

Project Scoring Criteria Framework

The following describes project scoring criteria for the Safe, Clean Water Program. The Scoring Criteria within this framework is meant to evaluate the merit of every project on an uniform set of scoring criteria. The actual selection of projects that have been scored through this criteria is a function of governance. The role of the selection process is to make sure that the suite of projects selected meet the goals of the Safe, Clean Water Program. Individual project scores are meant to inform the Selection Process, but project scores alone will not be the deciding factor for selection of a project for funding.

I. Overarching Project/Program Criteria

Types of Benefits (Definitions)

- Water supply – Increase in the amount of locally available water. Activities resulting in this benefit include but are not limited to the following, provided there is a nexus to stormwater capture or urban runoff diversion:
 - Reuse and conservation practices
 - Water recycling
 - Increased groundwater replenishment, storage or available yield
- Water quality – Consistent improvement in the chemical, physical, and biological characteristics of stormwater and urban runoff and/or protections of these characteristics in surface waters, rivers, creeks, lakes, streams and the marine environment. Activities resulting in this benefit include but are not limited to:
 - Infiltration or treatment of stormwater runoff
 - Non-point source pollution control
 - Diversion of urban runoff or stormwater to sanitary sewer system
- Community enhancements - A benefit in addition to water supply or water quality, including but not limited to:
 - Improved flood management and flood risk mitigation
 - Creation of parks and wetlands, or restoration of habitat and wetlands
 - Reduction of urban heat island effect, carbon reduction/sequestration, or improved air quality
 - Improved public access and/or enhanced or new recreational opportunities
 - Greening of schools, or green waste reduction/diversion

Funding Program Requirements

Regional Program

- Projects submitted for consideration through the Safe, Clean Water Program do not have to be part of an existing plan. Projects from existing plans as well as new concepts will have equal opportunity for consideration; however existing planned projects will still need to be run through the Safe, Clean Water Program Project Selection Criteria.
- All regional projects must be multibenefit and provide two or more of the following benefits: Water Supply, Water Quality, and Community Enhancement
- All projects must be watershed-based and ~~must impact a combined tributary area exceeding one hundred (100) acres of land,~~ and/or provide benefits to more than one Municipality / EWMP Group / etc.
- As a default, Regional Program projects will be designed, constructed, and operated and maintained by FCD in partnership with project proponents, unless another jurisdiction has the capabilities to take on this role.
- Regional Program Funds restrictions are as follows:
 - Not less than TBD% of Regional Program funds will be used to benefit DACs (where applicable)

Municipal Program

- All Municipal projects must be multibenefit and provide two or more of the following benefits: Water Supply, Water Quality, and Community Enhancement.
- An exception to this requirement may be made for municipal level single-purpose water quality projects

FCD Program

- All FCD projects must be multi-benefit and provide two or more of the following benefits: Water Supply, Water Quality, and Community Enhancement

II. Project Prioritization Criteria (Scoring)

Regional Program projects will be scored using the following framework:

Section	Score Range	Scoring Standards
A. Significant Water Supply Benefits	TBD points max	The project provides water supply benefits
	Yes / No	A1. Project provides Water Supply benefits as defined above and results in a significant increase in local water supply of > 25 acre feet per year (includes offsetting existing potable water use through capture/on-site reuse or reduction in required irrigation).
	TBD points max (If A1 = Yes Only)	A2. Water Supply Cost Effectiveness. The total life-cycle cost* per unit of acre foot of stormwater captured for water supply is awarded as follows: <ul style="list-style-type: none"> • >\$2000/ac-ft = TBD pts • \$1000-2000/ac-ft = TBD pts • <\$1000/ac-ft = TBD pts
	TBD points max (If A1 = Yes Only)	A3. Water Supply Benefit Magnitude. The additional water supply resulting from the project is as follows: <ul style="list-style-type: none"> • >50 ac-ft/year = TBD pts • >100 ac-ft/year = TBD pts • >500 ac-ft/year = TBD pts
	TBD points max	A4. Project utilizes Nature Based Solutions to achieve the water supply benefits
B. Significant Water Quality Benefits	TBD points max	The project provides water quality benefits
	Yes/No	B1. Project provides Water Quality benefits as defined above and addresses pollutants of concern.
	TBD points max (If B1 = Yes Only)	B2. Water Quality Cost Effectiveness. The (ac-ft Volume of stormwater managed in a 24-hour period)** / (Life-Cycle Cost* in \$Millions) is awarded as follows: <ul style="list-style-type: none"> • <0.49 = TBD pts • 0.99-0.5 = TBD pts • >1.0 = TBD pts
	TBD points max (If B1 = Yes Only)	B3. Water Quality Benefit Magnitude. Quantify the pollutant reduction for the controlling pollutants identified in appropriate E/WMP using the LACFCD's Watershed Management Modeling System. The analysis should be an average reduction over a ten year period showing the impact of the project. <ul style="list-style-type: none"> • <50% = TBD pts • 74-50% = TBD pts • >75% = TBD pts
	TBD points max	B4. Project utilizes Nature Based Solutions to achieve the water quality benefits
C. Community Enhancement Benefits	TBD points max	The project provides community enhancement benefits
	TBD points	C1. Project provides community enhancement benefits directly to and within a disadvantaged community
	TBD points	C2. Project has at least one of the Community Enhancement benefits defined above
	TBD points	C3. Project has at least two of the Community Enhancement benefits defined above
D. Leveraging Funds & Readiness for Implemen- tation	TBD points max	The project achieves one or more of the following:
	TBD points max	D1. Cost-Share. Additional Funding has been awarded for the project. <ul style="list-style-type: none"> • >25% Funding Matched = TBD pts • >50% Funding Matched = TBD pts
	TBD points	D2. The project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.
	TBD points	D3. Project will begin construction within 18 months
Total	Total Points All Sections TBD	

