

State Proposition 1 Package Content

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To: City Council Energy and Environment
Committee

From: Los Angeles Sanitation

Date: 5/6/15
Submitted in E&E Committee
Council File No: 5/6
Item No.: 14-1718 & 14-1718-S1
Deputy: Adam R. Lid

Topics for Discussion

- 1) State Prop 1 Development Schedule State Prop 1 Development Schedule
- 2) State Water Resources Prop 1 Grants Program Schedule
- 3) LASAN-LADWP Combined Projects list shovel ready for FY15-16
- 4) LASAN Projects list for funding
- 5) LASAN Flood Management Projects and Map
- 6) LASAN Stormwater Green Infrastructure 5-year Capital Projects

DRAFT Prop 1 Program Development Schedule

DRAFT document will continue to be updated as timelines are finalized and appropriations are approved.

Administering Agency/Dept/Board/Council/Conservancy	Name of Program	Water Code Section	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
State Water Resources Control Board	Small Community Wastewater	79723		Draft Guidelines Released	Public Workshops			Final Guidelines; Grant Solicitation Ongoing						
State Water Resources Control Board	Clean, Safe and Reliable Drinking Water	79724 (a)(1)				Draft Guidelines Released	Public Workshops			Final Guidelines Date; Solicitation Ongoing and Continuous				
Baldwin Hills Conservancy	Baldwin Creek/Baldwin Hills Watershed Program	79731 (a)		Draft Guidelines to Board (2/27)		Public Workshops Final Guidelines Review by CNRA	Board Adoption (5/22)							
Tahoe Conservancy	Ecosystem and Watershed Protection and Restoration Program in the Lake Tahoe Basin	79731 (b)	Draft to Guidelines Board		Public Workshops	Final Guidelines Review by CNRA; Board Update/Adoption (4/23)		Board Adoption (6/18, if necessary)						
Coachella Valley Mountains Conservancy	Coachella Valley Multibenefit Ecosystem and Watershed Protection and Restoration Projects Grant Program	79731 (c)	Draft Guidelines Outline to Board (1/12)		Draft Guidelines to Board/ Public Workshops	Final Guidelines Review by CNRA	Board Adoption (5/12)							
Ocean Protection Council	Proposition 1 Grant Program	79731 (d)					Draft Guidelines				Final Guidelines		Grant Solicitation	
San Diego River Conservancy	Water Quality and Supply, Watershed Restoration and Habitat Enhancement Program	79731 (e)			Draft Guidelines to Board	Public Workshops								
San Gabriel and Lower LA Rivers and Mountains Conservancy	Multibenefit Water Quality, Water Supply, and Watershed Protection and Restoration Program	79731 (f)			Draft Guidelines to Board	Public Workshops	Final Guidelines Review by CNRA; Board Adoption	Grant Solicitation			Review of Applications		Grant Award Recommendation to the Board	
San Joaquin River Conservancy	San Joaquin River Conservancy Multi-Benefit Watershed Protection and Restoration Program	79731 (g)		Draft Guidelines to Board (2/18) / Draft Guidelines Released	Draft Guidelines to Board (3/18)	Public Workshops	Final Guidelines Review by CNRA	Board Adoption (6/17)						
Santa Monica Mountains Conservancy	Multibenefit Water Quality, Water Supply, and Watershed Protection and Restoration Program	79731 (h)	In Process of Being Developed											
Sierra Nevada Conservancy	Sierra Nevada Watershed Improvement Program	79731 (i)		Draft Guidelines Released (2/6)	Draft Guidelines to Board (3/4); Public workshops	Final Guidelines Review by CNRA		Board Adoption (6/4)	Request for proposals issued					
Coastal Conservancy	Proposition 1 Grant Program	79731 (j)	Draft Guidelines to Board (1/29)		Public Workshops	Final Guidelines Review by CNRA		Board Adoption (8/25)						
Sacramento-San Joaquin Delta Conservancy	Proposition 1 Grant Program	79731 (k)			Draft Guidelines to Board (3/25)		Public Workshops	Final Guidelines Review by CNRA		Board Adoption (08/26, preferred)				
Wildlife Conservation Board	Stream Flow Enhancement Program	79733		Draft to Guidelines Board (2/26)		Public Workshops; Final Guidelines Review by CNRA	Board Adoption (5/21)							
Santa Monica Mountains Conservancy and San Gabriel and Lower LA Rivers and Mountains Conservancy	An Urban Creek	79735 (a)	In Process of Being Developed											
Natural Resources Agency	Watershed and Urban River Enhancements Program	79735 (b)(1)	Finishing two current grant cycles and starting Prop 1 program development, including assembling team of various departments/conservancies.											
Natural Resources Agency	State Obligations	79736	In Process of Being Developed											
Dept. of Fish and Wildlife	Watershed Restoration and Delta Water Quality and Ecosystem Restoration Grant Programs	79737 (a) and 79738 (b)	Draft Guidelines; Initial Guideline Review by CNRA	Draft Guidelines Released		Public Workshops; Final Guidelines Review by CNRA	Final Guidelines		Grant Solicitation					
Dept. of Water Resources	Integrated Regional Water Management	79744 (a)				Tribal Consultation, Develop Economically Distressed Area definitions/tool, Develop Program Success Measures (NOTE: Final round of Prop 84 \$220m dollars for IRWM to be awarded first)								Post Draft Guidelines & PSP for IRWM Planning Grant Program/Public Comment Period
Dept. of Water Resources	Water Use and Efficiency Grants, Round 1 - Urban and Ag	79746 (a)							Post draft guidelines and PSP	Public meetings	Develop and post FAQs	CNRA consistency review		Post final guidelines and PSP
State Water Resources Control Board	Stormwater	79747	In Process of Being Developed.											
Water Commission	Water Storage Investment Program	79750 (b)	Develop Draft Regulation Package (Commission oversight via monthly meetings)											
			Stakeholder Advisory Group Engagement											
			Tribal Consultation											
Dept of Water Resources	Water Recycling - Desalination Grants - Round 1	79765	In Process of Being Developed.											
State Water Resources Control Board	Water Recycling	79765		Draft Guidelines Released		Public Workshops		Final Guidelines; Grant Solicitation Ongoing						
State Water Resources Control Board	Groundwater Sustainability	79771	In Process of Being Developed.											
Dept. of Water Resources	Groundwater Plans and Project Grant Program - Phase 1	79775				Tribal Consultation, Develop Economically Distressed Area definitions/tools, Develop Program Success Measures								Post Draft Guidelines & PSP for Groundwater Grant Program/Public Comment Period
			Public Scoping Meetings to get Input											
Department of Water Resources and Central Valley Flood Protection Board	Flood Management	79780	In Process of Being Developed.											



