

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

City/County Library Community Room
995 Palm Street, San Luis Obispo CA

Wednesday, November 7, 2018
1:30 pm

AGENDA

1.	Determination of a Quorum and Introductions	1:30 pm
2.	Approval of September 5, 2018 Meeting Minutes	1:35 pm
3.	Ongoing Updates: <ul style="list-style-type: none"> 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. Environmental Health Website Water Quality information 	1:45 pm
4.	Presentation on Fox Canyon Groundwater Management Agency Advanced Metering Infrastructure and Water Market Programs, by Arne Anselm, Deputy Director of Ventura County Watershed Protection District.	2:00 pm
5.	Report from Ad-Hoc Subcommittee on Additional Water Conservation Measures that can be submitted to the Board of Supervisors for Their Consideration and Consider Actions	2:30 pm
6.	Presentation on Water Conservation Practices on Winery Operations by Jason Yeager, from Niner Winery and Member representative of Agricultural-At Large	2:45 pm
7.	Discuss Future Agenda Items and Agendize Status Updates from Member Stakeholders	3:15 pm
8.	Public Comment	3:20 pm

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

Next Regular Meeting: December 5, 2018
City/County Library Community Room
995 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 15, 2017

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 **Sept 5, 2018** 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 1:30PM.

1. Determination of a Quorum and Introductions

A quorum of 17 is established (12 is required).

2. Approval of June 6, 2018 Meeting Minutes

A motion by Member C. Armstrong and a second by Member L. Seifert moves to approve the June meeting minutes with no changes. Minutes approved (15-0-4).

3. Ongoing Updates:

a. Rain & Reservoir Report

There are no comments.

b. Groundwater Basin Management Efforts

Member G. Grewal mentions the DWR releasing a new draft consisting of groundwater basins priority changes.

c. Integrated Regional Water Management (IRWM)

There are no comments.

d. Stormwater Resource Plan (SWRP)

County Staff B. Clark states that the SWRP public draft will be available September 10th on the county website for review.

e. Various County Water Programs, Policies, and Ordinances

Megan Martin, Planning staff, informs about a pause on the processing of rebates for programs within the Nipomo Area. Water savings is now less than 75

gallons of being water neutral. The program is expected to restart in about 6 months.

Member E. Greening mentions the potential impacts on water by the expansion of accessory units for farm worker housing.

Member E. Greening mentions the concern over the fractured rock areas not being under regulation of SGMA.

f. Open Reporting on Water Conservation Opportunities & Information

There are no comments.

4. Consider Forming a Subcommittee to Review the Water and Wastewater Resource Chapters of the Draft 2016-2018 Resource Summary Report

Planning staff, Ben Schuster and Brian Pedrotti, presents about the county resource management system, specifically water supply. This resource management system identifies resource deficiencies and recommends action items.

By hand vote, motion carries, to establish a subcommittee to review the Draft Resource Summary Report. Member T. Walters, Member B. Garfinkel, Member J. Garing, and Member G. Grewal will serve subcommittee members.

5. Consider Adding Estrella-El Pomar-Creston Water District to the Water Resources Advisory Committee (WRAC) Membership

Guest Jerry Reaugh, speaks about the background of the Estrella-El Pomar-Creston (EPC) Water District. Jerry Reaugh states EPC water district represents 30% of human water use in the Paso Robles Groundwater Basin.

Members discusses the decision to recommend EPC water district into the WRAC.

A motion by member S. Sinton and a second by S. Luft moves to recommend the addition of EPC water district into the Water Resources Advisory Committee. Motion carries (20-2-0).

6. Presentation on Hydrologic Restoration in a Semi-Arid Environment by George Kendall, Member representative of the Farm Bureau and Devin Best, Upper Salinas-Las Tablas RCD

Devin Best and George Kendall presents about hydrology restoration, sustainability, and other groundwater related issues. The presentation can be towards conservation and management practices but primarily directed to action taking.

7. Report from Ad-Hoc Subcommittee on Additional Water Conservation Measures that can be submitted to the Board of Supervisors for Their Consideration and Consider Actions

Member L. Chipping reports on the current and proposed measures for water conservation. The sub-committee would want to have stakeholder, organization, and another committee involvement.

8. Discuss Future Agenda Items and Agendize Status Updates from Member Stakeholders

Member J. Yeager will be presenting about winery water conservation.

