

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
WATER RESOURCES ADVISORY COMMITTEE (WRAC)

SLO Library Community Room
995 Palm Street, San Luis Obispo CA

Wednesday, December 4, 2019
1:30 pm

AGENDA

1.	Determination of a Quorum and Introductions	1:30 pm
2.	Approval of October 2, 2019 Meeting Minutes	1:35 pm
3.	Ongoing Updates: a. Rain & Reservoir Report b. Groundwater Basin Management Efforts c. Integrated Regional Water Management (IRWM) d. Stormwater Resource Plan (SWRP) e. Various County Water Programs, Policies, and Ordinances f. Open Reporting on Water Conservation Opportunities & Information g. WRAC 2020 Regular Meeting Schedule	1:45 pm
4.	Presentation on Urban Water Loss Audits and Leak Detection Technologies by City of San Luis Obispo	1:55 pm
5.	Update from WRAC and Agriculture Liaison Advisory Board (ALAB) Collaboration Sub-committee	2:25 pm
6.	Updates from Agencies on Water Issues Relevant to Their Group or Agency	2:35 pm
7.	Discuss Future Agenda Items	2:45 pm
8.	Public Comment	2:55 pm

--- Adjourn by 3:30 pm ---

Next Regular Meeting: February 5, 2020, 1:30 pm
 City of SLO Council Chambers
 990 Palm Street, San Luis Obispo CA

<http://www.slocountywater.org/site/Water%20Resources/Advisory%20Committee>

Purpose of the Committee:

To advise the County Board of Supervisors concerning all policy decisions relating to the water resources of the San Luis Obispo County Flood Control and Water Conservation District. To recommend to the Board of Supervisors specific water resource and water conservation programs with recognition of the economic and environmental values of the programs. To recommend methods of financing water resource programs.

Excerpts from WRAC By-Laws dated August 20, 2019

MINUTES (DRAFT)

Chairperson: Andy Pease
Vice Chairperson: Linda Seifert
Secretary: Ray Dienzo

The following action minutes are listed as they were acted upon by the Water Resources Advisory Committee (WRAC) and as listed on the Regular Meeting agenda for **October 2nd, 2019** together with staff reports and related documents attached thereto and incorporated therein by reference.

The audio recording of the meeting and materials submitted to the WRAC are available online: <http://www.slocountywater.org/site/Water%20Resources/Advisory%20Committee>

Call to order at 1:30 PM

1. Determination of a Quorum and Introductions

A quorum of 16 is established.

2. Approval of September 4, 2019 Meeting Minutes

L. Seifert identifies a spelling error of "Seifert" in previous minutes.

A motion by Member C. Mulholland which is seconded by Member J. Garing to approve corrected meeting minutes. (13-0-2)

3. Ongoing Updates:

a. Rain & Reservoir Report

There are no comments

b. Groundwater Basin Management Efforts

Member C. Mulholland comments on the plan for the groundwater basin in Paso Robles and states they estimate 5 years to enact pumping reduction ordinance. C. Mulholland also comments that there must be intermediate plan to control current over pumping (12,000 acre-ft/year).

Member E. Greening asks how the ordinance will incorporate responses to comments.

Member G. Grewal states comments were due and are available online for review.

Member G. Grewal also comments on a LAFCO meeting that discussed 33,000 acres have been detached from the San Juan district and are now the county's responsibility.

Member M. Broadhurst mentions SLO valley ground water basin Chapters 1 and 2 are now posted for public review.

c. Integrated Regional Water Management (IRWM)

The projects that were selected should have some responses from EWR shortly, it is undetermined when the funds for the projects will be available.

d. Stormwater Resource Plan (SWRP)

No comments

e. Various County Water Programs, Policies, and Ordinances

No comments

f. Open Reporting on Water Conservation Opportunities & Information

No comments

4. Presentation on Baseflow Results for In-stream Requirements for Ecosystem Species by

Aleksandra Wydzga from Creek Lands Conservation

Creek Lands Conservation Hydrologist, Aleksandra Wydzga introduces her organization and states that the presentation will focus on a study conducted to measure stream and river flow.

The elements of the presentation are as follows:

- Creek Lands Conservation is a member of the Central Coast Water Conservancy that works to conserve and enhance land-water resources, and identify healthy aquatic ecosystems by using Steelhead Trout as an indicator species.
- The study supported a multi-beneficial outcome to determine feasibility of retrofitting Fox Hollow reservoir to divert winter peak flows and release to Cuesta Park. It also focuses on Santa Rosa creek to restore aquifers that could benefit farmers.
- Steelhead trout swim into freshwater bodies to lay eggs, and the juvenile steelheads will remain there for 1-3 years. Rainbow trout do not grow as large and remain in freshwater, but they are genetically the same as steelheads.
- Their study measured low flow in the spring and summer, one time each, at 57 sites for the years 2015-2018.
- Environmental water demand of juvenile trout requirements was based on a prior study with demands of 0.5-4 cfs and 0.25-1 cfs in the spring and summer respectively.
- Standards for very dry to very wet rain years were determined by yearly rainfall measurements collected from a Cal Poly rain gage that has collected 148 years of data. Maximum and minimum rain falls for the past 148 years are 55 and 8 inches respectively.

