



WATER RESOURCES ASSOCIATION OF YOLO COUNTY

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January 8, 2016

BOARD MEETING: WRA Board of Directors– January 11, 2016

Enclosed you will find the Agenda for the upcoming Board meeting.

Monday, January 11, 2016

3:00 p.m. to 5:00 p.m.

MEETING LOCATION:

Woodland Community & Senior Center

2001 East St., Woodland, Rooms 2 & 3

The full agenda packet can be accessed on-line by the Friday before the Board Meeting at: http://www.yolowra.org/meeting_directors.html

Please contact us should you have any questions.

William L. Marble, WRA Chair

Donna Gentile, Administrative Coordinator

The January packet includes the following:

- Agenda for January 11, 2016 WRA Board Meeting

- Consent Items:
 - *Approve November 16, 2015 Meeting Minutes*
 - *Receive Minutes of the Executive Committee: 11/2, 12/7/15*
 - *Receive Minutes of the Technical Committee: 11/5/15*
 - *Receive Financial Reports: November-December 2015*
 - *Receive The Year in Review: 2015 WRA Annual Newsletter*
 - *Adopt Resolution Acknowledging Sid England's Retirement*

- Informational Items:
 - *Report from the WRA Chair*
 - *Correspondence Received*

- Presentations/Discussion/Reports:
 - *Water Legislation & Regulatory Issues Update*
 - *WRA Technical Committee & Westside IRWMP Update*
 - *SGMA Implementation Update: Facilitated Public Outreach Process, Dave Ceppos, CCP, and SGMA Related Activities, Tim O'Halloran, YCFC&WCD*
 - *Presentation: Water Evaluation & Planning System (WEAP), David Purkey, Stockholm Environment Institute, Davis, CA*

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BOARD OF DIRECTORS' MEETING WATER RESOURCES ASSOCIATION OF YOLO COUNTY

AGENDA

Online agenda: www.yolowra.org/meetings.html

DATE/TIME: Monday, January 11, 2016, 3:00 to 5:00 p.m.

LOCATION: Woodland Community Center, 2001 East St., Woodland, Meeting Rooms 2-3

- 3:00 1. **CALL TO ORDER and INTRODUCTIONS**
- 3:02 2. **APPROVE AGENDA and ADDING ITEMS TO THE POSTED AGENDA-** In order to add an agenda item, it must fit into one of the following categories: a) A majority determination that an emergency (as defined by the Brown Act) exists; or b) A 4/5ths determination that the need to take action that arose subsequent to the agenda being posted.
- 3:03 3. **PUBLIC FORUM** –The Public may address the WRA relating to matters within the WRA’s jurisdiction.
- 3:10 4. **CONSENT ITEMS**
- a. Approve minutes: November 16, 2015 Board meetings, pages 3- 7
 - b. Receive financial reports: November- December 2015, pages 8 - 13
 - c. Receive minutes of Executive Committee: 11/2, 12/7/15, pages 14 - 19
 - d. Receive minutes of Technical Committee: 11/5/15, pages 20 - 26
 - e. Receive *The Year in Review: 2015* WRA Annual Newsletter (included separately)
 - f. Adopt Resolution #1601: Acknowledging Sid England’s Retirement, page 27
- 3:15 5. **INFORMATIONAL ITEMS:**
- a. Report from the WRA Chair
 - b. Correspondence received: Carrie Shaw, Putah Creek Council, page 28
- 3:20 6. **UPDATE ON WATER LEGISLATION & REGULATORY ISSUES**
- a. Delta Update, Legislation and Regulatory Update, David Guy, Northern CA Water Association
- 3:35 7. **WRA TECHNICAL COMMITTEE UPDATE**, Elisa Sabatini, Committee Chair
- a. Technical Committee (TC) Activities and Westside IRWMP Update
- 3:40 8. **SUSTAINABLE GROUNDWATER MANAGEMENT ACT**, Tim O’Halloran
- a. Facilitated Public Outreach Process– Dave Ceppos, Center for Collaborative Policy
 - b. SGMA Related Activities – Tim O’Halloran, YCFC&WCD
- 4:10 9. **PRESENTATION: WATER EVALUATION & PLANNING SYSTEM (WEAP)**, David Purkey, Stockholm Environment Institute, www.weap21.org
- 4:45 10. **MEMBERS’ REPORTS & FUTURE AGENDA ITEMS:** WRA Members are invited to briefly report on important current issues and recommend topics for future WRA Board meetings.

WRA Board Agenda

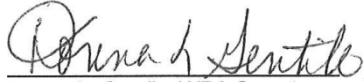
January 11, 2016

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4:55 11. **NEXT MEETING:** Monday, March 14, 2016, 3-5 p.m., Woodland

5:00 12. **ADJOURNMENT**

Consideration of items not on the posted agenda: items in the following categories: 1) majority determination that an emergency (as defined by the Brown Act) exists; or 2) a 4/5th determination that the need to take action arose subsequent to posting of the agenda. I declare under penalty of perjury that the foregoing agenda for the January 11, 2016 meeting of the Board of Directors for the Water Resources Association of Yolo County was posted by January 8, 2016 in the office located at 34274 State Highway 16, Woodland, CA and was available to the public during normal business hours.



Donna L. Gentile, WRA Secretary and Administrative Coordinator

**MINUTES OF THE NOVEMBER 16, 2015
BOARD OF DIRECTORS' MEETING
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DRAFT**

1. CALL TO ORDER & INTRODUCTIONS

The meeting was called to order at 3:00 p.m. by Chair, Bill Marble.

Board members present: Bill Marble - City of Woodland, Chair
Robb Davis – City of Davis
Duane Chamberlain - Yolo County
Beverly Sandeen – City of West Sacramento
Sid England – University of California Davis
Roger Cornwell – Reclamation District 108
Jim Mayer – Yolo County Flood Control & WCD

Alternate members present: Tim O’Halloran – Yolo County Flood Control & WCD, WRA Treasurer
Mike Hall – Reclamation District 2035

Associate members present: Robin Kulakow – Yolo Basin Foundation

Member agencies absent: Dunnigan Water District
City of Winters

Public & Agency Staff: David Guy - Northern California Water Association (NCWA)
John Young – Yolo County
Tim Busch – City of Woodland
Kristin Sicke – Yolo County Flood Control & WCD
Bob Schneider - Tuleyome
Betsy Marchand – Yocha DeHe Wintun Nation
Dave Pratt
Lynnel Pollock

2. APPROVAL OF AGENDA: The Board motioned, seconded and unanimously approved the agenda.

3. PUBLIC FORUM: No public comments.

4. CONSENT ITEMS: The Board motioned, seconded and unanimously approved the consent items.

- a. Approved minutes: September 14, 2015 Board meeting.
- b. Received minutes of Executive Committee (EC): 9/1, 10/5/15
- c. Received minutes of Technical Committee (TC): 9/3, 10/1/15
- d. Received financial reports: September-October 2015
- e. Approved Nominating Committee recommendations for 2016 annual Board officer elections and Board appointments

5. INFORMATIONAL ITEMS

a. Report from the WRA Chair: Chair Marble acknowledged Robin Kulakow will be retiring from the Yolo Basin Foundation after serving as the Executive Director for about 25 years. She has been participating in the WRA on behalf of Yolo Bypass activities for that same time. There is a cake available to commemorate her retirement.

6. RECEIVE AUDIT REPORT: Fiscal Years Ended 6/30/15 and 6/30/14

Rick Johnston, Perry, Bunch & Johnston, CPA, gave a report on the recent audit his firm conducted. The audit has been reviewed by the Executive Committee. Rick will review the major points of the

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two-year audit and answer any questions. He referred to the Independent Auditor's Report on agenda page 35 that states their opinion of the financial statements reviewed. They issued a unqualified opinion with no major issues found or adjustments needed to the WRA's financial accounting procedures. Rick then reviewed and explained the actual fund statements and balance sheets for both years' audited. He gave an overview of the Notes to the financial statements, many of which are standard items. Overall it was a clean audit and he commended Donna on her conscientious accounting of the WRA's operations. Chair Marble thanked Rick for his audit services.

7. UPDATE ON WATER LEGISLATION & REGULATORY ISSUES

- a. Delta Update: Update was given as part of David's report below.
- b. Legislation and Regulatory Update: David Guy, Northern California Water Association, reported that the Governor issued another drought Executive Order this past Friday, reminding people that California is still experiencing drought conditions. He extended many of the provisions from last year's drought proclamations. DWR finalized the first of their regulation packages on the basin boundary adjustments that are now in effect. Regulations on what defines a sustainable water management plan were also released by DWR. David reviewed the Proposition 1 funding for counties and water entities pursuing SGMA implementation. This information is available on DWR's website.

NCWA/North State Alliance submitted comments on California Water Fix and he distributed the letter sent to the Natural Resources Agency in October. He highlighted the pending change petition process before the SWRCB from DWR and the Bureau Reclamation to change the point of diversion from the South Delta to the North Delta. Hearings should begin in April.

Federal drought bill discussions are continuing in Washington DC. Congressmen Garamendi and McClintock are part of a core group working on this legislation, so Northern California interests will be well represented in addition to Senator Feinstein.