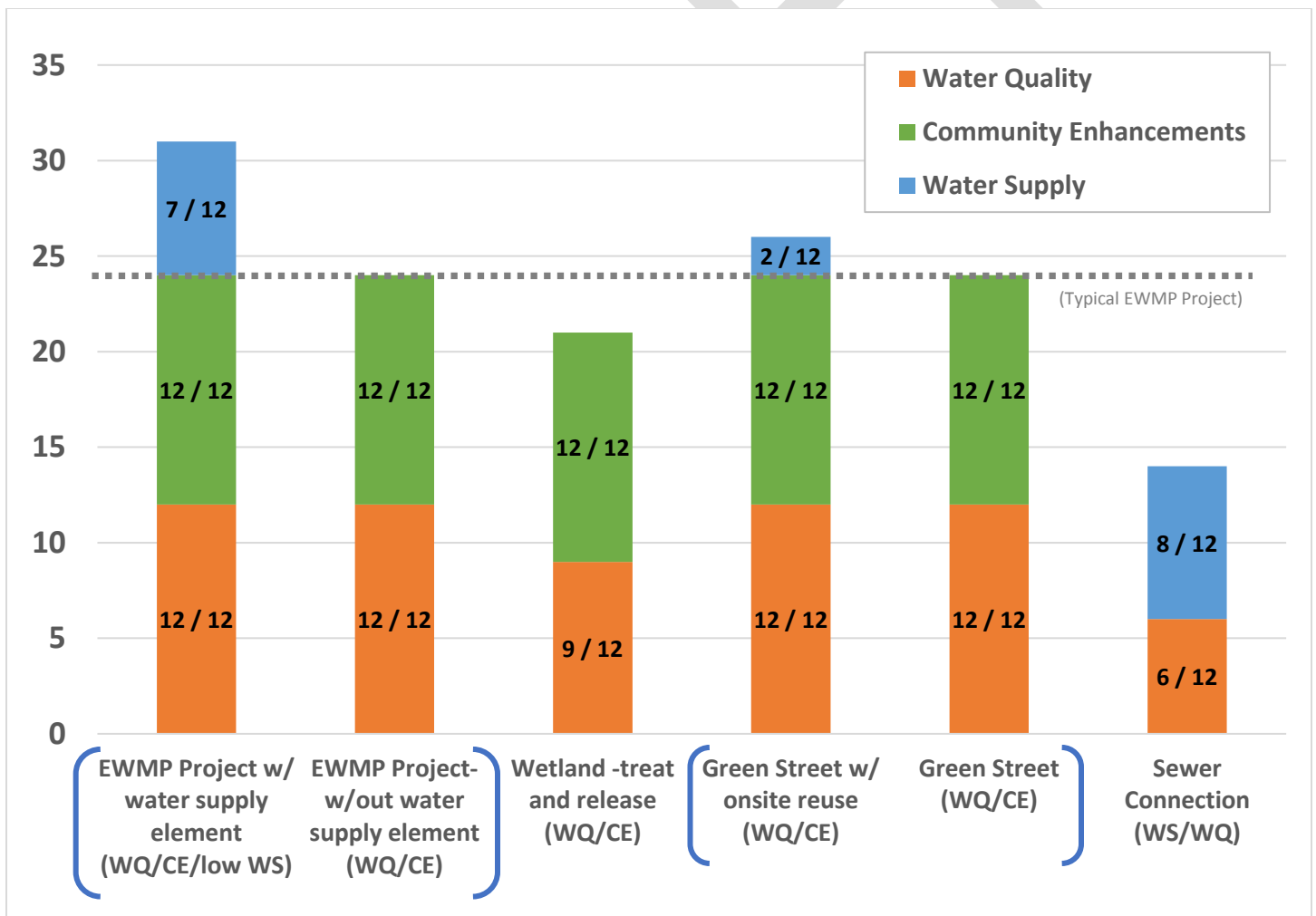
*Total Life-Cycle Cost: The Present Value of all planning, design, land acquisition, construction, and total life O&M costs for the project for the entire life span of the project (eg. 50-year design life span)

**Management of the 24-hour event is considered the maximum capacity of a project for a 24-hour period. For water quality focused projects, this would typically be the 85th percentile design storm capacity.

III. Project Scoring Criteria: Eligible Project Types


The project scoring criteria has been applied to prototypical projects that would be eligible for funding by the Safe, Clean Water Program. The scoring criteria equally distributes points between water quality, water supply, and community enhancements.

Project type	Scoring
EWMP Project with water supply element	Features high scores for community enhancement and water quality. Water supply is typically <100 AFY—Mid-range water supply score
EWMP Project without water supply element	Features high scores for community enhancement and water quality. Lacks water supply element
Wetland treat and release	Features high scores for community enhancement and water quality. Inability to capture and treat large storm volumes—Decreased water quality score
Green Street without infiltration	Features high scores for community enhancement and water quality. Small project size with capacity to reuse onsite—Low supply score
Green Street without infiltration	Features high scores for community enhancement and water quality. Lacks water supply element
Sewer Connection	Stormwater capture is minimal as daily dry weather flow is the design element for this type of project—Mid-range scores for water quality





V. Example Projects and Scores

CONCEPT PROJECT



COUNTY OF LOS ANGELES
Department of Public Works

BASSETT HIGH SCHOOL STORMWATER CAPTURE MULTI-BENEFIT PROJECT



The Project will protect the water quality of local rivers and streams, increase the local water supply, and enhance a school community

Located within a disadvantaged community in the City of La Puente, the project would capture and infiltrate urban runoff and stormwater from 875 acres of mostly residential and small commercial land use.

