APPENDIX 2-A

Stakeholder and Public Outreach

San Luis Obispo County Functionally Equivalent Stormwater Resource Plan (FE-SWRP)

Stakeholder Kick-off Meeting

Location and date/time posted at www.slocounty.ca.gov/pw/swrp

AGENDA

Meeting Goal: To provide an overview of the San Luis Obispo County FE-SWRP efforts and how stakeholders can participate and contribute during the plan development process.

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1.	Introductions (5 min)
2.	Stormwater Resource Plan Development Process (30 min)
3.	Stakeholder Involvement (20 min)
	break (5 min)
4.	Watershed Characterization & Benefit Quantification Overview (25 min)
5.	Project Solicitation, Evaluation, and Prioritization (25 min)
6.	Schedule/Milestones & Next Actions (10 min)

San Luis Obispo County Integrated Regional Water Management (IRWM) Region

Stormwater Resource Plan (SWRP) Stakeholder Meeting

FEBRUARY 28, 2018



Agenda

- Introductions
- Stormwater Resource Plan Development process
- Stakeholder Involvement
- Watershed Characterization & Benefit Quantification
- Project Solicitation, Evaluation, and Prioritization
- Schedule/Milestones & Next Actions



Stormwater Resource Plan (SWRP)

Senate Bill (SB) 985 requires a stormwater resource plan as a condition of receiving State bond grant funds for **storm water capture and dry-weather runoff projects**

- Proposition 1 Integrated Regional Water Management (IRWM) Grants
- Proposition 1 Stormwater Grants







SWRP Project Management

Project Management Team (PMT)

- County of San Luis Obispo Public Works
- City of Arroyo Grande
- Coastal San Luis Resource Conservation District
- Upper Salinas Las Tablas Resource Conservation District

Technical Consultant

Stillwater Science



Technical Advisory Committee (TAC)

- State Water Board and Regional Water Board reps
- Interested parties such as
 - > municipalities
 - water suppliers
 - local agencies
 - > non-governmental organizations
 - public utilities
 - > regulatory agencies





Nine (9) TAC Areas

TAC Areas:

- (1) San Simeon /Cambria
- (2) Cayucos / Morro Bay / Los Osos
- 3 San Luis Obispo Creek
- 4 Arroyo Grande/Pismo Creeks
- (5) Nipomo
- 6 Cuyama River
- 7 Salinas River
- 3) Estrella River
- 9) Carrizo Plain

No.	TAC Area	TAC Lead	Representative		
1	San Simeon/Cambria	Upper Salinas Las Tablas RCD	George Kendall, Board Member		
2	Cayucos/Morro Bay/Los Osos	City of Morro Bay	Damaris Hanson, Environmental Programs Manager		
3	San Luis Obispo Creek	City of San Luis Obispo	Freddy Otte, Biologist		
4	Arroyo Grande/Pismo Creeks	City of Arroyo Grande	Robin Dickerson, City Engineer		
5	Nipomo	County of San Luis Obispo	Ron Munds, County Public Works		
6	Cuyama River	County of San Luis Obispo	Ron Munds, County Public Works		
7	Salinas River	City of Paso Robles	David LaCaro, Stormwater Program Manager		
8	Estrella River	Shandon-San Juan Water District	Willy Cunha, Director Shandon San Juan Water District		
9	Carrizo Plain	County of San Luis Obispo	Ron Munds, County Public Works		



Roles & Responsibilities

TAC Leads:

- TAC Member, contributor, review, plan development
- Within each TAC Area
- Regular meetings until project completion

Advisors / Stakeholders:

- Contributor, review, plan development



Tasks for the TAC

- Develop SWRP water management goals and objectives
- Formalize member roles and responsibilities
- Develop a meeting schedule (min. 4 meetings)
- Review and approve admin draft, public draft and final draft SWRP



Draft Objectives for the SWRP

- 1. Improved Resource Management at regional & watershed-scale
- 2. Stronger Integration of Programs, Projects, and Stakeholders
- 3. Obtaining and Maintaining Water Quality Parameters
- 4. Address the Effects of Climate Change
- 5. Assess and Incorporate DACs Needs
- 6. Integrate Groundwater Basin Management and GSAs
- 7. Ecosystem Enhancement for Fish & Wildlife
- 8. Develop an Approach to Form Continual Adaption of SWRP



Stakeholder Involvement

Date	Goal					
February 26-28 2018	Kick-off meetings : Introductory meeting to educate stakeholders about the SWRP purpose, planning and input process, and determination of stakeholder participation					
June 2018	Additional Stakeholder meetings: Discuss development of projects, project prioritization and Perspectives Analysis, Consultant Team presentations					
September 10 – October 10, 2018	30-day Comment Period for the Public Draft SWRP					
September 2018	Public Draft SWRP review meeting: Obtain comments and answer questions from all stakeholders at one location in San Luis Obispo, Consultant Team presentations, present steps forward for implementation funding for identified projects					



Stakeholder Role

- Submit projects for inclusion in the SWRP
- Assist TAC members with input and recommendations
- Contribute information and data for plan development
 - Existing data, maps, written reports
- Provide local insight and strategies for implementation
- Conduct outreach and education efforts
- Provide review/comments on the draft and final plans



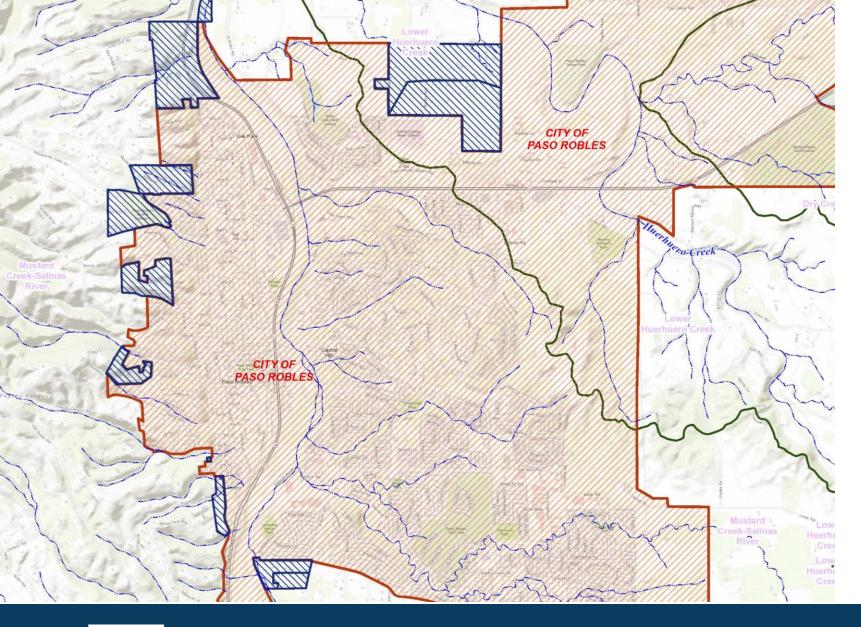
PROJECT SCHEDULE 2017-18	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1. TAC & Stakeholder Meetings		*	*				*			*			
2. Call for Projects				*									
2. Gather and review existing data													
3. Complete mapping													
4. Urban pollutants and BMPs													
5. Quantitative evaluation													
6. Prioritization													
7. SWRP preparation & submittal to SWRCB												*	



Watershed Characterization

- Why watershed(s) appropriate for stormwater management with multiple-benefit approach
- Description of internal boundaries (e.g., stormwater service area, groundwater sustainability areas)
- Small MS4 Permittees (for NPDES compliance)
 - All incorporated cities
 - Unincorporated "urban" areas (e.g., Templeton)







Stormwater Service Area (MS4 Permit Boundary) for **City of Paso Robles**



Stormwater Service Area (MS4 Permit Boundary) for **County of San Luis Obispo**



Watershed Boundary USGS Hydrologic Unit (HU) 12



Benefit Quantification

Each project/program should address:

- 1. At least two (2) or more MAIN BENEFITS
- 2. As many as feasible **ADDITIONAL BENEFITS**