The NRDC and others filed two motions in their lawsuit against the Sacramento River Settlement Contractors (SRSC) challenging the validity of their water rights settlement contracts executed in 2005 with the Bureau of Reclamation. He distributed the statement of the SRSC regarding the lawsuit and NRDC's misrepresentation of their actions regarding beneficial purposes. David also distributed a project brochure about the Sacramento Valley Salmon Recovery Program that details how multiple partners are working together to advance salmon projects in the Valley and lists the SRSC priority projects for 2015-16.

David reported that there is water currently in the rice fields for decomposition, which is also good news for the Pacific Flyway water fowl. This water is in large part due to the SRSC who deferred some of their contract supplies with the Bureau through December. He anticipates more flooding of rice fields this year than last year. David answered questions about the water bond and SB 88. He also distributed an editorial by Fritz Durst published in the Sacramento Bee, "*Collaboration maximized water resources in drought, 10/18/15*". All handouts will be posted on the WRA's website.

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8. **WRA TECHNICAL COMMITTEE UPDATE**, Elisa Sabatini, Committee Chair was unable to attend today's meeting.
- a. *Technical Committee (TC) Activities and Westside IRWMP Update* – Tim O'Halloran summarize TC activities from the report included with the agenda. Tim would like the Board to receive the same WEAP presentation by David Purkey. He will schedule if for the January 11th meeting. Donna reported that all agreements for FY15-16 project funds have been executed with agencies receiving allocations. Tim gave an update on the Yolo County Subsidence Network Monitoring event schedule for spring 2016 funded by the WRA and participating partners.
 - b. *Project Update: Yolo Bypass Integrated Action* - Robin Kulakow, Yolo Basin Foundation (YBF), thanked the WRA for their financial support of YBF's efforts since 2007. She summarized a selected list of projects and programs that the YBF participates in on behalf of the Bypass (handout posted on WRA's website). Land use activities span agriculture, flood protection, wetlands management, recreation, and education. Other planning activities include the Lower Sacramento River/Delta North Regional Flood Management Plan (RFMP) and the related Corridor Management Framework that has initiated the implementation of a local outreach strategy. She summarized some of the studies and reports being conducted in relation to the Bypass by various state and federal agencies. She discussed the habitat restoration and fish passage EIR/EIS underway by the Bureau of Reclamation and DWR. Robin has been instrumental in coordination and communication between the local, state and federal partners during her tenure at the YBF. She explained the activities of an ad hoc group that includes Yolo Bypass landowners that functions as a planning team for projects impacting the Bypass. She also reviewed a grant from CA Dept. of Fish and Wildlife to further ecosystem restoration in Lower Putah Creek. The YBF is also the community liaison to the Delta Conservancy Board. Betsy Marchand mentioned YBF's recent successful fundraising event that also acknowledged Robin's retirement.
9. **SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA)**, Tim O'Halloran, Yolo County Flood Control & WCD
- a. *Facilitated Public Outreach Update*: Tim O'Halloran acknowledged the efforts of the Ad Hoc Subcommittee to finalize the contract/work order between the DWR and Center for Collaborative Policy (CCP) on behalf of the WRA to utilize the facilitation support services to develop a Groundwater Sustainability Agency (GSA) for the Yolo County region. The Scope of work (Work Order included in the agenda packet) has been submitted to DWR for review. Although the WRA is not a contract signatory, we are very much in control of the process. The Work Order is slated to be completed by June 30, 2016 and the ~\$55,000 budget is provided by DWR. Tim highlighted and discussed one of the critical tasks, which is *Task 3: Prepare and Ratify a County-level GSA Governance Structure*. Another important detail to be addressed is the process is defining the basin boundaries for the GSA and deciding whether adjustments are to be requested. It will also be determined who should apply for the boundary adjustments. Tim mentioned the SB 13 legislation that clarifies the overlapping areas of agencies seeking GSA status. Tim opened up the discussion to the WRA Chair and Ad Hoc Committee members for comments.

Chair Marble commented he was glad that the Yolo County Farm Bureau and the Yolo Landowners Association were both represented on the Ad Hoc Committee and that their input was received and incorporated. The final CCP agreement and work order is a product of this

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collaboration. Robb Davis commented that Dave Ceppos engenders confidence as a facilitator and with his knowledge of SGMA issues. Task 3 is a well-developed process and seeks proactive engagement of the all the stakeholders. Not only will governance options be explored, but this will lay the groundwork for development of the GSP. Jim Mayer commented he was also satisfied with the final work order and public engagement process. If the work plan is as well executed as presented not only will we have clarity of the governance structure, but also confidence, trust and agreement in the planning process. Robb added that Dave Ceppos is very skilled at bringing parties into agreement and helping them work toward mutual interests. CCP's facilitation services are more than just hanging flipcharts on the wall and have people put dots on them. They are about negotiating a mutually acceptable solution to challenging problems.

Tim proposed that the Ad Hoc Committee be transformed to a Steering Committee for the remainder of the process. The Board approved the Steering Committee transformation and that Tim O'Halloran continues as the Point of Contact for the CCP agreement and SGMA process.

- b. Other SGMA related issues: Nothing additional discussed separately from the above agenda item.

10. AQUIFER STORAGE & RECOVERY (ASR) PROJECT, Tim Busch, City of Woodland, reported that Woodland is one of two communities in California utilizing the ASR technology and the first to actually store water in our ASR wells. He gave some history on the City's water supply operations. Woodland relies on groundwater 100% and they currently have 19 wells supplying water to the community. The water is safe to drink, but the quality is declining with increasing nitrates, selenium and chromium-6 levels. Water quality regulations are becoming stricter and it is becoming harder for the wastewater treatment plant to maintain compliance with State standards, especially chromium-6. The cities of Woodland, Davis and UC Davis began developing a surface water project many years ago, which is now under construction. The City will switch to Sacramento River Water in the summer of 2016 with the completion of the surface water treatment plant project. All groundwater wells will be turned off to convert to surface water sources. Tim illustrated the ASR infrastructure with a map of Woodland's future water system. ASR Well #28 has been completed and ASR wells #29 and #30 should be completed by the end of next year. Ultimately there will be five operating ASR wells. Tim explained balancing winter and summer water supply demands and surface water rights restrictions. He discussed the reasons why the ASR project was developed and how it benefits Woodland's water supply needs. The local geology is very suitable for an ASR program. The five ASR wells will allow the ability to store approximately 5,500 acre-feet per year at buildout (~1.8 billion gallons). Tim explained how this stored water can be utilized in the summer and stored for use in times of drought. In the summer, the City and its residents use approximately 5-6 million gallons/month, so 1.8 billion gallons translates into a 3-4 month's supply if it was used exclusively.

The City and West Yost performed injection testing at Well #28 with Lawrence Livermore Labs. They used a Xenon gas tracer to differentiate between injected groundwater and native groundwater sources. The testing determined there was a 98% recovery rate of water injected into the aquifer. Tim illustrated ASR methods graphically to depict stored surface water, native groundwater and the various types of aquifer ground materials (clay, sand, soil, gravel) and their properties. He explained how groundwater moves in the aquifer at different depths. Tim discussed the many requirements for filter pack media for ASR wells, which has typically been gravel. A Germany company manufactures a better filter pack material made of glass beads that has more effective permeability. Additionally,

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the glass beads deter bacterial growth and maintain a cleaner water quality. Glass beads are becoming more of an industry standard and only added \$20,000 to the overall project cost for those two wells. Tim answered questions. Tim's PPT presentation can be viewed at: http://www.yolowra.org/meeting_directors.html.

- 11. MEMBERS' REPORTS & FUTURE AGENDA ITEMS: Future Agenda Item:** Tim O'Halloran will schedule a presentation from David Purkey on Stockholm Environment Institute's WEAP model at the January Board meeting as discussed in Agenda Item # 8a.
- 12. NEXT REGULAR MEETING:** Monday, January 11, 2016 from 3-5 pm, Woodland Community & Senior Center.
- 13. ADJOURNMENT:** The meeting adjourned at 4:35 p.m.