PROJECT FEATURES

- ♣ Diversion structure, pretreatment system, and underground infiltration chambers will capture flows from nearby storm drains and recharge the groundwater.
- ♣ Design capacity of the project is about 38 acre-feet.
- ♣ Enhancements and redesign of existing sports fields, outdoor classroom and educational garden with informational signage.

ESTIMATED COSTS	
Planning	\$860,000
Engineering Design	\$1,100,000
Environmental Compliance	\$80,000
Construction	\$35,000,000
Net Total	\$37,040,000
Annual O&M & Monitoring	TBD

SCHEDULE	
Planning	2016-2017
Final Design	Spring 2019
Advertisement and Award	TBD
Construction Start	TBD
Construction Closeout	TBD

If you have any questions, please contact Paul Alva at palva@dpw.lacounty.gov

Bassett High School EWMP Project

Section	Score Range	Scoring Standards	Bassett High School EWMP	Score Range
A. Significant Water Supply Benefits	TBD points max	The project provides water supply benefits		
	Yes / No	A1. Project provides Water Supply benefits as defined above and results in a significant increase in local water supply of > 25 acre feet per year (includes offsetting existing potable water use through capture/on-site reuse or reduction in required irrigation).	<ul style="list-style-type: none"> 38 ac-ft capacity @ 875 ac tributary Area 266 AFY on average for recharge 	Yes. Move to A2, A3, & A4
	TBD points max (If A1 = Yes Only)	A2. Water Supply Cost Effectiveness. The total life-cycle cost* per unit of acre foot of stormwater captured for water supply is awarded as follows: <ul style="list-style-type: none"> >\$2000/ac-ft = TBD pts \$1000-2000/ac-ft = TBD pts <\$1000/ac-ft = TBD pts 	<ul style="list-style-type: none"> 266 * 50-year = 13,300 AF \$37M + PV(5%*O&M) = \$81.5M \$81.5M / 13,300AF = \$6,130/AF 	Low End of the A2 Score
	TBD points max (If A1 = Yes Only)	A3. Water Supply Benefit Magnitude. The additional water supply resulting from the project is as follows: <ul style="list-style-type: none"> >50 ac-ft/year = TBD pts >100 ac-ft/year = TBD pts >500 ac-ft/year = TBD pts 	<ul style="list-style-type: none"> 266 AFY on average 	Mid Range of the A3 score
	TBD points max	A4. Project utilizes Nature Based Solutions to achieve the water supply benefits	<ul style="list-style-type: none"> Project would use soil infiltration to produce new water supply 	Yes. Full Points for A4
	Total Points Section A:			(TBD)
B. Significant Water Quality Benefits	TBD points max	The project provides water quality benefits		
	Yes/No	B1. Project provides Water Quality benefits as defined above and addresses pollutants of concern.	<ul style="list-style-type: none"> Bassett High School is a water quality focused EWMP project 	Yes. Move to B2, B3, and B4
	TBD points max (If B1 = Yes Only)	B2. Water Quality Cost Effectiveness. The (ac-ft Volume of stormwater managed in a 24-hour period) / (Life-Cycle Cost* in \$Millions) is awarded as follows: <ul style="list-style-type: none"> <0.49 = TBD pts 0.99-0.5 = TBD pts >1.0 = TBD pts 	<ul style="list-style-type: none"> 38 ac-ft / \$37 = 1.03 	High End of the B2 score
	TBD points max (If B1 = Yes Only)	B3. Water Quality Benefit Magnitude. Quantify the pollutant reduction for the controlling pollutants identified in appropriate E/WMP using the LACFCD's Watershed Management Modeling System. The analysis should be an average reduction over a ten year period showing the impact of the project. <ul style="list-style-type: none"> <50% = TBD pts 74-50% = TBD pts >75% = TBD pts 	<ul style="list-style-type: none"> Zinc is controlling pollutant. 50% reduction in zinc load for 10 year average 	Mid Range of the B3 score
	TBD points max	B4. Project utilizes Nature Based Solutions to achieve the water quality benefits	<ul style="list-style-type: none"> Enhancements and redesign of existing sports fields, and educational garden Addresses Urban Heat Island 	Yes. Full Points for B4
	Total Points Section B:			(TBD)