- In 2015, annual precipitation totals were very dry, 2016 was average, 2017 was very wet, and 2018 was dry.
- In the drought years, as expected, the study found that very few locations met the environmental water demand. In 2017, 45% of sites met the demand for the summer season, and the survival of steelhead depended on existing supplemental flows.
- Data from the study is available on creeklands.org.
- Following the presentation, A. Wyzga confirms future studies' primary water quality variable will be temperature in response to E. Greening's question. Member G. Grewal asks about studies in Salinas, and A. Wyzga states it is being incorporated slowly as funding is available. A. Wyzga addresses a question by D. Chipping and states that watersheds have been grouped based on to DNA connection, and fish both wander and remain in their watershed. A. Wyzga responds to T. Gray's question on the consideration of check dams by stating it is beyond current regulations, but they are working on ephemeral channels.

5. Not Used

6. Consider Approving George Kendall as Agriculture At-Large Member; Consider Forming a Subcommittee to Review Other Applications

A motion by C. Mulholland is seconded by T. Walters to approve G. Kendall as an Agriculture At-Large member. Voice vote is unanimous.

R. Dienzo states that there are some vacancies, and as applications come in a subcommittee could review them. It is compromised that application review by WRAC members will be added to future agendas.

7. Updates from Other Agencies on Water Issues Relevant to Their Group or Agency

County Farm Bureau Representative J. Green comments on the Bureau's work in developing GSP for the Paso and SLO ground water basins. Additionally, they are monitoring the Paso basin offset ordinance and hydrogeologic study of the Adelaide area, and working with the regional water board's Agriculture order.

Estrella El Pomar Representative H. Graves comments on monitoring the final draft of ground water sustainability plan. H. Graves gives her opinion on the offset ordinance's effect of initial increase in demand for planting is now countered with potential overdraft increases if the offset were removed. H. Graves suggests that the county's goal through the ordinance of reducing

pumping is not sustainable without a multifaceted response. H. Graves comments that more knowledge on the basin is needed along with agricultural representation. H. Graves provides a personal view that evapotranspiration rates should be used instead of historic water use to establish pumping needs.

8. Discuss Future Agenda Items

Add the review of applications for memberships when they are available.

9. Public Comment

P. Wilmore clarifies that the current offset ordinance prohibits sending sites to be in the red zone.

C. Mulholland recommends a tribune article on the San Joaquin Valley.

D. Chipping suggest, in the future, bringing the results from SkyTEM's flights in front of the WRAC board.

E. Greening mentions that contracts around the state water project are going to need to be renegotiated in 2030s.

A. Pease states that in a few weeks there will be a presentation by Green Goods company

Meeting Adjourned at 3:05 pm.

Water Resources Advisory Committee - Roll Call Vote Form
Meeting Date: 10/2/19

QUORUM (MIN. 12) : 16

Organization	Representative	MOTION 1				MOTION 2				MOTION 3				MOTION 4				
		AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT	
District 1	Dennis Loucks	M	X															
	(Vacant)	A																
	(Vacant)	M																
District 2	Neal MacDougall	A																
	(Vacant)	M																
District 3	Linda Seifert	M	X															
	Natalie Risner	A																
District 4	Jim Garing	M	X															
	(Vacant)	A																
District 5	Greg Grewal	M			X													
	(Vacant)	A																
AT-LARGE																		
Agriculture At-Large	Kurt Bollinger	M																
	(Vacant)	A																
Agriculture At-Large	(Vacant)	M																
	(Vacant)	A																
Development At-Large	Greg Nester	M																
	Tim Walters	A	X															
Environmental At-Large	Christine Mulholland	M	X															
	(Vacant)	A																
Environmental At-Large	Eric Greening	M	X															
	(Vacant)	A																
Environmental At-Large	David Chipping	M	X															
	Stephnie Wald	A																
RCDs																		
Coastal San Luis RCD	Linda Chipping	M	X															
	Rob Rutherford	A																
Upper Salinas RCD	Michael Broadhurst	M																
	Tom Mora	A																
OTHERS																		
Atascadero Mutual	John Neil	M																
	Jaime Hendrickson	A																
California Men's Colony	Scott Buffaloe	M																
	Mike Schwartz	A																
Camp SLO	John Reid	M																
	Jubilee Satele	A																
County Farm Bureau	George Kendall (Steve Carter * new)	M																
	James Green	A	X															
Cuesta College	(Vacant)	M																
	(Vacant)	A																
Golden State Water	Anthony Lindstrom	M																
	Adrian Combes	A																
Shandon-San Juan Water District	Stephen Sinton	M																
	Kevin Peck	A																
Estrella El Pomar Creston Water District	Lee Nesbit	M																
	Hilary Graves	A	X															
CITIES																		
City of Arroyo Grande	Lan George	M																
	Kristen Barneich	A																
City of Atascadero	Charles Bourbeau	M																
	Nick DeBar	A																
City of Grover Beach	Desi Lance	M	X															
	(Vacant)	A																
City of Morro Bay	Marlys McPherson	M																
	Rob Livick	A																
City of Paso Robles	Christopher Alakel	M																
	Kirk Gonzales	A																
City of Pismo Beach	Marcia Guthrie	M																
	Shelia Blake	A																
City of San Luis Obispo	Andy Pease	M	X															
	Carlyn Christianson	A																
CSDs																		
Avila Beach CSD	Brad Hagemann	M																
	(Vacant)	A																
Cambria CSD	Melissa Bland	M																
	John Allichin	A																
Heritage Ranch CSD	Scott Duffield	M																
	Jason Molinari	A																
Los Osos CSD	Chuck Cesena	M																
	Renee Osborne	A																
Nipomo CSD	Craig Armstrong	M			X													
	Ed Eby	A																
Oceano CSD	Cynthia Replogle	M	X															
	Shirley Gibson	A																
San Miguel CSD	(Vacant)	M																
	(Vacant)	A																
San Simeon CSD	Charles Grace	M																
	Renee Osborne	A																
Templeton CSD	Tina Mayer	M																
	Geoff English	A																
			13	0	2													