Respectfully submitted,

Donna L. Gentile
Board Secretary & Administrative Coordinator

ACRONYMS and ABBREVIATIONS

DWR – California Department of Water Resources
EIR/EIS – Environmental Impact Report/Statement
GSA – Groundwater Sustainability Agency
GSP - Groundwater Sustainability Plan
IRWMP – Integrated Regional Water Management Plan
MOU – Memorandum of Understanding
NCWA – Northern California Water Association
NRDC – Natural Resources Defense Council
SGMA – Sustainable Groundwater Management Act
SWRCB – State Water Resources Control Board
WEAP – Water Evaluation & Planning System
YCFB – Yolo County Farm Bureau

Water Resources Association of Yolo County Balance Sheet

As of December 31, 2015

	<u>Dec 31, 15</u>
ASSETS	
Current Assets	
Checking/Savings	
LAIF	232,275.11
First Northern - Savings	13,452.78
First Northern - Checking	2,754.18
Total Checking/Savings	<u>248,482.07</u>
Total Current Assets	<u>248,482.07</u>
TOTAL ASSETS	<u><u>248,482.07</u></u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
Accounts Payable	7,516.33
Total Accounts Payable	<u>7,516.33</u>
Other Current Liabilities	
Direct Deposit Liabilities (Direct Deposit Liabilities)	-1,462.89
SIMPLE IRA Liabilities	245.28
Payroll Liabilities	1,357.13
Total Other Current Liabilities	<u>139.52</u>
Total Current Liabilities	<u>7,655.85</u>
Total Liabilities	7,655.85
Equity	
Opening Bal Equity	16,689.30
Revenue in Excess of Expenses (Retained Earnings)	125,581.92
Net Income	98,555.00
Total Equity	<u>240,826.22</u>
TOTAL LIABILITIES & EQUITY	<u><u>248,482.07</u></u>

Water Resources Association of Yolo County
Budget vs. Actual
 July through December 2015

	<u>Jul - Dec 15</u>	<u>Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense			
Income			
Member Dues - Administrative	73,887.00	73,887.00	100.0%
Member Dues - Associate	473.00	473.00	100.0%
Interest Income	209.40	600.00	34.9%
Calendar - Revenue (Donations)	3,425.00	3,200.00	107.03%
In-Kind Income (non-cash)	2,500.02	5,000.00	50.0%
YFCF Admin Support	0.00	1,900.00	0.0%
Total Income	<u>80,494.42</u>	<u>85,060.00</u>	<u>94.63%</u>
Gross Profit	80,494.42	85,060.00	94.63%
Expense			
Salaries - Gross	26,573.95	53,150.00	50.0%
Payroll Taxes & Expenses	2,056.66	4,300.00	47.83%
Employer Paid Benefits	7,197.60	14,800.00	48.63%
Workers Comp Insurance	0.00	800.00	0.0%
General Liability Insurance	390.00	800.00	48.75%
Accounting Services	0.00	400.00	0.0%
Audit	5,500.00	5,500.00	100.0%
Bank Charges, License Fees	55.00	200.00	27.5%
Books, Maps, Subscriptions	0.00	150.00	0.0%
Calendar - Water Awareness (Contest & Printing)	1,943.09	3,200.00	60.72%
Computer Equipment	0.00	875.00	0.0%
Conferences & Seminars	0.00	1,500.00	0.0%
Copies, Printing & Binding	429.75	1,500.00	28.65%
Internet Service	632.56	1,700.00	37.21%
Legal Consultation Fees	0.00	500.00	0.0%
Meeting Expenses	955.02	2,500.00	38.2%
Mileage	152.67	700.00	21.81%
Miscellaneous Expense	0.00	500.00	0.0%
Office Rent (non-cash)	2,500.02	5,000.00	50.0%
Office Supplies/Expenses	340.59	1,500.00	22.71%
Postage	146.17	900.00	16.24%
Telephone Utilities	438.34	900.00	48.7%
Contingency	0.00	600.00	0.0%
Total Expense	<u>49,311.42</u>	<u>101,975.00</u>	<u>48.36%</u>
Net Ordinary Income	31,183.00	-16,915.00	-184.35%
Other Income/Expense			
Other Income			
Project Fund			
Assoc. Mbr Dues - Projects	627.00	97,943.00	0.64%

Water Resources Association of Yolo County
Budget vs. Actual
July through December 2015

	<u>Jul - Dec 15</u>	<u>Budget</u>	<u>% of Budget</u>
Member Dues - Projects	97,943.00	627.00	15,620.89%
Total Project Fund	98,570.00	98,570.00	100.0%
Special Project-GWMonProg \$\$	89,000.00	89,000.00	100.0%
Total Other Income	187,570.00	187,570.00	100.0%
Other Expense			
Project Fund Budget			
CCC-Wacky Wilderness Days	0.00	11,000.00	0.0%
Davis-Wldd Water Conser Concept	0.00	31,710.00	0.0%
Mercury TMDL Assess-McCord	1,500.00	1,500.00	100.0%
PCC Salmon in Classroom/Bypass	0.00	5,000.00	0.0%
PCC-Putah Creek Fall Clean-up	7,998.00	8,000.00	99.98%
PCC-Native Plant Nursery Volunt	0.00	7,500.00	0.0%
Westside IRWMP (WRA cost share)	20,000.00	20,000.00	100.0%
Winters Storm Water Mgmt Plan	0.00	15,000.00	0.0%
Year of Groundwater	0.00	62,500.00	0.0%
Yolo Bypass Integ Project-YBF	1,700.00	5,000.00	34.0%
YCRCD-Nitrogen&Irrigation BMPs	0.00	10,000.00	0.0%
Unallocated/Reserve Project \$	0.00	360.00	0.0%
Total Project Fund Budget	31,198.00	177,570.00	17.57%
Special Project-GWMonProg \$ Exp (YCFWCD)	89,000.00	89,000.00	100.0%
Total Other Expense	120,198.00	266,570.00	45.09%
Net Other Income	67,372.00	-79,000.00	
Net Income	98,555.00	-95,915.00	

Water Resources Association of Yolo County Profit & Loss

November through December 2015

	Nov 15	Dec 15	TOTAL
Ordinary Income/Expense			
Income			
Calendar - Revenue (Donations)	2,950.00	100.00	3,050.00
In-Kind Income (non-cash)	416.67	416.67	833.34
Total Income	3,366.67	516.67	3,883.34
 Gross Profit	 3,366.67	 516.67	 3,883.34
Expense			
Salaries - Gross	4,088.30	4,088.30	8,176.60
Payroll Taxes & Expenses	316.26	318.00	634.26
Employer Paid Benefits	1,189.38	1,189.38	2,378.76
Audit	0.00	5,500.00	5,500.00
Bank Charges, License Fees	40.00	0.00	40.00
Calendar - Water Awareness (Contest & Printing)	0.00	1,943.09	1,943.09
Copies, Printing & Binding	0.00	149.10	149.10
Internet Service	0.00	90.00	90.00
Meeting Expenses	64.42	0.00	64.42
Mileage	34.79	0.00	34.79
Office Rent (non-cash)	416.67	416.67	833.34
Office Supplies/Expenses	53.83	0.00	53.83
Postage	0.00	55.88	55.88
Telephone Utilities	73.31	73.24	146.55
Total Expense	6,276.96	13,823.66	20,100.62
 Net Ordinary Income	 -2,910.29	 -13,306.99	 -16,217.28
 Other Income/Expense			
Other Expense			
Project Fund Budget	9,698.00	0.00	9,698.00
Total Other Expense	9,698.00	0.00	9,698.00
 Net Other Income	 -9,698.00	 0.00	 -9,698.00
 Net Income	 -12,608.29	 -13,306.99	 -25,915.28

Water Resources Association of Yolo County
Transaction List by Date
November through December 2015

