



## WATER RESOURCES ASSOCIATION OF YOLO COUNTY

P.O. Box 8624, Woodland, CA 95776

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**Technical Committee Meeting**  
**Thursday, May 4, 2017, 8:30 – 10:30 am**  
Yolo County Flood Control & Water Conservation District,  
34274 State Highway 16, Woodland, CA 95695

### AGENDA

1. **Call to Order & Introductions**
2. **Approve Agenda and Adding Items to the Posted Agenda:** In order to add an item to the agenda, 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. **Approval of Minutes from Previous Committee Meeting:** Minutes (attached) will be approved by consensus through email communications. Previous meeting: 3/2/17 Please comment on minutes by 5/5/17, pages 3 - 9
4. **Public Comment:** The public may address the Committee relating to matters within the WRA's jurisdiction.
5. **DWR Update:** (Barrett Kaasa, DWR) - Update on topics of interest to the Technical Committee
6. **Funding Updates:** Discuss funding opportunities and updates on awarded grants.
7. **Water Legislation, Regulatory Issues & Delta Updates** (Tim O'Halloran, Yolo County, NCWA, Other)
8. **Sustainable Groundwater Management Act (SGMA) Planning and Implementation** (Tim O'Halloran/Kristin Sicke): Update SGMA implementation and Working Group/Subcommittees activities
9. **WRA Project Fund Budget:**
  - a) Updates on FY2016-17 project, as appropriate, by lead agency:
    - Salmon-in-the-Classroom/Salmon-in-the-Bypass, Putah Creek Council (\$5,000) – Project Presentation by PCC
    - City of Winters Storm Water Management Planning (\$15,000) – in progress
    - Huff's Corner Invasive Weed Removal & Management, Cache Creek Conservancy (\$15,500)
    - Pilot Program Conduct MFR Landscape Irrigation Audits, Woodland, Davis, West Sac (\$12,000) – in progress
    - Yolo Bypass Integrated Action Project, Yolo Basin Foundation (\$5,000) – on-going, quarterly invoicing
10. **Member Information & Future Agenda Items:** Committee members are invited to recommend topics for future meetings and report on current issues/activities.

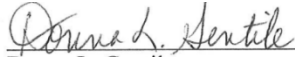
#### Future Agenda Items Suggested:

- RD 108's Flow Meter Program;
- Putah Creek Project Tour, Winters/LPPCC (>Project Phase 3, spring/summer?);
- RD 2035 Sacramento River Joint Intake facility tour (>June 2017)

**11. Next TC Meeting Date: Thursday, June 1, 2017, LOCATION:** Yolo County Flood Control & WCD, 34274 State Highway 16, Woodland. (Note: The TC reserves the 3<sup>rd</sup> Thursday of the month for an additional meeting as needed.)

**12. Adjourn**

*I declare under penalty of perjury that the foregoing agenda for the May 4, 2017 meeting of the Technical Committee for the Water Resources Association of Yolo County was posted by April 28, 2017 at the office located at 34274 State Highway 16, Woodland, CA and was available to the public during normal business hours.*



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Donna L. Gentile  
Board Secretary & Administrative Coordinator

**MINUTES of Technical Committee (TC) Meeting  
Water Resources Association of Yolo County  
March 2, 2017, 8:30 - 10:30 a.m.**

**DRAFT**

**Committee Members:**

Elisa Sabatini, Yolo County, TC Chair	Barrett Kaasa, DWR
Tim O’Halloran, YCFC&WCD	Donita Hendrix, Dunnigan Water District
Max Stevenson, YCFC&WCD	Carol Scianna, City of Winters
Jeanette Wrynski, Yolo County RCD	Ryan Burnett, City of West Sacramento
Tim Busch, City of Woodland	Bill Vanderwaal, Reclamation District 108
Dawn Calciano, City of Davis	Jordan Power, City of Woodland
Greg Meyer, City of Woodland	Richard Tsai, City of Davis
Donna Gentile, WRA	

**Other Attendees:**

John McKean	Dave Pratt
Jesse Crews, Stanford University	Susie Bresney, SEI
Ahmed Behroozmand, Stanford University	Vishal Mehta, SEI
Janet Martinez, Stanford University	Esther Conrad, Stanford University