9. Public Comment

There are no comments.

Meeting adjourns at 3:30PM.

Water Resources Advisory Committee - Roll Call Vote Form
Meeting Date: 9/5/18

Organization	Representative		MOTION 1				Voice Vote				MOTION 3				MOTION 4			
			AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT	AYE	NO	ABSTAIN	ABSENT
DISTRICT																		
District 1	Dennis Loucks	M	X								X							
	(Vacant)	A																
District 2	Bill Garfinkel	M	X							X								
	Neal MacDougall	A																
District 3	Linda Seifert	M	X							X								
	Natalie Risner	A																
District 4	Jim Garing	M			X					X								
	(Vacant)	A																
District 5	Greg Grewal	M	X								X							
	Erin Faulkner	A																
AT-LARGE																		
Agriculture At-Large	Kurt Bollinger	M																
	Patrick Williams	A																
Agriculture At-Large	Jason Yeager	M								X								
	Steve Lohr	A																
Development At-Large	Greg Nester	M																
	Tim Walters	A	X							X								
Environmental At-Large	Sue Luft	M	X							X								
	Christine Mulholland	A																
Environmental At-Large	Eric Greening	M	X							X								
	(Vacant)	A																
Environmental At-Large	David Chipping	M	X							X								
	Stephnie Wald	A																
RCDs																		
Coastal San Luis RCD	Linda Chipping	M	X							X								
	Rob Rutherford	A																
Upper Salinas RCD	Michael Broadhurst	M																
	Tom Mora	A			X					X								
OTHERS																		
Atascadero Mutual	John Neil	M																
	Jaime Hendrickson	A																
California Men's Colony	Scott Buffaloe	M																
	Mike Schwartz	A																
Camp SLO	John Reid	M	X							X								
	Jubilee Satele	A																
County Farm Bureau	George Kendall	M	X							X								
	Joy Fitzhugh	A																
Cuesta College	(Vacant)	M																
	(Vacant)	A																
Golden State Water	Anthony Lindstrom	M			X					X								
	Matthew Hubbard	A																
Shandon-San Juan Water District	Stephen Sinton	M	X							X								
	Kevin Peck	A																
CITIES																		
City of Arroyo Grande	Barbara Harmon	M																
	Kristen Barneich	A																
City of Atascadero	Charles Bourbeau	M			X					X								
	Nick DeBar	A																
City of Grover Beach	Debbie Peterson	M	X							X								
	Jeff Lee	A																
City of Morro Bay	Matt Makowetski	M																
	Rob Livick	A																
City of Paso Robles	Christopher Alakel	M																
	Kirk Gonzales	A			X					X								
City of Pismo Beach	Marcia Guthrie	M																
	Sheila Blake	A								X								
City of San Luis Obispo	Andy Pease	M	X							X								
	Aaron Gomez	A																
CSDs																		
Avila Beach CSD	Brad Hagemann	M																
	(Vacant)	A																
Cambria CSD	Bob Gresens	M																
	Jerry Gruber	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							X								
	Ed Eby	A																
Oceano CSD	James Coalwell	M																
	Andrew Brunet	A																
San Miguel CSD	Anthony Kalvans	M																
	Dan Gilmore	A																
San Simeon CSD	Charles Grace	M																
	Renee Osborne	A																
Templeton CSD	Tina Mayer	M																
	Navid Fardanesh	A																
			15	0	5					20	2	0						

QUORUM (MIN. 12) : 17

MOTION 1

Item #: 2 Pass/Fail?: Pass

Motion Maker: Armstrong Second: Seifert

AYE: 15 NO: ABSTAIN: 5 ABSENT:

Approve June Meeting Minutes - No Changes.