Type	Date	Num	Name	Memo	Account	Split	Amount
General Journal	11/01/2015	aje-252			In-Kind Income (non-cash)	Office Rent (non-cash)	-416.67
Bill Pmt -Check	11/02/2015	2370	Donna Gentile		First Northern - Checking	Accounts Payable	-28.75
Bill Pmt -Check	11/02/2015	2371	Solano County Water Agency_v		First Northern - Checking	Accounts Payable	-20,000.00
Bill Pmt -Check	11/02/2015	2372	Yolo County Flood Control & WCD_v		First Northern - Checking	Accounts Payable	-129.02
Bill Pmt -Check	11/05/2015	2373	AT&T		First Northern - Checking	Accounts Payable	-72.28
Deposit	11/05/2015			Deposit	First Northern - Savings	-SPLIT-	1,100.00
Bill	11/05/2015	2015-16 Inv 1	Yolo Basin Foundation_v		Accounts Payable	Yolo Bypass Integ Project-YBF	-1,700.00
Liability Check	11/06/2015	EFT	QuickBooks Payroll Service	Created by Payroll Service on 11/05/2015	First Northern - Checking	-SPLIT-	-1,462.38
Deposit	11/06/2015			Deposit	First Northern - Savings	Calendar - Revenue (Donations)	250.00
Paycheck	11/09/2015	DD1042	Donna L Gentile	Direct Deposit	First Northern - Checking	-SPLIT-	0.00
Transfer	11/09/2015			Funds Transfer	First Northern - Savings	LAIF	-124,000.00
Check	11/09/2015			Service Charge	First Northern - Savings	Bank Charges, License Fees	-40.00
Liability Check	11/10/2015	E-pay	Employment Development Department	499-0728-0 QB Tracking # 294009007	First Northern - Checking	-SPLIT-	-185.63
Liability Check	11/10/2015	E-pay	United States Treasury	68-0306647 QB Tracking # 294010587	First Northern - Checking	-SPLIT-	-1,171.50
Liability Check	11/10/2015	EFT	Capital Bank and Trust Co.	73814903	First Northern - Checking	-SPLIT-	-245.28
Bill Pmt -Check	11/10/2015	EFT	Business Card (Mastercard)		First Northern - Checking	Accounts Payable	-363.44
Deposit	11/13/2015			Deposit	First Northern - Savings	-SPLIT-	600.00
Transfer	11/18/2015			Funds Transfer	First Northern - Savings	First Northern - Checking	-2,000.00
Liability Check	11/20/2015	EFT	QuickBooks Payroll Service	Created by Payroll Service on 11/19/2015	First Northern - Checking	-SPLIT-	-1,462.38
Check	11/21/2015	EFT	Kaiser Permanente		First Northern - Checking	-SPLIT-	-1,066.74
Bill	11/21/2015	2015.1121	Business Card (Mastercard)		Accounts Payable	-SPLIT-	-99.26
Bill	11/21/2015	Creek clean-up	Putah Creek Council		Accounts Payable	PCC-Putah Creek Fall Clean-up	-7,998.00
Paycheck	11/23/2015	DD1043	Donna L Gentile	Direct Deposit	First Northern - Checking	-SPLIT-	0.00
Deposit	11/25/2015			Deposit	First Northern - Savings	-SPLIT-	1,000.00
Bill	11/25/2015	7337469	AT&T		Accounts Payable	Telephone Utilities	-73.31
Bill	11/30/2015		Donna Gentile		Accounts Payable	-SPLIT-	-53.78
General Journal	12/01/2015	aje-253			In-Kind Income (non-cash)	Office Rent (non-cash)	-416.67
Transfer	12/01/2015			Funds Transfer	First Northern - Savings	First Northern - Checking	-12,000.00
Bill	12/02/2015	2015.1202	Yolo County Flood Control & WCD_v		Accounts Payable	-SPLIT-	-294.98
Bill Pmt -Check	12/03/2015	2374	Donna Gentile		First Northern - Checking	Accounts Payable	-53.78
Liability Check	12/04/2015	EFT	QuickBooks Payroll Service	Created by Payroll Service on 12/03/2015	First Northern - Checking	-SPLIT-	-1,462.40
Paycheck	12/07/2015	DD1044	Donna L Gentile	Direct Deposit	First Northern - Checking	-SPLIT-	0.00
Bill Pmt -Check	12/07/2015	2375	AT&T		First Northern - Checking	Accounts Payable	-73.31
Bill Pmt -Check	12/07/2015	2376	Putah Creek Council		First Northern - Checking	Accounts Payable	-7,998.00
Bill Pmt -Check	12/07/2015	2377	Yolo Basin Foundation_v		First Northern - Checking	Accounts Payable	-1,700.00
Bill Pmt -Check	12/07/2015	2378	Yolo County Flood Control & WCD_v		First Northern - Checking	Accounts Payable	-294.98
Transfer	12/09/2015			Funds Transfer	First Northern - Savings	First Northern - Checking	-1,600.00
Deposit	12/09/2015			Deposit	First Northern - Savings	Calendar - Revenue (Donations)	100.00
Liability Check	12/10/2015	E-pay	Employment Development Department	499-0728-0 QB Tracking # 226982172	First Northern - Checking	-SPLIT-	-185.64
Liability Check	12/10/2015	E-pay	United States Treasury	68-0306647 QB Tracking # 226982592	First Northern - Checking	-SPLIT-	-1,171.52
Liability Check	12/10/2015	EFT	Capital Bank and Trust Co.	73814903	First Northern - Checking	-SPLIT-	-245.28
Bill Pmt -Check	12/10/2015	EFT	Business Card (Mastercard)		First Northern - Checking	Accounts Payable	-99.26

Water Resources Association of Yolo County
Transaction List by Date
November through December 2015

Bill	12/11/2015	85894	Printer's Ink		Accounts Payable	Calendar - Water Awareness (Contest & Printing)	-1,943.09
Transfer	12/16/2015			Funds Transfer	First Northern - Savings	First Northern - Checking	-2,000.00
Liability Check	12/18/2015	EFT	QuickBooks Payroll Service	Created by Payroll Service on 12/17/2015	First Northern - Checking	-SPLIT-	-1,462.38
Check	12/18/2015	EFT	Kaiser Permanente		First Northern - Checking	-SPLIT-	-1,066.74
Transfer	12/18/2015			Funds Transfer	LAIF	First Northern - Savings	-15,000.00
Paycheck	12/21/2015	DD1045	Donna L Gentile	Direct Deposit	First Northern - Checking	-SPLIT-	0.00
Transfer	12/23/2015			Funds Transfer	First Northern - Savings	First Northern - Checking	-4,000.00
Bill	12/25/2015	7471790	AT&T		Accounts Payable	Telephone Utilities	-73.24
Bill	12/29/2015	27249	Perry, Bunch & Johnston, Inc.		Accounts Payable	Audit	-5,500.00
Liability Check	12/31/2015	EFT	QuickBooks Payroll Service	Created by Payroll Service on 12/23/2015	First Northern - Checking	-SPLIT-	-1,464.64

**MINUTES of Executive Committee (EC) Meeting
Water Resources Association of Yolo County
November 2, 2015, 12:00 - 1:00 pm**

Present: Bill Marble, Tim O'Halloran, Elisa Sabatini, Donna Gentile

Absent: Cecilia Curry, Kurt Balasek

1. **Call to Order:** Meeting was called to order by Bill Marble at 12:00 pm.
2. **Approve Agenda and Adding Items to the Posted Agenda:** Agenda approved as presented.
3. **Public Comment:** No public in attendance.
4. **Administrative Items:**
 - a) October 5, 2015 EC minutes were approved.
 - b) Financials: The EC reviewed the October 2015 financials. Donna and Tim will coordinate a transfer from First Northern Bank into the LAIF account next week.
 - c) Audit Report: The draft audit for fiscal years ending June 2015 and 2014 was reviewed by EC. This is the final version that will be presented to the WRA Board on November 16th. Rick Johnston will attend the meeting to answer questions. The EC asked that he keep his review brief given all the items on the agenda that day.
 - d) WRA Annual 2015 Newsletter: The EC reviewed the draft newsletter and provided their comments and suggestions. Donna will continue adding information to the newsletter and present a second draft at the next EC meeting. For page 3, Elisa will provide information on the Daryl Slotton mercury report pending release. EC asked for an item highlighting the successful water conservation efforts of Davis, Woodland and other Yolo cities. It was suggested to create a graph to compare 2013, 2014 and 2015 percent comparative reductions. Elisa offered to assist Donna with how to present this information. Another suggestion was to include a groundwater graph from Max on the back page. This newsletter will be distributed to the Board and public in January 2016.
 - e) Vacation Request: The EC approved the following vacation days in November/December requested by Donna: 11/30, 12/28 through 12/31 in addition to paid holidays scheduled. She currently has more than enough vacation leave to accommodate this request (>150 hours).
 - f) Payments to approve - All payments were approved
5. **Update on Water Legislation & Regulatory Issues**

Tim reported that NCWA and Yolo County submitted comments on the proposed California WaterFix project. He reviewed SB 88 related to diversion reporting requirements that could be most significant for junior water right holders, but it is not as much of an issue for the YCFC&WCD. MBK consultants are keeping the YCFC up-to-date on developing SB 88 regulations which are being written now. Tim explained the main focus of the SB 13 legislation, which added new requirements and clarifications to SGMA related to formation of Groundwater Sustainability Agencies (GSAs). The revised regulations do not allow an agency to declare jurisdiction outside of their boundaries. The revisions would impact Dunnigan Water District's GSA eligibility. SB 13 becomes effective in January 2016. Tim reported that the WRA/Yolo County Farm Bureau are proceeding properly with their process for our region.
6. **SGMA Planning & Implementation**
 - a) Facilitation Process Update: Tim reported that two meetings of the Ad Hoc Committee were held in October. Both Bill and Tim agreed the meetings provided good face-to-face communications and interactions on the development of the Center for Collaborative Policy's (CCP) DWR Work Order. The Committee provided their input on the Work Order and Dave

**MINUTES of Executive Committee (EC) Meeting
Water Resources Association of Yolo County
November 2, 2015, 12:00 - 1:00 pm**

Ceppos is making suggested changes. The deadline for comments is today by 2 pm. Tim and Bill are proposing that the Ad Hoc Committee becomes a Steering Committee for the facilitated process. The Steering Committee will likely meet once per month. The EC agreed and will propose at the November meeting that the WRA Board endorse the formation of the Steering Committee.

7. **Technical Committee (TC) & Westside IRWMP Update:** Elisa reported that the TC had two very informative presentations by Tim Busch on Woodland's ASR project and David Purkey from the Stockholm Environmental Institute on their Water Evaluation & Planning System (WEAP) Model. This model has applications for the SGMA Groundwater Sustainability Plan process.