MOTION 1

Item #: 2 Pass/Fail?: Pass

Motion Maker: C. Mulholland Second: J. Garing

AYE: 13 NO: 0 ABSTAIN: 2 ABSENT:

Minutes - correct L. Seifert spelling

MOTION 2

Item #: 6 Pass/Fail?: Pass

Motion Maker: C. Mulholland Second: T. Walters

AYE: NO: ABSTAIN: ABSENT:

voice vote: unanimous

MOTION 3

Item #: Pass/Fail?:

Motion Maker: Second:

AYE: NO: ABSTAIN: ABSENT:

MOTION 4

Item #: Pass/Fail?:

Motion Maker: Second:

AYE: NO: ABSTAIN: ABSENT:

WATER RESOURCES ADVISORY COMMITTEE (WRAC) 2019

Organization	Representative	Member	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SUPERVISOR DISTRICT														
District 1	Dennis Loucks	M				X	X				X	X		
	(Vacant)	A												
District 2	Tom Gray	M		X	X	X						X		
	Neal MacDougall	A												
District 3	Linda Seifert	M		X	X		X				X	X		
	Natalie Risner	A												
District 4	Jim Garing	M		X		X	X				X	X		
	(Vacant)	A												
District 5	Greg Grewal	M		X		X	X	X				X		
	(Vacant)	A												
AT-LARGE														
Agriculture At-Large	Kurt Bollinger	M												
	(Vacant)	A												
Agriculture At-Large	(Vacant)	M		X	X									
	(Vacant)	A												
Development At-Large	Greg Nester	M												
	Tim Walters	A		X	X	X	X				X	X		
Environmental At-Large	Christine Mulholland	M				X	X	X			X	X		
	(Vacant)	A		X	X									
Environmental At-Large	Eric Greening	M		X	X	X		X			X	X		
	(Vacant)	A												
Environmental At-Large	David Chipping	M		X	X	X	X	X			X	X		
	Stephnie Wald	A		X	X	X	X				X	X		
RCDs														
Coastal San Luis RCD	Linda Chipping	M		X	X	X	X	X			X	X		
	Rob Rutherford	A												
Upper Salinas RCD	Michael Broadhurst	M												
	Tom Mora	A		X	X		X	X			X			
	Devin Best	O									X			
OTHERS														
Atascadero Mutual	John Neil	M												
	Jaime Hendrickson	A		X				X			X			
California Men's Colony	Scott Buffaloe	M												
	Mike Schwartz	A												
Camp SLO	John Reid	M		X	X	X	X	X			X			
	Jubilee Satele	A												
County Farm Bureau	George Kendall	M		X		X		X			X			
	James Green	A		X	X	X					X	X		
	Steve Carter *													
Cuesta College	(Vacant)	M												
	(Vacant)	A												
Golden State Water	Anthony Lindstrom	M		X	X	X		X			X			
	Adrian Combes	A				X	X							
Shandon-San Juan Water District	Stephen Sinton	M			X	X	X	X			X			
	Kevin Peck	A		X										
Estrella-El Pomar-Creston Water District	Lee Nesbit	M		X			X							
	Hilary Graves	A									X			
CITIES														
City of Arroyo Grande	Lan George	M		X		X		X			X			
	Kristen Barneich	A												
City of Atascadero	Charles Bourbeau	M			X									
	Nick DeBar	A			X									
City of Grover Beach	Desi Lance	M		X	X	X	X	X			X	X		
	(Vacant)	A												
City of Morro Bay	Marlys McPherson	M					X				X			
	Rob Livick	A												
City of Paso Robles	Christopher Alakel	M												
	Kirk Gonzalez	A					X							
	Keith Larson	O												
City of Pismo Beach	Marcia Guthrie	M												
	Sheila Blake	A												
	Chad Stoehr	O				X						X		
City of San Luis Obispo	Andy Pease	M		X	X	X	X	X			X	X		
	Carlyn Christianson	A												
	Aaron Floyd	O					X				X			
	Mychal Boerman	O		X	X	X		X			X	X		
CSDs														
Avila Beach CSD	Brad Hagemann	M												
	(Vacant)	A												
Cambria CSD	Melissa Bland	M												
	John Allchin	A												
	Amanda Rice	O												
Heritage Ranch CSD	Scott Duffield	M												
	Jason Molinari	A												
Los Osos CSD	Chuck Cesena	M		X	X			X						
	Renee Osborne	A			X			X						
Nipomo CSD	Craig Armstrong	M		X	X	X	X	X				X		
	Ed Eby	A		X		X	X	X			X	X		
	Mario Iglesias	O						X						
Oceano CSD	Cynthia Replogle	M		X		X	X	X			X	X		
	Shirley Gibson	A			X	X		X			X			
	Paavo Ogren	O												
San Miguel CSD	(Vacant)	M												
	(Vacant)	A												
San Simeon CSD	Charles Grace	M												
	Renee Osborne	A						X						
Templeton CSD	Tina Mayer	M												
	Geoff English	A						X			X			
STAFF														
Board of Supervisors		Staff												
Agricultural Commissioner	Lynda Auchinachie	Staff		X	X	X					X			
Planning and Building		Staff												
Public Health Services	Leslie Terry	Staff												
		Staff												
Public Works	Courtney Howard	Staff												
	Ray Dienzo	Staff		X	X	X	X	X						
	Mladen Bandov	Staff		X	X	X								
	Brendan Clark	Staff		X	X	X		X						
	Sarah Crable	Staff		X	X	X	X					X		