WATER QUALITY while contributing to compliance with applicable permit and/or TMDL requirements

MAIN BENEFIT

Increased filtration and/or treatment of runoff

<u>ADDITIONAL BENEFIT</u>

- Nonpoint source pollution control
- Reestablished natural water drainage and treatment



WATER SUPPLY through groundwater management and/or runoff capture and use (includes "on-farm" recharge)

MAIN BENEFIT

- Water supply reliability
- Conjunctive use

ADDITIONAL BENEFIT

Water conservation



FLOOD MANAGEMENT

MAIN BENEFIT

Decreased flood risk by reduction runoff rate and/or volume

<u>ADDITIONAL BENEFIT</u>

Reduced sanitary sewer overflows



ENVIRONMENTAL

MAIN BENEFIT

- Environmental and habitat protection and improvement, including
 - wetland enhancement/creation;
 - riparian enhancement; and/or
 - instream flow improvement

Increased urban green space



ENVIRONMENTAL

ADDITIONAL BENEFIT

- Reduced energy use, greenhouse gas emission, or provides a carbon sink
- Reestablishment of the natural hydrograph
- Water temperature improvements



COMMUNITY

MAIN BENEFIT

- Employment opportunities provided
- Public education

ADDITIONAL BENEFIT

- Community involvement
- Enhanced and/or created recreational and public use areas



Benefit Metrics - examples

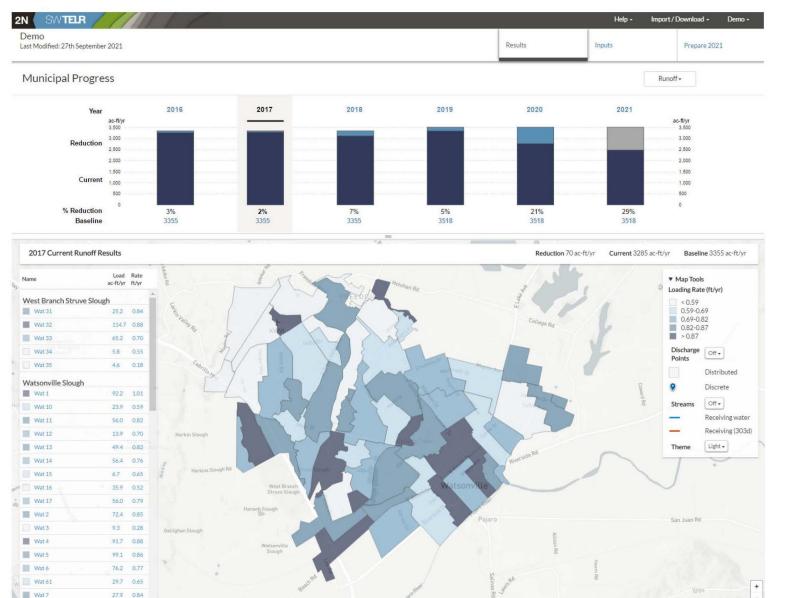
- Pollutant load reduction in pounds per day
- Volume treated/captured in acre-feet per year
- Dollars per volume of augmented supply
- Flooding reduction in cubic feet per second



Benefit Metrics - examples

- Size of riparian habitat enhanced in acres
- Reduced temperature in degrees
- Population served
- Number of jobs produced





Pollutant Load Analysis

 Stormwater Tool to Estimate Load Reduction (swTELR)



Project Solicitation

- Call for Projects due March 2
 www.surveymonkey.com/r/6QM39GD
- Project Types
 - Regional Capital Improvement Projects
 - Parcel-Scale Low Impact Development (LID)
 - Green Street
 - Other



Project Evaluation & Prioritization

Project Management Team (PMT)
 Evaluate projects for completeness

TAC members

Coordinate with TAC Area Stakeholders on project prioritization



Table 4-3. Parcel prioritization criteria for regional stormwater capture

		Points						
	0	1	2	3	4	5	Weight Factor	
Parcel Land Use			Schools/Golf Courses	Public Buildings	Parking Lot	Park / Open Space		
Impervious Area (%)	X < 40	40 ≤ X < 50	50 ≤ X < 60	60 ≤ X < 70	70 ≤ X < 80	80 ≤ X < 100		
Parcel Size (acres)	0.25 ≤ X < 0.5	0.5 ≤ X < 1	1 ≤ X < 2	2 ≤ X < 3	3 ≤ X < 4	4 ≤ X		
Hydrologic Soil Group	724	D	Unknown	С	В	Α		
Slope (%)	5 < X ≤ 10	4 < X ≤ 5	3 < X ≤ 4	2 < X ≤ 3	1 < X ≤ 2	0 < X ≤ 1		
Proximity to Flood- prone Channels (miles)	Not in sub-basin	3 < X		1 < X ≤ 3		X≤1	2	
Contains PCB Risk Areas	None			Moderate		High	2	
Currently planned by City or co-located with other City project	No					Yes	2	
Drains to TMDL water	No					Yes		
Above groundwater basin	No		Yes					
Augments water supply	No	Yes						
Water quality source control	No	Yes						
Reestablishes natural hydrology	No	Yes						
Creates or enhances habitat	No	Yes						
Community enhancement	No	Yes						

Example: Project Prioritization (San Mateo County SWRP)



Projects prioritization elements

- Supported by entities with long-term funding
- Use metrics-driven approach and detailed analysis
- Located on public lands
- Augment local water supplies
- Preserve, restore or enhance watershed processes
- Create or restore habitat, open space, parks, etc.



Next Actions for Stakeholders

- Submit information for any projects by March 2
- Provide feedback during plan development
- Engage with TAC Area Lead to
 - identify multiple benefit projects
 - discuss prioritization element



Schedule/Updates

- TAC Area stakeholder meetings February 26-28
- Call for Projects due March 2 surveymonkey.com/r/6QM39GD
- Next TAC Meeting April 9, 2018
- Sign-up for mailing list for announcements/updates slocounty.ca.gov/pw/swrp





San Luis Obispo County Integrated Regional Water Management Regional Water Management Group (RWMG) Meeting SIGN-IN SHEET Date: 2/27/18

STORMWATER RESOURCE PLAN (SWRP) - TAC Area Meetings

Signing-in is voluntary. You may attend the meeting regardless of whether you sign-in.

Interested Stakeholder	Affiliation (if any)	Email (to be added to mailing list)
Devin Best	USLTRCO	
George Kendall	USLTRCD	
CINDY STEIDEL	C4H20	
John Line	Col 22 0/13 usine	
Bas Gresens	CCSD	رخ
Mike proachurst	Cambria Lins Cheb	

San Luis Obispo County Stormwater Resource Plan (SWRP) *Stakeholder and Public Meeting*

Thursday 7 June (9am - 11am)

San Luis Obispo Library Community Room

995 Palm St, San Luis Obispo

AGENDA

Meeting Goal: To discuss the status of the development of the Plan, review the current Project List, and learn more about highlighted projects submitted for inclusion in the Plan.

Time	Description	Lead
9:00am -9:10am	1. Introductions	Larissa Clarke, Coastal San Luis Resource Conservation District
9:10am-9:15am	2. Schedule of Plan Development	
9:15am-9:25am	Multi-benefits and Project List	
9:25am-9:30am 4. Recent technical documents created for the		
9:30am-9:40am	Break	
9:40-10:40am	5. Project Presentations	Devin Best, Dave LaCaro, Ryan Hayes, Willy Cunha, Patrick Holub, Freddy Otte
10:40am-10:50am	6. Questions/comments/discussion	
10:50am-11:00am	7. Next meeting: September 20, 9am – 11am, San Luis Obispo Library – mid way through public comment period on the <i>Public Draft SWRP</i>	

Stormwater Resource Plan (SWRP)

Public & Stakeholder Meeting
June 7 2018









Today's Agenda

Time	Description
9:00am -9:10am	Introductions
9:10am-9:15am	Schedule of Plan Development
9:15am-9:25am	Multi- benefits and Project List
9:25am-9:30am	Technical documents for Plan
9:30am-9:40am	Break
9:40am-10:40am	Project Presentations
10:40am-10:50am	Questions/comments
10:50am-11:00am	Next meeting: 9/20/2018 9am -11am During Public-Draft SWRP Comment Period



SWRP Big Picture

- Stormwater can be challenging and can cause costly problems
- ♦ We are facing drought, floods, & climate change
- ◆ Can we better manage stormwater as a resource?