8. **WRA Board Meeting**

- a) November 16, 2015 Board meeting agenda items: The EC finalized the agenda items and presentations for November. It was requested that Donna purchase a cake from Costco to acknowledge Robin Kulakow's retirement from the Yolo Basin Foundation. Tim will verify whether Dave Ceppos is available to attend the November Board meeting. Additionally, Donna will email the Board a reminder about the 2016 meeting dates.
- SGMA Facilitation , Public Outreach, CCP SOW - Tim O'Halloran, Dave Ceppos/CCP
 - ASR Project Presentation – Tim Busch, City of Woodland
 - Nominating Committee Report - recommendations for 2016 Board Officers & Appointments
 - Audit Report FY Ending 2014 and 2015 – Rick Johnston, PBJ
 - Yolo Bypass Integrated Action Project Update– Robin Kulakow

- b) Future Board Meeting Topics – On-going list (alphabetical):

New meeting topics discussed in September:

- Desalinization projects – Kurt will investigate potential speaker(s)
- Effects of Fire on the Watershed – Kurt inquiry to Rich M. re: previous fire studies
- Mercury 1995 Study Update to be released in Aug or Sept, Dr. Slotton/UCD – Elisa contact

- Annual Water Resources Conditions - Tim O'Halloran
- Bay Delta Conservation Plan (BDCP) Updates
- Central Valley Flood Protection Plan - MWH/DWR (Janet Atkinson 916-803-4779)
- Davis-Woodland Surface Water Supply Project Update, WDCWA
- Delta Counties Coalition update
- Delta updates, allow time to discuss at each meeting
- Drought Conditions Update
- Flood Update – pending TC discussions and recommendations on what/who to present
- floodSAFE Yolo (who?)
- Lower Cache Creek Feasibility Study Update (Tim Busch/City of Woodland)
- Member agency concerns, such as West Sac and flood protection
- Mercury issues and TMDL's (subcommittee report)
- North Bay Aqueduct Project (David Okita)- progress updates
- RD 2035 Joint Intake project update
- RWA, John Woodling, Update on priority issues for the
- Speakers representing positions/interests seen as potential threats to our region
- Underground well conditions update
- Water quality
- Water rate studies - sharing results of

**MINUTES of Executive Committee (EC) Meeting
Water Resources Association of Yolo County
November 2, 2015, 12:00 - 1:00 pm**

- Water re-use projects
- Westside IRWMP process updates - ongoing
- WRA Board Strategic Planning Session: FY15-16 dues increase? (3%?)
- WRA funded projects, lead partners update (at end of FY)
- Yolo IRWMP Foundational Actions update
- Yolo IRWMP Foundational Actions Update by TC (tie-in to FY budget process)

9. Other Updates & Future Executive Committee Agenda Items – Nothing discussed

10. Next Executive Committee Meeting Date: Monday, December 7, 2015, 12:00 pm

11. Adjourned at 1:00 pm

Respectfully submitted,



Donna L. Gentile
Board Secretary & Administrative Coordinator

**MINUTES of Executive Committee (EC) Meeting
Water Resources Association of Yolo County
December 7, 2015, 12:00 - 1:00 pm**

Present: Bill Marble, Tim O'Halloran, Elisa Sabatini, Kurt Balasek, Kristin Sicke, Cecilia Curry (via phone), Donna Gentile

1. **Call to Order:** Meeting was called to order by Bill Marble at 12:00 pm.
2. **Approve Agenda and Adding Items to the Posted Agenda:** Agenda approved as presented.
3. **Public Comment:** No public in attendance.
4. **Administrative Items:**
 - a) November 2, 2015 EC minutes were approved.
 - b) Review Financials FY2015-16: The EC reviewed the November 2015 financials. Membership dues funds have been collected and a large sum was transfer from First Northern Bank into the WRA's LAIF account.
 - c) Review administrative coordinator job description, wage/benefits agreement and task timeline: The EC has not reviewed the administrative coordinator job description since 2011. It is on the agenda because a periodic review of the job description and wage/benefits agreement is an appropriate reminder of the broad scope of tasks for this position. Tim and Donna also had a conversation about a contingency plan and she developed a monthly task list timeline. Donna mentioned that SGMA activities will be gearing up for 2016 and there will be related tasks for her for that process. This information is a good reminder for the EC, since she wears so many different hats for the WRA.
 - d) Review second draft WRA Annual 2015 Newsletter: A second draft is attached for review. Donna received some updates/corrections from the EC. She is still waiting on receiving conservation data from the cities to complete the water conservation graph and text. Cecilia suggested Donna call Elliott Landes for the City of Winters water conservation information. Elisa offered to assist Donna with the Excel graph formatting issues. The Projects page also needs to be completed. Please contact Donna with any additional corrections by December 31st. The newsletter will be presented in the January 11th Board packet.

Donna also mentioned that the November WRA Board meeting was Sid England's last meeting because he is retiring as of December 31st. She was not aware of this otherwise we could have acknowledged his many years of service at the meeting. He is the last original founding board member of the WRA. The EC suggested she prepare a Proclamation and invite him to attend the January Board meeting to correct this oversight. She will determine his availability.
 - e) Payments to approve - All payments were approved
5. **Update on Water Legislation & Regulatory Issues**

Tim informed that his updates are groundwater related and will be discussed under the next item. He mentioned Senator Feinstein's Emergency Drought Relief Act bill is struggling and is still being considered by the House before the end of this year. California WaterFix comments were submitted by numerous agencies and we have yet to see how they will be responding to the thousands of comments received.
6. **SGMA Planning & Implementation**
 - a) Facilitation Process Update: The Center for Collaborative Policy's (CCP) DWR Contract/Work Order has been executed as approved by the WRA Board in November. The Ad Hoc Committee

**MINUTES of Executive Committee (EC) Meeting
Water Resources Association of Yolo County
December 7, 2015, 12:00 - 1:00 pm**

was transformed into a Steering Committee. Tim will be meeting with Dave Ceppos to continue finalizing the next steps for this process starting in January. A weekly check-in time will be established for continuity between Tim and Dave. Denise Sagara will be included if any decision-making items arise, as well as the entire Steering Committee when appropriate.

- b) Consider joint WRA and Farm Bureau letter to adjacent counties regarding boundary revisions: Tim, Elisa and Kristin attended a meeting with Solano and Sacramento counties related to their SGMA activities. Tim summarized that Solano is at a similar point in the process as Yolo. However, Sacramento has not yet taken a leadership position in regards to their overlapping basin boundary areas with Solano and potential adjustments to the boundary. Yolo's challenge is that if we proceed with the preference to use the geopolitical basin borders to create one GSA and one GSP, then Yolo needs the agreement of the neighboring counties that overlap. Tim and Elisa explained the delicacy and intricacy of the basin boundary issues discussed at this meeting. The WRA was asked to draft a letter to Yolo's neighboring county subbasins to explain our intent and "current thinking" about the process. It needs to be a carefully crafted letter because we (Yolo-SGMA) have not yet begun our public outreach process. Kristin explained the timing issues associated with boundary adjustment requests to DWR and the 90-day deadline approaching by the end of March. The WRA Board will need to be part of this discussion at their January meeting concurrent with SGMA planning and public outreach meetings to comply with the 90-day deadline.

Tim presented a rough draft of the letter to the EC. They discussed the letter's message and suggested points to strengthen and clarify the content. Tim, Elisa and Kristin will continue to refine the letter with input from Dave Ceppos for his perspective on the concerns expressed in today's meeting. A revised letter can be presented to the EC next week. The EC agreed to hold a conference call to review a second draft next week.

Elisa gave an update on the Local Agencies of the North Delta (LAND)'s proposal to form a GSA and there was a discussion of their location within the Bulletin 118 Groundwater subbasin boundaries (a Sacramento Valley groundwater basin map was viewed for the discussion, made by Erik Ringelberg, BSK Associates).

7. **Technical Committee (TC) & Westside IRWMP Update:** The December TC meeting was cancelled and Elisa had nothing additional to report. Next TC meeting is January 7th.

8. **WRA Board Meeting**

- a) January 11, 2016 Board meeting agenda items: The EC finalized the agenda items and presentations for January.
- SGMA Update: Facilitation , Public Outreach Planning - Tim O'Halloran, Dave Ceppos/CCP
 - WEAP Model Presentation, David Purkey, Stockholm Environment Institute (Tim O'Halloran contact)
- b) Future Board Meeting Topics – On-going list (alphabetical):
New meeting topics discussed in September 2015:
- Desalination projects – Kurt will investigate potential speaker(s)
 - Effects of Fire on the Watershed – Kurt inquiry to Rich M. re: previous fire studies
 - Mercury 1995 Study Update to be released in spring 2016, Dr. Slotton/UCD – Elisa contact

**MINUTES of Executive Committee (EC) Meeting
Water Resources Association of Yolo County
December 7, 2015, 12:00 - 1:00 pm**