**Member Agencies Absent:**

RD 2035	University of CA Davis
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- 1. CALL TO ORDER & Introductions** at 8:30 a.m. by Tim O’Halloran. Elisa Sabatini, TC Chair, was slightly delayed arriving to the meeting.
- 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 2/2/17 minutes are due by 3/3/17.
- 4. PUBLIC COMMENT:** No public comments.
- 5. CALIFORNIA DEPT. OF WATER RESOURCES (DWR) Update:** Barrett Kaasa, gave an update on DWR topics and answered questions. His report notes are attached at the end of these meeting minutes. One additional note, the Sacramento Valley subsidence survey start will be delayed by 1 -2 months, because DWR staff is assisting with the Lake Oroville dam situation
- 6. FUNDING UPDATES:**
  - Max Stevenson reported on the Prop. 84 Drought Grant projects. The City of Woodland’s recycled water project is completed. The YCFC&WCD’s project to install automated gates and some wells is about half way completed. One of the three Lake County projects has also been completed to date.
  - Bill Vanderwaal informed that RD 108 is still working through their 2016 Water Use Efficiency Grant.
  - Kristin Sicke reported that YCFCWCD/WRA’s Storm Water Resource Plan (SWRP) grant contract is almost ready for be fully executed. Kennedy/Jenks Consultants and the Stockholm Environment Institute will be working with us to gather information on all the projects. Then they will help us determine the best method to quantify the project benefits per the State’s guidelines. A kick-off meeting will be held today after the TC meeting. In order to be eligible for the next round of project implementation funding in spring 2018, we must have a SWRP.
  - Carol Scianna reported that Winters Putah Creek Phase 3 is awaiting a final permit from Army Corps of Engineers that has already been approved. Hopefully, project work will begin next summer.

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- Jeanette Wrynski gave an update on the Westside-Sacramento IRWM's Disadvantaged Community Involvement (DAC) assessment process (Phase 1) may start as early as April. This is about a 1- 1 ½ year process. Funding remaining from the Phase 1 can be allocated to projects. She explained that there is \$3.7 million available for the entire DAC funding region, which will be a very competitive process. Jeanette will be giving a more detailed report at the Westside-Sacramento IRWM Coordinating Committee meeting next Wednesday in Lake County.
- Max gave an announcement about the free workshop for private domestic well owners by the Rural Community Assistance Company on April 8<sup>th</sup> in West Sacramento. Register online: <https://www.events.rcac.org/assnfe/ev.asp?ID=1039>

**7. WATER LEGISLATION & REGULATORY ISSUES UPDATE:**

- Tim O'Halloran reported that the Northern California Water Association (NCWA) is currently tracking Senator Dodd's SB 252 (groundwater well permits). Tim mentioned Representatives LaMalfa and Garamendi's HR1269 (Sites Reservoir - accelerate federal project review and authorized federal project participation).
- Carol Scianna gave an update on the breakdown in negotiations between the Solano County Taxpayers Association and the State regarding their lawsuit over the new state drinking water standard for Chromium 6 MCL. They claim that the new standard is both baseless and extremely costly for taxpayers.
- Kristin Sicke mentioned Assembly Member Gray's AB 313 (Water Management Structure Overhaul) which proposes to restructure the administration and enforcement of water rights move from the SWRCB to DWR's jurisdiction.
- Elisa Sabatini reported that the State will present an update to the Central Valley Flood Protection Plan at a public meeting on March 9<sup>th</sup> at 6 pm at the Woodland Community Center. Also on March 9<sup>th</sup> the Sacramento Metro Chamber will hold their annual State legislative summit.

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

Tim O'Halloran reported on the Winters and Woodland SGMA public meetings held in February and several Working Group and Subcommittee meetings. The Subcommittee is recommending a 2-year timeline for the Groundwater Sustainability Agency (GSA) formation with a one entity/one vote and membership fee structure. After 2 years, the structure will be re-visited. They are also proposing an Affiliate Membership for those agencies that are not legally allowed to participate as a voting GSA member. The Yolo County Farm Bureau will nominate a representative to represent the private pumpers. An Affiliate Member seat for the environmental community will be held as a placeholder until an appropriate agency/representative can be identified. On Monday, a SGMA Subcommittee will be conference calling with the lawyers to further discuss the draft Joint Powers Agency (JPA) agreement for the GSA. Hopefully, this will expedite the process to finalize the draft agreement. Participating GSA membership agencies will bring the draft agreement to their Boards/Councils for consideration and approval by the end of April. The intention is to replicate the WRA model as much as possible for the GSA, since that structure that has served Yolo well for the past 2 decades.

Elisa Sabatini gave an update on the informal tri-county process to check-in on SGMA progress being made in Yolo, Solano and Sacramento County. They usually meet quarterly. Tim informed that Colusa County has adopted our JPA format. Bill Vanderwaal has been involved in this process and gave a short update on Colusa and Glenn counties.