Bassett High School EWMP Project

Section	Score Range	Scoring Standards	Bassett High School EWMP	Score Range
C. Community Enhancement Benefits	TBD points max	The project provides community enhancement benefits		
	TBD points	C1. Project provides community enhancement benefits directly to and within a disadvantaged community	<ul style="list-style-type: none">• Project is located within a disadvantaged community in the City of La Puente.• Provides community enhancmenets for the students and local residents near Bassett High School	Yes. Full Points for C1
	TBD points	C2. Project has at least one of the Community Enhancement benefits defined above	<ul style="list-style-type: none">• New Recreational Opportunities• Reduction of Urban Heat Island• Outdoor classroom and Educational Garden	Yes. Full Points for C2
	TBD points	C3. Project has at least two of the Community Enhancement benefits defined above	<ul style="list-style-type: none">• New Recreational Opportunities• Reduction of Urban Heat Island• Outdoor classroom and Educational Garden	Yes. Full Points for C3
	Total Points Section C:			(TBD)
D. Leveraging Funds & Readiness for Implemen-tation	TBD points max	The project achieves one or more of the following:		
	TBD points max	D1. Cost-Share. Additional Funding has been awarded for the project. <ul style="list-style-type: none">• >25% Funding Matched = TBD pts• >50% Funding Matched = TBD pts	<ul style="list-style-type: none">• Project has received a 50% Match for funding	High End of the D1 score
	TBD points	D2. The project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.	<ul style="list-style-type: none">• Project has worked with stakeholders from the school and the area to address the needs of the community.	Yes. Full Points for D2
	TBD points	D3. Project will begin construction within 18 months	<ul style="list-style-type: none">• Project design will finish in Spring 2019. Construction date TBD	N/A No Points
	Total Points Section D:			(TBD)
Total	Total Points All Sections:			(TBD)

CONCEPT PROJECT



PUBLIC WORKS

LOS ANGELES COUNTY



WATER RESOURCES

Rory M. Shaw Wetlands Park



The Sun Valley Watershed suffers from flooding, stormwater pollution, and a lack of open space.

The Los Angeles County Department of Public Works, on behalf of the Los Angeles County Flood Control District (LACFCD) protects nearly 10 million residents and \$1.2 trillion in property.

The Sun Valley Watershed is a 2,800-acre urban watershed tributary to the Los Angeles River. This underserved community suffers from chronic flooding and stormwater pollution and lacks recreational space and wildlife habitat.

In 2004, the LACFCD developed the Sun Valley Watershed Management Plan to solve the major flooding problem, while retaining all stormwater runoff from the watershed, increasing water conservation, recreational opportunities, and wildlife habitat, and reducing stormwater pollution.

The Rory M. Shaw Wetlands Park Project is identified as a major component of the Sun Valley Watershed Management Plan.

- ❖ The Rory M. Shaw Wetlands Park proposes to convert a 46-acre, engineered, inert landfill into a multi-purpose wetlands park.
- ❖ A storm drain system will be constructed to collect stormwater runoff from a 929-acre drainage area and convey them into the project site.
- ❖ Detention ponds and wetlands will be constructed to capture and treat stormwater runoff to provide water quality enhancement.
- ❖ The treated flows will then be pumped to the adjacent Sun Valley Park for infiltration through existing infiltration basins, providing recharge into the groundwater.
- ❖ The water conservation benefit is expected to be 590 acre-feet per year.
- ❖ The project will also enhance native vegetation, create opportunities for wildlife habitat, and provide an additional 46 acres of open space recreation to a community that is currently underserved for recreational opportunities.
- ❖ The total cost for design and construction is estimated at \$52 million and will be funded by the LACFCD, the Los Angeles Department of Water and Power, and Proposition O grant funds.

For more information, please contact Ms. Angela R. George at (626) 458-4300 or at ageorge@dpw.lacounty.gov.

Rory M. Shaw Wetlands Project

Section	Score Range	Scoring Standards	Rory M. Shaw Wetlands	Score Range
A. Significant Water Supply Benefits	TBD points max	The project provides water supply benefits		
	Yes / No	A1. Project provides Water Supply benefits as defined above and results in a significant increase in local water supply of > 25 acre feet per year (includes offsetting existing potable water use through capture/on-site reuse or reduction in required irrigation).	<ul style="list-style-type: none"> 400 ac-ft capacity @ 929 ac tributary Area 590 AFY on average for recharge 	Yes. Move to A2, A3, & A4
	TBD points max (If A1 = Yes Only)	A2. Water Supply Cost Effectiveness. The total life-cycle cost* per unit of acre foot of stormwater captured for water supply is awarded as follows: <ul style="list-style-type: none"> >\$2000/ac-ft = TBD pts \$1000-2000/ac-ft = TBD pts <\$1000/ac-ft = TBD pts 	<ul style="list-style-type: none"> 590 * 50-year = 29,500 AF \$52M + PV(5%*O&M) = \$ 62M \$ 62M / 29,500 AF = \$ 2,100/AF 	Low End of the A2 Score
	TBD points max (If A1 = Yes Only)	A3. Water Supply Benefit Magnitude. The additional water supply resulting from the project is as follows: <ul style="list-style-type: none"> >50 ac-ft/year = TBD pts >100 ac-ft/year = TBD pts >500 ac-ft/year = TBD pts 	<ul style="list-style-type: none"> 590 AFY on average 	High End of the A3 score
	TBD points max	A4. Project utilizes Nature Based Solutions to achieve the water supply benefits	<ul style="list-style-type: none"> Project would use soil infiltration to produce new water supply 	Yes. Full Points for A4
	Total Points Section A:			(TBD)
B. Significant Water Quality Benefits	TBD points max	The project provides water quality benefits		
	Yes/No	B1. Project provides Water Quality benefits as defined above and addresses pollutants of concern.	<ul style="list-style-type: none"> Rory M. Shaw Wetlands Park provides water quality benefits 	Yes. Move to B2, B3, and B4
	TBD points max (If B1 = Yes Only)	B2. Water Quality Cost Effectiveness. The (ac-ft Volume of stormwater managed in a 24-hour period) / (Life-Cycle Cost* in \$Millions) is awarded as follows: <ul style="list-style-type: none"> <0.49 = TBD pts 0.99-0.5 = TBD pts >1.0 = TBD pts 	<ul style="list-style-type: none"> 10 ac-ft / \$52 = 0.2 	Low End of the B2 Score
	TBD points max (If B1 = Yes Only)	B3. Water Quality Benefit Magnitude. Quantify the pollutant reduction for the controlling pollutants identified in appropriate E/WMP using the LACFCD's Watershed Management Modeling System. The analysis should be an average reduction over a ten year period showing the impact of the project. <ul style="list-style-type: none"> <50% = TBD pts 74-50% = TBD pts >75% = TBD pts 	<ul style="list-style-type: none"> Many pollutants of concern including lead and zinc 100% of stormwater is captured, treated, and infiltrated for a 100% reduction in pollutant loads 	High End of the B3 score
	TBD points max	B4. Project utilizes Nature Based Solutions to achieve the water quality benefits	<ul style="list-style-type: none"> Creating of new open space and wetlands Addresses Urban Heat Island Project improves air quality by replacing an active inert landfill 	Yes. Full Points for B4
	Total Points Section B:			(TBD)