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Financial Assistance Funding - Grants and Loans

Proposition 1

Proposition 1 ([Assembly Bill 1471, Rendon](#)) authorized \$7.545 billion in general obligation bonds for water projects including surface and groundwater storage, ecosystem and watershed protection and restoration, and drinking water protection. The State Water Resources Control Board (State Water Board) will administer Proposition 1 funds for five programs. The **estimated** implementation schedule for each is outlined below. As individual webpages are developed for each program, those links will be provided below. We also recommend that you subscribe to our email lists, so that you will receive periodic updates.

Funding Program	Funding Amount	Draft Guidelines	Public Workshops	Final Guidelines	Funding for Projects Anticipated in State Fiscal Year 2015/16?	Which Email List Should I Sign up for?
Small Community Wastewater	\$260 million	February 2015	March 2015	June 2015	Yes	Clean Water State Revolving Fund
Water Recycling	\$625 million*	February 2015	April 2015	June 2015	Yes	Water Recycling Funding Program
Drinking Water	\$260 million	April 2015	May 2015	August 2015	Yes	Drinking Water State Revolving Fund
Stormwater	\$200 million	April 2016	May 2016	June 2016	No	Stormwater Grant Program (Proposition 84)
Groundwater Sustainability	\$800 million**	April 2016	May 2016	August 2016	No	Groundwater Funding

*Proposition 1 authorized \$725 million; Department of Water Resources (DWR) will administer the remaining \$100 million for desalinization projects.
 ** Proposition 1 authorized \$900 million; DWR will administer the remaining \$100 million to fund projects that develop groundwater management plans

(Page last updated 3/13/15)

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The California Water Boards include the [State Water Resources Control Board](#) and nine [Regional Boards](#).
 The State Water Board is one of six environmental entities operating under the authority of the California Environmental Protection Agency
[Cal/EPA](#) | [ARB](#) | [CalRecycle](#) | [DPR](#) | [DTSC](#) | [OEHHA](#) | [SWRCB](#)

Los Angeles Sanitation and Water & Power Projects/Programs for the CA Water Bond (Prop 1) FY 15-16 Shovel Ready