SWRP Purpose

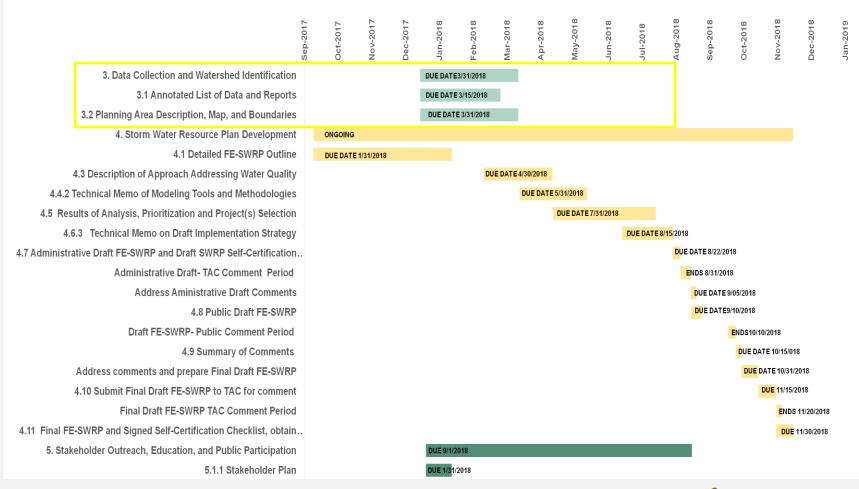
- Identify and prioritize stormwater and dry weather runoff capture projects in the County through detailed analyses of:
 - watershed conditions and processes,
 - surface and groundwater resources,
 - and the multiple benefits that can be achieved through stormwater-related capital projects and other programs



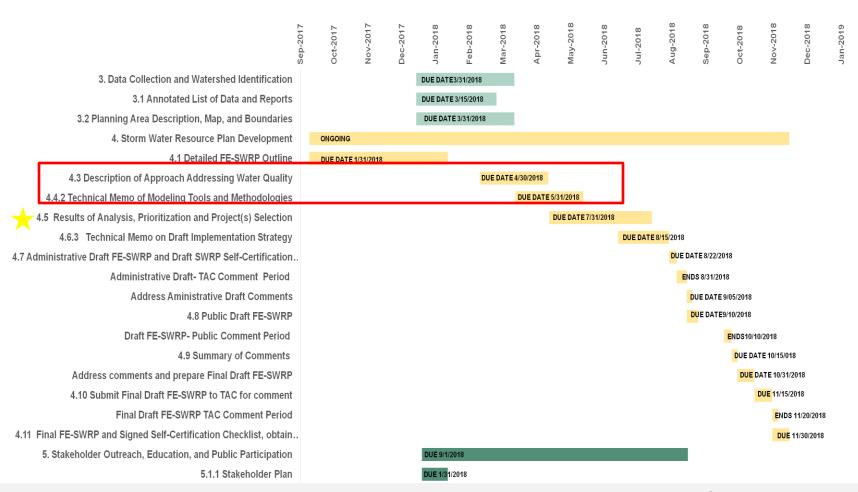
SWRP will:

- Take a watershed-based approach
- Identify watershed and subwatersheds
- Be consistent with other plans and permits
- Prioritize projects based on multiple benefits quantitatively and qualitatively
- Include community participation
- Be adaptive

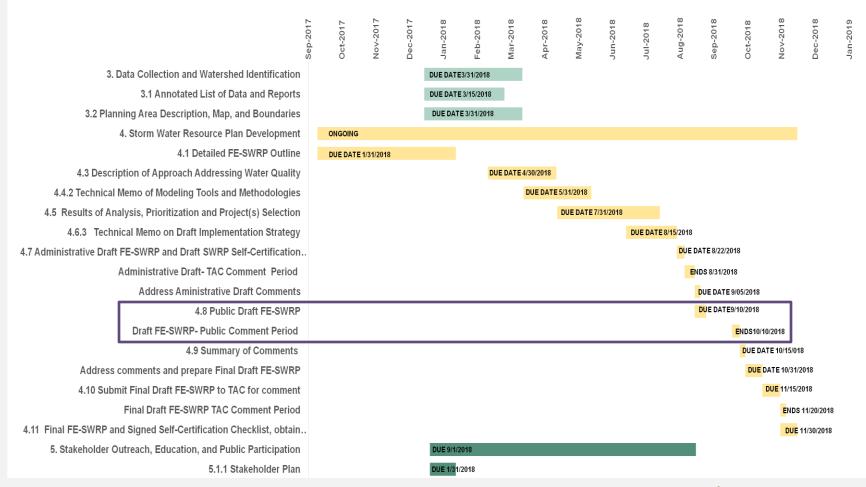




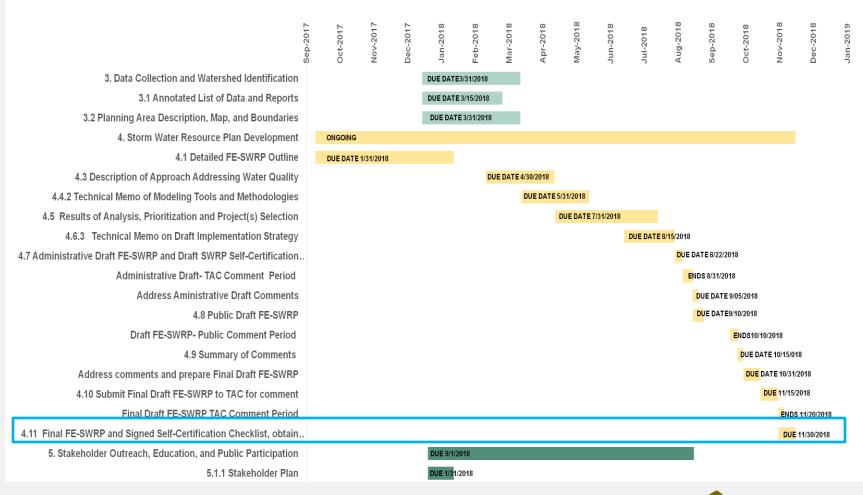














State Guidelines: Multi-benefit

Stormwater and dry weather runoff capture projects that provide more than one of the following benefits:

- i. Water quality
- ii. Water supply
- iii. Flood management
- iv. Environmental benefits
- v. Other community benefits



Projects

Section VI of the December 2015 SWRP Guidelines requires that:

"Plans shall include a metrics-based and integrated evaluation and analysis of multiple benefits to maximize water supply, water quality, flood management, environmental, and other community benefits"

- Solicited projects through online survey
- Received ~30 projects
- Initial Project List is now closed
- SWRP is to be a "living document"



Projects

Guidelines require two basic criteria:

- Must provide at least two "Main Benefits"
- Must address hazards, opportunities, and/or resources affected by stormwater or dry weather runoff

3 main Project Types:

Regional Capital Improvement Projects (CIP) Parcel-Scale Low Impact Development (LID) Green Streets

Focus Areas:

Plan will identify promising localities where the need for stormwater management can be recognized and the opportunities for developing multi-benefit projects are present