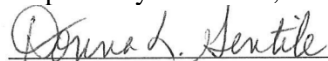
- Annual Water Resources Conditions - Tim O'Halloran
- Bay Delta Conservation Plan (BDCP) Updates
- Central Valley Flood Protection Plan - MWH/DWR (Janet Atkinson 916-803-4779)
- Davis-Woodland Surface Water Supply Project Update, WDCWA
- Delta Counties Coalition update
- Delta updates, allow time to discuss at each meeting
- Drought Conditions Update
- Flood Update – pending TC discussions and recommendations on what/who to present
- floodSAFE Yolo (who?)
- Lower Cache Creek Feasibility Study Update (Tim Busch/City of Woodland)
- Member agency concerns, such as West Sac and flood protection
- Mercury issues and TMDL's (subcommittee report)
- North Bay Aqueduct Project (David Okita)- progress updates
- RD 2035 Joint Intake project update
- RWA, John Woodling, Update on priority issues for the
- Speakers representing positions/interests seen as potential threats to our region
- Underground well conditions update
- Water quality
- Water rate studies - sharing results of
- Water re-use projects
- Westside IRWMP process updates - ongoing
- WRA Board Strategic Planning Session: FY15-16 dues increase? (3%?)
- WRA funded projects, lead partners update (at end of FY)
- Yolo IRWMP Foundational Actions update
- Yolo IRWMP Foundational Actions Update by TC (tie-in to FY budget process)

9. Other Updates & Future Executive Committee Agenda Items – Nothing discussed

10. Next Executive Committee Meeting Date: Tuesday, January 5, 2016, 12:00 pm

11. Adjourned at 1:00 pm

Respectfully submitted,



Donna L. Gentile

Board Secretary & Administrative Coordinator

Water Resources Association of Yolo County
Technical Committee (TC) – November 5, 2015, 8:30 – 10:30 am
Yolo County Flood Control & WCD, 34274 State Hwy. 16, Woodland

Committee Members:

Elisa Sabatini, Yolo County, TC Chair	Tim O'Halloran, YCFC&WCD
Carol Scianna, City of Winters	Dawn Calciano, City of Davis
Max Stevenson, YCFC&WCD	Nancy Ullrey, Cache Creek Conservancy
Kristin Honeycutt, CA DWR	Barrett Kaasa, CA DWR
Ryan Burnett, City of West Sacramento	Tim Busch, City of Woodland
Bryan Busch, RD 108	Jordan Power, City of Woodland
Jeanette Wrynski, Yolo County RCD	Donita Hendrix, Dunnigan Water District
Donna Gentile, WRA	

Other Attendees:

Dave Pratt	Esther Conrad, Water in the West, Stanford Univ.
David Purkey, Stockholm Environ. Inst.	Muhammad Ahmad, SEI/ UC Davis
Key Loy, West Yost Associates	

Member Agencies Absent:

UC Davis	RD 2035
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1. **CALL TO ORDER & Introductions** at 8:30 am by Elisa Sabatini.
2. **APPROVAL AGENDA & Adding Items to Posted Agenda:** Agenda approved as presented.
3. **APPROVE MEETING MINUTES:** Previous meeting minutes were emailed to the TC for review with today's agenda. Comments on the draft 10/1/15 minutes are due by 11/6/15.
4. **PUBLIC COMMENT:** No public comments.
5. **CALIFORNIA DEPT. OF WATER RESOURCES (DWR) Update:** Kristin Honeycutt, DWR, introduced Barrett Kaasa who will be the new DWR representative providing monthly updates to the WRA TC. Barrett summarized his work history and background. Hong Lin is still available to give presentations when requested. Kristin gave updates on the following items.

Integrated Regional Water Management

▪ **Implementation Grants**

- ✓ The draft funding recommendations for 2015 has been released for Public Review and Comment: http://www.water.ca.gov/irwm/grants/docs/p84_implementation/2015%20P84Implementation_FundingRecommendations_2015_1029.pdf
- ✓ [Public Workshop on 11/6 at 10 a.m. in Sacramento and comment period closes 11/13](#)
- ✓ \$231M; 26 proposals – Westside IRWM was successful (\$2.2M for Napa and Solano county projects)
- ✓ Originally received 37 applications totaling \$306.5M
- ✓ Expecting awards to be final by December

▪ **Proposition 1 Funding (\$37 Sac-River Funding Area/\$510M)**

- ✓ Public scoping workshop September 18 – presentation from meeting: http://www.water.ca.gov/irwm/grants/docs/P1Index/Proposition1IRWMGrantProgramPublicScopingMeeting_Final.pdf
- ✓ December 2015 – release for public review and comment

Water Resources Association of Yolo County
Technical Committee (TC) – November 5, 2015, 8:30 – 10:30 am
 Yolo County Flood Control & WCD, 34274 State Hwy. 16, Woodland

- Draft IRWM Program Guidelines; Draft Planning Grant PSP; Draft DAC Involvement RFP; Draft DAC Project PSP
- ✓ February 2016 – Public meetings
- ✓ March 2016 – Issue final documents; commence Planning Grant and DAC involvement solicitations
- ✓ New Legislation related to IRWM:
 - [SB 985](#): Stormwater Resources Plan incorporated into IRWMP
 - [AB 1249](#): Address areas of nitrate, arsenic, perchlorate, or hexavalent chromium
 - [SB 208](#): Advance payment for certain projects (pending Governor’s approval)
- ✓ Planning funds will likely help with incorporating Stormwater Resources Plan and water contamination discussions into IRWMPs
- ✓ \$5M planning -- \$367.3M implementation (anticipated schedule below)

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Anticipated Order of Solicitations

Fiscal Year	IRWM Program	Funding
FY 15-16	Planning	\$5M
FY 15-16	DAC Involvement	\$51M
FY16-17	DAC Projects	\$51M
FY17-18	Implementation	\$183.65M
FY 19-20	Implementation	\$183.65M

Sustainable Groundwater Management Program

- **Sustainable Groundwater Planning Grant Program** – [Final GL for SGP Grant Program](#) (\$100M available overall) and [Final PSP for Counties with Stressed Basins](#) solicitation funded by Proposition 1
 - ✓ \$10M available for Counties that are CASGEM compliant and considered Critically-Over-drafted basins
 - ✓ Solicitation closes December 8, 2015 at 5 p.m.
 - ✓ Final Funding Recommendations: Feb. 2016
- **Draft Basin Boundary Emergency Regulations** – Basin boundary emergency regulations adopted by the CA Water Commission on October 21, 2015
 - ✓ Basin Boundary Regulations website: http://www.water.ca.gov/groundwater/sgm/basin_boundaries.cfm
 - ✓ Emergency regulations adopted and Notice of Proposed Emergency Rulemaking distributed and posted on the website and the emergency regulations package submitted to AOL
 - ✓ Basin Boundary Modification requests accepted by DWR within 90 day period (Jan 1, 2016)
- DWR’s Implementation of SB 13 amendments to SGMA for the formation of **Groundwater Sustainability Agencies** http://water.ca.gov/groundwater/sgm/pdfs/SB-13_Announcement_2015-10-28.pdf
 - ✓ **GSA Formation Notification Guidelines for Local Agencies:** http://water.ca.gov/groundwater/sgm/pdfs/GSA_Notification_Requirements_2015-10-27.pdf
- **GSP Regulations** – 3 public meetings in early 2016; Draft GSP emergency regulations will be posted to the GSP website 30 days before the required public meetings (by June 1, 2016 DWR is required to adopt emergency regulations for evaluating and implementing GSPs to achieve the legislative intent of SGMA)
 - ✓ Draft discussion papers on each topic are available for viewing:

Water Resources Association of Yolo County
Technical Committee (TC) – November 5, 2015, 8:30 – 10:30 am
Yolo County Flood Control & WCD, 34274 State Hwy. 16, Woodland

- [Topic 1 - Pre-SGMA Conditions and Undesirable Results](#)
- [Topic 2 - Measureable Objectives and Interim Milestones](#)
- [Topic 3 - Land Use and County Involvement](#)
- [Topic 4 - Alternative GSP Submittals \(Revised\)](#)
- [Topic 5 - Boundaries – Overlapping and Unmonitored Areas](#)
- [Topic 6 - Intra-Basin Coordination Agreements](#)
- [Topic 7 - Water Budgets and Coordination](#)
- [Topic 8 - State Agency Coordination](#)
- [Topic 9 - Data Collection, Management, and Reporting](#)
- [Topic 10 - Adaptive Management and Focus Areas](#)

- **Facilitation support services** available for local public agencies working to meet requirements of SGMA; majority of available support is reserved for forming GSAs and developing GSPs; priority given to newly forming groups and groups that have not received financial support in the past

FLOOD

- [Small Communities Flood Risk Reduction Program Guidelines](#) have been released for a 60-day public review period (closes 12/11/15; workshop 11/12/15 in Willows 3 – 6 p.m.)
 - ✓ Part of 2012 CVFPP and intended to invest in qualifying projects that reduce flood risks for small communities (non-urban < 10,000 residents)
 - ✓ Help small communities and counties to conduct feasibility studies, and design and construct projects with proven feasibility
 - ✓ Repair erosion sites and remove sediment from channels and bypasses; Evaluate and repair levees and any other SPFC facilities; Implement mitigation measures for a project by funding participation in a natural community conservation plan to facilitate eligible projects
 - ✓ Eligible applicants: local public agency with land use authority within area(s) protected by the SPFC facilities
 - ✓ Consistency with CVFPP State Systemwide Investment Approach
 - ✓ First phase: Feasibility study of flood risk reduction ~\$500k; Design and construction will be through subsequent phases

