remediation
- Maximize Water Rights in other basins (West Coast Basin, Central Basin, Sylmar Basin)
- Develop Groundwater Management Strategies for the Santa Monica and Hollywood Basins
- Groundwater Replenishment Project with Advanced Water Purification Facility (AWPF) at DCTWRP (up to 30,000 AFY in San Fernando Basin)
- Terminal Island Expansion to 12 mgd
- Expansion of Non-Potable Reuse (NPR) per 2015 UWMP
- Hyperion WRP Demonstration Plant & Delivery to LAWA and Vicinity
- Hyperion WRP Delivery Expansion to 70 mgd for West Basin & LA Harbor



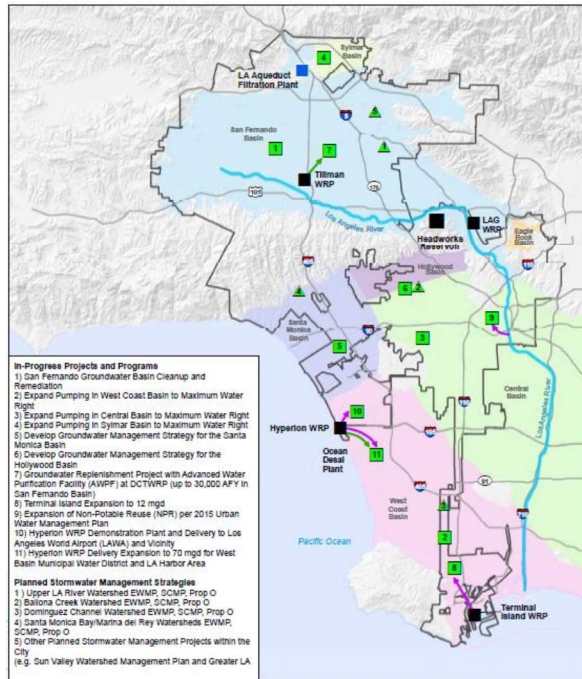
- All EWMP projects
- Prop. O. projects
- SCMP projects
- Other 5-year CIP projects.

- Water Conservation
- Groundwater
- Stormwater
- Recycled Water
- LA Aqueduct
- Purchased Imported Water from MWD

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Benchmark Portfolio

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One Water LA

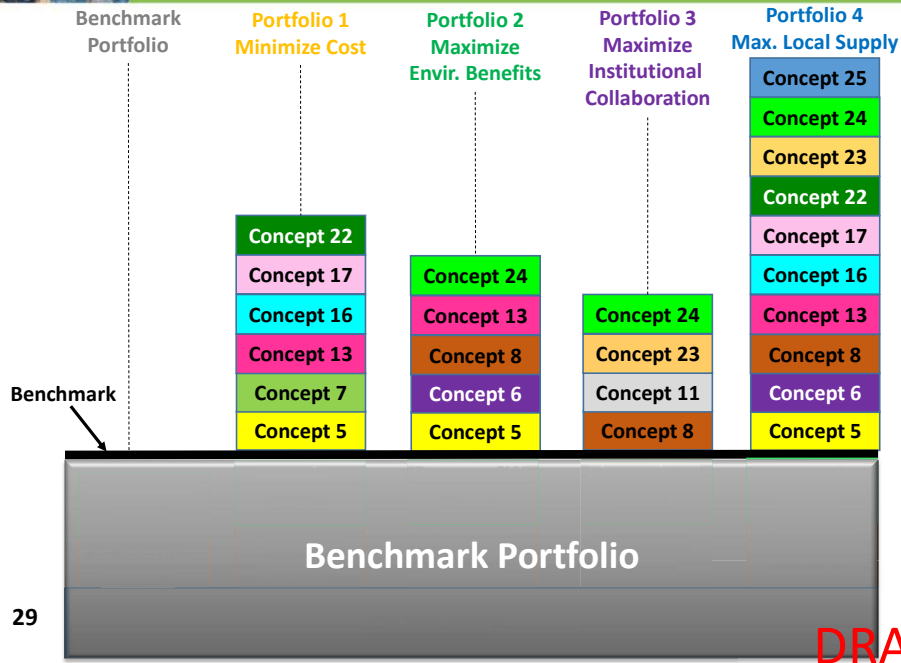
Themed Portfolios Summary

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All Water is One Water

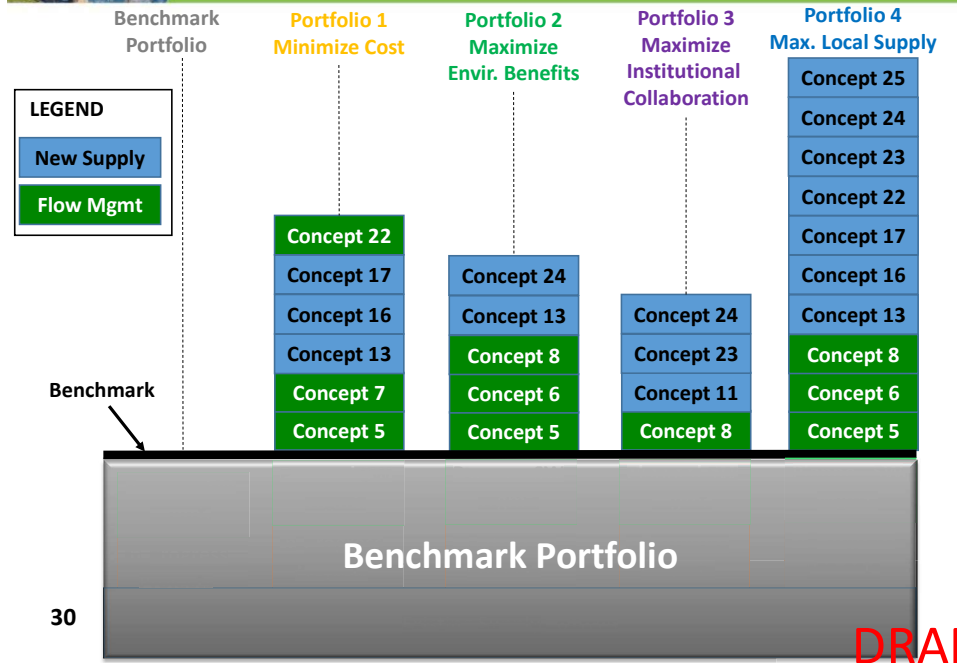
Themed Portfolio Comparison



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Themed Portfolio Comparison



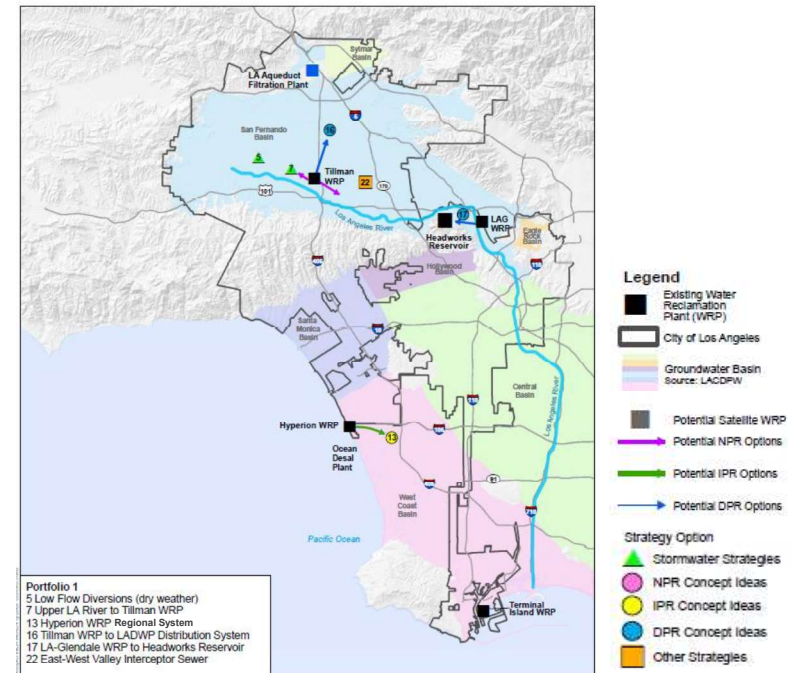
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DRAFT Themed Portfolio Comparison

Concepts	Portfolio 1 Minimize Cost	Portfolio 2 Maximize Environmental Benefit	Portfolio 3 Maximize Institutional Collaboration	Portfolio 4 Maximize Local Supply
5 - Low Flow Diversions (Dry Weather)	X	X		X
6 - Low Flow Diversions (Wet Weather)		X		X
7 - Upper LA River to Tillman WRP	X			
8 - LA River Recharge into LA Forebay		X	X	X
9 - IPR - Tillman WRP to San Fernando Valley Injection Wells				
10 - IPR - Hyperion WRP to West Coast Basin Injection Wells				
11 - IPR - Hyperion WRP to Central Basin Injection Wells			X	
13 - IPR - Hyperion to Regional System	X	X		X
14 - IPR - Hyperion WRP to San Fernando B. Injection Wells				
15 - DPR - Tillman WRP to LA Aqueduct Filtration Plant				
16 - DPR - Tillman WRP to LADWP Distribution System	X			X
17 - DPR - LA/Glendale WRP to Headworks Reservoir	X			X
18 - DPR - Hyperion WRP to LADWP Distribution System				
19 - DPR - Hyperion WRP to Open Reservoir and SWTP				
20 - DPR - Hyperion WRP to LA Aqueduct Filtration Plant				
21 - DPR - Central LA Satellite WRP to LAAFP				
22 - East West Valley Interceptor Sewer	X			X
23 - Increase Recycled Water Demand Beyond 2015 UWMP			X	X
24 - Rancho Park Satellite WRP		X	X	X
25 - Ocean Desalination				

Portfolio 1 Minimize Cost

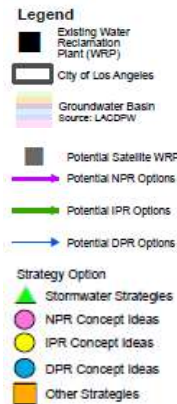
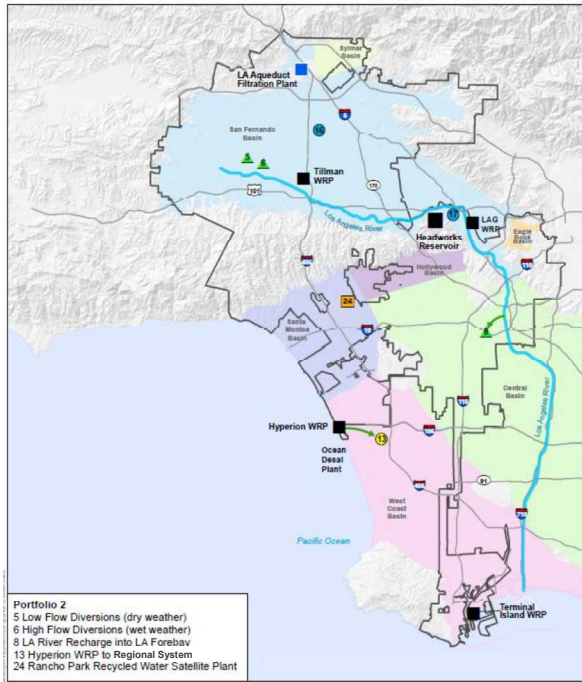


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Portfolio 2 Maximize Environmental Benefits

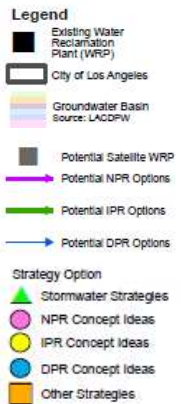
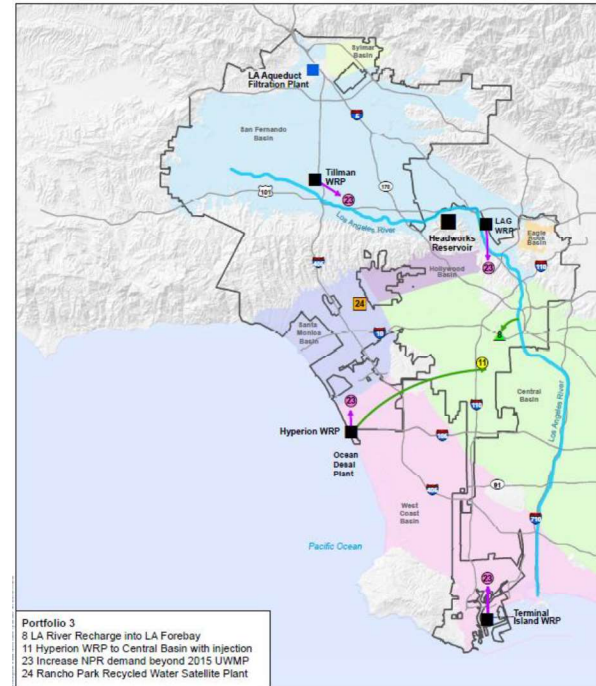
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Portfolio 3 Max. Institutional Collaboration

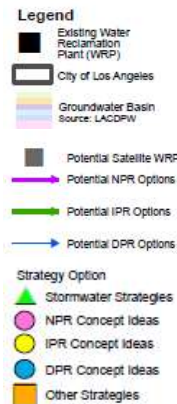
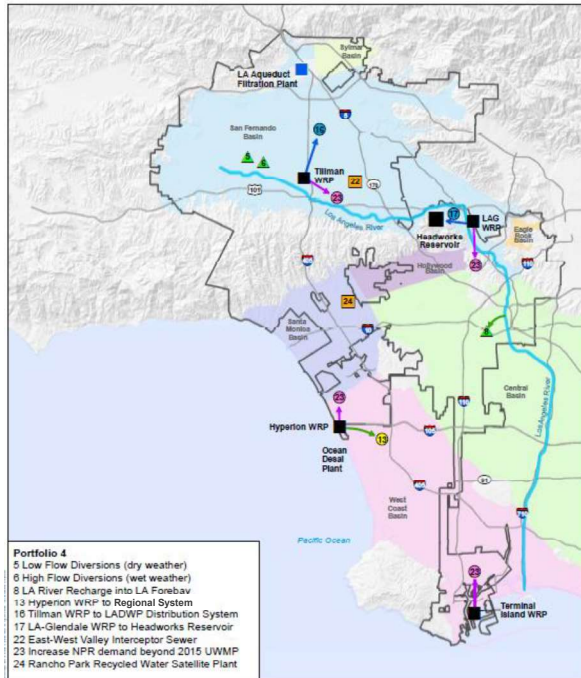
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Portfolio 4 Maximize Local Supply

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Hybrid Portfolio Development

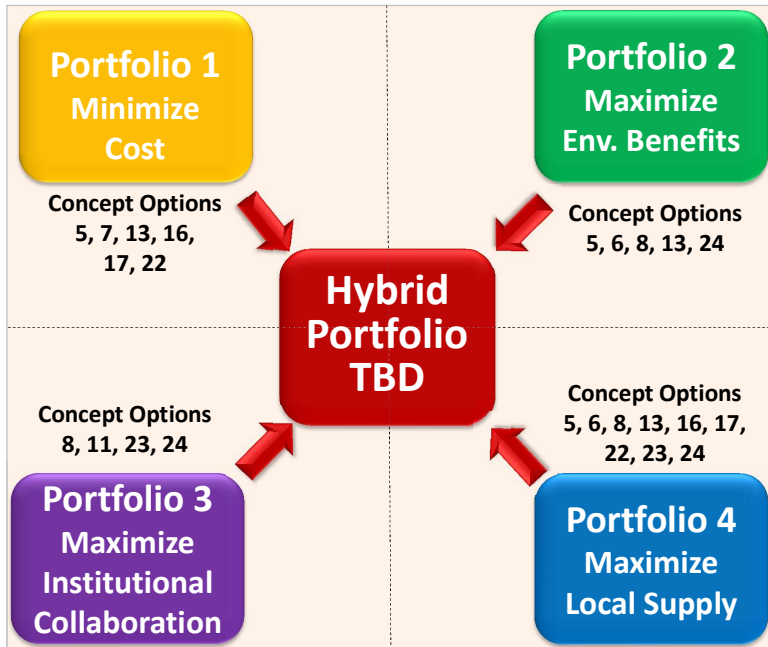
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Hybrid Portfolio Development is In-Progress

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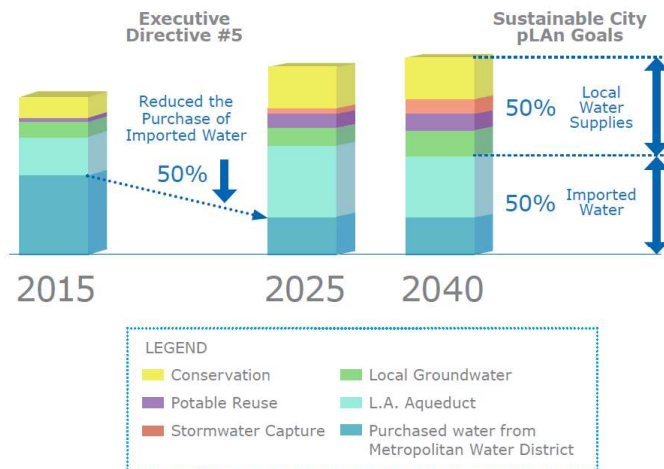
Implementation Strategy