Project Name	Relevant watershed	Project Type
San Simeon Creek Road Flooding	San Simeon Creek	Improves safety by addressing
Remediation (planning through design and		hydroplaning, enhanced emergency
construction)		vehicle passage, and reduces erosion
		into streams
Santa Rosa Creek Floodplain & Wetland	Santa Rosa Creek	Watershed based
Retention Plan		
Santa Rosa Creek Streamflow Enhancement	Santa Rosa Creek	Watershed reach scale
Capture and Reuse of Storm Water.	Los Osos Water Basin	Regional CIP
Conceptual Phase		
Bioreactor Installation in Morro Bay	Morro Bay	Watershed reach scale
Watershed		
Various Projects	Morro Bay	Various: Groundwater re-charge, flood
		management, water quality, rain
		capture
2nd Street Baywood Green Street Project -	Morro Bay Watershed	Green Street
Conceptual Design completed but not		
formally approved		
Embarcadero Surf Project		
,	Morro Bay	constructed project-Biofiltration LID
Cloisters Project	Morro Bay	constructed project- Infiltration Basin
Embarcadero Boat Wash Project	Piorro Bay	
		constucted project - biofiltration LID
	Morro Bay	(dry and weather runoff)
Morro Bay State Park Marina Parking Lot -	Morro Bay Watershed	LID Retrofit
Stormwater Pollution Management through		
Low Impact Development Techniques -		
Planning Phase		



Project Name	Relevant watershed	Project Type
Stormwater Infiltration basins	Arroyo Grande Creek watershed	LID New
Pismo Preserve Roads Improvement Project	Pismo Creek	BMP Implementation
Corbett Creek Floodplain and Stream Restoration Project	Arroyo Grande Creek watershed	BMP Implementation
South Halycon Green / Complete Street	Arroyo Grande Creek watershed	Green Street
Oceano Drainage Improvement Project	Arroyo Grande Creek watershed	Regional CIP
Alternatives Analysis and BMP Implementation Plan for the Oso Flaco Watershed	Santa Maria River	BMP Implementation Plan



Project Name	Relevant watershed	Project Type
Upper Spring Street Low Impact	Lower Salinas - Paso Robles Area	Regional CIP
Development Project		
Mountain Springs infiltration basin	Lower Salinas - Paso Robles Creek	Regional CIP
	Area	
Montebello Oaks Basin Retrofit	Lower Salinas - Paso Robles Creek	Regional CIP
	Area	
Grand Canyon Basin Retrofit	Lower Salinas - Paso Robles Creek	Regional CIP
	Area	
Melody Basin Retrofit	Lower Salinas - Paso Robles Creek	Regional CIP
	Area	
Niblick LID Drainage Retrofit	Lower Salinas - Paso Robles Creek	Regional CIP
	Area	
Atascadero Sunken Gardens	Mid Salinas - Atascadero Area	Regional CIP
Stormwater Capture		
El Camino Real Greenstreets Project -	Mid Salinas - Atascadero Area	Green Street
Downtown Corridor		
San Juan Storm Water Infiltration	Upper and Lower San Juan Creek	Groundwater recharge
Project		
Stormwater Rewards Rebate	All	LID Retrofit
Program		
Agricultural Water Management	All	Technical assistance and
		education
Region wide Key Percolation Zone	All watersheds excluding Santa Rosa	County-wide planning
Study	and San Luis Obispo	
Earth Genius - Educational	All SLO county watersheds	Educational program
	All SLO county watersheds	Educational program
Programming		

Technical components

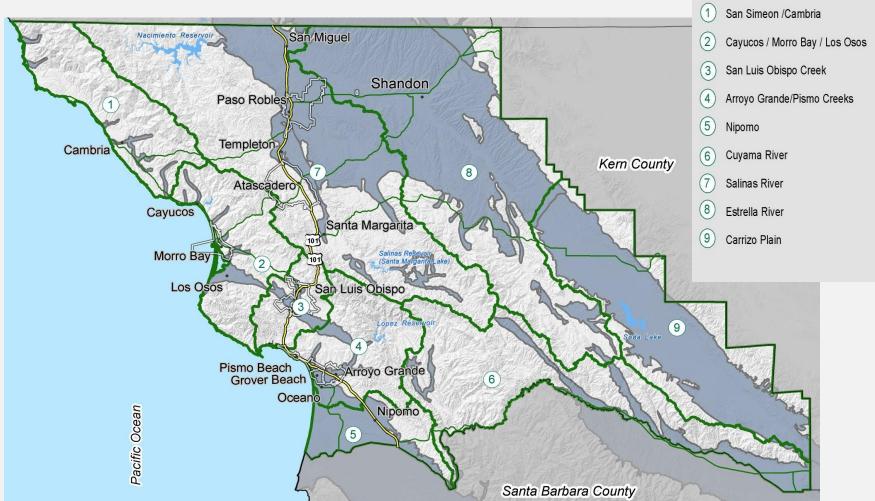
Deliverables being reviewed by State Water Board to ensure the Plan is meeting requirements along the way

Examples:

- √ watershed characterization and map-folio
- √ description of approach addressing water quality
- √ memo of methodology to prioritize projects



Nine (9) Watershed Groups







Stream

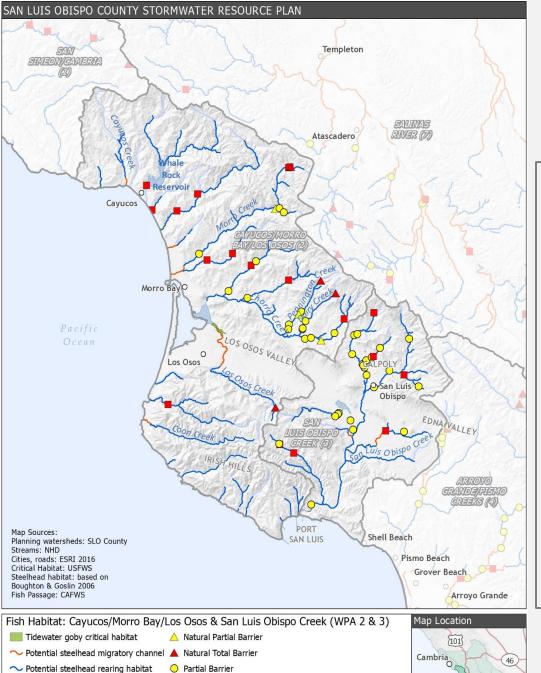
For each of the 9 Watershed Groups, the following maps are included:

- ✓ Municipal boundaries and service areas
- ✓ Land cover
- ✓ Groundwater basins and water features
- ✓ Aquatic habitat

San Luis O Obispo Santa Maria 101

6 Miles Stillwater Sciences

√ Watershed Management Zones



Planning Watershed

For each of the 9 Watershed Groups, the following maps are included:

- ✓ Municipal boundaries and service areas
- ✓ Land cover
- ✓ Groundwater basins and water features
- ✓ Aquatic habitat

San Luis

6 Miles Stillwater Sciences

Santa Maria 101

✓ Watershed Management Zones

Final Plan

- Meets all Water Code requirements and SWRP Guideline recommendations
- ◆Adaptive: can be updated into the future
- ◆Carefully screened and prioritized projects and Focus Area project types





Thank you!