Chapter 6: Watershed Protection					
Chapter 7: Integrated Regional Water Management, Water Conservation and Stormwater Capture					
No.	Project Name	Project Description	Stormwater Capture (Million Gallons)	Stormwater Capture (Ac-Ft)	Project Budget Cost
1	Citywide Rainwater Harvesting Program	The program will harvest rainwater at homes and businesses to use for irrigation and other portable uses and to recharge the groundwater. Pilot projects were implemented in the Mar Vista area and Valley area conducted jointly by the City of Los Angeles Bureau of Sanitation and Department of Water and Power. The pilot project provided over 900 rain barrels/rain gardens to home owners in the City of Los Angeles. The pilot was so successful that now can be implemented City-wide. City-wide implementation is expected to capture over 3 billion gallons (10,000 acre-feet) annually.	3,000	10,000	\$15,000,000
2	Rain Garden Installation Rebate Program	This program provides rebates to residential customers for turf removal and replacement with California-Friendly landscapes, mulch, permeable pathways, and artificial turf. Customers can get up to \$3.75 per square foot of turf removed. Project expected to increase regional annual average stormwater capture of over 150,000 gallons (1/2 acre-feet).	0.15	0.50	\$130,000
3	Machado Lake Wetlands and Water Multi-use Facility	This project will restore lake to be able to capture, clean and use stormwater and recycled water with wetlands and bio-filter vegetated system. The cleanse water will be for irrigation at the park and lake and other beneficial uses adjunct to the site. The project will increase water supply, improve water quality, enhance habitat and environment for healthy communities and neighborhoods. The project will capture over 3 billion gallons (10,000 acre-ft) annually.	3,000	10,000	\$90,000,000
4	Rory Shaw Wetlands Park	The project will create a wetlands park in the Sun Valley area and includes constructing detention ponds and wetlands to store and treat stormwater runoff. Treated water will be pumped to Sun Valley Park for infiltration. The project will improve water quality, augment water supply, reduce floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods. Project expected to increase regional annual average stormwater recharge of over 292 million gallons (895 acre-feet).	292	895	\$30,000,000
5	MacArthur Park Lake Stormwater Capture and Use	This project will restore lake to be able capture, clean and use stormwater and recycled water with wetlands and bio-filter vegetated system. The cleanse water will be used for irrigation at the park and to fill the lake. In addition, recycled water from a satellite wastewater plant will be produced to supplement the park and golf course irrigation uses. The project will increase water supply, improve water quality, enhance habitat and environment for healthy communities and neighborhoods. The project will capture over 33 million gallons (100 acre-ft) annually.	33	100	\$10,000,000
6	Van Ness/Slauson Area Stormwater Infiltration Project	The project will capture and infiltrate stormwater to recharge the groundwater using a series of bio-filter vegetated swales and dry-wells system in the South Los Angeles area. The project will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods. The project will capture over 650 million gallons (1,995 acre-ft) annually.	650	1,995	\$10,000,000
7	Rancho Park Golf Course Stormwater Capture and Use	This project will capture stormwater from the surrounding area for infiltration and irrigation use at the park and golf course. In addition, recycled water from a satellite wastewater plant will be produced to supplement the park and golf course irrigation uses. The project will increase water supply, improve water quality, enhance habitat and environment for healthy communities and neighborhoods. The project will capture and produce over 66 million gallons (202 acre-ft) annually.	66	202	\$10,000,000
8	Silver Lake Wetlands and Water Multi-use Facility	This project will restore lake to be able capture, clean and use stormwater with wetlands and bio-filter vegetated system. The cleanse water will be for beneficial uses near and adjunct to the site. The project will increase water supply, improve water quality, provide for open space, enhance habitat and environment for healthy communities and neighborhoods. The project will capture over 38 million gallons (117 acre-ft) annually.	38	117	\$28,000,000
9	Whitnall Gardens Greenway Stormwater Capture	This project proposes to capture rainwater capturing stormwater runoff at several locations along existing power line and directing flow into a network of swales, culverts, hydrodynamic separators and infiltration basins for pre-treatment and infiltration. Projects combined are expected to increase regional annual average stormwater capture of over 37 million gallons (113 acre-feet).	37	113	\$5,000,000
10	Tujunga Spreading Grounds Upgrade	This project will upgrade the Tujunga Spreading Grounds includes consolidating and deepening existing spreading basins, installing two high-flow rubber dam intakes, and modifying the existing intake to remove sediments. Project expected to increase regional annual average stormwater recharge of over 2.6 billion gallons (8,000 acre-feet).	2,607	8,000	\$8,000,000
11	Branford Spreading Basin Upgrade	This project will upgrade the Branford Spreading Grounds includes installing pump to divert water from the Branford Basin into the Tujunga Spreading Grounds. Project expected to increase regional annual average stormwater recharge of over 163 million gallons (500 acre-feet).	163	500	\$1,000,000
12	Van Norman Stormwater Capture	This project will refurbish the Van Norman Complex includes installing a pipeline from the Van Norman Complex to convey captured stormwater to Pacoima Spreading Grounds. Project expected to increase regional annual average stormwater capture of over 1.3 billion gallons (4,200 acre-feet).	1,368	4,200	\$1,200,000
13	Valley Generating Station Stormwater Capture	The project includes capturing and directing stormwater runoff through a series of recharge basins, swales and overflow culverts to strategic points on-site. Project expected to increase regional annual average stormwater capture of over 38 million gallons (118 acre-feet).	38	118	\$1,000,000
14	Canterbury Power Line Easement	The project includes installing a series of stormwater infiltration basins in an existing power line easement. Project expected to increase regional annual average stormwater capture of over 456 million gallons (1,400 acre-feet).	456	1,400	\$800,000
Stormwater Capture subtotal			11,748	37,641	
Total					\$210,130,000

Los Angeles Sanitation and Water & Power Projects/Programs for the CA Water Bond (Prop 1) FY 15-16 Shovel Ready

Chapter 9: Water Recycling					
15	Terminal Island Water Reclamation Plant Advanced Purification Upgrade Project	This project will expand and upgrade Terminal Island Water Redamation Plant to increase the production of advanced treated recycled water for non-potable use in the San Pedro area. Project expected to produce over 3 billion gallons (10,000 acre-feet) annually.	3,000	10,000	\$60,000,000
Total					\$60,000,000
Stormwater and Recycled Water Total			14,748	47,641	
Grand Total					\$270,130,000

Los Angeles Sanitation List of Potential Projects/Programs for the CA Water Bond (Prop 1)