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Implementation Strategy

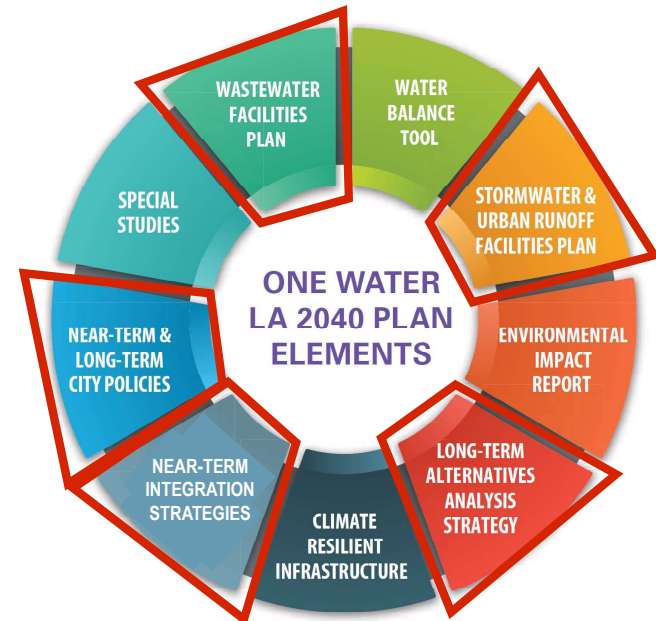
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The Implementation Strategy will serve as a roadmap to guide the City's decision-making to transform the One Water LA vision into reality



Implementation Strategy Elements

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Developing the Implementation Strategy

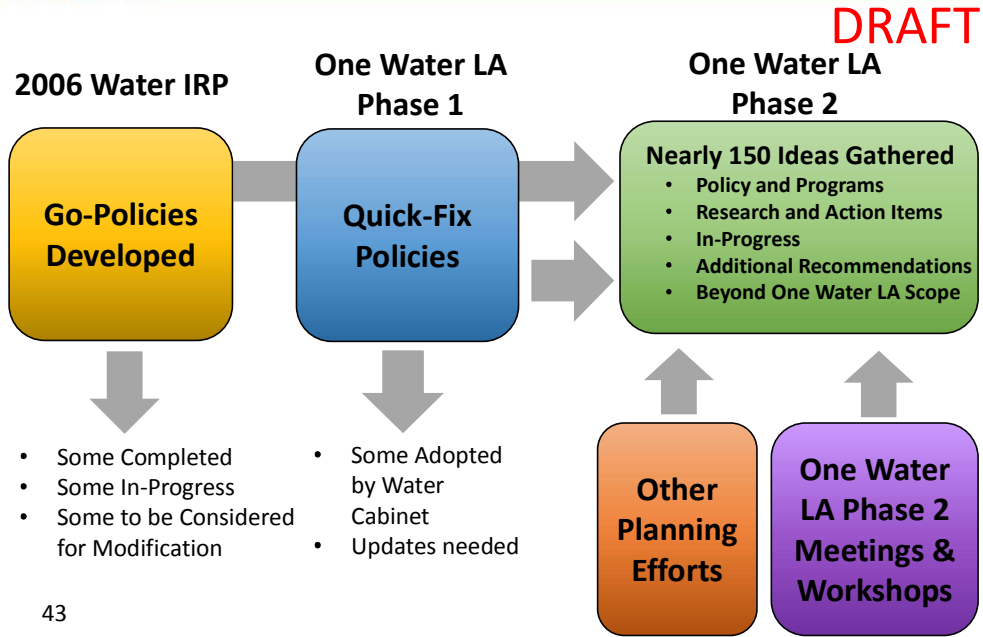
Elements for Recommendations Timeline



Trigger Discussion



Policy Development Process



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Policy Update: High-Level Screening

Used this matrix as a tool to review Policies:

1. Identify the level of impact a policy would have in achieving the One Water LA objectives (high or lower priority)
2. Gauge how easy or difficult it would be to implement (easy or more difficult)

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		EASE OF IMPLEMENTATION	
		More Difficult	Easy
LEVEL OF IMPACT	High Priority	High Priority, More Difficult Implementation	High Priority, Easy Implementation
	Lower Priority	Lower Priority, More Difficult Implementation	Lower Priority, Easy Implementation

Policy Update: High-Level Screening

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Used this matrix as a tool to review Policies:

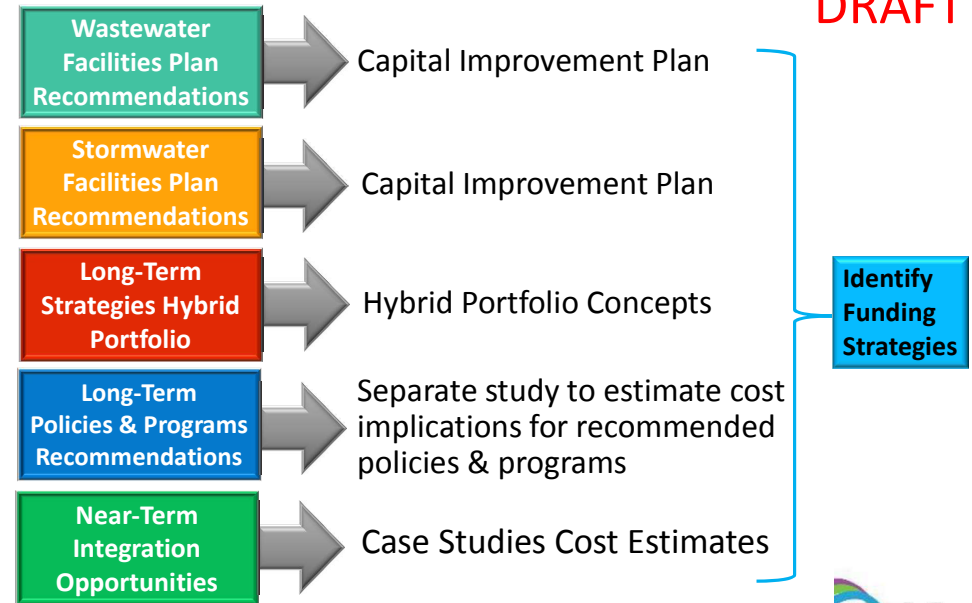
1. Identify the level of impact a policy would have in achieving the One Water LA objectives (high or lower priority)
2. Gauge how easy or difficult it would be to implement (easy or more difficult)

		EASE OF IMPLEMENTATION	
		More Difficult	Easy
LEVEL OF IMPACT	High Priority	<p><i>Aim:</i> Develop a plan to streamline implementation (e.g. funding strategy)</p>	<p><i>Aim:</i> Identify and recommend these Policies first "quick wins"</p>
	Lower Priority	<p><i>Lower Priority, More Difficult Implementation</i></p>	<p><i>Aim:</i> Develop a plan to maximize impact (e.g. combine)</p>

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Funding Components

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One Water LA

Next Steps

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Next Steps

- One Water LA 2040 Plan – Completion Timeline
- One Water Plan Testimonials
- Future Meeting Topics:
 - Event to launch One Water Plan
 - Programmatic EIR
 - Role of Advisory Group
 - Future Focus Meetings
 - Annual One Water Plan Updates

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Meeting Close

Additional Information:
www.onewaterla.org
onewaterla@lacity.org

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Advisory Group Meeting Purpose

Monday June 12th 1:30-2:30 pm

1. Review upcoming Stakeholder meeting agenda and PowerPoint
2. Provide input on meeting flow
3. Share how easy or hard content is to follow
4. Discuss purpose of breakout sessions



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One Water LA

Stakeholder Workshop

One Water LA Implementation Strategy

June 19, 2017

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Agenda

- | | |
|------------------------------------|--------------------|
| 1. Welcome & Introductions | 10:00 – 10:05 a.m. |
| 2. Recent Publications | 10:05 – 10:10 a.m. |
| 3. LA County Water Resilience Plan | 10:10 – 10:20 a.m. |
| 4. Orange County Water District | 10:20 – 10:30 a.m. |
| 5. Presentation and Q&A | 10:30 – 11:15 p.m. |
| 6. Rotation Exercise & Recap | 11:15 – 12:15 p.m. |
| 7. Next Steps | 12:15 – 12:25 p.m. |
| Group Photo | 12:25 – 12:40 p.m. |
| Lunch | 12:40 – 1:00 p.m. |

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One Water LA

Welcome & Introductions

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Recent Publications (5 minutes)

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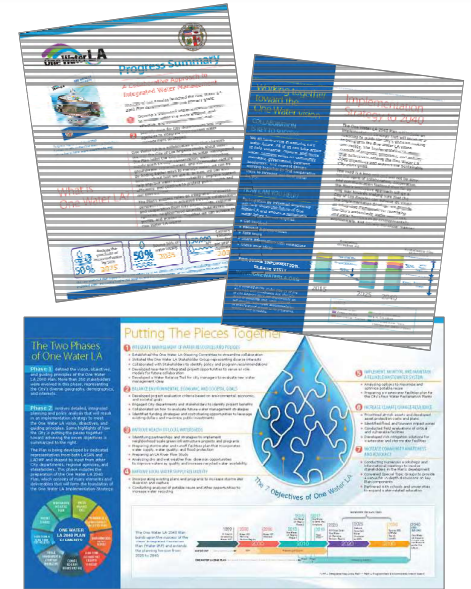
One Water LA Progress Summary

Purpose

- Communication tool for community outreach

Content

- High-level overview
- Purpose of One Water LA
- Overview of Progress to-date



6

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One Water LA Progress Report

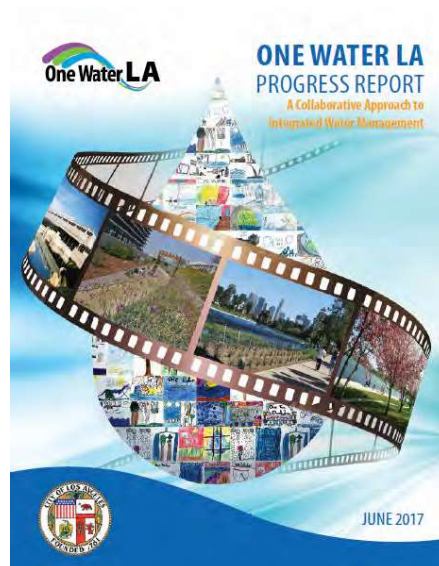
Purpose

- Report progress since 2015

Content

- High-level overview
- Purpose of One Water LA
- Highlight Progress to-date

Available for download at
www.onewaterla.org



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LA County Water Resilience Plan (10 minutes)

8

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Orange County Water District (10 minutes)

9

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Long-Term Concepts & Implementation Strategy (45 minutes)

10

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Meeting Goals

- 1 What are the One Water LA Vision and Objectives?
- 2 What are the elements of the One Water LA 2040 Plan?
- 3 What are the Long-Term Integration Strategies to achieve the Objectives?
- 4 How are we going to develop the Implementation Strategy?

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Meeting Goals

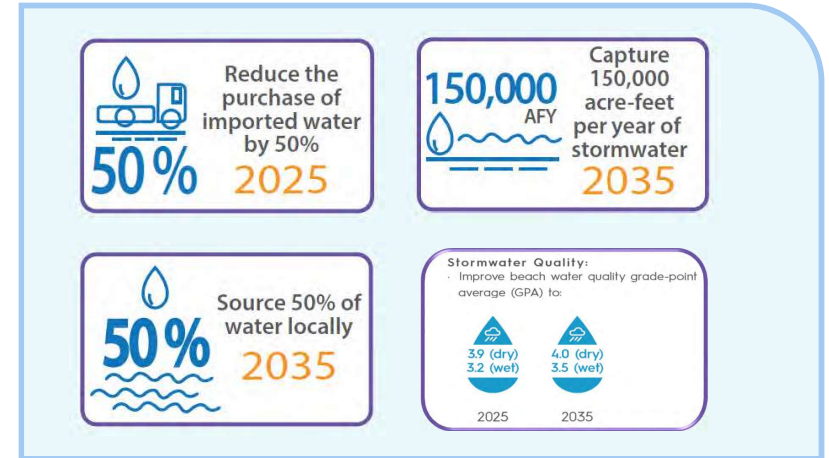
- 1 What are the One Water LA Vision and Objectives?
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- 4 How are we going to develop the Implementation Strategy?

One Water LA Vision

“
One Water LA Vision
 One Water LA is a collaborative approach to develop an integrated framework for managing the City’s water resources, watersheds, and water facilities in an environmentally, economically and socially beneficial manner.”

- Collaborative Approach
- Integrated framework
- Manage the cities resources
- Environmental, economic, and social benefits

One Water LA supports the Mayor’s Sustainable City pLAN Goals



Meeting Goals

- 1 What are the One Water LA Vision and Objectives?
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- 4 How are we going to develop the Implementation Strategy?

One Water LA 2040 Plan Elements



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Engagement Overview



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Meeting Goals

- 1 What are the One Water LA Vision and Objectives?
- 2 What are the elements of the One Water LA 2040 Plan?
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- 4 How are we going to develop the Implementation Strategy?

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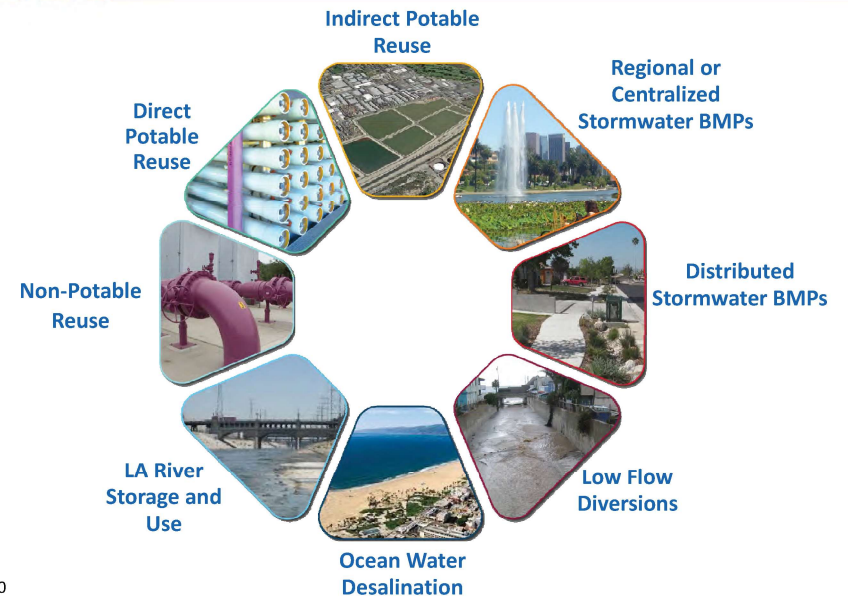
One Water LA 2040 Plan Elements



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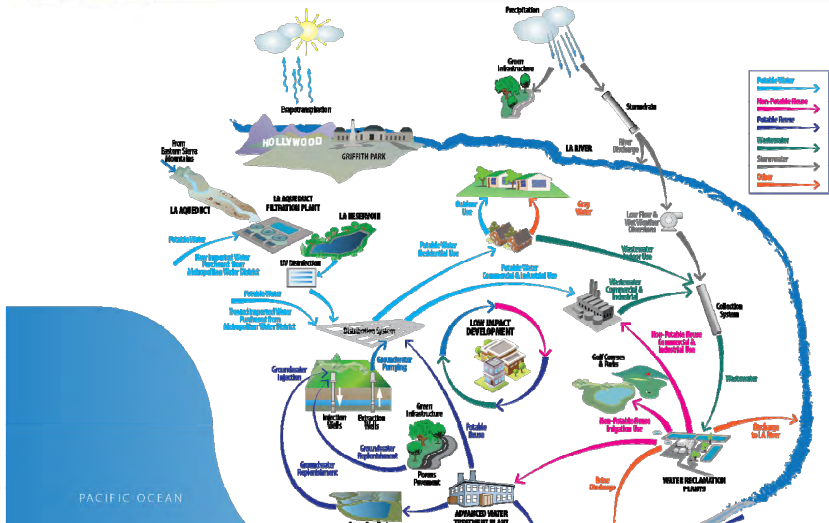
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Long-Term Integration Strategies



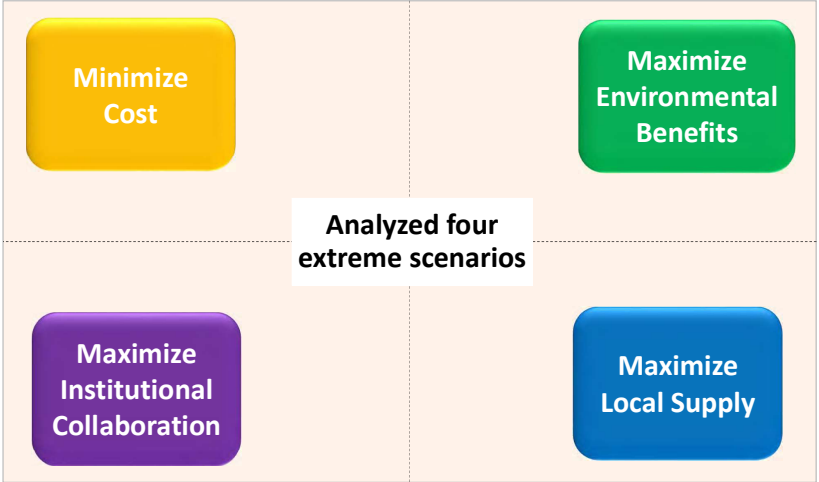
20

DRAFT A smarter version of LA's urban water cycle



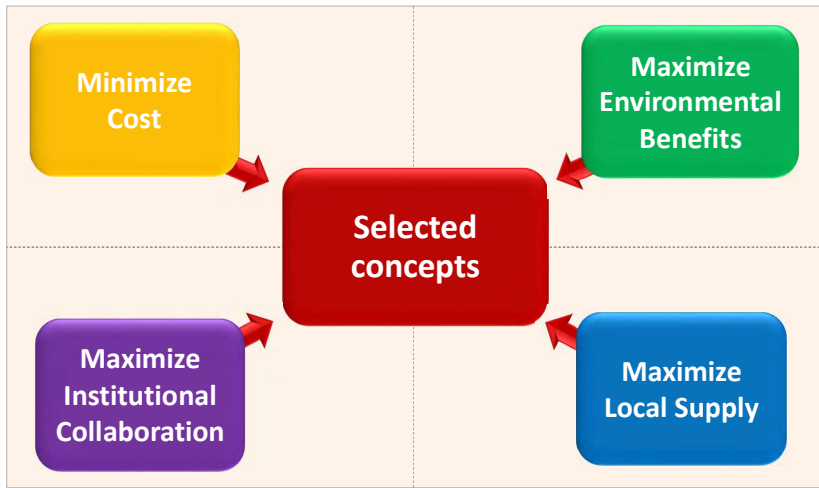
Asked "What could LA's urban water cycle look like in 2040?" and developed 25 future concepts