For more information and to be added to the SWRP email list for updates and meeting details, email lclarke@coastalrcd.org

Also visit https://www.slocounty.ca.gov/Departments/Public-Works/Committees/Stormwater-Resource-Plan.aspx





A San Luis Obispo County watershed based approach for the prioritization of multi-benefit stormwater resource projects

Potential Multiple Benefits of SWRP Projects

Water Quality Improvement • Groundwater Recharge and Water Supply Reliability • Flood Risk Management • Environmental Protection and Enhancement • Community Involvement

Shandon Public Meeting - 2018

Purpose of the Meeting

- Updating the public on the status of the Stormwater Resource Plan
- Gaining public feedback on stormwater needs within the community
- Informing the public of the comment period for the Stormwater Resource Plan Public Draft

TOPICS

Meeting Overview:

- SWRP Timeline and Status
- SWRP Examples of Multi-benefit Projects
- SWRP Project Prioritization and Implementation
- SWRP Needs within Shandon
- SWRP Future Community Involvement

Public Draft Comment Period

September 10, 2018 - October 10, 2018

Meeting Date and Time

Thursday August 9

7:00 PM - 8:00 PM

CW Clarke Memorial Park Clubhouse

101 West Centre St., Shandon

https://www.slocounty.ca.gov/PW/SWRP



Public Draft Release

September 10, 2018

Public Comment Period

September 10, 2018 - October 10, 2018 at 5:00 PM PST

About the Stormwater Resource Plan (SWRP)

- ➤ **Voluntary** plan that makes public agencies and 501(c)(3) non-profits within the County eligible for grant funding
- > A plan focused on **regional efforts** to use stormwater as a resource
- Identifies and prioritizes multi-benefit stormwater capture and dry weather runoff capture projects
- Will be incorporated into the County's Integrated Regional Water Management (IRWM)
 Plan
- > Final SWRP to be submitted to the State Water Resources Control Board in November 2018
- Final opportunity to review and comment on the SWRP occurring from September 10 through October 10, 2018

Find the Public Draft at: https://www.slocounty.ca.gov/PW/SWRP

Submit Comments by October 10 at 5:00 PM PST:

ONLINE:

Use the public comment form at https://www.slocounty.ca.gov/
PW/SWRP

EMAIL:

Larissa Clarke lclarke@coastalrcd.org (805) 772-4391

MAIL:

Larissa Clarke, SWRP Project Manager 1203 Main St. Suite B Morro Bay, CA 93442

Upcoming Public and Stakeholder Meeting:

Thursday September 20

9 AM - 11 AM

San Luis Obispo City/County Library Community Room,

995 Palm St., San Luis Obispo

For those who cannot attend, view the meeting at: https://global.gotomeeting.com/join/984305653



A San Luis Obispo County watershed based approach for the prioritization of multi-benefit stormwater resource projects

Potential Multiple Benefits of SWRP Projects

Water Quality Improvement • Groundwater Recharge and Water Supply Reliability • Flood Risk Management • Environmental Protection and Enhancement • Community Involvement

Public & Stakeholder Meetings - 2018

Purpose of the Meetings

- Updating the public and stakeholders on the progress of the Stormwater Resource Plan development
- Review current Stormwater Resource Plan Project List and highlight various submitted projects

TOPICS

Meeting Overview:

- SWRP Development Progress
- SWRP Timeline
- SWRP Project Prioritization Approach
- SWRP Submitted Project List
- Local SWRP Project Presentations

Meeting Dates and Times

Thursday June 7	9 AM – 11 AM	San Luis Obispo City/County Library Community Room,
		995 Palm St., San Luis Obispo
Thursday September 20	9 AM – 11 AM	San Luis Obispo City/County Library Community Room,
		995 Palm St., San Luis Obispo

https://www.slocounty.ca.gov/PW/SWRP



A San Luis Obispo County watershed based approach for the prioritization of multi-benefit stormwater resource projects

Potential Multiple Benefits of SWRP Projects

Water Quality Improvement • Groundwater Recharge and Water Supply Reliability • Flood Risk Management • Environmental Protection and Enhancement • Community Involvement

Public & Stakeholder Meeting - 2018

Purpose of the Meeting

- Updating the public and stakeholders on the status of the Stormwater Resource Plan
- Engaging the public in the comment period for the Stormwater Resource Plan Public Draft

TOPICS

Meeting Overview:

- SWRP Timeline
- SWRP Project Prioritization and Project List
- SWRP Implementation
- SWRP Next Steps

Public Draft Release

September 10, 2018

Public Comment Period

September 10, 2018 - October 10, 2018

Meeting Date and Time

Thursday September 20 9 AM – 11 AM

San Luis Obispo City/County Library Community Room,

995 Palm St., San Luis Obispo

For those who cannot attend, view the meeting at: https://global.gotomeeting.com/join/984305653

Find the Public Draft at: https://www.slocounty.ca.gov/PW/SWRP



A San Luis Obispo County watershed based approach for the prioritization of multi-benefit stormwater resource projects

Potential Multiple Benefits of SWRP Projects

Water Quality Improvement • Groundwater Recharge and Water Supply Reliability • Flood Risk Management • Environmental Protection and Enhancement • Community Involvement

Los Osos Public Meeting - 2018

Purpose of the Meeting

- Updating the public on the status of the Stormwater Resource Plan
- Gaining public feedback on stormwater needs within the community
- Informing the public of the comment period for the Stormwater Resource Plan Public Draft

TOPICS

Meeting Overview:

- SWRP Timeline and Status
- SWRP Examples of Multi-benefit Projects
- SWRP Project Prioritization and Implementation
- SWRP Needs within Los Osos
- SWRP Future Community Involvement

Public Draft Comment Period

September 10, 2018 - October 10, 2018

Meeting Date and Time

Monday August 13

6:30 PM – 7:30 PM

Los Osos Community Services District Board Room

2122 9th St. Suite 106, Los Osos

https://www.slocounty.ca.gov/PW/SWRP

3

San Luis Obispo County - Stormwater Resource Plan

San Miguel Public Outreach Meeting 2018.08.06

SIGN-IN SHEET

Name	Affiliation (if any)	Email (to be added to mailing list)
RICHARD HOFFMANN		i .
Teri Sage		
Teri SAGE Lynne Schmitz Ashey! DEN SAWSTER		n
ASHEY ! DEAD SANGSTER		A
Tamara Parert		rs0
JOHN CLERERA		
JOHN CARRERA LISA King		R
J		~ J



California Valley Public Outreach Presentation 2018.08.07

SIGN-IN SHEET

Name	Affiliation (if any)	Email (to be added to mailing list)
Patrick M.Ca, laney	CUCSD	
		e e e e e e e e e e e e e e e e e e e



Nipomo Public Outreach Meeting 2018.08.08

SIGN-IN SHEET

Name	Affiliation (if any)	Email (to be added to mailing list)
Pat Schane		
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Shandon Public Outreach Meeting 2018.08.09

SIGN-IN SHEET

Name	Affiliation (if any)	Email (to be added to mailing list)
Mary Russell		
Mary Russell Willy Cunha	OUTEZZ)a
April Tallman	SAC/resident only guilby association	
Randy Herbayl	only guiltby association	
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Los Osos Public Outreach Meeting 2018.08.13

SIGN-IN SHEET

Name	Affiliation (if any)	Email (to be added to mailing list)
Lynette Tornatzky		
LyneHetornatzky Vicki Milledge Lev JORNATZR/	CSD	
Lev JORNATZR/	(51)	
LINDA GHIPPING	GSL RCD)
Jones Bisher		
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San Simeon Public Outreach Meeting 2018.08.14

SIGN-IN SHEET

Name	Affiliation (if any)	Email (to be added to mailing list)
HANKRZOUK	NCAC	
Mary Margaret Mary Margaret Metrure Jany Mi Seni	55C5 D	
Jany Mi Seni	RESIDENT	
GWEN KELLAS	5SCSD	ON .
Julia Stanert	55CSD	J
	*	J



Grover Beach Public Outreach Meeting 2018.08.16

SIGN-IN SHEET

Name	Affiliation (if any)	Email (to be added to mailing list)	
Debbu Peterson	CityCooncelCom		l. on
Debbus Peterson MICHAEL LEHANE Pat Jehane	NIPOMO CHOMBGLOF C	Zar.	om
Pat Jehane			
		>	
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San Luis Obispo County Stormwater Resource Plan (SWRP) *Public and Stakeholder Meeting*

Thursday 20 September (9am – 11am)

San Luis Obispo Library Community Room

995 Palm St, San Luis Obispo

AGENDA

Time	Description	Lead
9:00am -9:15am	1. Introductions	Larissa Clarke, Coastal San Luis RCD
9:15am-9:30am	Schedule of Plan Development	
9:30am-9:45am	SWRCB SWRP Guidelines – Multi - benefits	
9:45am-10:00am	4. Draft SWRP – Overview of Chapters	Devin Best, Upper Salinas Las Tablas RCD
10:00am-10:10am	Break	
10:10-10:45am	5. Project Presentations	
10:45am-11:00am	6. Questions/comments/discussion	