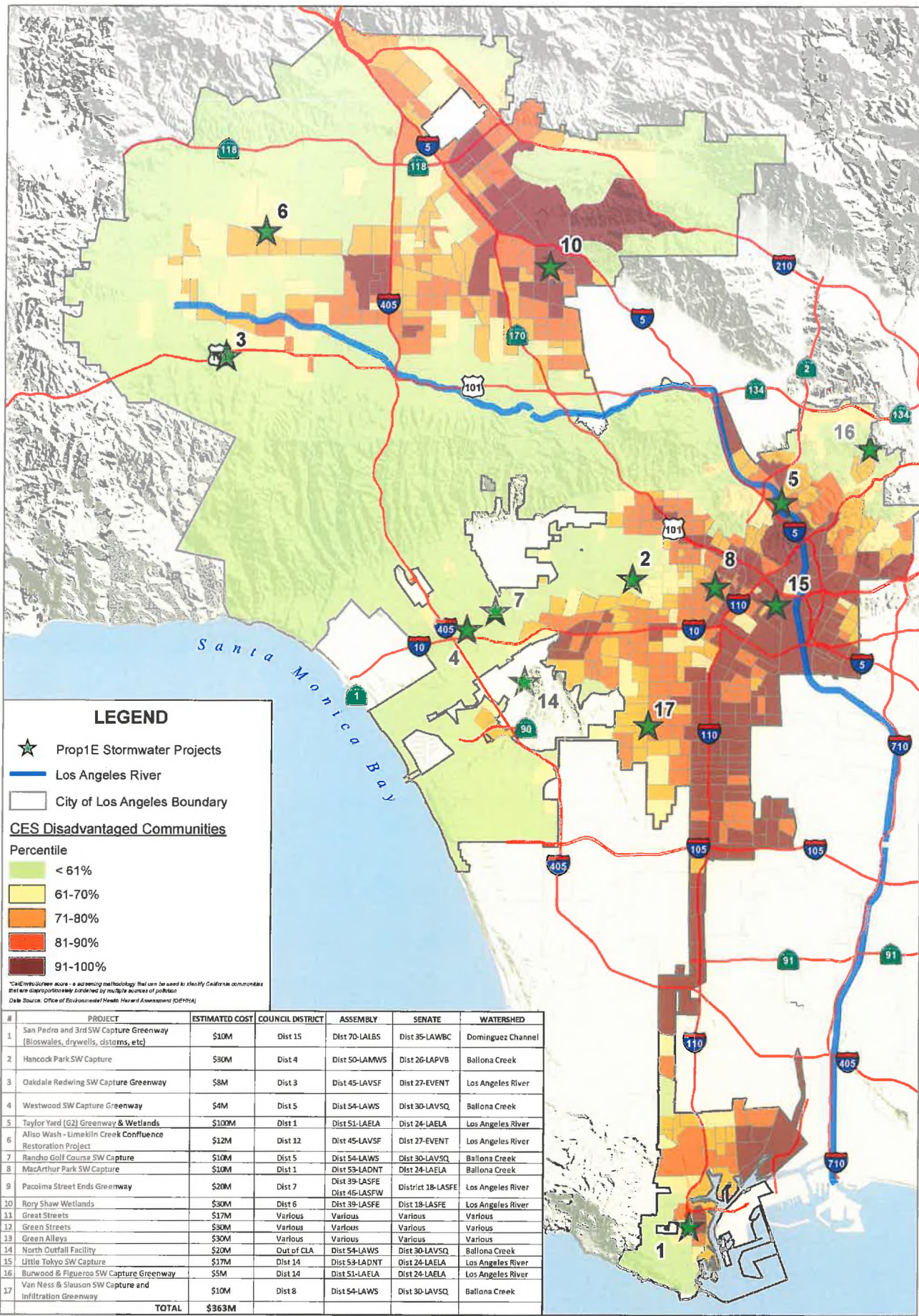
Chapter 6: Watershed Protection			
Chapter 7: Integrated Regional Water Management, Water Conservation and Stormwater Capture			
No.	Project Name	Project Description	Estimated Total Project Costs
1	Citywide Rainwater Harvesting Program	The program will harvest rainwater at homes and businesses to use for irrigation and other portable uses and to recharge the groundwater. Pilot projects were implemented in the Mar Vista area and Valley area conducted jointly by the City of Los Angeles Bureau of Sanitation and Department of Water and Power. The pilot project provided over 900 rain barrels/rain gardens to home owners in the City of Los Angeles. The pilot was so successful that now can be implemented City-wide. City-wide implementation has the potential to capture over 3 billion gallons (10,000 acre-feet) of rainwater for irrigation and other uses.	\$15,000,000
2	Citywide Rainwater Capture Direct Portable Use Program (Parks and other Public Facilities)	The program will harvest rainwater for direct potable uses at parks and other public use facilities including rest rooms. Policies and regulations will need to be reviewed to allow this uses. The project can be initiated working with regulatory agencies such as the State Water Resources Board, Regional Water Quality Control Board, the Health Department, and local Building and Safety department. The direct implementation City-wide has the potential to capture over 2 billion gallons (7,000 acre-feet) for direct potable uses.	\$11,000,000
3	Green Street Rainwater Capture and Use Program	The program will utilize City's Green Street Standard plans to implement green street elements to capture and infiltrate rainwater and urban runoff on select streets in the public parkway right-of-way. The green streets will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$33,000,000
4	Green Alleys Rainwater Capture and Use Program	The program will implement green elements to capture and infiltrate rainwater and urban runoff on select alleys in the public right-of-way of South LA and Northeast SFV areas. The green alleys will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$30,000,000
5	Great Street Greenway Rainwater Capture and Use Program	The project will implement greenway elements to capture and infiltrate rainwater and urban runoff on fifteen (15) Great Streets in the public right-of-way. The Great Streets is part of the Mayor's initiative to focus on developing streets that activate the public realm, provide economic revitalization, and support great neighborhoods that creates a more sustainable and livable city.	\$17,000,000
6	Ballona Creek Stormwater Capture and Use (NOTF site)	This project will capture, clean and use runoff from Ballona Creek. Up to 40 million gallons a day will be capture for beneficial uses near the site and at the Ballona wetlands. The project will improve water quality, argument water supply, and enhance habitat and environment.	\$23,000,000
7	Mar Vista Oval Streets Stormwater Greenway Project	The project will capture and infiltrate stormwater a series of vegetated swales constructed on the parkways to recharge the groundwater and provide for irrigation uses. It is a historical street located in the Mar Vista area of West Los Angeles. The project will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$13,000,000
8	Aliso Wash-Limekiln Creek Confluence Restoration and Stormwater Greenway Project	This project will capture, clean and infiltrate runoff in public green spaces. It will also create a riparian woodland and wetland habitat. It will also provide for removal of exotic plants, trail improvements and other park amenities. The project will increase water supply, improve water quality, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$12,000,000
9	Little Tokyo Stormwater Capture and Use (4th Street/Santa Fe)	The project will capture, infiltrate, and use stormwater with serious of parkway vegetated swales and cisterns to recharge the groundwater and provide for irrigation uses to provide a sustainable Little Tokyo as part of the EcoDistricts Target Cities initiative. The project will increase water supply, improve water quality, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$17,000,000
10	Hollenbeck Park Lake Stormwater Capture and Use	This project will restore lake to be able capture, clean and use stormwater with wetlands and bio-filter vegetated system. The cleanse water will be for beneficial uses near and adjunct to the site. The project will increase water supply, improve water quality, enhance habitat and environment for healthy communities and neighborhoods.	\$25,000,000
11	MacArthur Park Lake Stormwater Capture and Use	This project will restore lake to be able capture, clean and use stormwater with wetlands and bio-filter vegetated system. The cleanse water will be for beneficial uses near and adjunct to the site. The project will increase water supply, improve water quality, enhance habitat and environment for healthy communities and neighborhoods.	\$25,000,000
12	Rancho Park Golf Course Stormwater Capture and Use	This project will capture stormwater from the surrounding area for infiltration and irrigation use at the park and golf course. The cleanse water will be for beneficial uses near and adjunct to the site. The project will increase water supply, improve water quality, enhance habitat and environment for healthy communities and neighborhoods.	\$26,000,000
13	Silver Lake Wetlands and Water Multi-use Facility	This project will restore lake to be able capture, clean and use stormwater with wetlands and bio-filter vegetated system. The cleanse water will be for beneficial uses near and adjunct to the site. The project will increase water supply, improve water quality, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$28,000,000
14	Rancho Cienega Park Stormwater Capture and Use	The project will construct stormwater infiltration and bio-filter system in the Park and the parking lot that will cleanse and infiltrate storm water directly and from the adjacent paved areas. In addition to water quality and supple benefits, this project provide a safe community special events at a highly used and underserved community recreation center.	\$17,000,000
15	LaBrea Greenway and Gilliam Park Stormwater Capture and Use Project	The project will capture stormwater from the surrounding area for infiltration and irrigation use at the park in the La Cienega area in West Los Angeles. The project will also conserve water as the captured volume is reused for the irrigation of turf during the dry season. The project will increase water supply, improve water quality, decrease floods, enhance habitat and environment for healthy communities and neighborhoods.	\$9,000,000
16	Valley Sod Farm Stormwater Capture and Use	The project will construct stormwater infiltration gallery and biofilter greenway to cleanse, use and infiltrate storm water directly to a sod farm in the SFV. The project will increase water supply, improve water quality, enhance habitat and environment for healthy communities and neighborhoods.	\$23,000,000
17	Van Ness/Slauson Area Stormwater Infiltration Project	The project will capture and infiltrate stormwater is to recharge the groundwater using of series of bio-filter vegetated swales and dry-wells system in the South Los Angeles area. The project will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$10,000,000