DRAFT City assessed the 25 future concepts



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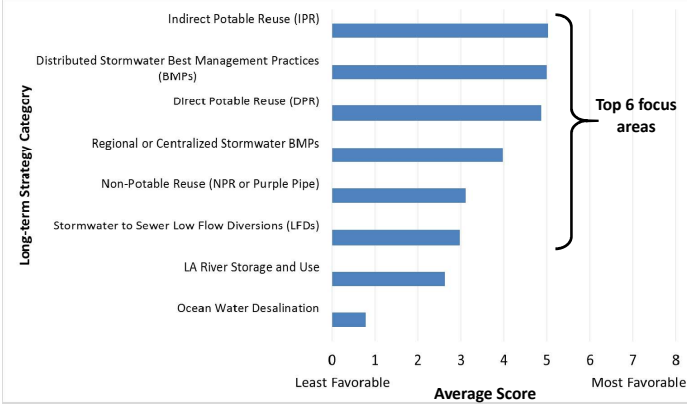
DRAFT City assessed the 25 future concepts



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DRAFT Stakeholder Survey Results

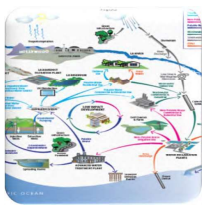
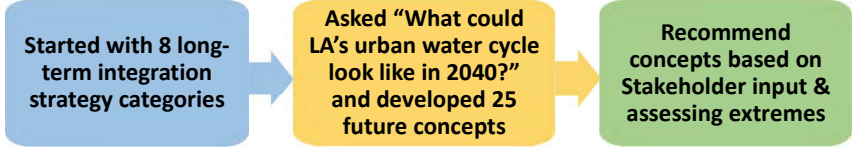
SurveyMonkey Surveyed over 50 stakeholders on the long-term integration strategies topic



Your priorities align with the City's priorities and we will continue to focus on the topics we've collectively identified as important

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DRAFT From Strategies to Recommended Concepts



Category	Concepts
Regional, Centralized & Distributed Stormwater BMPs	Stormwater Facilities Plan
Low Flow Diversions	Dry Weather Low Flow Diversions
Potable Reuse	LA River Recharge into the LA Forebay
Potable Reuse	Hyperion to Regional System
Potable Reuse	Donald C. Tillman Water Reclamation Plant to LA Aqueduct
Potable Reuse	LA-Glendale Water Reclamation Plant to Headworks Reservoir
Potable Reuse	Increase Non-Potable Reuse Demand beyond 2015

Are there any questions about the process?

DRAFT Recommended Long-Term Concepts

Category	Concept Name	Concept #
Regional, Centralized & Distributed Stormwater BMPs (Stormwater Management)	Stormwater Facilities Plan	1-4
Low Flow Diversions	Dry Weather Low Flow Diversions	5
Indirect Potable Reuse	LA River Recharge into the LA Forebay	8
	Hyperion Water Reclamation Plant to Regional System	13
Direct Potable Reuse	Donald C. Tillman Water Reclamation Plant to LA Aqueduct Filtration Plant	15
	LA-Glendale Water Reclamation Plant to Headworks Reservoir	17
Non-Potable Reuse	Increase Non-Potable Reuse Demand beyond 2015 UWMP	23

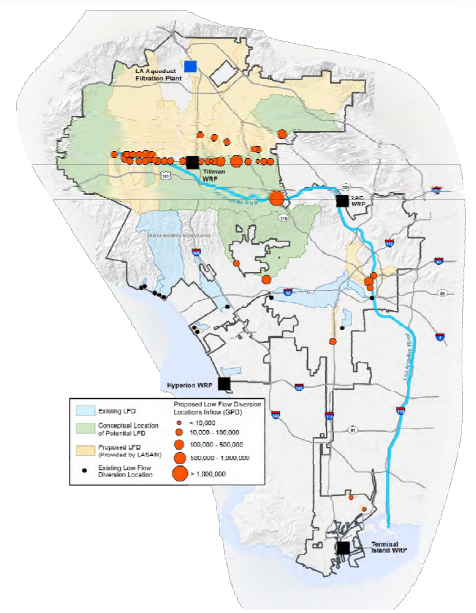
DRAFT Stormwater Management

- Stormwater Facilities Plan includes 2,000 projects from the 5-year CIP, EWMPs, SCMP, and Prop O
- Recommend implementing projects that achieve multiple benefits using the "three-legged stool" approach



DRAFT Dry Weather Low Flow Diversions

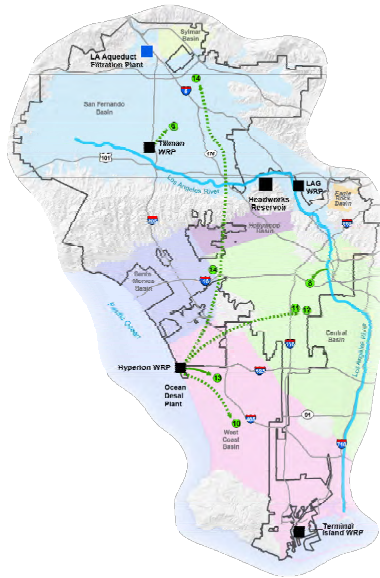
- Best opportunities exist in the San Fernando Valley
- Increase recycling from Donald C. Tillman and LA-Glendale Water Reclamation Plants



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Indirect Potable Reuse

- LA River Recharge into LA Forebay
- Hyperion to Regional System

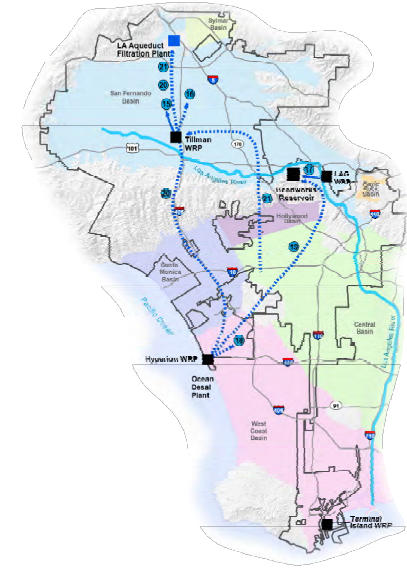


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Direct Potable Reuse

- Donald C. Tillman Water Reclamation Plant to LA Aqueduct Filtration Plant
- LA-Glendale Water Reclamation Plant to Headworks Reservoir

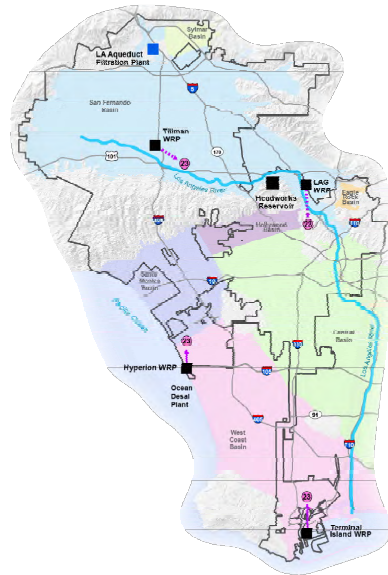


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Non-Potable Reuse

- Increase Non-Potable Reuse Demand beyond 2015 UWMP, focusing on:
 - Terminal Island Water Reclamation Plant
 - Hyperion Water Reclamation Plant



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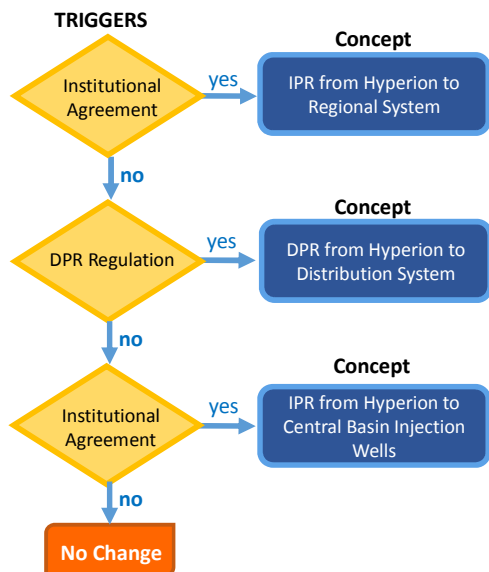
Triggers applicable to Concepts

Category	Concept Name	#	Applicable Triggers
Stormwater Management	Stormwater Facilities Plan	1-4	TMDL regulations have already triggered stormwater projects
Low Flow Diversions	Dry Weather Low Flow Diversions	5	No major triggers
Indirect Potable Reuse	LA River Recharge into the LA Forebay	8	City decision to submit a 1211 permit in order to use LA River flows to recharge the LA Forebay
	Hyperion Water Reclamation Plant to Regional System	13	City and Regional partners agree to a water exchange agreement to transfer water from Hyperion Water Reclamation Plant to a regional system
Direct Potable Reuse	Donald C. Tillman Water Reclamation Plant to LA Aqueduct Filtration Plant	15	Direct Potable Reuse regulations are approved
	LA-Glendale Water Reclamation Plant to Headworks Reservoir	17	Direct Potable Reuse regulations are approved
Non-Potable Reuse	Increase Non-Potable Reuse Demand beyond 2015 UWMP	23	No major triggers

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DRAFT Hyperion Water Reclamation Plant Triggers

- Some concepts are dependent on certain triggers occurring
- Dynamic strategy allows projects to be implemented only if and when needed



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DRAFT Planning level estimated cost

Category	Concept Name	Concept #	Yield (AFY)	Capacity (mgd)	Capital Cost Range (\$M)	Unit Cost Range (\$/AF)
Stormwater Management	Distributed and Centralized Stormwater Projects (per Stormwater Facilities Plan)	1-4	TBD	150	\$5.0-\$6.6 billion*	n/a**
Low Flow Diversions	Dry Weather Low Flow Diversions	5	n/a	5.5	\$100-\$130	\$900-\$1,200
Indirect Potable Reuse	LA River Recharge into LA Forebay	8	25,000	22	\$900-\$1,200	\$1,900-\$2,500
	IPR - Hyperion to Regional System	13	95,000	85	\$1,400-\$1,800	\$600-\$800
Direct Potable Reuse	DPR - Tillman WRP to LA Aqueduct Filtration Plant***	15	15,000	14	\$365-\$465	\$1,660-\$2,150
	DPR - LA/Glendale WRP to Headworks Reservoir	17	6,000	5	\$130-\$170	\$1,400-\$1,800
Non-Potable Reuse	Increase Recycled Water Demand beyond 2015 UWMP	23	16,400	15	\$600-\$800	\$1,900-\$2,500

* Stormwater management cost are obtained from the DRAFT Stormwater Facilities Plan with a range of -10% to +20%.
 ** Stormwater management includes both water quality and water supply benefits. Cost shall not be expressed in \$/AF to avoid invalid comparison.
 *** Requires a flow management concept. East-West Valley Interceptor Sewer Concept included (Concept #22, 16 mgd, \$85M, \$260-\$350/AF)

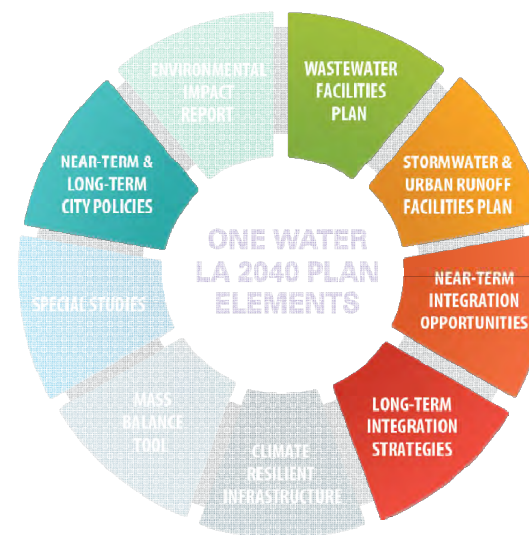
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DRAFT Meeting Goals

- 1 What are the One Water LA Vision and Objectives?
- 2 What are the elements of the One Water LA 2040 Plan?
- 3 What are the Long-Term Integration Strategies to achieve the Objectives?
- 4 How are we going to develop the Implementation Strategy?

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DRAFT 5 Elements of the Implementation Strategy



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RECOMMENDATIONS FROM:

- (1) Wastewater Facilities Plan
- (2) Stormwater & Urban Runoff Facilities Plan
- (3) Near-Term Integration Opportunities
- (4) Long-Term Integration Strategies
- (5) Long-Term Policies & Programs

One Water Plan Recommendations

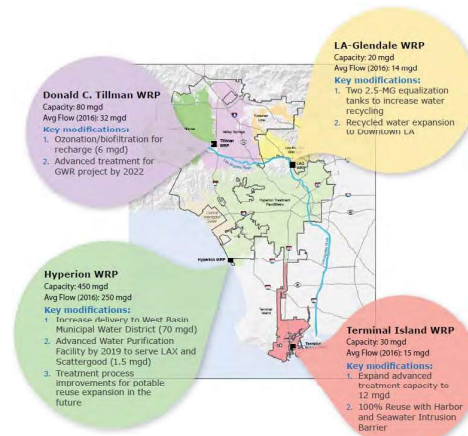
- Projects
- Programs
- Policies

IMPLEMENTATION STRATEGY THROUGH 2040



- Projects Timeline
- Trigger-based Scenarios
- Funding Strategies

- Strategies for treatment options to meet future water demands.
- Climate resilient infrastructure recommendations to minimize risk and mitigate impacts.
- Phased Capital Improvement Plan including future system considerations



Supports One Water LA Objective 5 – Implement, monitor and maintain a reliable wastewater system and Objective 6 – Increase climate resilience

University Park Neighborhood Rain Garden Pilot Study



- 35 rain gardens (e.g., parkway bioswales) designed and built to capture residential and commercial roadway runoff
- Landscaping features three drought-tolerant plant palettes
- Community engaged and involved during design and construction



Supports One Water LA Objective 3 - Improve health of local watersheds

Capture of stormwater at LAUSD schools

- Assess the feasibility of a pilot project for a LAUSD site to capture off-site stormwater.
- Potential school sites are grouped by watershed
- Focus on areas where regional stormwater facilities could optimize infiltration and on-site use meeting multiple objectives and benefits



Supports One Water LA Objective 2 – Balance environmental, economic and societal goals and Objective 7 – Increase community awareness and advocacy for sustainable water

DRAFT (4) Long-Term Integration Strategies

Recommended Concepts

Category	Concept Name	Concept #
Regional, Centralized & Distributed Stormwater BMPs (Stormwater Management)	Stormwater Facilities Plan	1-4
Low Flow Diversions	Dry Weather Low Flow Diversions	5
Indirect Potable Reuse	LA River Recharge into the LA Forebay	8
	Hyperion Water Reclamation Plant to Regional System	13
Direct Potable Reuse	Donald C. Tillman Water Reclamation Plant to LA Aqueduct Filtration Plant	15
	LA-Glendale Water Reclamation Plant to Headworks Reservoir	17
Non-Potable Reuse	Increase Non-Potable Reuse Demand beyond 2015 UJWMP	23



Supports One Water LA Objective 4 – Improve local water supply reliability

DRAFT (5) Long-Term Policies & Programs

Policy Topics

- Integrated Planning and Design
- Stormwater and Urban Runoff
- Training and Education
- Improve Collaboration and Streamline Implementation
- Funding and Partnerships
- Sustainability and Climate Change Resiliency
- Conservation
- Recycled Water
- LA River Revitalization

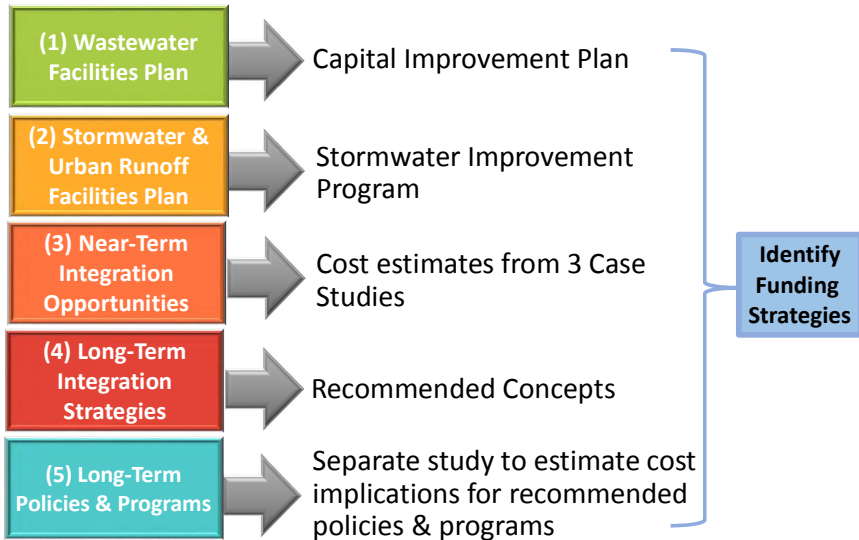
Example Policies

Simplify Process and remove barriers to installing parkway swales and other distributed green infrastructure BMPs in the public right-of-way.