VOICE VOTE

Item #: 4 Pass/Fail?:

Motion Maker: Garfinkel Second: Mora

AYE: NO: ABSTAIN: ABSENT:

Unanimous form a subcommittee **Yes to**

Walters, Bill Garfinkel, Jim Garing, Greg Grewal **-Tim**

MOTION 3

Item #: 5 Pass/Fail?: Pass

Motion Maker: Sinton Second: Sue Luft

AYE: 20 NO: 2 ABSTAIN: 0 ABSENT:

Add EPC Water District

Represents 30% of human water use

MOTION 4

Item #: Pass/Fail?:

Motion Maker: Second:

AYE: NO: ABSTAIN: ABSENT:

WATER RESOURCES ADVISORY COMMITTEE (WRAC) 2018

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	X			X			
	(Vacant)	A												
District 2	Bill Garfinkel	M		X	X	X	X	X						
	Neal MacDougall	A												
District 3	Linda Seifert	M			X		X	X			X			
	Natalie Rtsner	A			X			X						
District 4	Jim Garing	M				X	X				X			
	(Vacant)	A												
District 5	Greg Grewal	M		X	X	X	X	X			X			
	Erin Faulkner	A												
AT-LARGE														
Agriculture At-Large	Kurt Bollinger	M			X									
	Patrick Williams	A												
Agriculture At-Large	Jason Yeager	M		X		X	X	X			X			
	Steve Lohr	A												
Development At-Large	Greg Nester	M												
	Tim Walters	A		X		X	X	X			X			
Environmental At-Large	Sue Luft	M		X	X	X	X	X			X			
	Christine Mulholland	A		X	X	X	X	X						
Environmental At-Large	Eric Greening	M		X	X	X	X	X			X			
	(Vacant)	A		X	X	X								
Environmental At-Large	David Chipping	M		X	X	X	X	X			X			
	Stephnie Wald	A			X									
RCDs														
Coastal San Luis RCD	Linda Chipping	M		X	X	X	X	X			X			
	Rob Rutherford	A												
Upper Salinas RCD	Michael Broadhurst	M												
	Tom Mora	A		X	X	X					X			
	Devin Best	O						X			X			
OTHERS														
Atascadero Mutual	John Neil	M												
	Jaime Hendrickson	A		X	X	X		X						
California Men's Colony	Scott Buffaloe	M												
	Mike Schwartz	A												
Camp SLO	John Reid	M			X	X	X	X			X			
	Jubilee Satele	A				X								
County Farm Bureau	George Kendall	M		X	X	X		X			X			
	James Green	A									X			
Cuesta College	(Vacant)	M												
	(Vacant)	A												
Golden State Water	Anthony Lindstrom	M		X	X	X					X			
	Matthew Hubbard	A												
Shandon-San Juan Water District	Stephen Sinton	M		X	X	X	X	X			X			
	Kevin Peck	A												
CITIES														
City of Arroyo Grande	Barbara Harmon	M		X	X		X							
	Kristen Barneich	A												
City of Atascadero	Charles Bourbeau	M									X			
	Nick DeBar	A												
City of Grover Beach	Debbie Peterson	M		X							X			
	Jeff Lee	A												
City of Morro Bay	Matt Makowetski	M												
	Rob Livick	A												
City of Paso Robles	Christopher Alakel	M												
	Kirk Gonzalez	A		X							X			
	Keith Larson	O												
City of Pismo Beach	Marcia Guthrie	M			X		X	X						
	Sheila Blake	A									X			
	Chad Stoehr	O		X			X	X			X			
City of San Luis Obispo	Andy Pease	M		X	X	X	X	X			X			
	Aaron Gomez	A												
	Aaron Floyd	O		X	X			X			X			
	Carrie Mattingly	O												
	Dean Furakawa	O												
	Mychal Boerman	O		X			X							
CSDs														
Avila Beach CSD	Brad Hagemann	M												
	(Vacant)	A												
Cambria CSD	Bob Gresens	M												
	Jerry Gruber	A												
	Amanda Rice	O												
Heritage Ranch CSD	Scott Duffied	M						X						
	Jason Molinari	A												
Los Osos CSD	Chuck Cesena	M												
	Renee Osborne	A												
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	James Coalwell	M				X								
	Andrew Brunet	A												
	Paavo Ogren	O												
San Miguel CSD	Anthony Kalvans	M												
	Dan Gilmore	A												
San Simeon CSD	Charles Grace	M												
	Renee Osborne	A												
Templeton CSD	Tina Mayer	M		X										
	Navid Fardanesh	A												
STAFF														
Board of Supervisors	Jen Caffee	Staff									X			
Agricultural Commissioner	Lynda Auchinachie	Staff		X		X	X	X						
Planning and Building	Megan Martin	Staff												
	Jane Kim	Staff		X	X		X							
	Brian Pedrotti	Staff												
		Staff												
Public Health Services	Leslie Terry	Staff												
	Megan Lillich	Staff												
Public Works	Courtney Howard	Staff					X							
	Ray Dienzo	Staff		X	X	X	X	X			X			
	Carolyn Berg	Staff									X			
	Mladen Bandov	Staff		X				X						
	Angela Ruberto	Staff												
		Staff		X										