Rory M. Shaw Wetlands Project

Section	Score Range	Scoring Standards	Rory M. Shaw Wetlands	Score Range
C. Community Enhancement Benefits	TBD points max	The project provides community enhancement benefits		
	TBD points	C1. Project provides community enhancement benefits directly to and within a disadvantaged community	<ul style="list-style-type: none">• Project is located within a disadvantaged community in Sun Valley.• Provides active and passive community enhancements	Yes. Full Points for C1
	TBD points	C2. Project has at least one of the Community Enhancement benefits defined above	<ul style="list-style-type: none">• Improved flood management and flood risk mitigation• Creation of habitat and wetlands• Reduction of urban heat island effect through urban greening• Improved public access and new recreational opportunities• Creation of parks and wetlands	Yes. Full Points for C2
	TBD points	C3. Project has at least two of the Community Enhancement benefits defined above	<ul style="list-style-type: none">• Improved flood management and flood risk mitigation• Creation of habitat and wetlands• Reduction of urban heat island effect through urban greening• Improved public access and new recreational opportunities• Creation of parks and wetlands	Yes. Full Points for C3
	Total Points Section C:			(TBD)
D. Leveraging Funds & Readiness for Implemen-tation	TBD points max	The project achieves one or more of the following:		
	TBD points max	D1. Cost-Share. Additional Funding has been awarded for the project. <ul style="list-style-type: none">• >25% Funding Matched = TBD pts• >50% Funding Matched = TBD pts	<ul style="list-style-type: none">• Project has funding match of \$17.8M• \$17.8M/\$52M = 34% match	Low End of the D1 score
	TBD points	D2. The project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.	<ul style="list-style-type: none">• Project has been in planning/development with the community and local NGOs/CBOs since 1998.	Yes. Full Points for D2
	TBD points	D3. Project will begin construction within 18 months	<ul style="list-style-type: none">• Project will begin construction in Spring 2019	Yes. Full Points for D3
	Total Points Section D:			(TBD)
Total	Total Points All Sections:			(TBD)

CONCEPT PROJECT

LOW-FLOW DIVERSION (LFD) SYSTEMWIDE UPDATE PROJECT

10/23/2017

Updated Low-Flow Diversion



Typical Upgraded Control Cabinet



Low-Flow Diversions

- The LACFCD currently operates 21 LFDs throughout Los Angeles County.
- LFDs divert water from storm drains to the sanitary sewer or other treatment system to eliminate polluted dry-weather runoff into receiving waters.
- Each LFD is unique in design, equipment, and operations although there are design similarities.

LFD Task Force

- The Divisions in the Task Force include FMD, OSD, DES, ITD, and WMD.
- The LFD Task Force was created to improve LFD efficiency by improving coordination and communication among the Divisions involved with LFDs.

System-Wide Update Project

- Project goals are to have a uniform and comprehensive LFD instrumentation with increased monitoring and reporting capabilities at all 21 LFDS.
- The Project will ultimately modernize, standardize, and improve reliability of the LFD system.
- The project will also enable FMD staff to more efficiently operate and maintain the LFD system.
- Status:
 - 3 sites were upgraded through WMD's as-needed contract as a pilot project;
 - 3 LFD sites have been upgraded using AED's Gordian Group JOC;
 - 2 LFD sites to be updated by FMD;
 - 13 sites currently in design development and construction to start in Summer 2018

Project Budget and Schedule

- Estimated project budget \$2.5M for current project (update last 13 LFD sites) and \$1M for first 8 sites.
- Pilot project began in November 2013 and update project to be complete by Summer 2018.

Sewer Diversion Project (Santa Ynez)