Notes: M = Member; A = Alternate Member; O = Other Representative (Staff, Council, Board, etc.)

* BOS approved 11/5/19

**WATER RESOURCES ADVISORY COMMITTEE (WRAC)
GUEST LIST 2019**

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

NAME	AFFILITATION (if any)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Patricia Wilmore	Paso Robles Wine Country Alliance	/	X	X	X	X	X	/	/		X	/	
Jean-Pierre Wolff	RWQCB	/						/	/	X		/	
Willy Cunha	Shandon-San Juan Water District	/	X					/	/			/	
Mary Margaret McGuine	SSCSD	/	X	X				/	/			/	
Devin Best	USLTRCD	/						/	/	X		/	
Charlie Cote	S+T Mutual Water Co Los Osos	/			X			/	/			/	
Brent Burchett	SLOCounty Farm Bureau	/		X				/	/			/	
Harold Wright	Public Works	/			X			/	/			/	
Arielle Ellis	Golden State Water	/			X			/	/			/	
John Snyder		/				X		/	/			/	
Cheryl Cunway	Cayucos Citizens Advisory Council	/				X		/	/			/	
Dominic Roques	Central Coast Waterboard	/						/	/	X		/	
Mark Zimmer	Golden State Water	/						/	/	X		/	
Mark Scrudato	Santa Barbara County Water Agency	/						/	/	X		/	
		/						/	/			/	
		/						/	/			/	

TO: Water Resources Advisory Committee

FROM: Ray Dienzo, Supervising Water Resources Engineer

DATE: December 4, 2019

SUBJECT: Agenda Item 3: Ongoing Updates

Recommendation

Receive updates on various ongoing efforts.

Discussion

- a) **Rain & Reservoir Report:** See attached report.
- b) **Groundwater Basin Management Efforts**

BOARD OF SUPERVISORS MEETINGS AND BASIN UPDATES:

Basin	Update:
Los Osos Basin Fringe Area	<p>The Sustainable Groundwater Management Act (SGMA) requires DWR to reassess groundwater basin prioritization any time it updates Bulletin 118 basin boundaries. On April 30, 2019, DWR published the Draft SGMA 2019 Basin Prioritizations based on the 2019 Basin Boundary Modifications. Below are DWR’s draft prioritizations for Los Osos Basin.</p> <ul style="list-style-type: none"> • <u>Los Osos Area Subbasin</u> (adjudicated area) is listed as very low priority for SGMA¹ and in critical conditions of overdraft². Under SGMA, the court approved adjudicated area is exempt from the requirements of SGMA. • <u>Warden Creek Subbasin</u> is listed as very low priority for SGMA¹ <p>For more information on DWR’s basin prioritization process, please visit: https://water.ca.gov/Programs/Groundwater-Management/Basin-Prioritization</p>
Atascadero Basin	<ul style="list-style-type: none"> • The Atascadero Basin was re-prioritized to a “very low” priority basin by DWR in 2018 and is, therefore, not subject to SGMA requirements. • The Executive Committee of the Atascadero Basin GSA has approved continuing with preparation of a GSP by January 31, 2022 in order to remain eligible for the Atascadero Basin’s awarded GSP Development Grant Funds <p>For more information about the Atascadero Basin GSA and GSP Development efforts, please visit: www.atascaderobasin.com</p>
Santa Maria Basin	<ul style="list-style-type: none"> • April 30, 2019 – The State Department of Water Resources (DWR) released the Draft SGMA 2019 Prioritization (Phase 2). Below are DWR’s draft prioritizations for Santa Maria Basin.

¹ As noted by DWR, the priority for the subbasin has been set to very low (0 total priority points) as a result of conditions being met under the sub-component C of the Draft SGMA 2019 Basin Prioritizations.

² Critical conditions of overdraft have been identified in 21 groundwater basins as described in Bulletin 118 (Water Code Section 12924). Bulletin 118 (updates 2003) defines a groundwater basin subject to condition of critical overdraft as: “A basin is subject to critical conditions of overdraft when continuation of present water management practices would probably result in significant adverse overdraft-related environmental, social, or economic impacts.”

<p>Fringe Area</p>	<ul style="list-style-type: none"> ○ Santa Maria Subbasin – very low priority. This subbasin consists of an adjudicated area and other non-adjudicated fringe areas. However, only the priority of the non-adjudicated fringe areas was assessed, which include the Ziegler Canyon Fringe Area in San Luis Obispo County and other fringe areas in Santa Barbara County. ○ Arroyo Grande Subbasin – very low priority. <p>For more information on DWR’s basin prioritization process, please visit: https://water.ca.gov/Programs/Groundwater-Management/Basin-Prioritization</p> <ul style="list-style-type: none"> ● The development of a GSP for the Arroyo Grande Subbasin is being considered pending final basin re-prioritization results. County staff has been reaching out to the City of Arroyo Grande GSA and other stakeholders in the subbasin regarding the development of a GSP that will include an integrated approach to surface water and groundwater management. The County has also accepted a GSP grant funding award from DWR and is now moving ahead in the consultant procurement process.
<p>Paso Robles Basin</p>	<ul style="list-style-type: none"> ● On November 20, 2019, the Paso Basin Cooperative Committee voted unanimously to recommend that each Paso Basin GSA adopt the Paso Basin GSP. ● On December 17, 2019 the County Board will consider adopting the Paso Basin GSP and related actions. <p>The next regular meeting of the Paso Basin Cooperative Committee is anticipated early Spring 2019.</p>
<p>Cuyama Basin</p>	<p>Wednesday, December 4, 2019 - CBGSA Board of Directors will meet to adopt the Final GSP and discuss the annual report.</p> <p>For more information on meeting details, please visit: www.cuyamabasin.org.</p>
<p>San Luis Obispo Basin</p>	<ul style="list-style-type: none"> ● December 11, 2019 - A Groundwater Sustainability Commission (GSC) regular meeting will be held. The GSC will review and comment on draft GSP Chapter 3 (Description of Plan Area) and Chapter 4 (Basin Setting). The consultant team will also present overviews and updates on: basin groundwater conditions, geophysical survey results, water budget, and integrated groundwater and surface water modeling efforts. Visit the new SLO Basin web portal noted below to review the chapters and provide comments. All written comments submitted to the GSAs will be posted online for viewing. The comment period for draft GSP Chapters 1 & 2 closed on October 31, 2019. ● Other Upcoming GSP Sections/Chapters and/or Milestones in Winter 2019-2020: <ul style="list-style-type: none"> ○ Chapter 5: Groundwater Conditions ○ Chapter 6: Water Budget ○ Quarterly Newsletter Vol. 3 ○ Workshop #2: Sustainability Vision and Goals for the SLO Basin

	<ul style="list-style-type: none"> • For additional San Luis Obispo Valley Groundwater Basin information or register as an interested party, please visit the newly launched SLO Basin Groundwater Communication Portal: www.slowaterbasin.com • Interested parties are encouraged to participate in the basin specific efforts by attending workshops and meetings of the GSC for the San Luis Obispo Basin.
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County NEW SGMA website – The County has just recently created a **NEW** county SGMA website with different format and structure. All old website addresses are now being re-directed to the **NEW** website location. An interactive mapping tool is available for each medium and high priority basin in the county. Residents can verify whether a specific parcel is within a priority basin boundary, and, therefore, whether the parcel is subject to SGMA requirements. The following website also includes other informative materials, such as SGMA fact sheets and recent presentation materials. Visit the **NEW** website and basin-specific page links, and to sign up for the County's SGMA email list.