Create a city-wide database to identify collaborative opportunities for water-related multi-benefit projects.

Supports One Water LA Objective 1 – Integrate management of water resources and policies

DRAFT What are the Cost Components?

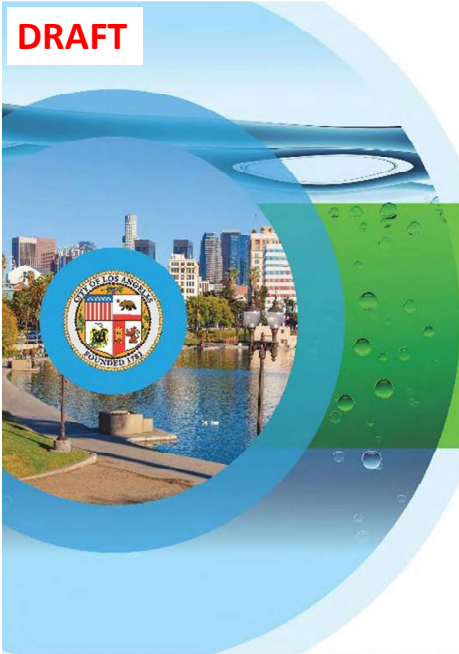


DRAFT One Water LA Collaboration



Meeting Goals

- 1 What are the One Water LA Vision and Objectives?
- 2 What are the elements of the One Water LA 2040 Plan?
- 3 What are the Long-Term Integration Strategies to achieve the Objectives?
- 4 How are we going to develop the Implementation Strategy?



Rotation Exercise & Recap (1 hour)

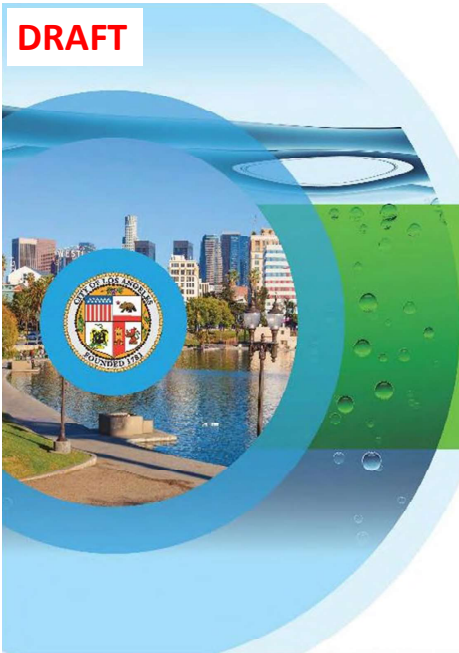


Rotation Exercise

Station Number	Topic
1	Water Reuse
2	Stormwater Management
3	Policies & Programs
4	Implementation Strategy

Logistics

- 12 minute rotation to each station (~50 minutes)
- 2 minute recap per Station (~10 minutes)



Next Steps (10 minutes)



One Water LA 2040 Plan – Completion Timeline

One Water LA Testimonials

Future Meeting Topics

- LA River Flow Study Informational Meeting
- Event to launch One Water LA 2040 Plan
- Programmatic EIR
- Future Focus Meetings
- Annual One Water LA Updates



Group Photo

Additional Information:
www.onewaterla.org
onewaterla@lacity.org

ADVISORY GROUP MEETING #12 (10/23/17)

The following pages present the meeting summary from the Advisory Group Meeting #12, held on October 23, 2017.

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**One Water LA
Advisory Group Meeting #12
Monday, October 23rd, 2017 2:00PM- 3:30PM
2714 Media Center Drive, Los Angeles 90065 (Board Room)**

Meeting Summary

The purpose of this summary is to provide an overview of the discussion topics, including ideas, solutions, and issues. It is not intended as a transcript or as minutes.

Meeting Attendees

Advisory Group Members

1.	Carolyn Casavan	Casavan Consulting
2.	Jack Humphreville	Greater Wilshire NC
3.	Kelly Sanders	USC
4.	Ken Murray	Wilderness Corps
5.	Melanie Winter	The River Project
6.	Mike O’Gara	Sun Valley Area NC
7.	David Nahai	David Nahai Companies
8.	Brad Cox	LA Business Council

One Water LA Team

1.	Hampik Dekermenjian (facilitator)	CDM Smith
2.	Lenise Marrero	LASAN
3.	Ali Poosti	LASAN
4.	Rebecca Drayse	LASAN
5.	Denise Chow	LASAN
6.	Flor Burrola	LASAN
7.	Stefanie Perez	LASAN-WPD
8.	Penny Falcon (via phone)	LADWP
9.	Serge Haddad	LADWP
10.	Bob Sun	LADWP
11.	Inge Wiersema	Carollo Engineers Inc.
12.	Jacquelin Reed	Carollo Engineers Inc.

Meeting Purpose

The One Water LA team met with the Advisory group members on October 23rd to discuss the Advisory group’s impression of the draft One Water LA Executive Summary (ES). Below is a summary of the topics discussed as well as additional responses to address questions asked in the meeting:

- Initial Feedback from Executive Management
- Advisory Group Comments
 - Overall Impression
 - Specific Comments



Introduction

On Monday October 9, 2017, the One Water LA Team sent the One Water LA Draft Executive Summary to the Advisory group. The purpose of the Executive Summary is to provide decision makers with a high level description of the One Water LA 2040 Plan and its key findings. For additional detail, the One Water LA Team also sent the full Summary Report (Volume 1 of the overall plan) to the Advisory Group. The purpose of the Summary Report is to provide Plan implementers with an overview of the key findings in each of the One Water LA 2040 Plan volumes. The Summary Report and Executive Summary necessarily contain more technical details than the Progress Report, that the Advisory Group previously reviewed which was intended for a general audience.

The team requested general impressions on the Executive Summary and whether or not the content is clearly conveyed. The Advisory members were thanked for their time and commitment throughout the development of the plan. The plan is near completion and the One Water LA staff is reviewing the same documents in parallel with the Advisory group. The plan is aimed to be flexible and adaptable to future conditions.

Initial Feedback from LASAN and LADWP Management

A one page summary was handed to the Advisory Group summarizing the organization of the entire One Water LA Plan (total of 9 Volumes).

On October 10, there was a strategic planning meeting where the entire draft One Water LA Plan was presented. The team walked through the Executive Summary with Management and some initial impression general comments are listed below. These comments had not yet been incorporated at the time the Advisory Group meeting was held:

- Add more photos/graphics
- Add captions and titles to the photos and graphics
- A few bar charts need to be revised (font sizes)
- Reorganize the stormwater goals (bring to the front)
- Emphasize that the projects listed on the table (page ES-21) include **estimated** cost, sizing, and yield. Clarify that the projects are high level planning estimates.
- Table ES-4 (page ES-45) may need to be rephrased from capital cost phasing to potential fiscal impacts, similar to the language in the Water IRP.

Advisory Group Feedback

Written comments were submitted by some Advisory Group members in advance of the meeting. Questions and comments regarding the Executive Summary are summarized below.

Questions:

- Has the CAO's office and the financial people reviewed it?
 - Response: They have been involved throughout the process. Also, many of these projects are in-progress, so they have already been vetted by



LASAN's and LADWP's financial team. The remaining projects are conceptual at this time and will need to be further developed to determine more information regarding the cost.

- The comment is valid and noted. They should be included as part of the review team at the appropriate time.
- Have costs been vetted?
 - Response: yes, costs are defined by \$/AF and project-specific
- Table ES-4 presents the cost for policies and programs as TBD. That indicates either a lack of understanding or commitment. The redundancy between the last two rows also needs to be explained.
 - Response: Comment is noted. The Policies and Programs are in development and feasibility assessments will be conducted as part of the implementation phases, therefore costs are considered "TBD". A note will be added to the table describing what "TBD" implies. Regarding the second point, to minimize redundancy "Stormwater Projects and Programs" will be simplified to "Stormwater Projects".
- Examples of the types of projects would be helpful to see where the line is drawn between centralized and distributed green.
 - Response: More information will be included in the Executive Summary. Note, there is a lengthy description and examples of the types of centralized green and distributed green infrastructure in Volume 3.
- What are we recommending specifically for Hyperion and Tillman? Do we need to necessitate advance treatment for Hyperion?
 - Response: Page ES-21 lists the 27 concept options. They are grouped in 8 different strategies each with an estimated yield. The most desired options are listed in Table ES-2. They are also listed in Figure ES.21 as Priority A along with their corresponding triggers. The priority options for Hyperion, and the other treatment plants, are in Figure ES.21.
- How much is going toward potable reuse?
 - Response: Recycled water offsets potable reuse and all treatment plants have conceptual potable reuse projects except TIWRP
- If all projects require advance treatment, then state it in the ES.
 - Response: Not all of the HWRP projects call for advanced treatment. The level of treatment will have to be further evaluated once a particular concept is pursued and is dependent on the end use. At a planning level, some of the options presented include MBR treatment, some include advanced treatment.
- I followed the Figure (Figure ES-21) for Tillman and hit a “No” for groundwater augmentation. The flowchart figure is also too long, very confusing, and needs to be reconsidered. The “Yes” and “No” give the impression that it is 100 %



exclusive, and that is not the case. Clarify the “Yes” and “No.” Suggest using qualifier: “depending on qualifying trigger.” LID representation also needs to be reconsidered.

- Response: The figure represents the major triggers that can impact decisions regarding project feasibility and implementation. In the future, many scenarios are possible. Based on the triggers identified and concepts analyzed, certain triggers impact different concepts in different ways. The triggers are questions. For example: if Direct Potable Reuse regulations are approved then Direct Potable Reuse projects could move forward so a "Yes" is appropriate. The opposite is also true and a "No" is appropriate. The figure will be updated for clarity and described in more detail in the text.
- Indicate how the unit cost for Table ES-2 was determined.
 - Response: Cost was developed by cost estimating standards used in the industry and the results have been vetted by city staff. Volume 5 of the Plan includes all of the Technical Memorandums that include the details of each unit cost (fact sheets- maps, schematics, assumptions, and sizing).
- A better understanding of the how the unit cost was developed is needed. The reader should not have to go to another 50 page document to find the information. There should be ratepayer’s advocate representation. We should not use leveraged numbers (do not base costs on market value). What are the priorities?
 - Response: The unit cost is based on a very typical calculation using amortized capital cost over the lifespan appropriate for the project components (e.g. treatment membranes 15 years, storage tanks 30 years, and wells 50 years). The amortized capital cost plus the annual O&M cost were used to calculate the total annual cost. The unit cost (\$/acre-ft) was then calculated by dividing the total annual cost (\$/yr) by the annual yield (afy). The unit cost calculations are documented in Volume 5 of the One Water LA 2040 Plan and an example for one of the concept options will be shared with the Advisory group. See attached.
- Life-cycle costs – nature-based material consideration has been lost. Nature-based solutions have lower carbon footprints and life-cycle costs. Land use and climate adaptation in the plan needs to be included.
 - Response: This is included in the EWMPs and SCMP, and it is collectively included in the ES.
 - Additional Response: Comment is noted. The City recognizes the importance of nature-based solutions and will add language to the ES that reflects this. Land use is also being addressed through collaboration with the Department of City Planning on the General Plan update and re:code



LA where the City is evaluating opportunities for increased open space and green infrastructure.

- Who is the audience? The concepts take too much energy to read. Too much information across too many pages. Reduce the narrative and include more bulleted points. Consider adding one or two lines of description for each concept option. You could consider adding more into the Appendix or consolidating charts so it is more concise.
 - Response: The purpose of the Executive Summary is to provide decision-makers with a high level description of the One Water Plan and its key findings. The preferred concepts will be summarized in the Executive Summary with flow schematics and perceived benefits.
- Is trunk line from Hyperion to DCT a preferred alternative? I believe that was indicated recently by Rich Harasick.
 - Response: Rich was stating his conceptual vision for the City to find a way to fully utilize effluent from Hyperion to meet the City's needs, without being constrained by any particular project concept. The project to build a trunk line from Hyperion to DCT is not the City's preferred alternative at this time

The following comments were given when each Advisory group member was asked to give their first impression of the Executive summary:

- Indicate why we are developing the plan and why we need to make the investment (ex. water shortage, future imported water will be more expensive). Add more context.
- Be clearer that we are recommending Direct Potable Reuse.
- Make sure the use of recycled water meets the highest and best use. Clarify in the ES or Volumes where the flows are for potable water. Indicate the amount of potable that will be offset from the One Water LA Plan.
- Indicate the stormwater quality goals and present how far this goes to achieving those goals (Make a graphic, chart, etc.).
- Beneficial use – make sure that more water demand is not created
- Hard to follow the concept options. Consider adding a description to each.
- Include a list of initials and acronyms up front.
- Upstream solutions need to be featured. For example, upstream stormwater quality is very important and how vehicles impact that.
- Include more information on source control measures. For example, how the increased use of electric vehicles will impact our stormwater quality goals.
- Where is the park bond mentioned? Integration needs to be highlighted in the ES.
- Parcel-based solutions need to be included.
- The Guiding Principles need to be incorporated/ more reflected into the plan.



- Please explain Concept 8A's (page ES-26) high capital cost. It is not a good example of a multi-benefit concept.
- The amount of information is phenomenal, but as a tax payer you are interested in the cost of implementation. All the material is there, it just needs to be put together.
- Include more on leveraging resources and how we plan to pay for it. Cost-benefit analysis is important to show.
- Cal Green Standards are not listed – important part of the integrated example.
- Include short term opportunities in the ES. Make clear: what is required today and what we are doing to meet the regulations.
- It is very important to include the cost if we do nothing. Similar to Figure ES-19, but do-nothing option.
 - Response: A qualitative comment will be added regarding the cost of doing nothing in the Executive Summary. The “Do Nothing” alternative will be presented and evaluated as part of the Programmatic EIR.
- Page ES-27 – Historical conservation should increase, not decrease. It is hard to understand what is going on with the new supplies. How is stormwater capture represented in the 18% in the new supplies?
- Why isn't groundwater use going up in the dry year?
 - Response: The numbers were derived from LADWP's Urban Water Management Plan which has the same pumping in normal and dry years because this amount is limited by Groundwater pumping rights. LADWP uses MWD water to provide peak supplies, not groundwater.
- Page ES-42 - Building of an obsolete structure that has no use the day after tomorrow. The bigger the structure, the bigger the chance you have to have stranded assets. Example: Desalination is antiquated infrastructure as soon as it's built.
- If we are defining green infrastructure, then the current example Green Streets programs and existing costs are pie-in-the sky.
- The state is now recommending more nature-based solutions and the vast majority of the plan is pipes and pumps. It doesn't reflect the Guiding Principles.
- Near-term integration opportunities don't seem like the best opportunities for integration. An example is the Bike Path project.
- The City is spending six million dollars on planning for the LA River (including the Bike Path project). The integration piece includes assuring that they include stormwater management as part of the design.
- Clarify that existing commitments are part of the One Water budget.

Next Steps

- The timeline for completing the One Water LA final draft Plan is February 2018



- One Water LA Stakeholder Meeting – TBD (**has since been moved to March 2018**)

Action Items

One Water LA Team to:

- Send a sample of the unit cost calculations to the Advisory Group. (Attached)

Attachments

- Advisory Group Meeting Handouts
 - Example of unit cost calculations (Project 8A)

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ADVISORY GROUP MEETING #13 (02/23/18)

The following pages present the agenda and meeting summary from the Advisory Group Meeting #13, held on February 23, 2018.



**One Water LA Plan Phase 2
Advisory Group Meeting #13
Agenda**

Friday, February 23, 2018
10:00 a.m. – 11:30 a.m.
2714 Media Center Drive, L.A. 90065
Board Room

Meeting Objectives:

- Final Draft One Water LA 2040 Plan Executive Summary overview
- Receive feedback on agenda and for March 5 Stakeholder Meeting and Celebration

Early Bird Testimonials

9:30-10:00 am

Agenda

1. Welcome and Introductions (10 mins) 10:00-10:10 am
2. Executive Summary (20 mins) 10:10-10:30 am
 - a. Purpose & Audience
 - b. Key changes since first draft (Oct 2017)
 - c. Communication Tool/Brochure
 - d. Open Discussion
3. Stakeholder Meeting and Celebration (30 mins) 10:30-11:15 am
 - a. Review Stakeholder Agenda
 - b. Overview of Draft Presentation
 - c. Open Discussion
4. Implementation Committees
5. Next Steps & Meeting Close (20 mins) 11:15-11:30 am
 - a. Complete Final Draft Plan
 - b. Stakeholder Meeting and Celebration Monday March 5th
 - c. Meeting Close

Post Meeting Testimonials

11:30-12:00 pm



**One Water LA
Advisory Group Meeting #13
Friday, February 23rd, 2018 10:00AM- 11:30AM
2714 Media Center Drive, Los Angeles 90065 (Board Room)**

Meeting Summary

The purpose of this summary is to provide an overview of the discussion topics, including ideas, solutions, and issues. It is not intended as a transcript or as minutes.