Stormwater Resource Plan (SWRP)

Public Meeting #3

September 20 2018











Today's agenda

Time	Description	Lead
9:00am -9:15am	1. Introductions	Larissa Clarke, Coastal San Luis RCD
9:15am-9:20am	2. Schedule of Plan Development	
9:20am-9:45am	3. SWRCB SWRP Guidelines – Multi - benefits	
9:45am-10:00am	4. Draft SWRP – Overview of Chapters	Devin Best, Upper Salinas Las Tablas RCD
10:00am-10:10am	Break	
10:10-10:45am	5. Project Presentations	One Cool Earth, Sarah Crable, Devin Best, Darla Elswick
10:45am-11:00am	6. Questions/comments/discussion	

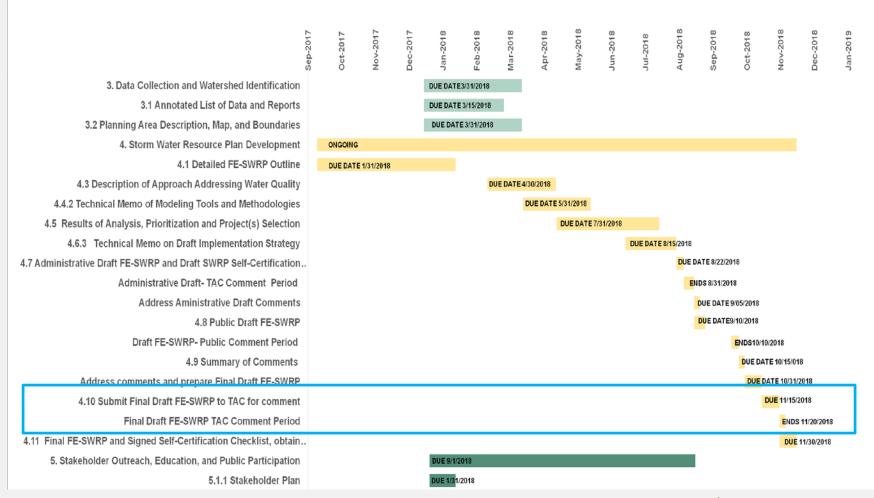


Public Draft period





One more TAC review period





Outreach

- ◆Farmers' market flyers, radio announcements, ksby news article
- ♦7 public meetings were held across the county
 - provide information to members of the community about the current plan development activities
 - and to help answer any questions about the planning process, project prioritization, and how to be involved
 - San Miguel, California Valley, Nipomo, Shandon, Los Osos, San Simeon, Grover Beach



Legislative Background

Senate Bill 985: the Stormwater Resources Planning Act

-requires development of a compliant Stormwater Resource Plan to receive Prop 1 (the Water Quality, Supply, and Infrastructure Improvement Act) funding

-Water Code 10565 required the State Water Board to establish Guidelines for entities developing a SWRP



What is a SWRP?

- non-regulatory,
- watershed based,
- and stakeholder driven,
- builds on local storm water management objectives and identifies and prioritizes
- projects that capture, treat, or reuse storm water runoff



SWRP Background

- Individual projects within a watershed can range from small retrofits such as standardized parkway curb cuts and tree wells in public rights-of-way, to creation of constructed natural wetlands and/or installation of underground vaults that store and infiltrate or use the captured runoff.
- Increasing storm water and dry weather runoff capture and infiltration restores lost watershed processes and provides multiple tangible and intangible benefits



SWRP Purpose

Identify and prioritize stormwater and dry weather runoff capture projects in the County through detailed analyses of:

- watershed conditions and processes,
- surface and groundwater resources,
- and the multiple benefits that can be achieved through stormwater-related capital projects and other programs



State Guidelines: Multi-benefit

Stormwater and dry weather runoff capture projects that provide more than one of the following benefits:

- i. Water quality
- ii. Water supply
- iii. Flood management
- iv. Environmental benefits
- v. Other community benefits



State Guidelines: Multi-benefit

TABLE 4. STORM WATER MANAGEMENT BENEFITS				
Benefit Category	Main Benefit	Additional Benefit		
Water Quality while contributing to compliance with applicable permit and/or TMDL requirements	Increased filtration and/or treatment of runoff	Nonpoint source pollution control		
		Reestablished natural water drainage and treatment		
Water Supply through groundwater management and/or runoff capture and use	Water supply reliability	Water conservation		
	Conjunctive use			
Flood Management	Decreased flood risk by reducing runoff rate and/or volume	Reduced sanitary sewer overflows		
Environmental	Environmental and habitat protection and improvement, including; - wetland enhancement/creation; - riparian enhancement; and/or - instream flow improvement	Reduced energy use, greenhouse gas emissions, or provides a carbon sink		
		Reestablishment of the natural hydrograph		
	Increased urban green space	Water temperature improvements		
Community	Employment opportunities provided	Community involvement		
	Public education	Enhance and/or create recreational and public use areas		



Examples of quantification

Benefit	Example Actions	Example Metric Units	
Water Quality (for overall improvement in urban water quality, and to support achievement of TMDLs for pathogens and nitrogen)	Filtration SCMs Protection or reestablishment of natural buffers around receiving waters	Treatment Design Storm 85% 24-hr storm volume, 95% 24-hr storm volume Pollutant Load Reduction lbs/day, kg/day	
Water Supply (through stormwater infiltration, and/or runoff capture and use	Infiltration SCMs Runoff capture SCMs	Volume Infiltrated or Captured acre-feet per year (afy)	
Flood Management (through peak flow reduction)	Reducing runoff rates and/or volumes through infiltration, capture, and/or detention	Volume Infiltrated or Captured million gallons per day (mgd) Flow Reduction reduction in cfs	
Environmental (habitat improvement, low-flow augmentation)	Riparian buffer protection or enhancement Infiltration/groundwater recharge SCMs	Buffer Expansion acres, linear feet Infiltration Design Storm 85% 24-hr storm volume Biological Improvements California Stream Condition Index	
Community	Enhanced and/or created recreational and public use areas Community involvement through workshops Public education	Size number of residents served, acres of open space created/protected	



County-wide, multi-benefit approach

- Take a watershed-based approach
- Identify watershed and subwatersheds
- Be consistent with other plans and permits
- Prioritize projects based on multiple benefits quantitatively and qualitatively
- Include community participation
- Be adaptive



Projects

Guidelines require two basic criteria:

- Must provide at least two "Main Benefits"
- Must address hazards, opportunities, and/or resources affected by stormwater or dry weather runoff

3 main Project Types:

Regional Capital Improvement Projects (CIP)
Parcel-Scale Low Impact Development (LID)
Green Streets

Focus Areas:

Plan will identify promising localities where the need for stormwater management can be recognized and the opportunities for developing multi-benefit projects are present



State Guidelines: prioritization of projects

Plans should prioritize projects according to the following elements:

Projects/programs

- a) supported by entities that have created permanent, local, or regional funding
- b) That use a metrics-driven approach of multi-benefits
- c) Located on lands in public ownership
- d) That augment local water supplies
- e) That preserve, restore, or enhance watershed processes
- f) That create or restore habitat, open space, parks, recreation, or green space