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

TO: Water Resources Advisory Committee

FROM: Ray Dienzo, Supervising Water Resources Engineer

DATE: November 7, 2018

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	<ul style="list-style-type: none"> • On September 26, 2018, the Los Osos Basin Boundary Modification Request (BBMR) application submitted by the Los Osos Basin Fringe Areas – County of San Luis Obispo Groundwater Sustainability Agency (County) was deemed complete by DWR and was posted to DWR’s BBMR on-line portal: https://sgma.water.ca.gov/basinmod/modrequest/submitted. • The DWR public comment period for the Los Osos BBMR closed on October 26, 2018. • DWR is expected to release the Draft BBMR results in November 2018 and Final BBMR results in February 2019.
Atascadero Basin	<ul style="list-style-type: none"> • DWR’s recently released Draft Prioritization of Groundwater Basins designated the Atascadero Basin as “very low priority” and, therefore, no longer subject to SGMA. • The Atascadero Basin GSA will determine whether to continue with development of a Groundwater Sustainability Plan for the Atascadero Basin. • In addition to the County’s Atascadero SGMA Page, further updates on the Atascadero Basin GSA can be found by visiting: http://atascaderobasin.com/
Santa Maria Basin Fringe Area	<ul style="list-style-type: none"> • On September 7, 2018, the Santa Maria Basin Boundary Modification Request (BBMR) application submitted by the Santa Maria Basin Fringe Areas – County of San Luis Obispo Groundwater Sustainability Agency (County) was deemed complete by DWR and was posted to DWR’s BBMR on-line portal: https://sgma.water.ca.gov/basinmod/modrequest/submitted. • The public comment period for the BBMR closes on October 7, 2018, and comments can be submitted online at the above mentioned DWR BBMR portal.

<p>Paso Robles Basin</p>	<ul style="list-style-type: none"> • The Paso Basin Cooperative Committee held two Public Workshops (October 4 and October 8) to provide basin users and interested community members the opportunity to learn more about, and provide initial input on, Sustainable Management Criteria for the Paso Basin GSP. • The next scheduled meeting of the Paso Basin Cooperative Committee is January 23, 2018 at Paso Robles City Council Chambers.
<p>Cuyama Basin</p>	<ul style="list-style-type: none"> • Cuyama Basin GSA Board of Directors holds regular meetings on the 1st Wednesday of every month starting at 4pm in New Cuyama, California. The next Board meeting is November 7th and will discuss sections of the groundwater sustainability plan, as well as the basin model, budget, and outreach. Cuyama Basin GSA includes the Counties of Santa Barbara, San Luis Obispo, Ventura, and Kern, the Cuyama Community Services District, and the Cuyama Basin Water District.
<p>San Luis Obispo Basin</p>	<ul style="list-style-type: none"> • On October 16, the Board approved and submitted a Notification of Intent to initiate development of a groundwater sustainability plan for the San Luis Obispo Valley Groundwater Basin. • Interested parties are encouraged to participate in the basin specific efforts by attending the meetings of the Groundwater Sustainability Commission of the San Luis Obispo Basin (Commission). • The Commission Consultant Selection Committee is currently working on retaining a consultant to develop a groundwater sustainability plan (GSP). The procurement process is anticipated to be completed by early 2019. • The next regular Commission meeting is scheduled on December 12, 2018.

County SGMA website - 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 website also includes other informative materials, such as SGMA fact sheets and recent presentation materials. Visit the website to sign up for the County's SGMA email list, and to visit basin-specific pages at: www.slocountywater.org/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.slocountywater.org/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 Department of Water Resources released the draft proposal solicitation package (PSP) for the Prop 1, Round 1 IRWM Grant in October. They are accepting comments on the draft until Nov. 20th.

Grant website: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Proposition-1/Implementation-Grants>

The RWMG will meet Nov 7th at 10am to discuss the grant opportunity. The meeting is held at the SLO City/County Library Community Room.