Meeting Attendees

Advisory Group Members

1.	Carolyn Casavan	Sherman Oaks Neighborhood Council
2.	Jack Humphreville	Greater Wilshire NC
3.	Ken Murray	Wilderness Corps
4.	Melanie Winter	The River Project
5.	Mike O’Gara	Sun Valley Area NC
6.	David Nahai	David Nahai Companies

One Water LA Team

1.	Hampik Dekermenjian (facilitator)	CDM Smith
2.	Lenise Marrero	LASAN
3.	Ali Poosti	LASAN
4.	Azya Jackson	LASAN
5.	Rebecca Drayse	LASAN
7.	Denise Chow	LASAN
8.	Flor Burrola	LASAN
9.	Stefanie Perez	LASAN-WPD
10.	Penny Falcon	LADWP
11.	Serge Haddad	LADWP
12.	Bob Sun	LADWP
13.	Anthony Tew	LADWP
14.	Inge Wiersema	Carollo Engineers Inc.
15.	Jacquelin Reed	Carollo Engineers Inc.

Meeting Purpose

The One Water LA team met with the Advisory Group members on February 23rd to discuss the final draft of the One Water LA Executive Summary (ES) and to receive feedback on the agenda and presentation for the upcoming March 5 Stakeholder Meeting and Celebration.

Introduction

The One Water LA team welcomed the Advisory Group Members and thanked them for their commitment and participation throughout the development of the plan. The One Water LA program will now be transitioning into an Implementation Phase.



On October 23, 2017, the One Water LA team held a meeting with the Advisory Group and requested general impressions on the Executive Summary and asked whether or not the content was clearly conveyed. The document was reviewed concurrently by City staff and LASAN and LADWP Executive Management and Advisory Group. The team presented the latest version of the Executive Summary that reflects input from all reviewers and discussed the key changes made since the last Advisory group meeting. The key topics and edits are summarized below.

- The team acknowledged that is a long executive summary, but it is needed to summarize a 4000 page plan.
- More photos and graphics were added.
- A graphical summary of the TMDL deadlines was developed.
- Headings were simplified.
- Definition of distributed stormwater projects was clarified and examples of distributed stormwater projects were added.
- Text was added regarding parcel based solutions.
- Concept option 13 was renamed from MBR at Hyperion WRP to Regional System.
- Rephrased “capital cost” to “potential fiscal impacts.”
- Trigger box graphics were clarified (page 43).
- Request to include a “do nothing” option is important but that will be addressed in the Programmatic EIR.

Advisory Group Feedback

Written comments were submitted by some Advisory Group members in advance of the meeting. Questions and comments regarding the Executive Summary are summarized below.

- Is this an operational cost or just capital cost (page 51)? Where are the unit costs?
 - **Response:** Capital cost. Unit costs were prepared for the recommended concepts in the hybrid portfolio, and are shown on page 35.
- Comments made on the graphics in page 9 and page 10 were not incorporated. The graphic on page 9 is not accurate and there were many comments submitted for the graphic on page 10.
 - **Response:** There were multiple comments from City Staff and Advisory group on the page 10 graphic. Many of the comments were incorporated. Specific comments can be discussed one-on-one after the meeting.
- Page 8 is the only section that talks about ongoing stakeholder engagement, which is a critical component of the entire plan. Glossing over it is a concern. LADWP does great outreach because they include the operating staff in the meeting to answer the questions.
 - **Response:** There was a more extensive section of stakeholder engagement in the previous version of the summary, and one of the comments was to condense it. The goal was to have a balance. Ongoing stakeholder engagement is also in the last page as part of next steps (page 57).
- The level of detail in the executive summary is appreciated. It is important to include because there will be multiple groups looking at the report.



- Where are the key recommended projects and policies in the ES?
 - **Response:** It is included in page 51.

Stakeholder Meeting and Presentation

The One Water LA Team provided a draft presentation of the March 5th stakeholder meeting. All Plan elements have been presented to the stakeholder group in different meetings. The next stakeholder meeting will be an opportunity to present the plan as a whole. The Advisory Group was asked to share what Plan elements are most meaningful and important to them and the groups they represent and should be emphasized in the presentation. The goal of the Stakeholder meeting will be to present what has been done, the next steps for implementation, and preparation of the Programmatic EIR. The One Water LA team reviewed the Stakeholder Meeting draft agenda and handed out the draft presentation.

- Highlight Water Cabinet approval and Sustainable City pLAN goals. Will you have already have input from the Water Cabinet before the stakeholder meeting?
 - **Response:** Yes. The Water Cabinet is a group of highly qualified individuals selected by the Mayor. A presentation of the preferred options will be given the Water Cabinet to show how it fits in to the mayor's goals.
- Will this have the City's stamp of approval? Recommend having the Mayor's office present.
 - **Response:** We have presented to the Water Cabinet various times throughout the process. It has to be well vetted and supported.
 - Liz Crosson from the Mayor's office will attend the next stakeholder meeting.
- Recommend presenting the cost benefit analysis that was done on the recommended projects.
- Continued Stakeholder Engagement Slide – When you are first presenting the three implementation groups, visually present it in the three groups so that people visually align and understand what is under each category when they sign up.
- Really important to emphasize the ongoing nature of stakeholder participation in the One Water LA 2040 Plan. Make sure it is clear that this isn't the last opportunity to provide input.
 - **Response:** The City's intent is to continue stakeholder participation as we transition into the Implementation Phase. From the very beginning it was planned to have more focused discussion, not just on the key recommendations, but also other ongoing One Water LA efforts. Today we will discuss one part of the ongoing program, which is the Implementation Committees.
- There is a concern about the level of commitment to the policies and that we need a feasibility analysis on the policies and programs, but not the preferred projects.
 - **Response:** We will have a feasibility analysis on the recommended programs, policies and the preferred projects.
- It important to explain the situation the City is in and why the Mayor established the water supply and water quality goals. The City is in a comfortable position for now, unlike Cape Town where nobody expects water to come. We need to invest



to secure our water in the City. The foundational premise and necessity of the plan needs to be stated. We need to advocate for the Stormwater Fee, support the 8.9 Billion Dollar water bond and it might also mean that we need to dig into our pockets in an equitable way.

- Page 6 – It is very impressive that all of these departments have come together. We have created a framework and situation where we have a contact for these agencies. For example, if someone brings up an issue with LAX, you know who to speak to at LAX who is sensitive to these issues. Through these different stakeholder groups we have emails, and phone numbers and we can interact between ourselves on different issues. This is a powerful tool that has been created and it is important to recognize that it will be ongoing. The One Water LA process does not end when the planning process ends, it will continue. The City now thinks about water differently. Different than it was 10 years ago and it is because of the City’s efforts, and the managers in this room, and others.
- Read the Fuse report on the Bureau of Street Services. The report is regarding the current issues of the organizational structure. There are some organizational issues that need to be addressed for water.
- Nobody talks about the annual cost of this. What are the costs? We need to start talking about that. Where does the funding come from?
- Benefit-based funding needs to be looked at. There is a concern that LADWP will be fleeced and the payers will be impacted.
- No sign off from the industry. What does the chamber of commerce say? If they move, where do our jobs go?
 - **Response:** We have presented to numerous industry groups and invited them to participate. The BIA, LABC and other industry groups attend the stakeholder meetings.
- Emphasize that “One Water” is a concept and philosophical approach that will not end.
- Presentation – Need to emphasize water security and ocean protection (receiving water quality protection). Tie it in to what the stakeholders see, such as the plastic in the ocean. There is the stormwater quality side that needs to be emphasized, not just the wastewater and water supply side.
- Emphasize the need for the investment. Where the money is coming from also needs to be presented.
 - **Response:** This is a snapshot in time. The recommendations were developed based on the current information we have available. The plan is intended to be flexible and this is why continued participation is needed. The final recommendations are not the end all be all.
 - We are not recommending all projects (\$13.3 Billion). There are triggers for certain projects, which will be continually evaluated. Only one-third of the recommendations are new project ideas from the One Water LA Plan. The remaining projects have already been identified in other efforts such as the EWMPs.
 - Potential Fiscal Impact is \$13.3 Billion.

Implementation Committees



The One Water LA Team provided a list of the potential committees. The group was asked to take a minute to read the list of committees. The list of potential topics is based on the themes and topics heard throughout the planning process.

The stakeholders will be given an opportunity to provide their areas of interest during the stakeholder meeting. The advisory group provided the following recommendations in regards to the list of potential implementation committees.

- How do you separate plan implementation and funding? Those two need to go hand in hand. Recommend a high level overview of the implementation committees during the stakeholder meeting. Not sure if there will be enough time to go into detail.
- A discussion regarding the groups invited to these committees should also be included as part of the meeting. Labor, investors, and business groups need to be invited.
- People need to have an overview of the groups, instead of keeping it in silos. The big picture needs to be communicated.
- Outreach and Engagement Committee needs to be added.
- Consider adding the LA Regional Board as part of the Steering Committee.
- There has been no self-reflective analysis of the interagency relationships. Not just with LASAN and LADWP, but all other departments. What are the real barriers to collaboration? There are structural issues that need to be recognized.
 - **Response:** Conversations have occurred with the Steering Committee and the ideas for the policies and programs came from the feedback of the Steering Committee.
 - Governance was not the part of the scope of One Water LA Plan, but that does not mean those conversations are not occurring in the Mayor's Water Cabinet Meetings, and other meetings.

Next Steps and Meeting Close

All of the volumes in the Plan are in the process of being finalized. The next step is to have a launch and press event of the final draft. We hope that you will be part of the event.

The final draft plan will be posted on the website when it is ready. We anticipate that the PEIR will take about a year and a half or two years to complete due to the extensive nature of the recommendations. In the meantime, we will start working on the elements that are not dependent on the completion of the PEIR, such as the programs and policies.

Action Items

One Water LA Team to:

- Send the response to written comments that were submitted and that were not included in the meeting summary of the last Advisory Group Meeting.
- Invite the Advisory Group to participate in the implementation committees

Attachments

- Advisory Group Meeting Handouts
 - March 5th Stakeholder Draft Presentation (outline) and agenda

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STAKEHOLDER WORKSHOPS

Stakeholder workshop participants exchanged information, and shared values and perspectives at each professionally facilitated meeting. More than 200 organizations and individuals, including neighborhood councils, non-governmental organizations, business associations, homeowner associations, academia, public agencies, and other interest groups were included in the workshops. Table 4.1 is a list of Stakeholder Workshops by date, and includes the purpose of the meeting and topics discussed. For the list of Phase 1 Stakeholder Workshops, please see the progress report: Volume 9, Chapter 10.

Table 1 Stakeholder Workshops Stakeholder Engagement Materials One Water LA 2040 Plan		
Title	Date	Purpose and Discussion Topic(s)
Stakeholder Workshop (Phase 2) #1	12/10/15	One Water LA Phase 2 overview, Phase 2 Stakeholder Involvement Process, Existing and Future Conditions Reports
Stakeholder Workshop (Phase 2) #2	6/29/16	RWAG Integration into One Water LA, GWR Environmental Impact Report, One Water LA Phase 2 Update, Special Topic Group Report Out and Discussion
Stakeholder Workshop (Phase 2) #3	9/13/16	Input on potential project approaches and evaluation criteria, updates on outcomes from Special Topic Groups, Climate Change analysis approach with interactive quiz, preview of future workshop topics
Stakeholder Workshop (Phase 2) #4	10/26/16	Alternatives Evaluation Process, Present the Potential Projects, Evaluation Criteria, Input on Project Portfolio Themes, Preview of future workshop topics
Projects Idea Workshop (Phase 2) #1	11/18/16	Present List of Current Project/Program Ideas, Review Project/Program Description Example, Brainstorm of New Ideas
Stakeholder Workshop (Phase 2) #5	12/13/16	Overview of Policy Ideas Development Process, Familiarization with current Policy Ideas List, Review and Discuss Policy Ideas
Informational One Water LA Stakeholder Meeting #1	2/16/17	Provide a better understanding of the overall plan and offer long-time participants a chance to be updated on progress for all of the tasks and to ask questions.
Informational One Water LA Stakeholder Meeting #2	5/11/17	Wastewater Facilities Plan Presentation and Dialogue, Stormwater Facilities Plan Presentation and Dialogue

Table 3 Stakeholder Workshops Stakeholder Engagement Materials One Water LA 2040 Plan		
Title	Date	Purpose and Discussion Topic(s)
Stakeholder Workshop (Phase 2) #6	6/19/17	One Water LA implementation strategy and triggers
Informational One Water LA Stakeholder Meeting #3	10/16/17	LA River presentation
Stakeholder Meeting/ Celebration (Phase 2)	03/05/18	Final Draft Plan presentation and celebration

Stakeholder Acknowledgement Table

We would like to acknowledge and sincerely thank the following individuals and their organizations for contributing to the Plan’s development through their participation in One Water LA Workshops and Meetings.

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Agbodo	Mike	Black & Veatch
Aggas	Gary	Sun Valley Area Neighborhood Council
Akers	Sherri	Mar Vista Community Council
Alduenda	Eileen	Council for Watershed Health
Allen	Laura	Greywater Action
Allen	Ryan	LADT
Allevato	Eugene	Pacoima Neighborhood Council
Amah	Ginachi	Los Angeles Regional Water Quality Control Board
Antos	Mike	California State University Northridge
Arnold	Peter	Arid lands Institute
Badnar	James	Metropolitan Water District
Bailey	Glenn	Los Angeles Neighborhood Council Coalition
Baldauf	Brian	Mountains Recreation and Conservation Authority
Ballat	Sue Ann	Gang Alternatives Project
Barton	Stephanie	SLRC
Bassinger	Jon	Individual
Begley	Amanda	TreePeople
Benjamin	Pete	Individual
Bentzin	Bonny	UCLA
Berger	Daniel	TreePeople
Bobby	Ava	Brown and Caldwell
Bodnar	James	Metropolitan Water District

STAKEHOLDER WORKSHOPS

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Bram	Danielle	Individual
Braun	Dan	LAANE
Brownson	Omar	LA River Revitalization Corporation
Brownstein	Susan	California Department of Public Health
Cadwallader	Craig	Surfrider foundation - South Bay Chapter
Camacho	Maria	LA River Revitalization Corporation
Campos	Diana	Los Angeles Community Garden Council
Casavan	Carolyn	Sherman Oaks Neighborhood Council
Chung	Rocand	AdvTech Enviornmental Inc.
Cisic	Saud	WSP
Cleghorn	Cindy	Sunland-Tujunga Neighborhood Council
Cole	Kit	Kit Cole Consulting
Collins	Craig	Silver Lake Reservoirs Conservancy
Comras	Kelly	Pacific Palisades Neighborhood Council
Corra	Francesca	Studio City Beautification Association
Cox	Brad	Los Angeles Business Council Institute
Crespo	Cristina	Individual
Dake	Glen	LA Community Garden Council
Dameive	Raissa	The Art of Living
de Guzman	Edith	TreePeople
Deitlin	Theresa	Individual
Dexheimer	Heidi	Individual
Dietlin	Therese	Individual
Dillard	Joyce	Individual
Dine	Ken	Individual
Dornfest	Michelle	East Solution, Inc.
Dorsey	Delbara	Everfield Consulting LLC
Dorsey	John	Loyola Marymount University / Dept. Civil Engineering & Env. Science
Doxsee	Ruth	Lake Balboa Neighborhood Council
Dugo	Joseph	O Green Solutions
Dwiggins	Don	Northridge East Neighborhood Council and NC Sustainability Alliance
Dyer	Jan	Mia Lehrer + Associates
Eddy	Charles	FoLAR (board member)
Edelman	Barry	Tarzana Neighborhood Council
Edelman	Jill	ZGF Architectes LLP
Enos	Debbie	Watershed Conservation Authority

STAKEHOLDER WORKSHOPS

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Epstein	Arnold	City of Beverly Hills - Water Technical Committee
Escalante	Linda	Natural Resources Defense Council
Evelyn	Charming	Sierra Club
Everts	Conner	Southern California Watershed Alliance - Desal Response Group
Fellows	Kevin	Parsons Brinckerhoff
Fernandez	Charlyn	Individual
Fesdwan	Rebecca	Water Foundation
Fink	David	Climate Resolve
Flores	Armando	Valley Industry & Commerce Association (VICA)
Foley	Walker	Food and Water Watch
Frere	Christian	Apartment Association of Greater Los Angeles
Frey	Christine	Metropolitan Water District
Gabbay	Rina	Photo Voltaics
Gaerlan	Natalia	The Trust for Public Land
Ganguly	Shona	The Nature Conservancy
Gauthier	Don	LA Community College District Academic Senate
George	Debra	Encino Neighborhood Council
Glickfeld	Madelyn	UCLA
Go	Alyssa	Edison Water Resources
Gold, D.Env.	Mark	UCLA, Institute of the Environment
Golding	Arthur	Arthur Golding & Associates
Granath	Clint	Forest Lawn Memorial Park
Greene	Joyce	Tarzana Neighborhood Council
Grey	Mark	Building Industry Association of Southern California
Griesbach	Amanda	Heal the Bay
Guevara	Ramon	LA County Emergency Preparedness of Response, Policy & Planning Unit
Guzman	Jamie	CAHSR
Hacobian	Aram	Individual
Hakkakzadeh	Nora	Coalition for our Water Future, EOS
Hall	Lora	Silverlake Reservoirs Conservancy
Hall	Mark	Greater Los Angeles County Vector Control District
Hardy	Kevin	National Water Research Institute
Hart	Carol N.	North Hills West Neighborhood Council
Hawley	Elizabeth	Valley Industry and Commerce Association (VICA)
Henry	Gwendolyn	Northwest San Pedro Neighborhood Council
Hernandez	Aram	Perkins+Will
Hernandez	Evelyn	Central American Resource Center