Section	Score Range	Scoring Standards	Santa Ynez	Score Range
A. Significant Water Supply Benefits	TBD points max	The project provides water supply benefits		
	Yes / No	A1. Project provides Water Supply benefits as defined above and results in a significant increase in local water supply of > 25 acre feet per year (includes offsetting existing potable water use through capture/on-site reuse or reduction in required irrigation).	<ul style="list-style-type: none"> • 4,490 ac tributary Area • 1333 AFY on average diverted to treatment plant 	Yes. Move to A2, A3, & A4
	TBD points max (If A1 = Yes Only)	A2. Water Supply Cost Effectiveness. The total life-cycle cost* per unit of acre foot of stormwater captured for water supply is awarded as follows: <ul style="list-style-type: none"> • >\$2000/ac-ft = TBD pts • \$1000-2000/ac-ft = TBD pts • <\$1000/ac-ft = TBD pts 	<ul style="list-style-type: none"> • 1333 * 50-year = 66,650 AF • \$1.7M + PV(5%*O&M) = \$3.7M • \$3.7M / 66,650AF = \$55.6/AF • *Note: Before Treatment Costs 	High End of the A2 Score
	TBD points max (If A1 = Yes Only)	A3. Water Supply Benefit Magnitude. The additional water supply resulting from the project is as follows: <ul style="list-style-type: none"> • >50 ac-ft/year = TBD pts • >100 ac-ft/year = TBD pts • >500 ac-ft/year = TBD pts 	<ul style="list-style-type: none"> • 1,333 AFY on average 	High End of the A3 score
	TBD points max	A4. Project utilizes Nature Based Solutions to achieve the water supply benefits	<ul style="list-style-type: none"> • N/A 	N/A No Points
	Total Points Section A:			(TBD)
B. Significant Water Quality Benefits	TBD points max	The project provides water quality benefits		
	Yes/No	B1. Project provides Water Quality benefits as defined above and addresses pollutants of concern.	<ul style="list-style-type: none"> • Santa Ynez is a water quality focused LFD project 	Yes. Move to B2, B3, and B4
	TBD points max (If B1 = Yes Only)	B2. Water Quality Cost Effectiveness. The (ac-ft Volume of stormwater managed in a 24-hour period) / (Life-Cycle Cost* in \$Millions) is awarded as follows: <ul style="list-style-type: none"> • <0.49 = TBD pts • 0.99-0.5 = TBD pts • >1.0 = TBD pts 	<ul style="list-style-type: none"> • 3.65 ac-ft / \$3.7M = 1.0 	High End of the B2 score
	TBD points max (If B1 = Yes Only)	B3. Water Quality Benefit Magnitude. Quantify the pollutant reduction for the controlling pollutants identified in appropriate E/WMP using the LACFCD's Watershed Management Modeling System. The analysis should be an average reduction over a ten year period showing the impact of the project. <ul style="list-style-type: none"> • <50% = TBD pts • 74-50% = TBD pts • >75% = TBD pts 	<ul style="list-style-type: none"> • <50% 	Low End of Score Range
	TBD points max	B4. Project utilizes Nature Based Solutions to achieve the water quality benefits	<ul style="list-style-type: none"> • NA 	NA No Points
	Total Points Section B:			(TBD)

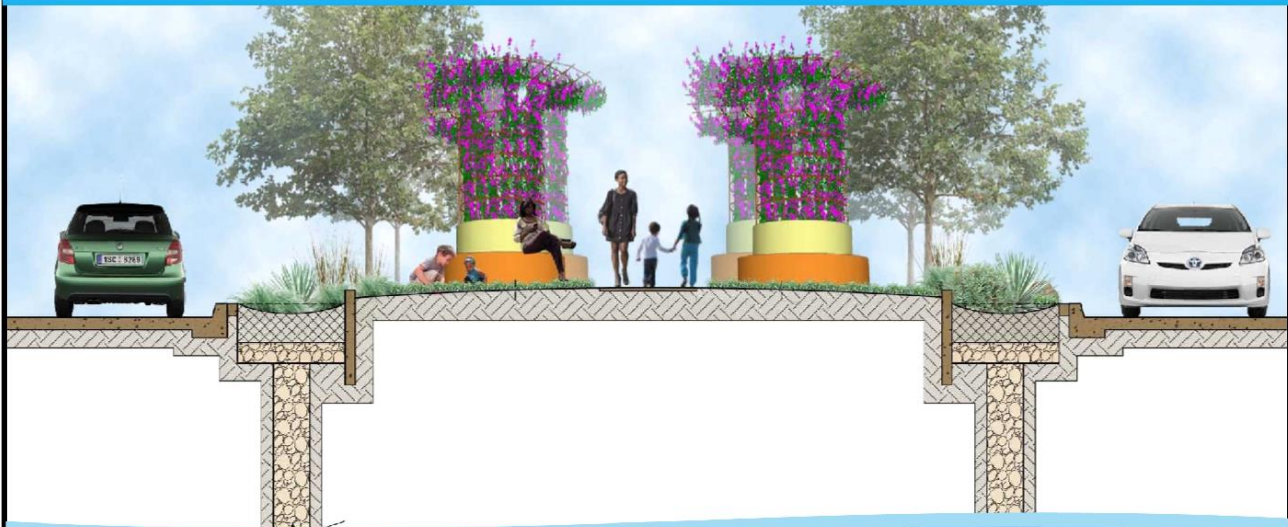
Sewer Diversion Project (Santa Ynez)

Section	Score Range	Scoring Standards	Santa Ynez	Score Range
C. Community Enhancement Benefits	TBD points max	The project provides community enhancement benefits		
	TBD points	C1. Project provides community enhancement benefits directly to and within a disadvantaged community	• N/A	N/A No Points
	TBD points	C2. Project has at least one of the Community Enhancement benefits defined above	• N/A	N/A No Points
	TBD points	C3. Project has at least two of the Community Enhancement benefits defined above	• N/A	N/A No Points
	Total Points Section C:			(TBD)
D. Leveraging Funds & Readiness for Implemen-tation	TBD points max	The project achieves one or more of the following:		
	TBD points max	D1. Cost-Share. Additional Funding has been awarded for the project. <ul style="list-style-type: none">>25% Funding Matched = TBD pts>50% Funding Matched = TBD pts	• County currently matches 50% for all sewer diversion projects	High end of Score
	TBD points	D2. The project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.	• N/A	N/A No Points
	TBD points	D3. Project will begin construction within 18 months	• Project will begin construction within the next 18 months	Yes. Full Points for D3
	Total Points Section D:			(TBD)
Total	Total Points All Sections:			(TBD)

CONCEPT PROJECT

COUNTY OF LOS ANGELES
Department of Public Works

MONTEITH PARK
STORMWATER CAPTURE PROJECT



The Project will protect the water quality of local rivers and streams,
and enhance park amenities.