To stay up-to-date on all things IRWM, sign up for the email list, located at: <https://slocountywater.org/site/Frequent%20Downloads/Integrated%20Regional%20Water%20Management%20Plan/>

d) Stormwater Resource Plan

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

Currently, the City of Arroyo Grande and the County of San Luis Obispo are collaborating to develop 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.

The SWRP Project Management Team (PMT) is comprised of County Public Works staff, Coastal San Luis and Upper Salinas Las Tablas RCD staff, and staff from the City of Arroyo Grande. The PMT receives feedback and assistance from a Technical Advisory Committee (TAC). The PMT meets monthly to receive updates on deliverables from the Consultant Team and to discuss next steps.

The PMT has compiled a Project List through the solicitation of projects from stakeholders, TAC Leads, and other interested organizations and agencies. Stakeholder and public outreach meetings have been used to disseminate information and to solicit both proposed projects as well as suggested approaches to project prioritization.

Project Updates

- The 30-day public comment period for the DRAFT report closed on October 10, 2018.
- The TAC will have a final chance to review and comment on the DRAFT report from November 15-20, 2018.

- The FINAL report will be submitted to the State Board on November 30, 2018.
- Upon concurrence with the State Board, the SWRP will be submitted to IRWM’s Regional Water Management Group (RWMG) for eventual integration into the IRWMP. The implementation of the SWRP will be overseen by County Staff.

For more information see the County of San Luis Obispo’s SWRP
<https://www.slocounty.ca.gov/Departments/Public-Works/Committees/Stormwater-Resource-Plan.aspx>

For questions, contact:
 Larissa Clarke, SWRP Project Manager
 Email: lclarke@coastalrcd.org
 Phone: (805) 772-4391

e) Various County Water Programs, Policies, and Ordinances

1. COUNTYWIDE WATER CONSERVATION PROGRAM

<http://www.slocountywwcp.org>

Following approval by the Board of Supervisors on July 11, 2017 to amend the Turf Removal Incentive Program (“cash for grass”) and the Plumbing Retrofit Program of the adopted Countywide Water Conservation Program (Resolution 2016-288) staff revealed the new Water Conservation Program website (url and link above). The website is an improvement on the old Paso Basin website as it provides a much more user-friendly, geographically based, navigation approach. Users simply select the geographic area they reside (Paso, Nipomo, Los Osos), and choose which program they are interested in learning more about (Ag offset, plumbing retrofit, cash for grass). For any questions or if anyone has any comments or suggestions on the new website, please email Kylie Hensley at khensley@co.slo.ca.us.

- Paso Robles Groundwater Basin** – The County is continuing to process building permits that are subject to the fees of the PRGWB. 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.
- Nipomo Mesa Water Conservation Area** – The County is continuing to process building permits subject to the fees of 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.

- c. **Los Osos** – The retrofit to build and retrofit on sale 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.

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) Environmental Health Website Water Quality Information

Demonstration of helpful website tools relating to water quality information

Rainfall and Reservoir Update

Sub-Region	Area / Rain Station	Average Annual Rainfall	2017-18 Water Year Total Rainfall	2018-19 Water Year												Cumulative Total	% of Total Average
				July 18	Aug 18	Sep 18	Oct 18	Nov 18	Dec 18	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19		
North Coast	Cambria (ALERT #717)	22.0	14.8 (67%)	0	0	0	0.20 ^A									0.20	1%
	Whale Rock Reservoir (County Site #166.1)	16.0	11.6 (72%)	0	0	0	0.43 ^A									0.43	3%
Inland	Paso Robles (County Site #10.0)	14.1	10.8 (76%)	0	0	0	0.28 ^A									0.28	2%
	NE Atascadero (ALERT #711)	17.0	9.1 (54%)	0	0	0	0.16 ^A									0.16	1%
	Atascadero MWC (County Site #34.0)	17.5	12.2 (70%)	0	0	0	0.16 ^A									0.16	1%
	Santa Margarita (ALERT #723)	24.0	13.8 (57%)	0	0	0	0.32 ^A									0.32	1%
	Salinas Dam (County Site #94)	20.9	13.8 (66%)	0	0	0	0.91 ^A									0.91	4%
South Coast	SLO Reservoir (ALERT #749)	24.0	13.1 (55%)	0	0	0	0.52 ^A									0.52	2%
	Lopez Dam (ALERT #737)	21.0	11.7 (56%)	0	0	0	0.63 ^A									0.63	3%
	Nipomo South (ALERT #730)	16.0	8.8 (55%)	0	0	0	0.28 ^A									0.28	2%
	Nipomo East (ALERT #728)	18.0	9.6 (53%)	0	0	0	0.32 ^A									0.32	2%

A - Report generated at 2:00 P.M. on 10/30/2018

B - Due to an equipment malfunction, not all rain was recorded at this site.