Los Angeles Sanitation List of Potential Projects/Programs for the CA Water Bond (Prop 1)

18	Pacoima Wash Street Ends Stormwater Greenway Project	Project will capture stormwater with a infiltration and bio-filter vegetated swales system at serious of street ends along Pacoima Wash. The stormwater greenway will further expand and enhance a non-motorized transitway for bike, stroller, jogging and pedestrian uses. The project will increase water supply, improve water quality, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$20,000,000
19	Foothill/Hubbard Stormwater Greenway Project	Project will capture stormwater with a infiltration and bio-filter vegetated swales system and cistern in City owned vacant lot near Foothill Blvd and Hubard Street. The project will create a Green street with a preferred shaded and infiltrative cross-section along Foothill Blvd. The stormwater greenway will further expand and enhance a non-motorized transitway for bike, stroller, jogging and pedestrian uses. The project will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$6,000,000
20	Sheldon/Arieta Stormwater Greenway Project	Project will capture stormwater with a infiltration and bio-filter system in the parkway within the Sheldon and Arieta streets right-of-way. The project will create a Green street with a preferred shaded and infiltrative cross-section south of Highway 5 to Roscoe Blvd., and from Sheldon to the Tujunga Wash. The stormwater greenway will further expand and enhance a non-motorized transitway for bike, stroller, jogging and pedestrian uses. The project will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$6,000,000
21	Rory Shaw Wetlands Park	The project will capture, infiltrate and use stormwater in the Sun Valley Watershed. Up to 900 acre-ft annually will be capture for beneficial uses near the site. The project will improve water quality, argument water supply, reduce floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$50,000,000
22	Taylor Yard (G2) Stormwater Greenway and Wetlands Project	This project will capture, clean and use stormwater with wetlands and bio-filter vegetated system. The cleanse water will be for beneficial uses near and adjunct to the site. The project will improve water quality, argument water supply, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$100,000,000
23	Stormwater Capture High Priority Areas Program	This program will capture stormwater for infiltration and other beneficial uses at high priority areas for water quality through the city at an annual cost of \$100M for 5 years totaling \$500M. The program will improve water quality, argument water supply, provide for open space, enhance habitat and environment for healthy communities and neighborhoods. The program will increase water supply, improve water quality, decrease floods, provide for open space, enhance habitat and environment for healthy communities and neighborhoods.	\$500,000,000
24	Tujunga Spreading Grounds	This project will improve the current Tujunga Spreading Ground to allow more stormwater to be capture for percolation into the ground water supply from the Tujunga Wash in the San Fernando area.	\$30,000,000
25	Hancock Park Stormwater and Flood Management Project	This program will capture stormwater for percolations and use at the park of flood prone area.	\$30,000,000
26	San Pedro/3rd and Grand Stormwater Capture and Flood Management Project	This program will capture stormwater for percolations and use at the adjunct sites of flood prone area.	\$10,000,000
27	Stormwater Capture Flood Management Areas Program	This program will capture stormwater for percolations into the ground and other beneficial uses at flood prone areas through the city at an annual cost of \$20M for 5 years totaling \$100M.	\$100,000,000
Total			\$1,186,000,000
Chapter 9: Water Recycling			
28	Terminal Island Water Reclamation Plant Advanced Purification Upgrade Project	This project will expand and upgrade Terminal Island Water Reclamation Plant to increase the production of advanced treated recycled water for non-potable use in the San Pedro area.	\$60,000,000
29	Tillman Water Reclamation Plant Advanced Purification Upgrade and Ground Water Recharge Project	This project will expand and upgrade Tillman Water Reclamation Plant to increase the production of advanced treated recycled water for non-potable use in the San Fernando Valley area.	\$400,000,000
30	Hyperion Treatment Plant Recycled Water Expansion	This project will expand and upgrade Hyperion Treatment Plant to increase the production of recycled water for non-potable use.	\$500,000,000
31	OWTS Elimination Program	This project will eliminate or connect cesspools and other substandard septic systems to sewer to prevent pollution from reaching into the city's groundwater and surface water supply.	\$500,000,000
32	East West Valley Interceptor Sewer (EWWIS) Project	This project will construct a 30 inch sewer line to transfer sewer flows 6 miles from East Valley to Donald C. Tillman Water Reclamation Plant (DCTWRP) for increasing recycle water production for Groundwater Recharge (GWR) and other recycle water uses in the San Fernando Valley.	\$135,000,000
33	Citywide Low-Flow Urban Runoff Capture Program	This program will divert low-flow urban runoff to the City's POTWs to equalize and increase recycled water production for Groundwater Recharge (GWR) and other water uses.	\$150,000,000
Total			\$1,745,000,000
Grand Total			\$2,931,000,000