<http://www.slocounty.ca.gov/sgma>

WRAC members and interested stakeholders are encouraged to join the various mailing lists for groundwater basin management efforts:

San Luis Obispo County's SGMA Mailing List

<http://www.slocounty.ca.gov/sgma>

California Department of Water Resources (DWR) SGMA Mailing List

<http://www.water.ca.gov/groundwater/sgm/subscribe.cfm>

c) Integrated Regional Water Management (IRWM)

The IRWM plan update is substantially complete. The RWMG will be hosting a public draft presentation in February 2020. Local review and comment on the plan will be in parallel with DWR's review. These two reviews will be combined into a final plan for adoption by the SLO County Flood Control and Water Conservation District, and then other RWMG member agencies.

The Prop 1 Implementation Grant will be submitted mid-December to DWR. The Board of Supervisors authorized the Director of Public Works to file the application at the 11/19 regular BOS meeting.

To stay up-to-date on all things IRWM, RWMG, & Prop 1 Grant, sign up for the email list, located at: www.slocounty.ca.gov/irwm.

For questions, contact:

Brendan Clark, IRWM Program Manager

Email: bclark@co.slo.ca.us

Phone: (805) 788-2316

d) Stormwater Resource Plan

California Senate Bill No. 985 requires the development of a stormwater resource plan (SWRP) for public agencies to receive grant funds for stormwater and dry weather runoff capture projects.

The City of Arroyo Grande and the County of San Luis Obispo collaborated on the development of a region-wide SWRP. The SWRP must be compliant with the State Water Board's SWRP Guidelines adopted December 15, 2015 and the California Water Code Section 10561-10573. The work completed by the City of Arroyo Grande with Grant Agreement D1612607 is being combined with Task 12 of the County's Department of Water Resources IRWM Planning Grant (Agreement No. 4600011892).

The goals of the County of San Luis Obispo SWRP are to 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 programmatic actions.

Project Updates

- The Final SWRP is currently being reviewed by the State Water Resources Control Board. Concurrence is expected in October 2019.
- The Final SWRP report and appendices are available for viewing on the County's website: www.slocounty.ca.gov/pw/swrp
- Solicitation for Proposition 1- Implementation Round 2 grant funding is expected to open in late 2019 and close Spring 2020. Approximately \$90 million is available statewide.

For more information, visit the County of San Luis Obispo's SWRP website and/or sign up for the mailing list at www.slocounty.ca.gov/pw/swrp.

For questions, contact:
Sarah Crable, SWRP Project Manager
Email: scrable@co.slo.ca.us
Phone: (805) 788-2760

e) Various County Water Programs, Policies, and Ordinances

Amending the Water Neutral New Development Ordinances for the Paso Robles Groundwater Basin

On June 18, 2019, the Board directed staff to consider amendments to Title 19 and Title 22 to extend the 1:1 water offset requirement for new construction and for new and expanded irrigated crop production overlying the Paso Robles Groundwater Basin. This offset requirement is currently set to expire with the adoption of the Groundwater Sustainability Plan (GSP). The proposed amendments extend the expiration date for five years until January 2025 to allow time for the new management actions established by the GSP to be implemented, so there is not a "gap". The proposed amendments also modify the Agriculture Offset Ordinance to 1) eliminate the option of transferring water credits off-site, 2) include a water duty factor for hemp, 3) include a process for issuing water duty factors for unlisted crops, and 4) include a method for determining historic on-site water use. On September 12, 2019, the Planning Commission recommended approving the proposed amendments with the exception of preserving the ability to transfer water credits off-site for the Ag Offset Program. The Board hearing is scheduled for November 5, 2019. For more information, visit

www.slocountywwcp.org/prgwb-new-ag or contact Kip Morais at (805) 781-5136 or kmorais@co.slo.ca.us.

Countywide Water Conservation Program

<http://www.slocountywwcp.org>

Paso Robles Groundwater Basin (PRGWB) and the Nipomo Mesa Water Conservation Area (NMWCA) – The County is continuing to process building permits that are subject to the fees of the PRGWB and the NMWCA. The Cash for Grass program offers \$1 per square foot up to a maximum rebate amount of \$6,000 per household. The Washer Rebate Program offers \$250 per household when replacing an old washer with a new water efficient washer (replacement must save at least 15 gallons). The Plumbing Retrofit Program offers homeowners the opportunity to replace old fixtures with new water efficient fixtures in their homes (limited to 2 toilets, 2 showerheads, and 2 faucet aerators) at no cost from the homeowner.

Los Osos – The retrofit to build program within the community of Los Osos is allowing property owners to retrofit washers within and outside the prohibition zone to acquire retrofit credits. At this time, to earn enough credits to build one single family residence (300 credits), a property owner would need to replace 6-8 washers; a total cost ranging between \$4,000-\$6,000.