STAKEHOLDER WORKSHOPS

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Herzog	Paul	Surfrider Foundation
Hibbs	Barry	Cal State LA - Department of Geological Sciences
Hingorani	Anisha	Los Angeles Food Policy Council
Hitti	Edward	City of La Cañada
Hoag	Grant	Office of Public Accountability - Ratepayer Advocate
Hopkins	Bill	Granada Hills North Neighborhood Council
Hui	Andy	Metropolitan Water District of Southern California
Huinker	Kari	Greater Echo Park Elysian Neighborhood Council
Humphreville	Jack	Greater Wilshire Neighborhood Council
Hunnewell	Tamsyn	Sustainable Works
Issagholian- Havai	Narbeh	Cordoba Corp.
Jacobs	Margot	Mia Lehrer + Associates (MLA)
James	Kirsten	Heal the Bay
Jain	Aayushi	Los Angeles Cleantech Incubator
Jean	Grant	The River Project
Jimenez	Dasler	Individual
Johnson	Steve	Heal the Bay
Jones	Patricia	Southwest Neighborhood Council
Jordan	Brian	Tetra Tech
Julier	Insley	Surfrider Foundation
Kampalath	Rita	County of Los Angeles, Chief Sustainability Office
Katz	Jonathan	Cinnabar
Katz	Nurit	UCLA
Keitel	Dave	Silver Lake Neighborhood Council
Kessler	Craig	Southern California Golf Association
Kim	Peter J.	Sierra Club, Water Committee
King	Matthew	Heal the Bay
Knicely	Dennis	Healing News Network
Krupkin	Michelle	Mar Vista Community Council
Kuk	Maryann	Silver Lake Reservoirs Conservancy
Lambarri	Sergio	Atwater Village Neighborhood Council
Lang	John S.	South Shores Homeowners Association
Lieberman	Adi	Proposition O Citizens Oversight Advisory Committee
Lin	Michelle	LA Waterkeeper
Lipkis	Andy	TreePeople
Logshad	Seraphine	Longshadow Studios
Lopez	Sonia	Individual

STAKEHOLDER WORKSHOPS

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Low	Jenny	Occidental College
Machan	Paola	Mujeres de La Tierra
Macias	Maricela	Consulate General of Canada
Mack	Laura	Neighborhood Council Sustainability Alliance
MacLeod	Maryjane	Contech Engineered Solutions
Maher	Mirko	Michael Baker International
Maki	Amanda	Desal Response Group
Mark	Robin	The Trust for Public Land
Matson	Brandon	BizFed
McCarthy	Louise	Community Clinic Association of Los Angeles
McCarthy	Meredith	Heal the Bay
McKinnon	Christopher	Mar Vista Community Council
McMillen	Jacqueline	Alta Environmental
Meador	Mike	California Greenworks
Medina	Raul	LA Regional Water Quality Control Board
Mehranian	Maria	Cordoba Corp
Mehta	Michelle	Natural Resources Defense Council
Mejia	Genaro	ASCE - LA Chapter; Metropolitan Los Angeles Branch
Mejia	Stephen	Friends of the Los Angeles River
Meyer	Amelia	ARUP
Mika	Katie	UCLA
Millar	Rusty	Silver Lake Neighborhood Council
Mukherjee	Monobina	UCLA, Institute of Environment and Sustainability
Morris	Cris	Los Angeles Regional Water Quality Control Board
Munevar	Armin	CN2M
Murray, MD	Ken	Wilderness Corps
Mutter	Mark	ARCADIS
Nagy	Alexandra	Food and Water Watch
Nahai	David	David Nahai Companies
Nahum	Renee	Silver Lake Neighborhood Council
Napoleon	Dorothy	Individual
Nguyen	Todd	High Speed Rail
Norton	Brenna	Food & Water Watch
O'Gara	Mike	Sun Valley Area Neighborhood Council
Oillataguerre	Maurice	City of Glendale - Public Works Department
Orija	Caroline	Better Watts Initiative WLCAC
Osokow	Mark	San Fernando Valley Audubon Society

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Padilla	Vera	Lincoln Heights Neighborhood Council
Padilla	Veronica	Pacoima Beautiful
Pampanin	Mark	Sierra Club
Pascual	Romel	CicLAvia
Pashley	Grove	Individual
Paxton	Alex	Water Foundation
Perisho	Johnathan	The River Project
Persons	Tom	Habitat Works
Pienkos	Charlotte	The Nature Conservancy
Pierce	Gregory	UCLA Luskin Center
Pincetl, PhD	Stephanie	UCLA, Institute of the Environment
Pinheiro	Marcos	Hatch Mott MacDonald
Plai	Andy	Individual
Podemski	Max	Pacoima Beautiful
Potter	Julia	California State University Northridge
Preston	Rosalie	Harbor Gateway North Neighborhood Council
Probert	Scotty	Friends of the Los Angeles River
Quat	Steven	Studio City Neighborhood Council
Quinn	Tracy	Natural Resources Defense Council
Ramallo	Wendy	Council for Watershed Health
Randle	Sayd	Yale University - School of Forestry & Env Studies
Rascon	Sarah	Mountains Recreation and Conservation Authority
Raymond	Anthea	Los Angeles Kayak Club
Reed	Karen	USC
Remmsham	Kermit	SoCal Golf Association
Reznik	Bruce	Los Angeles Waterkeeper
Ringuette	Barbara	Silver Lake Improvement Association
Rios	Agustine	Individual
Robinson	Alexander	USC School of Architecture
Robinson	Keel	Xylem, Inc.
Romano	Sharyn	Los Angeles Beautification Team
Romero	Matt	Mia Lehrer + Associates
Rood	Michael	Kiewit Infrastructure West Co.
Russell	Ken	Individual
Ryan	Kelly	The River Project
Rynn	Daniel J.	City of Burbank - Public Works Department
Salans	Jessica	Ground Game LA

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Salinas	Maria	West Adams Neighborhood Council
Saltzman	Laura	Mountains Recreation and Conservation Authority
Samson	Jennifer	LA River Revitalization Corporation
Sanchez	Yareli	Council for Watershed Health
Sarabia	Chris	Greywater Action
Savinar	Charles	North Hollywood West Neighborhood Council
Schneider	Denny	Alliance for a Regional Solution to Airport Congestion
Sciolini	Daniel	Baldwin Hills Conservancy
Seligman	Tracy	Individual
Sharkey	Suzanne	NWRI
Shiang	Bryan	AdvTech Enviornmental Inc.
Shiang	Michael	AdvTech Enviornmental Inc.
Sidick	Sherry	California State University Northridge
Silva	Diane	The Trust for Public Land
Smith	Deb	Los Angeles Regional Water Quality Control Board
Smith	Edward	Empowerment Congress Southwest Area Neighborhood Development Council
Solek	Christopher	U.S. Army Engineer District, Los Angeles Planning Division
Song	Angie	Trust for Public Land
Sourial	Jill	The Nature Conservancy
St. German	Brian	Canoga Park Neighborhood Council
Steele	Nancy	Council for Watershed Health
Sullivan	Noel	Individual
Switalski	Jon	River LA
Szmolyan Stein	Sharon	EnviroLine
Talaro	Wendy	Biomimicry Los Angeles
Taylor	Stephanie	Green LA Coalition
Teissere	Ty	Greywater Action
Thompson	Vanessa	Arup
Truong	Jennifer	The River Project
Tudor	Larry	Rio Tinto
Valencia	DeAndre	BIA-LAV
Valencia	Tawny	DigDeep
Von Mayrhauser	Melissa	LA Waterkeeper
Vosburg	Jeanette	Sierra Club
Wada	Frank	Lincoln Heights Neighborhood Council
Wang	Guangyu	Santa Monica Bay Restoration Commission
Warren	Shawn	Friends of the Los Angeles River

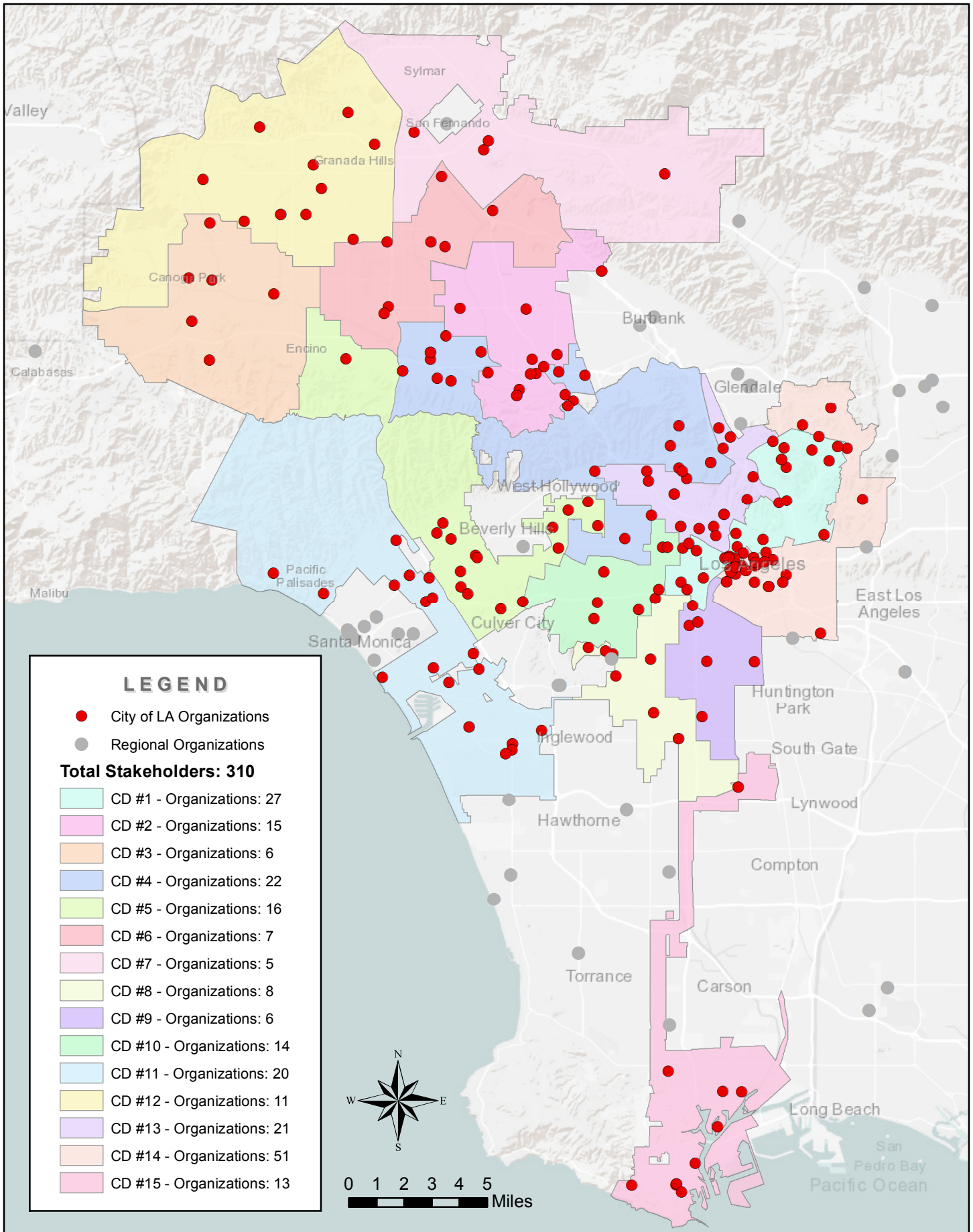
STAKEHOLDER WORKSHOPS

Table 4 One Water LA Stakeholder List Stakeholder Engagement Materials One Water LA 2040 Plan		
Last Name	First Name	Organization
Ward	Diana	UCLA Department of Geography
Weatherly	Lara	The Nature Conservancy
Weinstein- Bloome	Deborah	TreePeople
Wilkinson	Tony	Neighborhood Council MOU Oversight Committee
Williams	Steven	Selva International-Eco Gardens; Surfrider Foundation -Eco Friendly Gardens
Williams, M.S., Ph.D.	Tom	Citizens Coalition for a Safe Community/Sierra Club- Water Committee
Winter	Melanie	The River Project
Wolfberg	George	Santa Monica Canyon Civic Association
Wright	Gregory	SONC Green Committee, Wright Thinking, Tradetech
Wyrick	Kenneth	Caltek
Yamout	Ghina	Alta Environmental
Yazdani	Azita	Exergy
Yee	Justin	Urban Waters Federal Partnership
Zelen	Ross	VerdeXchange

* Over three hundred additional stakeholders received meeting invitations and informational updates.



One Water LA Stakeholder Organizations



STAKEHOLDER WORKSHOP #1 (12/10/15)

The following pages present the meeting agenda, summary of the discussion, and the presentation given at the Stakeholder Workshop #1, held on December 10, 2015.

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One Water LA Plan Phase 2 Stakeholder Workshop #1 Agenda

Thursday, December 10, 2015, 1:00-4:00 pm
1350 S. Wall Street, Los Angeles 90015 (Main Building, 3rd Floor)

Workshop Objectives:

1. Provide overview and discussion of Phase 2 objectives, activities, outcomes, and stakeholder involvement program.
2. Review initial observations from the existing conditions and future conditions technical reports, and seek stakeholders' input on questions to address during Phase 2.
3. Identify stakeholder interest in special topics groups for the purpose of planning future involvement opportunities (e.g., policies and ordinances, integration strategies, funding strategies, storm water, communication and outreach, and partnerships).

Agenda:

1:00	Networking and Refreshments	
1:30	Introductions	Ali Poosti (LA Sanitation) Adel Hagekhalil (LA Sanitation) Penny Falcon (LADWP)
1:40	Meeting Objectives, Agenda Overview and Ground Rules	Lewis Michaelson (Katz & Assoc.)
1:50	One Water LA Consultant Team	Lenise Marrero
1:55	One Water LA Update	Lenise Marrero Tom West (Carollo Engineers)
2:10	Discussion	All Participants
2:20	Los Angeles World Airports and LA Department of Transportation presentations	Jeffrey Smith (LAWA) Miles Mitchell (LADOT)
2:35	Phase 2 Stakeholder Involvement Process	Serge Haddad (LADWP)
2:45	Discussion	All Participants
2:55	BREAK	
3:05	Existing and Future Conditions Reports	Inge Wiersema (Carollo Engineers)
3:15	Discussion Questions Exercise on Existing and Future Conditions	All Participants
3:55	Next Steps	Lewis Michaelson

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CITY OF LOS ANGELES
One Water LA
Stakeholder Workshop #1 (Phase 2)
Thursday, December 10th, 2015 1:00 -4:00 pm

Meeting Notes

The following notes are not intended to be a transcription of the One Water LA Phase 2 Workshop #1 meeting. These notes generally express the sentiment and direction provided by those that attended.

Please refer to attachments for additional information regarding these notes.

INTRODUCTIONS:

Attendees were welcomed with opening remarks by Ali Poosti from Los Angeles Sanitation (LASAN), Adel Hagekhalil from LASAN and Penny Falcon from the Los Angeles Department of Water and Power (LADWP). Ali mentioned the Mayor's Executive Directive #5 as one of the drivers for the One Water LA Plan. Adel Hagekhalil mentioned that integration, innovation and inclusion are the three "I's" we need to address to solve the City's water challenges. Penny Falcon reviewed the overarching goals for the One Water LA plan which are: 1) supporting the Mayor's Goals to reduce imported water use, 2) improving wastewater facilities, 3) managing runoff, and 4) balancing needs for water.

Lewis Michaelson (Katz & Associates) was the meeting facilitator and he reviewed the agenda, ground rules and meeting objectives. The workshop agenda was organized as follows:

1. One Water LA Update
2. Los Angeles World Airports Presentation
3. Los Angeles Department of Transportation Presentation
4. Phase 2 Stakeholder Involvement Process
5. Break
6. Existing and Future Conditions
7. Discussion Questions Exercise on Existing and Future Conditions
8. Next Steps

1. One Water LA Update– Lenise Marrero (LASAN), Tom West (Carollo Engineers, Inc)

Please refer to Attachment #1 – PowerPoint Presentation (Slides 14-18)

- Lenise Marrero provided some updates regarding the One Water LA team staff, and introduced key members of the prime consultant, Carollo Engineers, and their more than 20 sub-consultants.
- Lenise Marrero then provided the One Water LA update starting with the accomplishments of Phase 1 (slide 14). She discussed the agencies involved in the Steering Committee (slide 15), and

ongoing One Water LA work (slide 16). Stakeholders can find the One Water LA Guiding Principles Report that comprehensively summarizes Phase 1 accomplishments at www.OneWaterLA.org.