\$300M Available Stormwater from 1E

Number	Project Description	Estimated Cost
1	San Pedro and 3 rd SW Capture Greenway (bioswales, drywells, cisterns, etc.)	\$10M
2	Hancock Park SW Capture	\$30M
3	Van Ness/Slauson SW Capture and Infiltration Greenway	\$10M
4	Little Tokyo SW Capture	\$17M
5	Burwood and Figueroa SW Capture Greenway	\$5M
6	Westwood SW Capture Greenway	\$4M
7	Taylor Yard (G2) Greenway and Wetlands	\$100
8	Rancho Golf Course SW Capture	\$10M
9	McArthur Park SW Capture	\$10M
10	Oakdale redwing SW Capture Greenway	\$8M
11	Alison Wash-Limekiln Creek restoration SA Capture Greenway	\$12M
12	Rory Shaw Wetlands	\$30M
13	Pacoima Street Ends Greenways	\$20M
14	Green Alleys (in south LA and NE San Fernando Valley)	\$30M
15	Green Streets (in South LA and NE San Fernando Valley)	\$30M
16	Great Streets SW Capture Greenway	\$17M
17	North Outfall Facility	\$20M
	Total	\$287M



LEGEND

- ★ Prop1E Stormwater Projects
- Los Angeles River
- City of Los Angeles Boundary

CES Disadvantaged Communities

Percentile

- < 61%
- 61-70%
- 71-80%
- 81-90%
- 91-100%

*CES Disadvantaged Communities score - a screening methodology that can be used to identify California communities that are disproportionately burdened by the adverse effects of pollution.
Data Source: Office of Environmental Health Assessment (OEHA)

#	PROJECT	ESTIMATED COST	COUNCIL DISTRICT	ASSEMBLY	SENATE	WATERSHED
1	San Pedro and 3rd SW Capture Greenway (Bioswales, drywells, ditches, etc)	\$10M	Dist 15	Dist 70-LALBS	Dist 35-LAWBC	Dominguez Channel
2	Hancock Park SW Capture	\$30M	Dist 4	Dist 50-LAMWS	Dist 26-LAPVB	Ballona Creek
3	Dakdale Redwing SW Capture Greenway	\$8M	Dist 3	Dist 45-LAVSF	Dist 27-EVENT	Los Angeles River
4	Westwood SW Capture Greenway	\$4M	Dist 5	Dist 54-LAWS	Dist 30-LAVSQ	Ballona Creek
5	Taylor Yard (G2) Greenway & Wetlands	\$100M	Dist 1	Dist 51-LAELA	Dist 24-LAELA	Los Angeles River
6	Aliso Wash - Limestone Creek Confluence Restoration Project	\$12M	Dist 12	Dist 45-LAVSF	Dist 27-EVENT	Los Angeles River
7	Rancho Golf Course SW Capture	\$10M	Dist 5	Dist 54-LAWS	Dist 30-LAVSQ	Ballona Creek
8	MacArthur Park SW Capture	\$10M	Dist 1	Dist 53-LADNT	Dist 24-LAELA	Ballona Creek
9	Pacoima Street Ends Greenway	\$20M	Dist 7	Dist 39-LASFE	Dist 18-LASFE	Los Angeles River
10	Rory Shaw Wetlands	\$30M	Dist 6	Dist 39-LASFE	Dist 18-LASFE	Los Angeles River
11	Great Streets	\$17M	Various	Various	Various	Various
12	Green Streets	\$30M	Various	Various	Various	Various
13	Green Alleys	\$30M	Various	Various	Various	Various
14	North Outfall Facility	\$20M	Out of CLA	Dist 54-LAWS	Dist 30-LAVSQ	Ballona Creek
15	Little Tokyo SW Capture	\$17M	Dist 14	Dist 53-LADNT	Dist 24-LAELA	Los Angeles River
16	Burwood & Figueroa SW Capture Greenway	\$5M	Dist 14	Dist 51-LAELA	Dist 24-LAELA	Los Angeles River
17	Van Ness & Stauson SW Capture and Infiltration Greenway	\$10M	Dist 8	Dist 54-LAWS	Dist 30-LAVSQ	Ballona Creek
TOTAL		\$363M				