Located in the unincorporated area of View Park, the Project will capture and infiltrate urban runoff and stormwater from 188 acres of mostly residential land use.

PROJECT FEATURES

- ♣ Pretreatment and underground infiltration systems with a total capture capacity of 7 acre-feet (equivalent to 2.3 M gallons)
- ♣ Low Impact Development “green street” features along adjacent streets
- ♣ Diversion structure, pretreatment system, and underground infiltration systems will capture flows from a nearby stormdrain.

ESTIMATED COST

Planning	\$400,000
Engineering Design	\$400,000
Environmental Compliance	\$200,000
Construction	\$6,000,000
Net Total	\$7,000,000
Annual O&M & Monitoring	\$45,000

SCHEDULE

Final Design	1st Quarter 2019
Advertisement and Award	2nd Quarter 2019
Construction Closeout	2nd Quarter 2020
Effectiveness Monitoring	4th Quarter 2020

If you have any questions, please contact Paul Alva at palva@dpw.lacounty.gov

Monteith Park – Stormwater Capture Project (Green Street)

Section	Score Range	Scoring Standards	Monteith Park	Score Range
A. Significant Water Supply Benefits	TBD points max	The project provides water supply benefits		
	Yes / No	A1. Project provides Water Supply benefits as defined above and results in a significant increase in local water supply of > 25 acre feet per year (includes offsetting existing potable water use through capture/on-site reuse or reduction in required irrigation).	<ul style="list-style-type: none"> 7.9 ac-ft capacity for 230 ac. 80 AFY 	Yes. Move to A2, A3, & A4
	TBD points max (If A1 = Yes Only)	A2. Water Supply Cost Effectiveness. The total life-cycle cost* per unit of acre foot of stormwater captured for water supply is awarded as follows: <ul style="list-style-type: none"> >\$2000/ac-ft = TBD pts \$1000-2000/ac-ft = TBD pts <\$1000/ac-ft = TBD pts 	<ul style="list-style-type: none"> 80 * 50-year = 4,000 AF \$7M + PV(5%*O&M) = \$15.4M \$15.4M / 4,000AF = \$3,850/AF 	Low End of the A2 Score
	TBD points max (If A1 = Yes Only)	A3. Water Supply Benefit Magnitude. The additional water supply resulting from the project is as follows: <ul style="list-style-type: none"> >50 ac-ft/year = TBD pts >100 ac-ft/year = TBD pts >500 ac-ft/year = TBD pts 	<ul style="list-style-type: none"> 80 AFY on average 	Low End of the A2 Score
	TBD points max	A4. Project utilizes Nature Based Solutions to achieve the water supply benefits	<ul style="list-style-type: none"> Project would use soil infiltration to produce new water supply 	Yes. Full Points for A4
	Total Points Section A:			(TBD)
B. Significant Water Quality Benefits	TBD points max	The project provides water quality benefits		
	Yes/No	B1. Project provides Water Quality benefits as defined above and addresses pollutants of concern.	<ul style="list-style-type: none"> Monteith Park is a water quality focused EWMP project 	Yes. Move to B2, B3, and B4
	TBD points max (If B1 = Yes Only)	B2. Water Quality Cost Effectiveness. The (ac-ft Volume of stormwater managed in a 24-hour period) / (Life-Cycle Cost* in \$Millions) is awarded as follows: <ul style="list-style-type: none"> <0.49 = TBD pts 0.99-0.5 = TBD pts >1.0 = TBD pts 	<ul style="list-style-type: none"> 7.9 ac-ft / \$15.4 M = 0.51 	Mid Range of the B2 score
	TBD points max (If B1 = Yes Only)	B3. Water Quality Benefit Magnitude. Quantify the pollutant reduction for the controlling pollutants identified in appropriate E/WMP using the LACFCD's Watershed Management Modeling System. The analysis should be an average reduction over a ten year period showing the impact of the project. <ul style="list-style-type: none"> <50% = TBD pts 74-50% = TBD pts >75% = TBD pts 	<ul style="list-style-type: none"> Zinc is controlling pollutant. 83% reduction in zinc load for 10 year average 	Mid Range of the B3 score
	TBD points max	B4. Project utilizes Nature Based Solutions to achieve the water quality benefits	<ul style="list-style-type: none"> Enhancements and design of natural bioswales and soil filtration Addresses Urban Heat Island 	Yes. Full Points for B4
	Total Points Section B:			(TBD)

Monteith Park – Stormwater Capture Project (Green Street)