For questions, contact Kylie Hensley at khensley@co.slo.ca.us or (805) 781-4979.

f) Open Reporting on Water Conservation Opportunities & Information

WRAC members or members of the public may openly report on any topic related to water conservation including opportunities to be a part of a water conservation focus group, reporting back on water conservation groups that they are a part of, or providing information on water conservation items.

g) WRAC 2020 Schedule

See attached schedule

Rainfall and Reservoir Update

Sub-Region	Area / Rain Station	Average Annual Rainfall	2018-19 Water Year Total Rainfall	2019-20 Water Year												Cumulative Total	% of Total Average
				July 19	Aug 19	Sep 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20		
North Coast	Cambria (ALERT #717)	22.0	26.2 (119%)	0	0	0	0	0 A								0	0%
	Whale Rock Reservoir (County Site #166.1)	16.0	16.2 (101%)	0	0	0	0	0 A								0	0%
Inland	Paso Robles (County Site #10.0)	14.1	20.6 (146%)	0	0	0	0	0 A								0	0%
	NE Atascadero (ALERT #711)	17.0	18.9 (111%)	0	0	0	0	0 A								0	0%
	Atascadero MWC (County Site #34.0)	17.5	24.7 (141%)	0	0	0	0	0								0	0%
	Santa Margarita (ALERT #723)	24.0	29.3 (122%)	0	0	0	0	0 A								0	0%
	Salinas Dam (County Site #94)	20.9	35.3 (169%)	0	0	0	0	0 A								0	0%
	Rocky Butte (ALERT #703)	40.0	52.3 (131%)	0	0	0	0	0 A								0	0%
South Coast	SLO Reservoir (ALERT #749)	24.0	26.6 (111%)	0	0	0	0	0.04 A								0.04	0%
	Lopez Dam (ALERT #737)	21.0	26.3 (125%)	0	0	0.01	0	0.07 A								0.08	0%
	Nipomo South (ALERT #730)	16.0	16.9 (106%)	0.04	0.04	0	0	0.08 A								0.16	1%
	Nipomo East (ALERT #728)	18.0	20.3 (113%)	0	0	0	0	0 A								0	0%

A - Report generated at 10:30 PM, on 08/13/2019
 B - Due to an equipment malfunction, not all rain was recorded at this site.
 C - Information not available at time of update

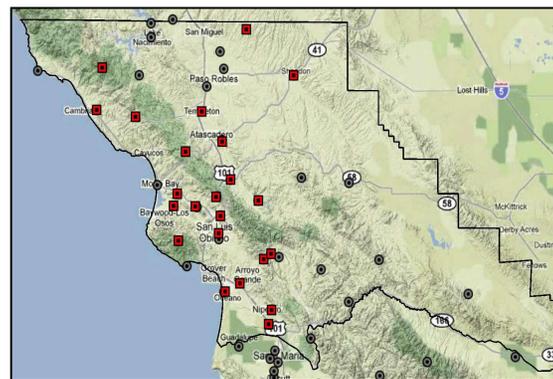
Notes:
 This table contains provisional data from automated gauges and has not been verified.
 All units reported in inches.

Reservoir Update

Reservoir	Date	Water Elevation (ft)	Spillway Elevation (ft)	Storage (acre-feet)	Capacity (%)
Nacimiento Reservoir	November 25, 2019	755.6	787.75 - 800.0 (wigates fully inflated)	170,686	45%
	November 25, 2018	703.8		40,620	11%
San Antonio Reservoir	November 29, 2019	723.3	780.0	111,988	33%
	November 29, 2018	684.8		42,000	13%
Lopez Reservoir	November 25, 2019	491.1	522.7	25,605	52%
	November 25, 2018	480.1		19,726	40%
Salinas Reservoir (Santa Margarita Lake)	November 25, 2019	1,295.5	1300.7	20,224	85%
	November 25, 2018	1,293.0		18,665	78%
Whale Rock Reservoir	November 25, 2019	205.0	218.3	32,686	84%
	November 25, 2018	196.4		28,532	73%
Twitchell Reservoir	November 25, 2019	535.3	651.5	1,133	1%
	November 25, 2018	570.2		22,963	12%

Note 1: Historically, Twitchell Reservoir elevation gauge does not report values below 539 ft. Twitchell Reservoir was designed for protection from flood and drought. Excess rain runoff is stored in the reservoir protecting the valley from flood, then water is released as quickly as possible while still allowing it to recharge the groundwater basin.
Note 2: In May 2014, the Whale Rock Commission adopted a new Bathymetric Study and Volumetric Analysis with new lake

Select Real-Time Rain Gauges in SLO County



Notes:
 Sites maintained by County staff are identified with red squares.
 Sites maintained by other agencies are identified with black circles.
 For more information, please contact Joe Betancourt, (805)781-2767.