**CITY OF LOS ANGELES PROPOSITION 1E
Stormwater Projects**

DRAWN BY: NH	DATE CREATED: 4-13-15	CHECKED BY: SK	DATE REVISED:	ENRIQUE C. ZALDIVAR DIRECTOR BUREAU OF SANITATION
FILE LOC: GIS_Usage/ WCD/Projects/ Management/Requests/ Prop1E_Stormwater	This map shall not be copied or reproduced, in whole or in part, without the prior written permission of the Dept. of Public Works, City of Los Angeles. <small>This map data provided with permission granted by THOMAS BROSIG MAP</small>			SHAHRAM KHARAGHANI PROGRAM MANAGER WATERSHED PROTECTION DIVISION



LA SANITATION STORMWATER GREEN INFRASTRUCTURES CAPITAL PROGRAM
For CA State Water Bond (Prop 1)

Project Name	15-16	16-17	17-18	18-19	19-20	20-21	Total
1 3rd Street Green Street	350,000	1,850,000	75,000				2,275,000
2 4th St & Santa Fe Priority Greenway + Sustainable Little Tokyo	1,750,000	750,000	1,425,000	5,650,000	6,750,000	255,000	16,580,000
3 51st St. Vereda Urban Runoff Use		35,000	15,000	28,500	258,900		337,400
4 6th Street Greenway	1,300,000	350,000	37,000				1,687,000
5 Aliso Wash - Limekiln Creek Confluence Greenway	8,300,000	2,800,000	300,000				11,400,000
6 Arleta Ave & Tonopah Street Greenway	500,000	5,050,000	75,000				5,625,000
7 Avalon Green Alley North Phase II	1,300,000	1,300,000	40,000				2,640,000
8 Ballona Creek Stormwater Capture and Use (NOTF site)	9,500,000	13,000,000	800,000				23,300,000
9 Bradley Plaza Green Alley	1,300,000	1,300,000	40,000				2,640,000
10 Branford Street & Sharp Greenway				200,000	900,000	3,400,000	4,500,000
11 Bromont Ave & Maclay Greenway		400,000	1,300,000	2,350,000	75,000		4,125,000
12 Caballero Creek Wetland Greenway	3,200,000	550,000	75,000				3,825,000
13 Canterbury Power Line Easement Greenway		1,300,000	1,300,000				2,600,000
14 Chase St. Priority Greenway + Bull Creek Park	313,740	134,460	255,380	2,343,620	45,685		3,092,885
15 Citywide Rainwater Capture Direct Portable Use Program	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	7,800,000
16 Citywide Rainwater Harvesting Program	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000
17 De La Torre Greenway		308,000	132,000	778,800	1,750,300		2,969,100
18 Del Rey Lagoon Water Quality Improvement Project	210,485	702,000	529,345	75,000			1,516,830
19 Edward Vincent Jr. Park Stormwater Capture and Use		100,000	4,800,000	75,000			4,975,000
20 El Dorado Street Greenway	900,000	1,300,000	45,000				2,245,000
21 Foothill Blvd & Hubbard Street Greenway	500,000	2,250,000	2,250,000	120,000			5,120,000
22 Gladstone Ave Greenway	900,000	1,300,000	45,000				2,245,000
23 Glendora-Nettleton Stormwater Infiltration Greenway	1,300,000	1,300,000	37,000				2,637,000
24 Great Streets Greenway Program	800,000	2,500,000	2,500,000	800,000	2,500,000	2,500,000	11,600,000
25 Green Streets Rainwater Capture and Use Program	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000
26 Herman Park Lower Urban Runoff Use		522,900	224,100	425,790	3,867,965		5,040,755
27 Herman Park Upper Urban Runoff Use		490,000	210,000	399,000	3,624,600		4,723,600
28 Hollenbeck Park Lake Stormwater Capture and Use	500,000	6,000,000	6,000,000	6,000,000	6,000,000		24,500,000
29 Humboldt St. Priority Greenway	252,000	108,000	208,800	1,864,080	36,720		2,469,600
30 Jefferson Greenway Alley (Jefferson Ave. & 41st st/Hooper Ave)	1,300,000	1,300,000					2,600,000
31 La Vista de Palmetto St. Urban Runoff Use	756,000	324,000	583,600	5,624,100	110,300		7,398,000
32 LaBrea Greenway and Gilliam Park Stormwater Capture and Use	5,800,000	2,500,000	150,000				8,450,000
33 Lincoln Heights Urban Runoff Use	546,000	234,000	444,600	4,038,800	79,600		5,343,000
34 Lincoln Park Lake Stormwater Capture and Use			200,000	1,100,000	2,700,000	15,700,000	19,700,000
35 Los Liones Canyon Greenway	410,000	2,410,200	75,000				2,895,200
36 Los Senderos de Longfellow St. Urban Use		28,700	12,300	23,300	212,200		276,500
37 MacArthur Park Lake Stormwater Capture and Use			1,400,000	2,700,000	5,700,000	15,700,000	25,500,000
38 MacArthur Park Storm Drain Daylighting and Stormwater Capture and Use		360,000	793,600	1,404,000	5,344,560		7,902,160
39 Mandeville Canyon Stormwater Capture	100,000	4,800,000	75,000	0			4,975,000