- Tom West, the Carollo Project Manager, provided an overview of key activities for Phase 2, which includes a number of both specific tasks and ongoing tasks (slide 17). The end product will be the One Water LA 2040 Plan to be completed in January 2017. A Programmatic Environmental Impact Report will be completed in 2018. The schedule shows the synchronization of all tasks with continuous stakeholder involvement (slide 18).

After the One Water LA Update, stakeholders provided the following questions and comments summarized below:

Question: I see a communications strategy, but I don't see an educational strategy. Will the project include an educational component with schools and local students? Not including education seems like a mistake.

Response: This has been something that we've talked about as a team and we have been reaching out to academic institutions.

Response: The One Water LA team and the LASAN team is working with LAUSD – junior and senior high school students – on a One Water LA curriculum, which will start as a pilot at several middle schools and high schools and be considered for implementation city-wide.

Question: Are there other plans besides wastewater treatment and stormwater to be prepared? It seems like there are other plans that need to address the other components of One Water.

Response: Yes, there are other plans under preparation by other agencies, such as LADWP. These plans will be addressed in the One Water LA process.

Question: I don't see a tool for identifying opportunities and mechanisms for cost sharing among departments, which was discussed substantially in Phase 1.

Response: This will be rolled into the cost-benefit analysis (Task 6).

Question: The cost-sharing analysis is different than a cost-benefit analysis.

Response: Part of the cost-benefit analysis will include the tool to assess cost sharing.

Question: In the introduction we talked about 50% by 2025. Where did the goal less than 50% by the year 2040 come from?

Response: The first target is to reduce purchased imported water use 50% by 2024. The second goal is to have 50% locally-sourced water by the year 2040.

Question: Is there a groundwater component?

Response: LADWP already has groundwater plans underway, and the One Water LA plan will address how to support the groundwater plans regarding groundwater replenishment.

Response: The timeline for the 2015 Urban Water Management Plan is from 2015-2040, and we've aligned One Water LA with the same planning horizon. The One Water LA program is looking at projects that can be implemented with an integrated approach by multiple City departments.

Question: Where is direct and indirect potable reuse water in the One Water LA program?

Response: All reuse is being taken into account in the One Water LA planning effort. In thinking about going out to 2040, technology, regulations and thinking will change.

Response: Direct potable reuse is on our radar, but we need the regulatory structure. The good news is that in September 2015, an expert panel came out with a framework for potable reuse. We don't know the exact date that regulations will be in place, but it may be within the next decade.

2. Los Angeles World Airports Presentation – Jeffrey Smith

LAWA gave a brief presentation on how their department interfaces with the One Water LA program and the actions they are taking to conserve water.

Jeffrey Smith, LAWA: Jeffrey Smith introduced Sheralyn Burr, a student from Brigham Young University of Idaho, to co-present. LAWA is working together with the One Water LA Team to comply with the Mayor's Executive Directive #5. Some of LAWA's key water-related activities, projects and programs are summarized below:

- Sixty-three (63) percent of LAX's landscape is irrigated with recycled water. For areas not irrigated with recycled water, there are plans being developed to install recycled water pipelines. This includes a recycled water pipeline connection at Imperial Highway and Sepulveda Boulevard to irrigate surrounding areas with recycled water.
- LAWA has updated 95% of their restroom fixtures to be low-flow and ultra-low flow.
- LAWA is working with LADWP to post water conservation signs in public areas. This will help educate the public on water conservation measures
- As a result of these water conservation efforts, Ontario Airport has a 16% reduction in potable water use since 2012; Van Nuys Airport has removed 18,000 square feet of turf and has replaced sprinklers with drip systems.
- LAWA is working with LASAN in planning a stormwater capture and infiltration system to ensure that stormwater is used rather than discharged into the ocean.
- LAWA is going to build a Landside Access Modernization Program which is an area that includes car rental facilities that will provide 20,000 rental cars to passengers. Specific plans for this program include: 1) using California Friendly Landscape palletes that will be irrigated with recycled water, 2) capturing and treating stormwater to be reused at the car wash facilities, and 3) using stormwater Best Management Practices (e.g. bioswales, permeable pavement) throughout the program.

3. Los Angeles Department of Transportation Presentation – Miles Mitchell

LADOT gave a brief presentation on how their department interfaces with the One Water LA program and the actions they are taking to conserve water.

Miles Mitchell, LADOT Planning Division:

When LADOT was first asked to participate in One Water LA, they were unsure of their role and involvement. After talking with the Steering Committee and One Water LA team, LADOT began to see a link between One Water LA objectives and LADOT programs, particularly in the areas of:

- New maintenance facilities for transit fleet, which incorporates water conservation measures.
- Green Streets support, with best management practices in parking facilities that include water efficiency practices.
- Active transportation – People Street Program – including transformation of temporary plazas into permanent plazas that can incorporate Green Street elements into them.
- Capital improvements – roadway improvements, transit improvements, safe routes to school – will work with other One Water LA partners to identify water efficiency and stormwater components for projects still in the planning stages. LADOT will also expedite One Water LA projects.

After the LAWA and LADOT presentations, only one question was asked:

Question: What is the project located on the west side of the airport?

Response: The project is a Prop O project meant to capture stormwater.

4. Phase 2 Stakeholder Involvement Process – Serge Haddad (LADWP)

Please refer to Attachment #1 – PowerPoint Presentation (Slides 22-24)

Serge Haddad talked about the stakeholder involvement for Phase 2. In addition to the stakeholder workshops, there are opportunities for stakeholders to participate in discussions about specific topics. There were sign-up lists in the room for Special Topic Groups – Funding, Cost Benefit Analysis, Outreach and Marketing, Partnerships and Collaboration, and Stormwater and Urban Runoff. Two meetings per group are anticipated before the next stakeholder workshop. There is an opportunity to participate in the Advisory Group, particularly individuals that represent business interests and academia. Members of the Advisory Group in attendance were acknowledged. The overarching goal is to offer a variety of opportunities in order to increase diverse stakeholder engagement.

During the discussion period following an overview of the Phase 2 stakeholder involvement process, stakeholders provided the following questions and comments summarized below:

Question: Should One Water LA be reaching out to adjacent jurisdictions for coordination purposes?

Response: Yes, we are coordinating with cities that contract with the City of LA for wastewater discharge and are also looking at how to coordinate with other cities as well.

Question: We haven't talked about watersheds. City boundaries are not nearly as important as watersheds.

Response: We agree, water doesn't know municipal boundaries, and our analyses and tools consider watersheds.

Question: What is the relationship with One Water LA to the County? They manage watersheds; they have the Flood Control District.

Response: We are coordinating with the Flood Control District and LA County Public Works regarding stormwater capture. There are representatives of the County here at this workshop.

Question: Three out of the four special topic groups have direct relationships to One Water LA Phase 2 tasks. Which task addresses partnerships?

Response: All of the tasks address partnerships.

Response: It is the core of the process and part of the One Water LA vision statement.

Question: An incredible amount of work is being planned in a very short amount of time. How will that work?

Response: Yes, the schedule is aggressive. We hope that the political will and departmental support we have will be enough to meet the schedule.

Response: We also don't have the luxury of time since there are City goals we have to meet. We have learned from the lessons of the City's Water Integrated Resources Plan in 2006. We believe we can successfully complete the One Water LA Plan under the existing timeline.

Question: I am concerned about the needed monitoring and maintenance and related capitalization. I don't see any budget for these needs. I see it as a giant hole.

Response: Please sign-up for one of the special topic groups and participate in it in order to voice all concerns.

5. BREAK

Please refer to Attachment #2 – Workshop Poster Board Content

During the 10-minute break, stakeholders in attendance had the opportunity to look at poster boards developed by the One Water LA Team. The poster boards consisted of: 1) Phase 2 One Water LA Consultant Team, 2) One Water LA Phase 2 Schedule, 3) Short-Term Policies and Recommendations for City Departments and regional agencies, 4) Vision Statement and Objectives for One Water LA, 5) Simplified Water Balance Model Flow Chart and 6) One Water LA - Water Balance Model.

6. Existing and Future Conditions Reports – Inge Wiersema (Carollo Engineers, Inc)

Please refer to Attachment #1 – PowerPoint Presentation (Slides 27-31)

Inge Wiersema of Carollo Engineers discussed existing and future flow conditions and the use of a flow balance model which considers water supply, wastewater, recycled water and stormwater. The model will allow for analysis of wet, dry and normal years. She explained that understanding the flows is an essential building block for the planning of tasks in Phase 2. She also reviewed some of the challenges for optimizing water flow balance, including water supply, wastewater flows, recycled water, stormwater/urban runoff, climate change impacts and other uncertainties. Water conservation has reduced wastewater flows, and wastewater flows could be reduced by distributed treatment where the treated water is diverted from the City's system. There are uncertainties about the timing of recycled water delivery due to the regulatory structure, and stormwater infiltration needs to correlate to locations where groundwater is readily usable. Climate change predictions include more severe and more frequent drought events and wet events, which could affect the flow balance year to year. Funding is also another uncertainty. The One Water LA team will present more conclusions from the flow balance model work at future meetings.

7. Discussion Questions Exercise on Existing and Future Conditions – All Participants

Please refer to Attachment #3 – Discussion Exercise Form

Discussion Questions

Lewis Michaelson explained that participants could either raise their hand and pose a question or comment during the discussion period or submit their input using the comment card provided in their meeting folder.

Questions and comments made by stakeholders during the discussion exercise are summarized below:

Question #1: 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?

Responses

- We need to be more aggressive on the timeline in order to have the draft available in July for City budgeting purposes. Bravo on including direct potable reuse on the poster board.
- I would like to see a pre-development model of LA River flows in order to understand the seasonal flow requirements.
- Look at competing uses for the same source, need to understand minimum flow requirements for the sewer system, and assess co-benefits as a way to prioritize programs.
- Given climate impacts, we need to consider the carbon footprint of many water treatment technologies compared to onsite water recycling and graywater use. There seems to be resistance on the part of certain City departments to residential water recycling.
- With the water balance tool, where will you be in summer 2016 and how much further out do you anticipate modeling this? There are so many linchpins in the model that you will be heavily criticized for things that you either put in or leave out with time.

Response: It is a model that can be continually updated and adjusted with time.

- Use full life cycle costs for 25 years and the ability to pay as a way to address competing needs.
- The Burbank Wastewater Treatment Plant discharges into the LA River. It should be considered in the One Water LA mass balance model. Partnering with the City of Burbank will be useful.
- Who owns the water, who has rights, and what about riparian needs? Is this being taken into consideration in the model?

Response: It will not be included in the model but needs to be addressed.

Question #2: What are the best ideas and challenges to significantly increase stormwater capture?

Responses

- The City needs to get the funding to make developed plans (e.g. SCMP and EWMPs) a reality because there are amazing ideas at the residential level and at the street level. Tree People is working with many agencies on a project called the Greater LA Water Collaborative where they are documenting challenges (among the County, Dept. of Public Health, Flood Control District, LASAN and LADWP) on retrofitting homes with cisterns and rain gardens in order to work through the hurdles of collaborating, as well as sorting out the issues regarding permitting.
- If we integrate the EWMPs, Basin Study, and SCMP we can make great progress. We still have codes and ordinances that need to be changed, but education across all agencies on what true green infrastructure means – not just inserting things into the ground and landscaping over them - is a challenge we need to address. The lack of understanding is a barrier for adopting and adapting.
- Practitioners need to be trained on stormwater capture. With turf replacement, we saw that the contractors needed training, and this needs to be a lesson learned to make sure that the

program is successful. Contractors need to understand what they are doing and how to do it correctly.

- We need to make sure that the City charter is aligned with these new challenges so that both LASAN and LADWP have the flexibility to grow and adapt to address the needs and challenges. For example, LASAN currently can't sell water. The Prop 1 funding provides an enormous opportunity, but there needs to be investment in maintenance and operations for stormwater programs to function as intended.
- This region has been working on stormwater capture for years, and we know what we need to do. We need to stop not doing it the right way. We need to get the right way of capturing stormwater into everything that we do.
- The Low Impact Development Ordinance only requires two rain barrels per single family residence for compliance. Commercial and multi-family dwellings have to capture 400 gallons per thousand square feet which is equivalent to about 10 rain barrels per standard thousand square foot house. There are some inequities within the ordinance and all new single dwellings should have the same capture ratio as commercial and multi-family. We need to combine stormwater with graywater systems, and have a suitable irrigation system, to maximize efficiency on residential properties.

8. Next Steps – Lewis Michaelson (Katz & Associates)

The next steps for the One Water LA Plan were presented. Next steps include:

1. Special Topic Group Discussions (Jan – June)
2. Expansion of Advisory Group
3. Next Stakeholder Workshop (March 2016)
 - a. Integration of projects
 - b. Climate Change Impacts
 - c. Alternatives Development

ATTACHMENTS

- Attachment 1 – PowerPoint Presentation
- Attachment 2 – Workshop Poster Board Content
- Attachment 3 – Discussion Exercise Form
- Attachment 4 – One Water LA Phase 2 Overview
- Attachment 5 – Phase 2 Schedule
- Attachment 6 – One Water LA Ground Rules
- Attachment 7 – Attendees

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One Water LA

Welcome to the December 10
Stakeholder Workshop!



One Water LA Vision

One Water LA is a collaborative approach to develop an integrated framework for managing the City's watersheds, water resources, and water facilities in an environmentally, economically and socially beneficial manner.

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.

One Water LA Innovation • Integration • Inclusion

3



WELCOME AND INTRODUCTIONS



2



Practically, One Water LA will . . .



1. 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.
3. Manage runoff to meet water quality requirements AND increase water supply.
4. Balance needs for water.



One Water LA Innovation • Integration • Inclusion

4



AGENDA, GROUND RULES, OBJECTIVES



5



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



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



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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.
4. Maintain focus on the topic currently under discussion. Avoid repeating issues that have already been raised or recorded.
5. Consistent participation and engagement is critical. Commit to attend workshops, tours, and other sessions as often as possible.



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Today's Workshop Objectives



1. Provide Update on One Water LA
2. Review Existing and Future Conditions
3. Identify Stakeholder Roles and Create Opportunities for Involvement
4. Answer Your Questions



One Water LA Staff Updates



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



Additions to One Water LA Group:



- Azya Jackson, P.E., hired as Civil Engineer Associate III
- Flor Burrola, hired as Civil Engineer Associate



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 PHASE 2 CONSULTANT TEAM



ONE WATER LA UPDATE



City Departments and Regional Agencies



LASAN	BOE	LADBS	BSS	DCP	LADOT	RAP	GSD	POLA	LAWA	LADWP	LA ZOO	DONE
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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



Phase 1 Summary

- Collaboratively developed One Water LA Vision, Objectives, and Guiding Principles
- Meetings/Collaboration:
 - 27 City meetings with individual departments and regional agencies
 - 3 Stakeholder Workshops
 - 4 Advisory Group Meetings
 - 5 Steering Committee Meetings
- Developed Initial Water Balance Tool



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
- Greywater and Onsite Treatment Preliminary Research/Studies
- Working with 13 City Departments and multiple regional agencies on integration opportunities and data sharing





Key Activities in Phase 2



Specific Tasks



Ongoing Tasks



One Water LA
2040 Plan
(January 2017)
+
Programmatic
EIR
(January 2018)



Los Angeles World Airports Presentation



One Water LA Phase 2 Schedule



Task	Task Description	2015				2016				2017							
		Aug	Sep	Oct	Nov	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Existing Flow Conditions																
2	Future Flows Conditions																
3	Existing Integration Opportunities																
4	Funding Strategies																
5	Integration Alternatives Evaluation																
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																
17	Stakeholder Activities																
18	Marketing Strategy & Outreach																
19	Project Management																

- ◆ Draft TM
- ◆ Final Draft TM
- ◆ Final TM
- Stakeholder Meeting



LA Department of Transportation Presentation



PHASE 2 STAKEHOLDER INVOLVEMENT



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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



One Water LA Phase 2

Stakeholder Participation Approach



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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

Partnerships and Collaboration

- Implementation ideas
- Leveraging existing efforts



Outreach and Marketing

- Provide input and ideas
- Recommend resources

Stormwater and Urban Runoff

- Implementation ideas
- Integration opportunities
- Monitoring and maintenance



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10 MINUTE BREAK



Existing Conditions



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



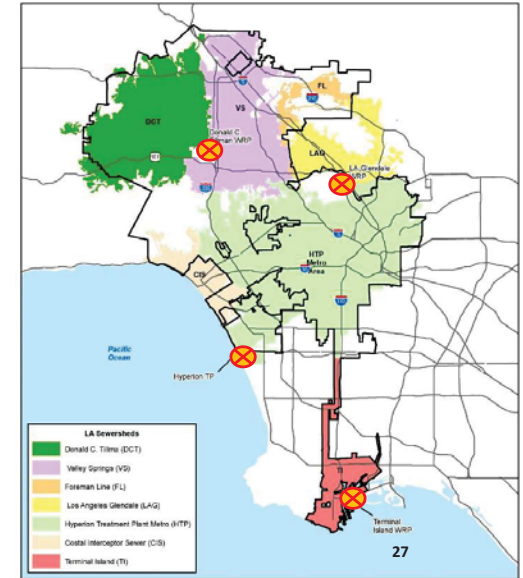
- Wastewater:
 - 4 treatment plants



- Recycled Water
 - 3 reclamation plants



- Stormwater
 - Rainfall
 - Run-on
 - Irrigation



EXISTING AND FUTURE CONDITIONS



Flow Balance Model Components



Potable Water	Wastewater	Recycled Water	Stormwater
<p>Supplies: Local Groundwater LA Aqueduct Imported (MWD)</p>	<p>Treatment Plants: Donald C. Tillman WRP LA-Glendale WRP Hyperion TP Terminal Island WRP</p>	<p>Supplies: Donald C. Tillman WRP LA-Glendale WRP Terminal Island WRP Hyperion TP (WBMWD)</p>	<p>Supplies: Rainfall Run-on Irrigation</p>
<p>Demands: Indoor Outdoor</p>	<p>Wastewater Flows: City flows (indoor water) Industrial Discharges Contract Agencies Dry Weather Diversions Stormwater Infiltration</p>	<p>Demands: Title 22 Customers Environmental Uses West Basin MWD Barriers</p>	<p>Outflows: Natural GW Recharge BMPs GW Infiltration Evapotranspiration Stormdrain discharges (LA River, Creeks, Ocean)</p>