San Luis Obispo County Flood Control and Water Conservation District
Water Resources Advisory Committee (WRAC)

2020 Regular Meeting Schedule

January	February 5	March 4
No Meeting	City of SLO Council Chambers, 990 Palm St, San Luis Obispo 1:30 PM to 3:30 PM	City of SLO Council Chambers, 990 Palm St, San Luis Obispo 1:30 PM to 3:30 PM <i>Election of Officers and By-Laws Updates</i>
April 1	May 6	June 3
City of SLO Council Chambers, 990 Palm St, San Luis Obispo 1:30 PM to 3:30 PM <i>District Budget</i>	San Luis Obispo Library Community Room 995 Palm St, San Luis Obispo 1:30 PM to 3:30 PM	San Luis Obispo Library Community Room 995 Palm St, San Luis Obispo 1:30 PM to 3:30 PM
July	August	September 2
No Meeting	No Meeting	SLO Library Community Room SLO City/County Library 995 Palm Street 1:30 PM to 3:30 PM
October 7	November 4	December 2
San Luis Obispo Library Community Room 995 Palm St, San Luis Obispo 1:30 PM to 3:30 PM	San Luis Obispo Library Community Room 995 Palm St, San Luis Obispo 1:30 PM to 3:30 PM	San Luis Obispo Library Community Room 995 Palm St, San Luis Obispo 1:30 PM to 3:30 PM <i>WRAC Membership</i>

Website: <http://www.slocountywater.org/site/Water%20Resources/Advisory%20Committee>

For any questions, please contact:

San Luis Obispo County Public Works Department
County Government Center, Room 206
San Luis Obispo, CA 93408

Ray Dienzo, WRAC Secretary
rdienzo@co.slo.ca.us
(805) 788-2110

TO: Water Resources Advisory Committee

FROM: Ray Dienzo, Supervising Water Resources Engineer

DATE: December 4, 2019

SUBJECT: Agenda Item 4: Presentation on Urban Water Loss Audits and Leak Detection Technologies by City of San Luis Obispo

Recommendation

Receive presentation on Urban Water Loss Audits and Leak Detection Technologies by City of San Luis Obispo

Discussion

Senate Bill 555 recently required urban water retailers to submit validated water loss audits annually. The City of San Luis Obispo has recognized that through better management of infrastructure replacement, leak detection, and metering strategy, the City can reduce water loss substantially.

This presentation will review the water loss audit regulation and provide examples of technologies and strategies that can be used to monitor and reduce water loss.

TO: Water Resources Advisory Committee

FROM: Ray Dienzo, Supervising Water Resources Engineer

DATE: December 4, 2019

SUBJECT: Agenda Item 6: Updates from Agencies on Water Issues Relevant to Their Group or Agency

Recommendation

Receive verbal updates from Agencies' members or member alternates on water issues relevant to their group. This is an opportunity for any Agency who postponed their scheduled opportunity to provide an update.

Discussion

Article II.8 of the WRAC By-laws state, "Members are encouraged to provide an update on water resource issues relevant to their group or agency at least once per year."

These updates should bring issues that are important to each group that would foster a flow of ideas that may develop into County-wide significance.

TO: Water Resources Advisory Committee

FROM: Ray Dienzo, Supervising Water Resources Engineer

DATE: December 4, 2019

SUBJECT: Agenda Item 7: Discuss Future Agenda Items

The WRAC Secretary, in cooperation with the Chairperson, prepares the agenda for each WRAC meeting. Inclusion of suggested future agenda items on the agenda will be limited to include review for consistency with District and Board of Supervisors priorities, the mandate of the WRAC, and available time.

Areas of Interest - Scheduled

- Mark Battany – soil moisture, evapotranspiration – First quarter 2020

Areas of Interest - Future

- Consider Recreational Resources to be under purview of WRAC
- Update in policy related to groundwater in fractured rock
- Update on Salinas Reservoir Dam Project
- Well permitting regulation as a tool for groundwater management
- Desalination opportunities
- Fracture Rock Areas Hydrogeologic Studies
- Nacimiento and San Antonio Lake Tunnel Project

Ongoing Updates/Regular Items – can be seen in the previous month’s agenda

Excerpt from WRAC By-laws dated August 20, 2019

Administration: The Secretary, in cooperation with the Chairperson, shall prepare the agenda for each regular and special meeting of the WRAC. Any WRAC member may contact the Secretary and Chairperson and request that an item be placed on the regular meeting agenda no later than 4:30 p.m. twelve calendar days prior to the applicable meeting date. Such a request must be also submitted in writing either at the time of communication with the Secretary or delivered to the County Public Works Department within the next working day. Consideration of the request by the Secretary, in cooperation with the Chairperson, for inclusion on the agenda will be limited to include review for consistency with District and Board of Supervisors priorities, the mandate of the WRAC, and available time.