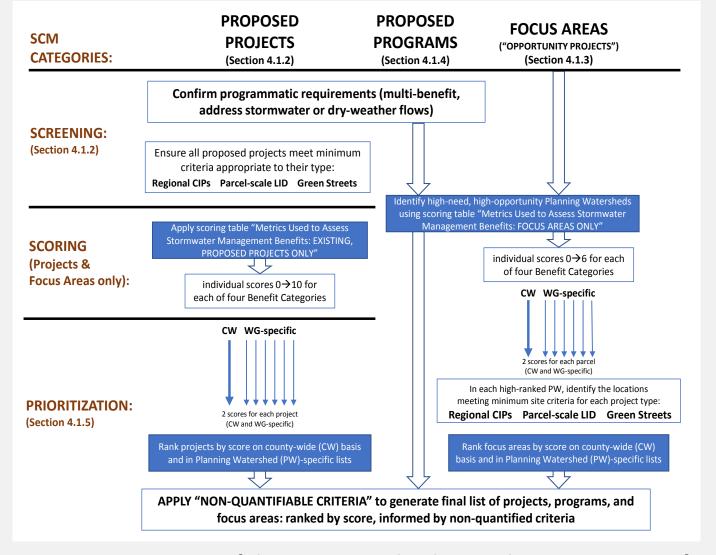
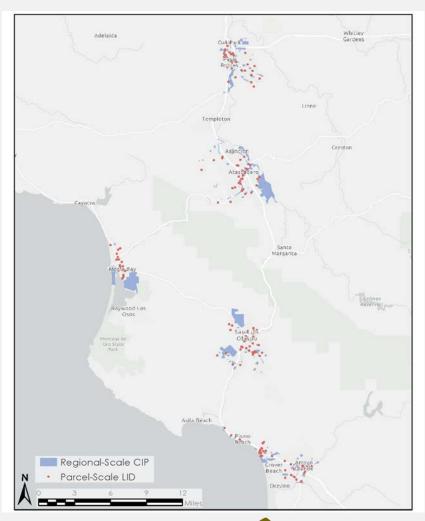


Figure 4-1. Diagram of the main steps leading to the prioritization of projects, programs, and Focus Areas.

Regional CIP and Parcel-Scale LID

Minimum screening requirements:

- 1. Public ownership
- 2. Slope < 10%
- 3. Acres > .25 for regional and <.25 for parcel-scale
- 4. Undeveloped or only lightly developed land use, e.g. parks

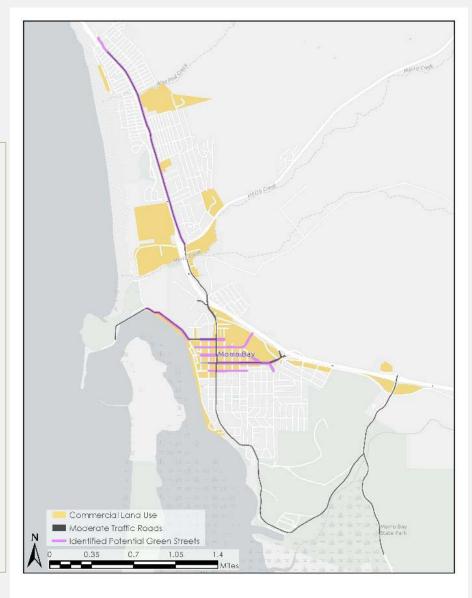




Green Streets

Identified streets that meet basic criteria for Green Street retrofitting:

- Moderate traffic streets
 - Generally has a wide right-ofway that may provide space for integration of green street SCM
- near or adjacent to commercial land uses
 - Areas more likely to include a curb/gutter system that helps design routing of stormwater
- less than 10% hillside gradient





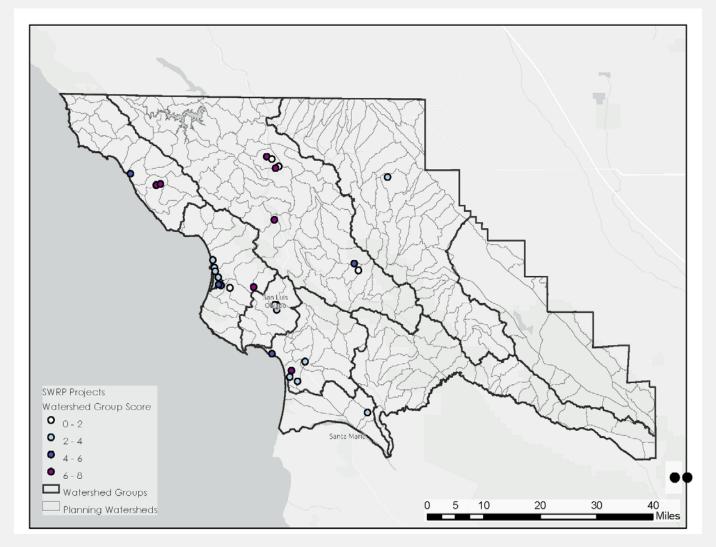


Figure 4-3. Map of identified project locations. Each project is color-coded by its metric score (Table 4-7).



What's next

- **♦**Submit Final Plan to SWRCB 11/30
- ◆Receive concurrence from SWRCB → submit SWRP to Integrated Regional Water Management Plan
 - ♦Contact: Brendan Clark (bclark@co.slo.ca.us) to learn more about the IRWM Program

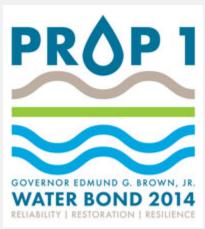


Round 2 Implementation

Application Solicitation Period: tentative for late summer 2019

Funding source: Proposition 1

Funding available: ~\$90 million







Thank you!

To download the Public Draft visit:

https://www.slocounty.ca.gov/Departments/Public-Works/Committees/Stormwater-Resource-Plan.aspx

Send comments on the Public Draft to lclarke@coastalrcd.org or use the Google Form linked on the County's website below the Plan link

Public Draft Comment Period ends at 5:00PM on October 10, 2018





San Luis Obispo County Stormwater Resource Plan Stakeholder and Public Meeting

September 20th 2018 SLO County Library

Sign-in Sheet					
Name	Affiliation	Email address			
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Richard	CSURCD				
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Coastal San Luis Resource Conservation District

1203 Main Street, Suite B Morro Bay, CA 93442 T: 805-772-4391 F: 805-772-4398

NEWS FOR IMMEDIATE RELEASE

Date: May 23, 2018

Contact: Larissa Clarke, Project Manager, (805) 772-4391, lclarke@coastalrcd.org

PUBLIC MEETING FOR THE DEVELOPMENT OF THE SAN LUIS OBISPO COUNTY STORMWATER RESOURCE PLAN

Members of the public and interested stakeholders are invited to attend an informational meeting on the development of a stormwater resource plan for San Luis Obispo county. Coastal San Luis Resource Conservation District in coordination and collaboration with local agencies and organizations will host the meeting.

Senate Bill 985 requires public agencies to develop a plan that meets State Water Resources Control Board (SWRCB) guidelines as a condition of receiving grants for stormwater and dry weather runoff capture projects from any bond approved by California voters after January 1, 2014.

The plan will focus on identifying and prioritizing projects on a watershed-basis to ensure multiple benefits such as improving water quality; increasing water supply reliability through groundwater recharge; decreasing flood risk; protecting and enhancing environmental habitats; and advancing community opportunities, education, and involvement.

On June 30, 2016, the SWRCB awarded \$189,140 to the City of Arroyo Grande under the Proposition 1 Storm Water Grant Program for stormwater resource planning efforts within the Arroyo Grande Creek and Pismo Creek watersheds. On February 2, 2017, the California Department of Water Resources awarded \$204,183 to the San Luis Obispo County Flood Control and Water Conservation District under the Proposition 1 Integrated Regional Water Management 2016 Planning Grant Program for expanding these planning efforts into remaining county watersheds.

The meeting will include an overview of the San Luis Obispo County Stormwater Resource Plan development including updates on the progress and timeline, description of the approach for quantifying project benefits and prioritizing projects, and brief presentations of selected projects from various local agencies and organizations.

Meeting Information

Date and Time: Thursday, June 7, 2018, 9:00 a.m. – 11:00 a.m.

Location: San Luis Obispo City/County Library Community Room

995 Palm Street, San Luis Obispo, CA 93401

For more information on stormwater resource planning efforts, please visit: https://www.slocounty.ca.gov/PW/SWRP

Coastal San Luis Resource Conservation District



1203 Main Street, Suite B, Morro Bay, CA 93442 805-772-4391 | www.coastalrcd.org

NEWS FOR IMMEDIATE RELEASE

Date: July 20, 2018

Contact: Larissa Clarke, Project Manager, (805) 772-4391, lclarke@coastalred.org

PUBLIC MEETINGS FOR THE DEVELOPMENT OF THE SAN LUIS OBISPO COUNTY STORMWATER RESOURCE PLAN

Members of the public are invited to attend an informational meeting on county-wide stormwater resource planning efforts. County Public Works staff in coordination and collaboration with local agencies and organizations will host the meetings.