MISCELLANEOUS

- **DWR to host 10 Urban Water Management Plan (UWMP) workshops for water suppliers to prepare of their 2015 Update:** (From 9:30 am -2:30 pm: Red Bluff is November 13; Sacramento is November 20, with webinar option) http://www.water.ca.gov/urbanwatermanagement/docs/2015/Workshop_Flyer.pdf
 - Discuss change since 2010 UWMPs
 - 2015 UWMP Guidebook – should be released before 11/13 prior to workshops
 - Standardized Tables
 - Data Submittal
 - Baselines, Targets, and New Pop Tool
 - Reporting Wastewater and Recycled Water
- **Agricultural Water Use Efficiency (AWUE) Funding**
 - \$30M available; \$3M/implementation project & \$300k/other projects
 - Draft GL and PSP (public comment closes 11/6/15) <http://www.water.ca.gov/wuegrants/Draft%20AgWUE%202015%20Prop%201%20PSP%2010-2-15.pdf>
 - Contact: Fethi BenJemaa 916.651.7025; WUEGrants@water.ca.gov, Fethi.Jemaa@water.ca.gov.
 - Proposals due February 2016

6. FUNDING UPDATES:

Water Resources Association of Yolo County
Technical Committee (TC) – November 5, 2015, 8:30 – 10:30 am
Yolo County Flood Control & WCD, 34274 State Hwy. 16, Woodland

- Max Stevenson reported that Solano and Napa county projects from the Westside-Sacramento IRWMP are recommended for a \$2.1 million grant award under the Prop. 84, 2015 IRWMP grant solicitation. YCFC&WCD will be the fiscal agent. (Ref. DWR update above.)
- Tim O'Halloran informed that the Proposition 1 Water Use Efficiency draft PSP and guidelines were released a few weeks ago. Guidelines are stringent with a 50% cost share. The maximum award is \$3 million. (Ref. DWR update above.)
- Bryan Busch reported that the US Bureau of Reclamation will release another WaterSMART grant opportunity. <http://www.usbr.gov/watersmart/grants.html>
- Jeanette Wrysinski informed that the Delta Conservancy (Prop. 1) have re-opened the solicitation and re-assigned point-value to some of the ranking categories. If you submitted a proposal you may wish to revise your existing concept proposal, or take advantage of this opportunity to submit a new proposal. RFP deadline extended 45 days to early January. <http://deltaconservancy.ca.gov/>

7. WATER LEGISLATION & REGULATORY ISSUES UPDATE: Tim O'Halloran reported that California Water Fix project comments were due last week. NCWA (including RD 108), ACWA (including YCFCWCD) and Yolo County submitted comments. Reportedly over 10,000 comments were received!

SB 88 is a trailer bill addressing measurement and reporting requirements to the State Water Board for diverters greater than 10 acre-feet. Regulations are being written now. Water right holders who are impacted are paying careful attention to how the regulations are being interpreted.

Elisa asked Bryan Busch to give an update on RD 108's Knights Landing Colusa Basin outfall gates/fish barrier project which is almost complete. Carol Scianna and Kristin Honeycutt reported on SB 385 (chromium-6). The State Board has extended the time to achieve water quality compliance for hexavalent chromium to 5 years (by January 2020). Carol and Elisa are coordinating a regional meeting for small to medium size agencies to discuss concerns about groundwater constituents like chromium-6. This forum will discuss solutions, costs and coordinate activities/projects. Send an email to Donna if you are interested in receiving information about this meeting, info@yolowra.org.

8. SUSTAINABLE GROUNDWATER MANAGEMENT ACT (SGMA) PLANNING & IMPLEMENTATION:

- a) Update on progress with Facilitated Outreach process and timeline: Tim O'Halloran reported on the Ad Hoc Committee (Committee) appointed by the WRA Board at their September meeting to develop and approve the final scope of work for the Center for Collaborative Policy (CCP) under contract with DWR. The Committee met twice in October with Dave Ceppos and finalized CCP's scope of work that was submitted to DWR for review in early November. Hong Lin has also been involved in these meetings. The Work Order outlines the next steps for planning public outreach to identify a GSA or GSA(s).

Tim distributed a DWR press release from 10/28/15 on SB 13 amendments to SGMA that addresses changes to GSA formation ([http://www.water.ca.gov/groundwater/sgm/pdfs/SB-13 Announcement 2015-10-28.pdf](http://www.water.ca.gov/groundwater/sgm/pdfs/SB-13%20Announcement%202015-10-28.pdf)). SB 13 was passed in September 2015 and becomes law in January 2016. In particular, SB 13 addresses resolution of overlapping GSA service area boundaries before they can proceed as a GSA. If the Yolo region chooses to modify the boundaries from Bulletin 118, we have 90 days from January 1st to do so. The question remains what do the other county agencies want to do and who else is considering submitting boundary adjustments. Boundary amendments could impact neighboring regions and operating agreements would need to be established as appropriate. DWR has relaxed the requirements for boundary amendments by requiring 75% buy-in versus 100%. Tim explained there are two reasons for

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adjusting the boundaries: political and/or geotechnical. Applications submitted to request modifications must address the reasons for changing. Tim reviewed the timeline for establishing a GSA set by the SGMA legislation. Tim distributed two recent Sacramento Bee articles commenting on managing groundwater (<http://www.sacbee.com/opinion/opn-columns-blogs/dan-morain/article41974266.html> and <http://www.sacbee.com/opinion/op-ed/soapbox/article41900592.html>.)

9. WRA PROJECT FUND BUDGET:

- a) Status of FY2015-16 Projects: Donna reported that the process of preparing agreements including supporting scope of work and budget are being executed with all lead agencies receiving allocations.

Donna requested input from the WRA member agencies for the 2015 Annual Newsletter that will be published in January. She would like project photos and information from the past year. Please forward photos or information to her within the next 4 weeks. We would also like to highlight water conservation numbers for 2013, 2014 and 2015 to illustrate how well Yolo cities are meeting or exceeding the Governor's mandated conservation quotas. Donna will also be requesting this pertinent data.

- b) Status of Subsidence Network Monitoring Project for FY15-16: Tim O'Halloran has received draft contract from Jim Frame Surveying to review. He gave a brief overview of the surveying process, which is planned for the spring of 2016 to match the previous surveys. Tim will contact RD 2035 to confirm their financial participation in the Subsidence Monitoring event.

10. PRESENTATION: City of Woodland's Aquifer Storage & Recover (ASR) Project - Tim Busch, City of Woodland, gave some history on the City's water supply operations. Woodland relies on groundwater and they currently have 19 wells supplying water to the community. The water is safe to drink, but the quality is declining with increasing nitrates, selenium and chromium-6 levels. Water quality regulations are becoming stricter and it is becoming harder for the wastewater treatment plant to maintain compliance with State standards. The City will switch to Sacramento River Water in the summer of 2016 with the completion of the surface water treatment plant project. All groundwater wells will be turned off to convert to surface water sources. Tim illustrated with a map of Woodland's future water system with ASR infrastructure. ASR Well #28 has been completed and ASR wells #29 and #30 should be completed by the end of next year. They will operate the wells for at least one year before constructing two additional wells. Tim explained balancing winter and summer water supply demands and surface water rights restrictions. He discussed the reasons why the ASR project was developed and how it benefits Woodland's water supply needs. The local geology is very suitable for an ASR program. The City has been working with West Yost Associates for several years to plan the ASR program in conjunction with the surface water project. The five ASR wells will allow the ability to store approximately 5,500 acre-feet per year at buildout (~1.8 billion gallons). Tim explained how this stored water can be utilized in the summer and stored for use in times of drought. In the summer, the City and its residents use approximately 5-6 million gallons/month, so 1.8 billion gallons translates into a 3-4 month's supply if it was used exclusively.

The City and West Yost performed injection testing at Well #28 with Lawrence Livermore Labs. They used a Xenon gas tracer to differentiate between injected groundwater and native groundwater sources. The testing determined there was a 98% recovery rate of water injected into the aquifer. Tim illustrated ASR methods graphically to depict stored surface water, native groundwater and the various types of aquifer ground materials (clay, sand, soil, gravel) and their properties. He explained how groundwater moves in the aquifer at different depths. Tim discussed the many requirements for filter pack media for ASR wells, which has typically been gravel. A Germany company manufactures a better filter pack material made of glass beads

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that has more effective permeability. Additionally, the glass beads deter bacterial growth and maintain a cleaner water quality. Glass beads are becoming more of an industry standard and only added \$10,000 to the project cost for each well. He passed around a sample of the glass beads. Tim and Ken Loy answered questions. Tim's PPT presentation can be viewed at: http://www.yolowra.org/meeting_technical.html.