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)



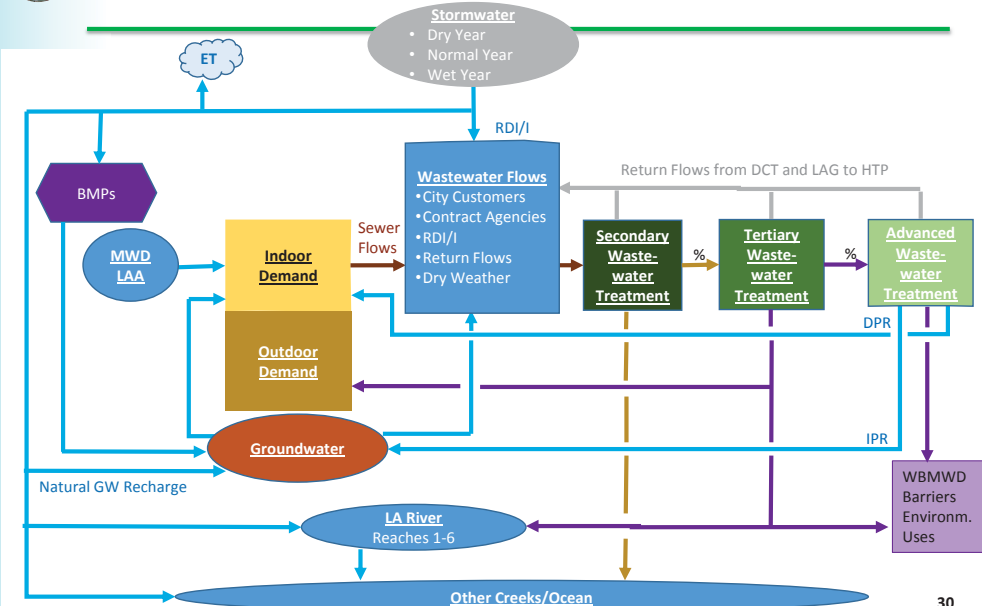
Challenges to Optimize Water Flow Balance



- Water Supply
- Wastewater flows
- Recycled Water
- Stormwater/Urban Runoff
- Climate Change Impacts
- Other Uncertainties



Simplified Mass Balance Flow Model



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?



NEXT STEPS



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.



– From what you know already about stormwater, what do you think are the best ideas out there to maximize its potential?



– 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 OneWaterLA@lacity.org.



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STAKEHOLDER WORKSHOP #2 (06/29/16)

The following pages present the meeting agenda, summary of the discussion, and the presentation given at the Stakeholder Workshop #2, held on April 7, 2016.

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One Water LA Plan Phase 2 Stakeholder Workshop #2 Agenda

Wednesday, June 29, 2016, 1:00-3:30 pm
1350 S. Wall Street, Los Angeles 90015 (Main Bldg.-3rd Floor)

Workshop Objectives:

Part 1: Update and energize stakeholders on upcoming recycled water projects

Part 2: Provide overview of Phase 2 progress and next opportunities for stakeholder involvement.

Part 3: Provide opportunity for discussion and input of part of the Special Topic Group meetings held to date

Introduction

1:00	Introductions	Ali Poosti Penny Falcon
1:10	Meeting Objectives, Agenda Overview and Ground Rules	Lewis Michaelson

Part 1: Recycled Water Segment

1:15	RWAG Integration into One Water LA	Serge Haddad
1:20	Draft GWR Environmental Impact Report GWR Pilot Study Phase 2	Yoshiko Tsunehara Bryan Trussell
1:40	Q & A	All Participants

Part 2: One Water LA Update

1:55	One Water LA Phase 2 Update Latest activities and next steps	Lenise Marrero Tom West
2:10	Q & A	All Participants

Part 3: Special Topic Group Report Out and Discussion

2:15	Partnerships, Collaboration, and Innovation Report	Clint Granath
2:25	Discussion	All Participants
2:45	Decentralized/ Onsite Treatment Report	Hampik Dekermenjian Dr. Tom Williams & Craig Kessler

3:00 Discussion All Participants

Closing

3:25 Next Steps Lewis Michaelson

3:30 Recycled Water Fill Station Training (optional) Serge Haddad

CITY OF LOS ANGELES
One Water LA
Stakeholder Workshop #2 (Phase 2)
Wednesday, June 29th, 2016 1:00 -3:30 pm

Meeting Notes

These notes are not intended to be a transcription of the One Water LA Phase 2 Workshop. These notes generally express the sentiment and information provided by those that attended.

Please refer to attachments for additional information regarding these notes.

INTRODUCTIONS:

Attendees were welcomed with opening remarks by Ali Poosti from Los Angeles Sanitation (LASAN) and Serge Haddad from the Los Angeles Department of Water and Power (LADWP). Ali Poosti briefly discussed the progress that has been made since the previous workshop (held December 2015) which included: 1) Development of five Special Topic Groups, 2) Continual interdepartmental/interagency collaboration that has led to the identification of potential case studies and 3) Long term integration alternatives along with Wastewater and Stormwater facilities Plans to support long term alternatives.

Serge Haddad provided the following LADWP updates: 1) On June 7, 2016, the Board of Water and Power approved the 2015 Urban Water Management Plan, 2) City is meeting gallons per capita per day (gpcd) goals – currently at 104 gpcd, 3) Forty-three (43) million square feet of turf has been removed in the City and 4) LADWP is partnering with LASAN to pursue funding from Prop 1 for stormwater, recycled water and groundwater projects.

Lewis Michaelson (Katz & Associates) was the meeting facilitator and he reviewed the agenda, ground rules and meeting objectives. The workshop agenda was organized as follows:

1. Recycled Water Advisory Group (RWAG) Integration into One Water LA
2. Draft Ground Water Replenishment (GWR) Environmental Impact Report (EIR)
3. Ground Water Replenishment Pilot Study Phase 2
4. One Water LA Phase 2 Update
5. Partnerships, Collaboration and Innovation Report
6. Decentralized/Onsite Treatment Report
7. Next Steps

1. RWAG Integration into One Water LA– Serge Haddad (LADWP)

Please refer to One Water LA Workshop PowerPoint Presentation (Slides 7-13)

The presentation discussed the accomplishments of RWAG, some of which included finalizing Recycled Water Master Planning documents and a RWAG Consensus Statement. Additionally, the presentation explained the reason for RWAG integration into One Water LA which was to improve stakeholder coordination, consistent messaging and to allow stakeholders to provide input on both broader goals of One Water LA and the more specific topic of recycled water. It was also mentioned that LADWP will be conducting training sessions for Residential LADWP customers to pick up free recycled water (up to 300 gallons) from recycled water fill stations.

After the RWAG Integration into One Water LA presentation, stakeholders provided the following questions and comments summarized below:

Question: What is the maximum amount of recycled water you can collect?

Response: Up to 300 gallons of recycled water can be collected from the fill station per visit.

2. Draft GWR Environmental Impact Report - Yoshiko Tsunehara (LADWP)

Please refer to One Water LA Workshop PowerPoint Presentation (Slides 14-19)

The Draft GWR EIR presentation provided an update on the Los Angeles Groundwater Replenishment Project Draft Environmental Impact Report. The report was released for public review on May 12, 2016. The deadline to submit comments is July 11, 2016 (document available at www.ladwp.com/envnotices). The primary purpose of the EIR is to talk about construction impacts.

After the Draft GWR EIR presentation, stakeholders provided the following questions and comments summarized below:

Question: On one of the earlier maps there were injection wells shown on the pipes that lead to the Pacoima spreading grounds and they are not shown on the current map being presented.

Response: LADWP received comments during the scoping period that led to re-evaluating the location of the injections wells, as they were located close to the spreading grounds. This could impede spreading operations if the injection wells were operated during wet weather events as planned. There will be a future study on injection wells but they are not included in the current GWR project.

Question: There is concern about the preparation of the spreading grounds in regards to dust and pollution from diesel vehicles. Will there be any provisions for homeowners that may be impacted from an air quality standpoint?

Response: This comment refers to a separate project, the Pacoima Spreading Grounds Enhancement Project. It is unrelated to the GWR Project as GWR does not require upgrades to the existing spreading grounds, because the recycled water flow will be small compared to large

storms. Stakeholders are asked to contact LA County Flood Control District to voice concerns regarding spreading grounds projects.

Question: What happened during the two public meetings held? Was there any public pushback?

Response: Generally the project has been very well accepted at many community group meetings. One stakeholder voiced concerns in regards to using recycled water for drinking but their opinion was not held by the other attendees.

Comment: You mentioned Pacoima Spreading Grounds but no one has mentioned Sun Valley. At a meeting in Arleta, it was mentioned that the City plans to excavate 1.4 cubic yards of dirt and locate it all in Sun Valley.

Response: Stakeholders are asked to contact LA County Flood Control District to voice concerns regarding spreading grounds projects as they are independent of the GWR Project.

Question: There is one minor detail being forgotten which is numbers. If you look at the analysis of the recycled water, there is a negative rate of return over a 25 year payback. How do you still continue to go ahead with the project?

Response: City will continue to evaluate cost-benefits and conduct economic analysis on recycled water projects.

3. GWR Pilot Study Phase 2 – Bryan Trussell (Trussell Tech Inc.)

Please refer to Groundwater Replenishment Pilot Study Phase 2 PowerPoint Presentation

The GWR Pilot Study Phase 2 presentation provided an overview on the second phase of the pilot Advanced Water Treatment Facility that will meet the full scale treatment of the GWR project. Objectives of the pilot tests are to increase recovery of the product water, provide the most cost-effective solution while meeting regulatory requirements and public acceptance, accelerate the overall project schedule for the GWR project and plan for the future in regards to Direct Potable Reuse. Bryan Trussell briefly discussed the different treatment processes and Treatment Trains being tested during the Pilot Study. The Final Report for the Pilot Testing will be complete March 2017.

After the GWR Pilot Study Phase 2 presentation, stakeholders provided the following questions and comments summarized below:

Question: What is the footprint for the various treatment train options in terms of scaling up? How much acreage would be needed? There is a relatively limited area of the southeast corner of the Donald C. Tillman (DCT) Water Reclamation Plant.

Response: There are some preliminary layouts of the full Direct Potable Reuse Treatment Train and other treatment trains being considered. None of the treatment train options will be scaled up beyond the area available at DCT.

Question: Three years ago RWAG did a tour of a demonstration project at DCT. Why are we touring it again? Also could slides for future workshops be prepared and available to all attendees prior to the workshop date?

Response: The pilot study was conducted from February 2010 through June 2011. Since that time, the Title 22 regulations from the State Water Resources Control Board Division of Drinking Water were finalized (June 2014) and new studies and treatment technologies have emerged. The City wants to make sure public health is protected in the most cost-effective way possible. Slides for upcoming workshops will be prepared and available electronically to attendees prior to the workshop date.

Question: Is there a criteria besides cost for selection of the treatment train option strictly for the groundwater recharge portion? Is the City taking into consideration the removal of trace contaminants such as endocrine disruptors?

Response: The criteria are not based primarily on cost. Water recovery will be under consideration and regulations will also be under consideration to make sure the City is protecting public health. Schedule also plays a factor. A different treatment train means we may be able to spread recycled water sooner. Additionally, the City is analyzing the removal of trace contaminants that are not currently regulated and will consider their removal as part of treatment train selection criteria.

4. One Water LA Phase 2 Update – Lenise Marrero (LASAN), Tom West (Carollo Engineers, Inc)

Please refer to One Water LA Workshop PowerPoint Presentation (Slides 20-32)

During the One Water LA Phase 2 Update presentation, it was stated that there are multiple opportunities of involvement. These consist of the Steering Committee, Advisory Group, Focused Meetings, Stakeholder Workshops, Special Topic Groups, and Ad Hoc Technical Experts. To maximize near term opportunities for integration with City Departments and regional entities, the One Water LA team has identified potential case studies to: 1) evaluate operation and maintenance (O&M) requirements, 2) draft agreements among City Departments and Agencies for integrated projects, and 3) develop new policies to streamline processes for collaboration and O&M.

In regards to long-term integration opportunities, the City is looking at the Wastewater Facilities Plan while also considering stormwater and other needs. The City is looking at existing facilities to address: 1) existing and future conditions, 2) opportunities to leverage assets, and 3) fluctuations in flow projections.

After the One Water LA Phase 2 Update, stakeholders provided the following questions and comments summarized below:

Comment: None of the technical materials (e.g. list of projects, project cost, evaluation criteria, etc.) is being documented for the public online in any way. These are important policy discussions and the public needs access to them.

Response: No decisions have been made. In regards to the case studies, the cost of the project is not known. The purpose of the case studies is to evaluate what is needed to move the projects forward. Through the Special Topic Group on Funding, One Water LA is still evaluating the best process for cost-sharing. Stakeholders in the Funding Special Topic Group have

provided some ideas which will be shared at the next workshop. Stakeholder input is always welcome as the City evaluates funding criteria.

5. Partnerships, Collaboration and Innovation Report – Clint Granath (Forest Lawn)

Please refer to One Water LA Workshop PowerPoint Presentation (Slides 33-38)

The Partnerships, Collaboration and Innovation special topic group held three meetings to exchange ideas. These ideas included but were not limited to potable & non-potable reuse, process streamlining, mapping, water conservation, and climate change. At the last Special Topic Group meeting, the group identified priority recommendations and quick victories which were presented at the workshop.

During the discussion period, stakeholders provided the following questions and comments summarized below:

Question: For top priority recommendations under process streamlining, there is nothing on streamlining the process for small scale projects (e.g. curb cuts).

Response: The recommendation is saying that the process currently being implemented for large projects would also apply to small projects. Anyone who has a project can use the process to expedite permitting and implementation.

6. Decentralized/Onsite Treatment Report – Hampik Derkermenjian (CDM Smith), Dr. Tom Williams, Craig Kessler

Please refer to One Water LA Workshop PowerPoint Presentation (Slides 39-47)

The Decentralized/Onsite Treatment special topic group met three times. The first meeting focused on Onsite Treatment Systems, the second meeting focused on Graywater systems and the third meeting summarized all meeting discussions to develop conclusions and next steps. Based on interactive discussions from the meetings, draft guiding principles for the use of Onsite Treatment Systems and Graywater systems were developed by group members and presented at the workshop.

During the discussion period, stakeholders provided the following questions and comments summarized below:

Comment: What is the definition of graywater?

Response: The technical definition of graywater is untreated wastewater that has not been contaminated by toilet waste or unhealthy bodily waste. Graywater includes wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines, and laundry tubs, but does not include wastewater from kitchen sinks or dishwashers. Graywater can only be used for subsurface irrigation.

Comment: It was mentioned that the water in the sewer system that is going to be reused has to come from the entity that originally produced it in order to use it. There are some pretty heavy implications in terms of new institutions that might choose not to connect to the wastewater system at all and instead install their own recycled water system and others that might want to disconnect from the wastewater system because in order to install their own recycled water system, they would have to pay fees and such things that they can avoid by just disconnecting their system.

Response: It is not possible for someone to completely disconnect from the sewer system since the sewer system always serves as a backup in case their recycled water system fails. Everyone needs to be connected to a sewer system if they are within 200 feet of a sewer line.

Comment: Provide the definitions for each of the different types of water so that people would have a better understanding.

Response: The One Water LA Team will post a glossary of terms on the website (www.OneWaterLa.org) that defines each of the different types of water.

Comment: In regards to graywater, all 96 Neighborhood Councils desperately need outreach opportunities. The City could do a homeowner and business stakeholder survey and do self-reporting. It is a starting point that could give the City a baseline on what we could expect to see in terms of quantifying the amount of water conserved by implementation of graywater systems.

Question: Has the City permitted a composting toilet?

Response: Yes the City has approved a number of composting toilets within the last six years.

Question: With this issue of institutions having to reuse their own wastewater what about in the case of a City department that wants to take water out of the sewer system to use for their own purpose?

Response: The City does not allow sewer mining (taking water from the sewer). Institutions can use their own onsite generated wastewater but they cannot take water out of the municipally owned sewer system.

Comment: Please encourage reusable water bottles instead of plastic bottles at future workshops.

7. Next Steps – Lewis Michaelson (Katz & Associates)

The next steps for the One Water LA Plan were presented. Next steps include:

1. Report Out on remaining three Special Topic Group Discussions
 - a. Funding & Cost Benefit Analysis
 - b. Outreach & Communication
 - c. Stormwater & Urban Runoff Management
2. Pursue several Case Studies with Interdepartmental/Interagency collaboration

ADDITIONAL ATTACHMENTS

- Workshop Agenda
- One Water LA Workshop PowerPoint Presentation
- Groundwater Replenishment Pilot Study Phase 2 PowerPoint Presentation
- List of Attendees

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