As a result of Senate Bill 985, public agencies are required to develop a plan that meets State Water Board guidelines as a condition of receiving grants for stormwater and dry weather runoff capture projects.

The plan identifies and prioritizes infrastructure projects on a watershed basis that provide multiple benefits such as improving water quality, increasing water supply reliability through groundwater recharge, decreasing flood risk, protecting and enhancing environmental habitat, and advancing community opportunities, education, and involvement.

Seven (7) public meetings are planned across the county in August to provide information to members of the community about the current plan development activities and to help answer any questions about the planning process, project prioritization, and how to be involved. The meeting dates, times, and locations are provided below:

Monday August 6	7:00 PM – 8:00 PM	San Miguel CSD, 1150 Mission St., San Miguel
Tuesday August 7	7:30 PM - 8:30 PM	California Valley CSD, 13080 Soda Lake Rd., California Valley
Wednesday August 8	7:30 PM - 8:30 PM	Nipomo CSD Board Room, 148 South Wilson St., Nipomo
Thursday August 9	7:00 PM - 8:00 PM	Shandon Park Clubhouse, 101 E Center St, Shandon
Monday August 13	6:30 PM - 7:30 PM	Los Osos CSD Board Room, 2122 9th St. Suite 102, Los Osos
Tuesday August 14	6:00 PM - 7:00 PM	Cavalier Oceanfront Resort, 9415 Hearst Dr., San Simeon
Thursday August 16	6:00 PM - 7:00 PM	Ramona Garden Park Center, N 10th St., Grover Beach

Participants will learn about using stormwater as a resource and the types of projects that can create multiple benefits. The draft stormwater resource plan will be released for public review and comment in September 2018.

Community members are invited to attend a meeting to review and provide input on the draft plan on September 20, 2018 at 9:00 AM to 11:00 AM in the San Luis Obispo City/County Library Community Room, 995 Palm Street, San Luis Obispo, CA.

For more information on stormwater resource planning efforts, please visit: https://www.slocounty.ca.gov/PW/SWRP

Coastal San Luis Resource Conservation District

1203 Main Street, Suite B, Morro Bay, CA 93442 805-772-4391 | <u>www.coastalrcd.org</u>

NEWS FOR IMMEDIATE RELEASE

Date: September 5, 2018

Contact: Larissa Clarke, Project Manager, (805) 772-4391, lclarke@coastalred.org

PUBLIC MEETING FOR THE DRAFT AND COMMENT PERIOD OF THE SAN LUIS OBISPO COUNTY STORMWATER RESOURCE PLAN

Coastal San Luis Resource Conservation District in coordination and collaboration with local agencies and organizations will hold a meeting on September 20, 2018 to receive public comment on the Draft San Luis Obispo County Stormwater Resource Plan (SWRP). The public meeting will be held from 9:00 AM to 11:00 AM in the San Luis Obispo City/County Library Community Room, located at 995 Palm Street, San Luis Obispo, CA. For those who cannot attend the meeting in person, view the meeting at: https://global.gotomeeting.com/join/984305653.

As a result of Senate Bill 985, public agencies are required to develop a plan that meets state guidelines to be eligible to receive bond funds (approved by California voters after January 2014) for stormwater and dry weather runoff capture projects. The intent of the legislation is to encourage the use of runoff as a resource to improve water quality, reduce localized flooding, and increase water supplies for beneficial uses and the environment.

The plan identifies and prioritizes projects on a watershed basis such as green streets and low impact development measures, regional capital improvements, and other runoff capture infrastructure. Projects are evaluated for providing multiple benefits such as reducing pollutant loading to receiving waters, recharging groundwater, conserving and reusing water, decreasing flood risk, protecting and enhancing environmental habitats, increase urban green space, enhancing recreation and public use areas, and advancing community involvement, education and employment opportunities.

The draft plan will be available on the County's website on September 10, 2018. The public comment period for the draft plan ends on October 10, 2018. Comments can be addressed to Larissa Clarke, Project Manager, Coastal San Luis Resource Conservation District at (805) 772-4391 or via email at lclarke@coastalrcd.org.

Community members are encouraged to attend the public meeting which will give an overview of the draft plan and provide an opportunity to receive input from community members and stakeholders for development of the final plan.

The countywide stormwater resource planning effort was funded in part by two grants awarded by the State Water Resources Control Board and the Department of Water Resources under Proposition 1, The Water Quality, Supply, and Infrastructure Improvement Act of 2014.

For a copy of the Public Draft or other pertinent information on stormwater resource planning efforts, please visit: https://www.slocounty.ca.gov/PW/SWRP

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Coastal RCD holds public meetings for the SLO County Storm water Resource Plan

Posted: Aug 06, 2018 3:25 AM PDT Updated: Aug 06, 2018 3:25 AM PDT

By Ashton McIntyre

Residents of San Luis Obispo County are invited to attend an informational meeting about the county-wide storm water resource planning efforts.

Coastal San Luis Resource Conservation District is inviting members of the public to attend an information meeting on county-wide resource planning efforts.

As a result of Senate Bill 985, public agencies are required to develop a plan that meets State Water Board guidelines as a condition of receiving grants for storm water and dry weather runoff capture projects.

The plan will identify and prioritize infrastructure projects on a watershed basis that provide many benefits such as improving water quality, increasing water supply reliability through groundwater recharge, protecting and enhancing environmental habitat, decreasing flood risk, and advancing community opportunities, education, and involvement.

Seven public meetings are planned across the county in August. These meetings will provide information to members of the community about the current plan development activities and to help answer any questions about the planning process, and how to be involved. The meeting dates, times, and locations are listed below:

- Monday, August 6 from 7:00 8:00 p.m. at San Miguel CSD, 1150 Mission St., San Miguel.
- Tuesday, August 7 from 7:30 8:30 p.m. at California Valley CSD, 13080 Soda Lake Rd., California Valley.
- Wednesday August 8 from 7:30 8:30 p.m. at Nipomo CSD Board Room, 148 South Wilson St., Nipomo.
- Thursday August 9 from 7:00 8:00 p.m. at Shandon Park Clubhouse, 101 E Center St., Shandon.
- Monday, August 13 from 6:30 7:30 p.m. at Los Osos CSD Board Room, 2122 9th St. Suite 102, Los Osos.
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Participants will learn about using storm water as a resource and the types of projects that can create multiple benefits. The draft storm water resource plan will be released for public review and comment in September 2018.

Community members are invited to attend another meeting to review and provide input on the draft plan on September 20, 2018 at 9:00 to 11:00 a.m. in the San Luis Obispo City Library Community Room at 995 Palm Street.

Posted on: September 5, 2018

Coastal RCD to Hold Public Meeting for Comments on the Draft SLO County Stormwater Resource Plan

Coastal San Luis Resource Conservation District in coordination and collaboration with local agencies and organizations will hold a meeting on September 20, 2018 to receive public comment on the Draft San Luis Obispo County Stormwater Resource Plan (SWRP). The public meeting will be held from 9:00 AM to 11:00 AM in the San Luis Obispo City/County Library Community Room, located at 995 Palm Street, San Luis Obispo, CA. For those who cannot attend the meeting in person, view the meeting at: https://global.gotomeeting.com/join/984305653.

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The plan identifies and prioritizes projects on a watershed basis such as green streets and low impact development measures, regional capital improvements, and other runoff capture infrastructure. Projects are evaluated for providing multiple benefits such as reducing pollutant loading to receiving waters, recharging groundwater, conserving and reusing water, decreasing flood risk, protecting and enhancing environmental habitats, increase urban green space, enhancing recreation and public use areas, and advancing community involvement, education and employment opportunities.

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Contact:

Larissa Clarke

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