Section	Score Range	Scoring Standards	Monteith Park	Score Range
C. Community Enhancement Benefits	TBD points max	The project provides community enhancement benefits		
	TBD points	C1. Project provides community enhancement benefits directly to and within a disadvantaged community	<ul style="list-style-type: none">• Not part of a DAC	N/A No Points
	TBD points	C2. Project has at least one of the Community Enhancement benefits defined above	<ul style="list-style-type: none">• Natural Green Street features• Enhanced recreational opportunities (walking trail)• Traffic Calming• Urban Heat Island Reduction	Yes. Full Points for C2
	TBD points	C3. Project has at least two of the Community Enhancement benefits defined above	<ul style="list-style-type: none">• Natural Green Street features• Enhanced recreational opportunities (walking trail)• Traffic Calming• Urban Heat Island Reduction	Yes. Full Points for C3
	Total Points Section C:			(TBD)
D. Leveraging Funds & Readiness for Implemen-tation	TBD points max	The project achieves one or more of the following:		
	TBD points max	D1. Cost-Share. Additional Funding has been awarded for the project. <ul style="list-style-type: none">• >25% Funding Matched = TBD pts• >50% Funding Matched = TBD pts	<ul style="list-style-type: none">• 50% Match	High End of the D1 score
	TBD points	D2. The project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.	<ul style="list-style-type: none">• The project is working closely and meeting regularly with local communities	Yes. Full Points for D2
	TBD points	D3. Project will begin construction within 18 months	<ul style="list-style-type: none">• Construction will begin 2019	Yes. Full Points for D3
	Total Points Section D:			(TBD)
Total	Total Points All Sections:			(TBD)

VI. Example Project Summary

Section	Scoring Standards	Bassett Infiltration Gallery	Rory M. Shaw Wetlands	Santa Ynez Sewer Connect	Monteith Green Street
A. Significant Water Supply Benefits	The project provides water supply benefits				
	A1. Project provides Water Supply benefits as defined above and results in a significant increase in local water supply of > 25 acre feet per year (includes offsetting existing potable water use through capture/on-site reuse or reduction in required irrigation).	Yes. Move to A2, A3, & A4	Yes. Move to A2, A3, & A4	Yes. Move to A2, A3, & A4	Yes. Move to A2, A3, & A4
	A2. Water Supply Cost Effectiveness. The total life-cycle cost* per unit of acre foot of stormwater captured for water supply is awarded as follows: <ul style="list-style-type: none"> >\$2000/ac-ft = TBD pts \$1000-2000/ac-ft = TBD pts <\$1000/ac-ft = TBD pts 	Low End of the A2 Score	Low End of the A2 Score	High End of the A2 Score	Low End of the A2 Score
	A3. Water Supply Benefit Magnitude. The additional water supply resulting from the project is as follows: <ul style="list-style-type: none"> >50 ac-ft/year = TBD pts >100 ac-ft/year = TBD pts >500 ac-ft/year = TBD pts 	Mid Range of the A3 score	High End of the A3 score	High End of the A3 score	Low End of the A2 Score
	A4. Project utilizes Nature Based Solutions to achieve the water supply benefits	Yes. Full Points for A4	Yes. Full Points for A4	N/A No Points	Yes. Full Points for A4
B. Significant Water Quality Benefits	The project provides water quality benefits				
	B1. Project provides Water Quality benefits as defined above and addresses pollutants of concern.	Yes. Move to B2, B3, and B4	Yes. Move to B2, B3, and B4	Yes. Move to B2, B3, and B4	Yes. Move to B2, B3, and B4
	B2. Water Quality Cost Effectiveness. The (ac-ft Volume of stormwater managed in a 24-hour period) / (Life-Cycle Cost* in \$Millions) is awarded as follows: <ul style="list-style-type: none"> <0.49 = TBD pts 0.99-0.5 = TBD pts >1.0 = TBD pts 	High End of the B2 score	Low End of the B2 Score	High End of the B2 score	Mid Range of the B2 score
	B3. Water Quality Benefit Magnitude. Quantify the pollutant reduction for the controlling pollutants identified in appropriate E/WMP using the LACFCD's Watershed Management Modeling System. The analysis should be an average reduction over a ten year period showing the impact of the project. <ul style="list-style-type: none"> <50% = TBD pts 74-50% = TBD pts >75%= TBD pts 	Mid Range of the B3 score	High End of the B3 score	Low End of Score Range	Mid Range of the B3 score
	B4. Project utilizes Nature Based Solutions to achieve the water quality benefits	Yes. Full Points for B4	Yes. Full Points for B4	NA No Points	Yes. Full Points for B4

Section	Scoring Standards	Bassett Inf. Gallery	Rory M. Shaw Wetlands	Santa Ynez Sewer Con.	Monteith Green Street
C. Community Enhancement Benefits	The project provides community enhancement benefits				
	C1. Project provides community enhancement benefits directly to and within a disadvantaged community	Yes. Full Points for C1	Yes. Full Points for C1	N/A No Points	N/A No Points
	C2. Project has at least one of the Community Enhancement benefits defined above	Yes. Full Points for C2	Yes. Full Points for C2	N/A No Points	Yes. Full Points for C2
	C3. Project has at least two of the Community Enhancement benefits defined above	Yes. Full Points for C3	Yes. Full Points for C3	N/A No Points	Yes. Full Points for C3
D. Leveraging Funds & Readiness for Implementation	The project achieves one or more of the following:				
	D1. Cost-Share. Additional Funding has been awarded for the project. <ul style="list-style-type: none"> >25% Funding Matched = TBD pts >50% Funding Matched = TBD pts 	High End of the D1 score	Low End of the D1 score	High end of Score	High End of the D1 score
	D2. The project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.	Yes. Full Points for D2	Yes. Full Points for D2	N/A No Points	Yes. Full Points for D2
	D3. Project will begin construction within 18 months	N/A No Points	Yes. Full Points for D3	Yes. Full Points for D3	Yes. Full Points for D3