Notes:

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

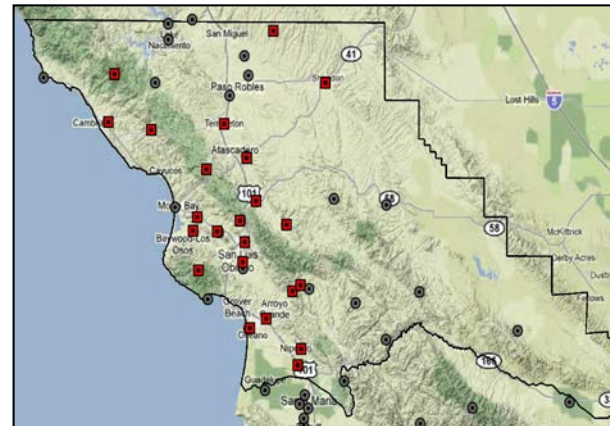
Reservoir Update

Reservoir	Date	Water Elevation (ft)	Spillway Elevation (ft)	Storage (acre-feet)	Capacity (%)
Nacimiento Reservoir	October 30, 2018	706.9	787.75 - 800.0 (w/gates fully inflated)	45,200	12%
	October 30, 2017	754.4		166,354	44%
Lopez Reservoir	October 30, 2018	481.6	522.7	20,456	41%
	October 30, 2017	493.0		26,755	54%
Salinas Reservoir (Santa Margarita Lake)	October 30, 2018	1,293.4	1300.7	18,850	79%
	October 30, 2017	1,294.9		19,843	83%
Whale Rock Reservoir	October 25, 2018	197.2	218.3	28,919	74%
	October 25, 2017	198.3		29,457	76%
Twitchell Reservoir	October 29, 2018	N/A	651.5	0	0%
	November 1, 2017	578.6		31,436	16%

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 capacity and spillway elevation values. Those new values are reflected in this report.

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 Dustin Ilder, (805)781-5272.

TO: Water Resources Advisory Committee

FROM: Ray Dienzo, Supervising Water Resources Engineer

DATE: November 7, 2018

SUBJECT: Agenda Item 5: Report from Ad-Hoc Subcommittee on Additional Water Conservation Measures that can be submitted to the Board of Supervisors for Their Consideration and Consider Actions

Recommendation

Receive Report from Ad-Hoc Subcommittee on Additional Water Conservation Measures that can be submitted to the Board of Supervisors for Their Consideration and Consider Actions

Discussion

During the WRAC meeting March 7, 2018, a Water Conservation Subcommittee was formed to develop recommendations on additional water conservation measures that can be recommended to the Board of Supervisors. Andy Pease, David Chipping, Linda Chipping, Linda Seifert, and Steph Wald volunteered to participate in the sub-committee. The subcommittee initially met on May 9, 2018. George Kendall joined the subcommittee on July 9th.

The group also met on August 6th. The attached report summarizes results from the Sept 17th and October 31th meetings; see attachment.

Andy Pease and Linda Chipping also presented to the Agricultural Liaison Advisory Board (ALAB) on October 1, 2018 to discuss the subcommittee's water conservation ideas for agriculture.

Attachment:

- H2O Conservation Measures List Oct 31, 2018

Water Conservation Measures Considered by the WRAC Subcommittee Oct 31, 2018

The work of the sub committee is focused in three main areas:

1. Urban Residential & Commercial Conservation
2. Agricultural Conservation
3. Increase Groundwater Recharge

Public Education components appear within these areas.