40 Mar Vista St/Sepulveda Channel Stormwater Capture and Use	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000		12,500,000
41 Marina del Rey Greenway	400,000	351,000	874,206				1,625,206
42 Marine Op Greenway		144,200	61,800	117,355	1,066,600		1,389,955
43 National Boulevard Greenway	950,000	1,110,000		8,073,000	3,978,000		14,111,000
44 Noble Street Greenway	900,000	1,300,000					2,200,000
45 Northeast SFV Green Alleys	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000
46 Northeast SFV Infiltration Trees Greenway	550,000	550,000	550,000	550,000	550,000	550,000	3,300,000
47 Occidental Blvd Green Street		100,000	4,800,000	75,000			4,975,000
48 Pacoima Wash and Plummer Street Greenway	500,000	500,000	1,250,000	5,700,000			7,950,000
49 Pico Green Street	3,000,000	450,000	37,000				3,487,000
50 Pico-Kenter/Brentwood Stormwater Capture and Use		100,000	3,750,000	75,000			3,925,000
51 Rancho Cienega Green Parking Lot	3,000,000	37,000					3,037,000
52 Rancho Cienega Park Stormwater Capture and Use		524,000	1,536,000	2,340,000	9,711,000		14,111,000
53 Riveriera Stormwater Capture Use		500,000	6,500,000	6,500,000			13,500,000
54 San Fernando Road Swales Greenway		300,000	300,000	1,300,000	1,300,000	1,300,000	4,200,000
55 Santa Fe Depot Urban Runoff Use	798,000	342,000	900,000	5,665,000	104,000		7,809,000
56 Sepulveda Channel Urban Runoff Use	434,320	451,480	3,169,529	2,012,400	75,000		6,142,729
57 Sheldon Street and Arelta Street Greenway	602,000	258,000	490,200	4,452,450	87,720		5,890,370
58 Slauson Infiltration Greenway	750,000	750,000	850,000	750,000	750,000	850,000	4,700,000
59 South Los Angeles Green Alleys	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000
60 South Los Angeles Infiltration Trees Greenway	550,000	550,000	550,000	550,000	550,000	550,000	3,300,000
61 Studio City Wetlands Park					3,000,000	31,500,000	34,500,000
62 Sycamore Grove Park Urban Runoff Use		679,420	291,180	553,300	5,025,700		6,549,600
63 Triangle Park Green Alley	1,350,000	1,350,000	75,000				2,775,000
64 Valley Sod Farm Stormwater Capture and Use				500,000	11,500,000	11,500,000	23,500,000
65 Van Nuys Boulevard Median Stormwater Infiltration Greenway			300,000	1,300,000	1,300,000	1,300,000	4,200,000
66 Verdugo Hills Stormwater Natural Park					3,000,000	21,500,000	24,500,000
67 Vermont Avenue Green Streets and Stormwater Capture Project	743,243	1,170,000	3,177,972	2,410,000	85,000		7,586,215
68 Vermont Square Park Stormwater Infiltration Project	308,480	900,900	903,708				2,113,088
69 Victory-Encino Stormwater Infiltration Greenway	1,300,000	1,300,000	37,000				2,637,000
70 Victory-Goodland Median Stormwater Infiltration Greenway			300,000	1,300,000	1,300,000	1,300,000	4,200,000
71 Vinega Hill Green Street	800,000	37,000					837,000
72 Vista Street Green Street	2,500,000	450,000	37,000				2,987,000
73 Westwood Neighborhood Greenway Project		250,000	2,350,000	800,000	75,000		3,475,000
74 Whitnall Highway Power line Easement/Whitnall Gardens Greenway		1,300,000	1,300,000	37,000			2,637,000
75 Wilmington Park Paseo Greenway		79,240	33,960	64,500	586,050		763,750
76 Wilshire Center Green Street	3,000,000	450,000	37,000				3,487,000
77 Wilmington Green Alley	350,000	1,350,000	75,000				1,775,000
78 Rancho Prak Golf Course Stormwater Capture			1,500,000	3,000,000	6,000,000	15,000,000	25,500,000
79 Silver Lake Reservoir	1,000,000	1,000,000	8,000,000	8,000,000	10,000,000		28,000,000
80 Oakdale Redwing Stormwater Capture	5,185,450						5,185,450
81 San Pedro 3rd Street Stormwater Capture	1,474,942						1,474,942
82 Burwood S/O Figueroa St Stormwater Capture	1,450,419						1,450,419
83 Watts Tower Stormwater Capture	2,937,554						2,937,554
84 Weir Street Stormwater Capture		496,351					496,351
85 Martel Avenue (Melrose Ave to Clinton St) Stormwater Capture		834,330					834,330
86 Beverlywood Street Stormwater Capture		548,137					548,137
87 Sepulveda Blvd & La Tijera Blvd Stormwater Capture			1,146,690				1,146,690
88 Coldwater Canyon (Landale St to LA River) Stormwater Capture			3,190,730				3,190,730
89 Oro Vista Ave (Haines Canyon Channel to Foothill Blvd) Stormwater Capture			2,561,900				2,561,900
Green Infrastructures Project Total	90,722,633	91,670,318	91,188,600	105,924,995	113,799,900	134,205,000	627,511,446