- 11. PRESENTATION: Water Evaluation & Planning System Model (WEAP)** - Tim O'Halloran introduced David Purkey from the Stockholm Environment Institute (SEI) and added that the YCFC&WCD (YCFC) has been collaborating with SEI for about 4 years on different modeling projects. Today David will introduce information about SEI and the WEAP software. He will share some of the recent work SEI has done in Yolo County and how it could be used in response to Yolo's SGMA implementation goals. He acknowledged that Kristin Honeycutt, DWR, is well acquainted with WEAP during her involvement with the Yuba County Water Agency's utilization of WEAP for their IRWMP. SEI's is an international research "think tank" headquartered in Stockholm with a U.S. office in Davis. Their goal is to be an active interface between scientific research and the policy/decision-making process through the utilization of WEAP software. He detailed the many aspects of SEI's work in climate policy, energy planning, disaster preparedness and water resources to name a few. They have been developing WEAP for 25 years, which has become a standard modeling platform used worldwide. He explained how WEAP integrates the many aspects of water resources systems (physical infrastructure and hydrologic conditions) to run simulations for future climate projections. These simulation scenarios help decision-makers make better management decisions and understand potential risk factors. Changing scenarios, such as land use and population growth, can be incorporated into the model rather than making assumptions about past hydrology repeating itself in the future. This is important when taking into account changing agricultural scenarios and planning for SGMA implementation. More information about WEAP can be accessed at this website: <http://www.weap21.org/>.

David discussed some of SEI's work for Yuba County Water Agency and in Yolo County. SEI developed a Cache Creek model that is mainly focused on the YCFC's operations. The Cache Creek model can be useful as a starting point, if SGMA planning efforts want to extend this model to the entire county's water system. David detailed the elements that were used to develop the Cache Creek model, such as the Solano Decree, climate-driven hydrology, water rights, infrastructure and crop water demands. David explained how the "Robust Decision Support" (RDS) framework approach was used with YCFC to develop a formal vulnerability assessment of the YCFC's Cache Creek system. RDS is based on 3 key steps: participatory scoping, evaluation of multiple futures and management strategies leading to a robust strategy. Every stakeholder has a different definition of success. This exercise allows the varying definitions of success to be evaluated to produce a result that responds to a variety of concerns and results in agreeable management options and strategies.

He explained in further detail the problem formation used, described as the XLRM framework (Figure 1 and reference David's PPT presentation: http://www.yolowra.org/meeting_technical.html.) They created three climate scenarios using WEAP for a severe drought, wet climate and average climate. David illustrated the results of these factors in a graph.

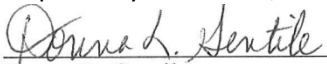
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Figure 1: SEI’s Problem Formation for the District

X (exogenous factors/ uncertainties)	L (levers/management strategies)
Climate	1: BAU (Current management)
Landuse	2,3,4: District pumping with 2, 10, and 20 pumps respectively
New regulations (SGMA)	5: Winterrecharge
	6: Periphery ponds
	7: Combined
R (relationships/model)	M (performance measures/metrics)
Cache Creek model (in WEAP)	Water supply reliability
	Financial viability
	Groundwater sustainability

David reviewed YCFC’s management options, objectives and performance metrics they could use to evaluate their options for the factors modeled. SEI did 84 model runs, using the 7 management strategies, 3 climate futures, 2 land use and 2 regulatory futures, to capture an aggregate of potential future conditions. David explained how water managers need to look at this large amount of ensemble data differently than a single output model typically used by water planners in the past. The climate of the past is not going to repeat itself perfectly in the future. The data results generated innovative visualizations using Tableau software and presented to YCFC over a several meetings. The aggregate results presented strategies for YCFC to consider for water supply reliability, the sustainability of both finances and groundwater resources of their operations. He summarized the strategies that emerged as front-runners for YCFC. David listed 6 benefits of using this approach: a formal participatory process, inclusive across multiple stakeholders and objectives, defines specific standards of “sustainability”, embeds deliberations with quantitative analysis, facilitates explicit handling of uncertainty and knowledge co-creation facilitates negotiations. He answered questions.

- 12. MEMBER INFORMATION:** YCFC&WCD, Winters, Davis, Dunnigan Water District, and Westside IRWMP/Jeanette Wrynski gave short updates on activities.
- 13. NEXT REGULAR TC MEETING DATE:** December 3, 2015, 8:30 - 10:30 a.m., Yolo County Flood Control & Water Conservation District Board Room.
- 14. ADJOURN** at 10:50 am

Respectfully submitted,

 Donna L. Gentile
 Board Secretary & Administrative Coordinator

**RESOLUTION NO. 1601
OF THE WATER RESOURCES ASSOCIATION OF YOLO COUNTY
BOARD OF DIRECTORS RECOGNIZING THE RETIREMENT OF SID ENGLAND
AND HIS CONTRIBUTIONS TO THE
WATER RESOURCES ASSOCIATION OF YOLO COUNTY**

WHEREAS, Sid England has served representing the University of California Davis as a Board member on the Water Resources Association of Yolo County (WRA) since its incorporation in 1994; and

WHEREAS, Sid England participated in the original Interagency Water Management Coordinating Group (ICOR) that was created from the implementation of the 1984 Yolo County Water Plan, which was the primary factor in the creation of the WRA from the implementation of the 1992 Yolo County Water Plan Update; and he has been on the WRA Board of Directors since its inception; and

WHEREAS, Sid England has served as WRA Vice-Chair from 1997-1999 and from 2005-2013 during his tenure on the WRA Board. He has also actively participated on the WRA's Technical Advisory and Executive Committees and other subcommittees over the past 21 years; and

WHEREAS, Sid England provided valuable leadership and insight that guided the WRA's development as a regional association since its inception. He was instrumental in the management and planning of water resources and issues related to sustainability on behalf of Yolo County's watersheds, wildlife and urban areas; and

WHEREAS, Sid England was an integral part of the development of several water resource management planning in Yolo County such as the 1992 Yolo County Water Plan Update, the 2007 Yolo County Integrated Regional Water Management Plan, the 2013 Westside-Sacramento Integrated Regional Water Management Plan and also working key water projects such as the Davis-Woodland Water Supply Project to bring Sacramento River surface water to Yolo County and the Yolo County Subsidence Monitoring Network; and

WHEREAS, Sid England is acknowledged by his colleagues for his knowledge, collaboration and diplomacy; and

NOW, THEREFORE, BE IT RESOLVED that the WRA Board of Directors do hereby extend to Sid England our sincere and grateful appreciation for his many years of dedication and leadership while serving on the WRA Board and our congratulations on his well-earned retirement. The WRA wishes Sid a long, happy, healthy and productive retirement.

PASSED AND ADOPTED at a regular meeting of the Water Resources Association of Yolo County on January 11, 2016, by the following vote:

AYES:
NOES:
ABSENT:

Attest:

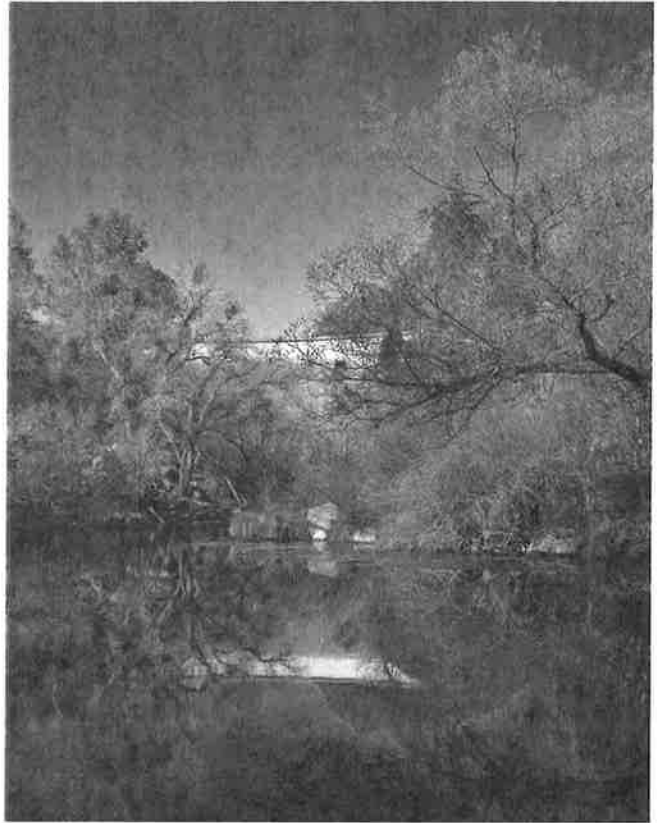
William L. Marble, Chair

Donna L. Gentile, Secretary
Water Resources Association of Yolo County

PUTAH CREEK

We need the tonic of wildness... We can never have enough of nature.

~Henry David Thoreau



REFLECTION OF MONTICELLO
ROB STONE • HIDDEN TREASURE PORTFOLIO

This project was produced with the support of the Putah Creek Council. www.putahcreekcouncil.org

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Dec. 11, 2015

Dear Yolo County WRA Board —

Putah Creek Council would like to thank you for the \$8,000 grant to help us fund the 2015 Putah Creek Cleanup in September, 2015. The cleanup was a fantastic success. Over 175 volunteers helped our staff of 3 clear rubbish, furniture, tires, hazardous waste and micro-trash from over 8 miles of the creek. We estimated over 5000 lbs of trash was properly disposed of. We even had the cities of Winters and Davis provide matching funds!

We are deeply grateful for your support, especially this fiscal year!

Sincerely,

Claire Shaw