Potential Water Conservation Measures for Consideration - These may be:

- Recommendations to the County for policy or program implementation
- Opportunities that need to be more developed
- Recommendations for future speakers at WRAC or other venue

Urban Conservation Measures

1. Driveway watering bans
2. Irrigation restrictions (odd days/even days; MAWA retrofits)
3. Irrigation runoff penalties
4. Grey water (whole house and/or laundry) system rebates
5. In-Line Drip Irrigation Conversion Rebate
6. Irrigation Equipment Upgrade Rebates, including weather based irrigation controllers
7. Tiered water meter pricing structures
8. Modify/expand current county conservation Rebate Programs
9. RMS (biannual Resource Management System) policy change to implement water conservation measures when area/community is designated Level II. Currently Level III triggers conservation measures.
10. Water-conserving landscape design education for commercial landscaping businesses

Agricultural Specific Conservation Measures

1. Determine if additional irrigation efficiencies are possible for recommendation
2. Maintain an irrigation efficiency consultant program
3. Develop a library of Best Management Practices
4. Initiate a program to showcase water conservation built projects
5. Continue the county Mobile Irrigation Lab program, expand capabilities to address other on-farm efficiency methods, ie) soil moisture
6. Wind Machines vs sprinkler irrigation for frost control
7. County financial assistance to conduct additional research for local information tailored to local crop water use
8. Develop county rebate program for specific agricultural water conservation measures
9. Fox Canyon, Ventura county Advanced Well Metering Program and Water Market Program presentation to WRAC

Recharge Specific Conservation Measures – Urban and Rural, Agricultural Applications

1. Determine agricultural state and county legal and regulatory constraints for stormwater capture, off-creek groundwater recharge
2. Pursue avenues/programs to promote stormwater capture on residential and commercial property and rural/agricultural lands.

Water Conservation Land Use Options Flow Chart:

Source: California Agriculture. Volume 72, No. 3, July-September 2018, page 152.

Conservation land use options

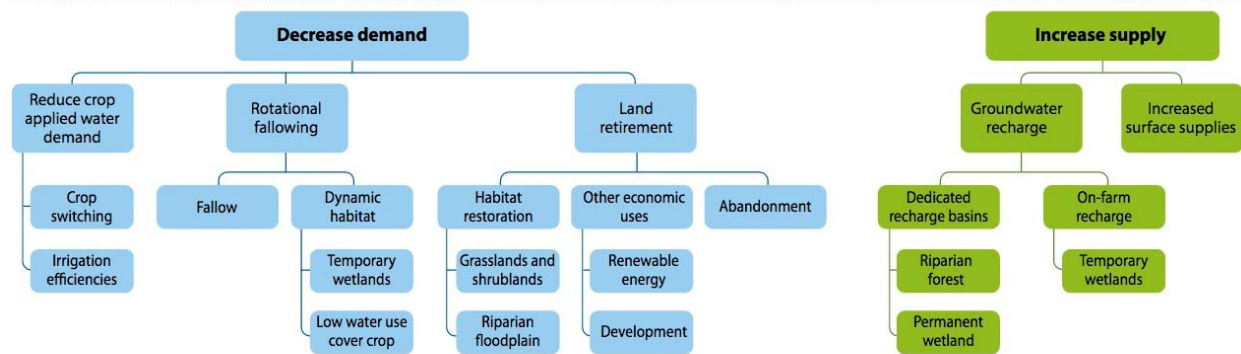


FIG. 1. Groundwater

TO: Water Resources Advisory Committee

FROM: Ray Dienzo, Supervising Water Resources Engineer

DATE: November 7, 2018

SUBJECT: Agenda Item 7: Discuss Future Agenda Items and Agendize Status Updates from Member Stakeholders

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

- In-stream requirements for ecosystem species
- Projects/Programs that integrate flood management, water quality and groundwater recharge
- On-site water/energy efficiency practices (e.g. energy generating greywater systems, septic system conversions)
- Well permitting regulation as a tool for groundwater management
- Desalination opportunities
- Updates from Member Stakeholders
- Consider recommending to the Board that groundwater pumpers within groundwater basins that have Groundwater Sustainability Agencies (GSA) have direct representation within their GSA's.
- Impact of climate change on water resources

Ongoing Updates/Regular Items – other items not shown here can be seen in the previous month's agenda

- Groundwater basin management Updates
- Various County-led water programs, policies and ordinances
- Open reporting on water conservation opportunities and information

Excerpt from WRAC By-laws dated August 15, 2017

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.