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Elisa reported that the Yolo County Board of Supervisors received a SGMA update from Tim in February 2017. Tim and Elisa gave an overview of the discussions.

In other news, Elisa gave an update on the Knights Landing (KL) drinking water system and State water quality issues they are facing. There are five wells under the KL Community Services District and only one is currently in working. Yolo County is working with several State agencies on ~ \$2.4 million funding request under the DWR DAC funding opportunity to update the KL infrastructure and drill a new well. Elisa also gave a project update on the Regional Flood Management Plan (RFMP). She highlighted two projects in the Yolo Bypass that are moving forward more quickly: Lower Elkhorn Setback Levee (widening of the Yolo Bypass) and the Bryte Landfill Remediation project. Yolo County is working with DWR to acquire the Bryte Landfill that needs to be remediated before the widening project can begin.

9. **Stanford University Subsidence Monitoring Research Study: Update and Survey**, Jesse Crews will be giving an update on the research study. Esther Conrad will conduct a short social science component survey at the end of today's presentation, as done at their first presentation in 2016. Jesse presented an update on the results of their analysis of land subsidence data in Yolo County using Interferometric Synthetic Aperture Radar (InSAR) (satellite-based technology) processing. The goal of this study was to compare collected GPS land-based subsidence data during the same survey periods in Yolo County with InSAR data collected. Jesse gave an overview of the approach used for the project, the results of the comparison analysis and recommendations for the future. This project was designed to assess how satellite-based techniques influence stakeholders' understanding of subsidence in Yolo County and appropriate policy responses for decision-makers. Jesse explained the technology behind collecting and processing the InSAR data. Data was available between 2002 to 2012 from two different satellite missions. However, they could only use the data from one of the missions, because data was not consistently collected by the other satellite. He reviewed the results of their InSAR analysis and how that data compared with the GPS-based survey conducted from 2008 to 2016 from the Yolo Subsidence Network event conducted by Frame Surveying & Mapping. There is a strong spatial correlation between the GPS and the InSAR surveys. Both surveys indicated the area of maximum subsidence is located in the Zamora area. The maximum rate of subsidence is also consistent. No other areas of significant subsidence were observed. Jesse reported that InSAR provides finer detail on the exact shape and size of the subsidence-affected areas than the GPS-based survey.

A new satellite mission, Sentinel-1, was launched in 2014 with data collection planned through 2021. Sentinel data will be available free of charge. The mission is designed for approximately 12 days between passes over the same area. Currently, InSAR analysis can be obtained through sponsored research with USGS, NASA Jet Propulsion Laboratory, or certain universities such as Stanford. Jesse summarized the cost comparisons of using InSAR collected data versus a GPS land survey (assuming that InSAR data is free).

Jesse discussed the recommendations from the study. Given the positive agreement between InSAR and traditional ground-based techniques and its cost-effectiveness, it is recommended that InSAR be incorporated into the subsidence-monitoring plan for the Yolo groundwater subbasin. Given the rate and magnitude of observed subsidence in Yolo County since 1999, assessing subsidence

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patterns with InSAR analysis is advisable at intervals no longer than 3 to 4 years. Areas of Yolo county that are potentially problematic for InSAR to collect data include the Dunnigan Hills, the Capay Valley, and the Coast Ranges, however these areas have not shown significant subsidence to date. Ground-based survey work is also still advisable as part of the overall subsidence monitoring plan for Yolo County. However, if InSAR-based monitoring continues to provide sufficient spatial and temporal resolution for groundwater management decisions, the ground-based surveys may be undertaken less often, such as every 8 to 10 years. For more details from the presentation, view his PowerPoint file: [www.yolowra.org/meeting\\_technical.html](http://www.yolowra.org/meeting_technical.html). The TC took a short break to take Esther's survey to get feedback on the potential use of InSAR for land subsidence in Yolo County.

**10. WRA PROJECT FUND BUDGET:** <http://www.yolowra.org/projects.html>

- a) Updates on FY2016-17 projects: Jordan Power gave a short update on the 3 cities' MFR Large Landscape Irrigation Audits project progress. The heavy rains have delayed some of the project's activities. Donna reported that Carol Scianna will have a report on their Storm Water Plan project for an upcoming TC meeting.

List of FY2016-17 projects in progress:

- *City of Winters Storm Water Management Planning (\$15,000)*
- *Huff's Corner Invasive Weed Removal & Management, Cache Creek Conservancy (\$15,500)*
- *Pilot Program Conduct Multi-Family Residential (MFR) Landscape Irrigation Audits, Cities of Woodland, Davis, West Sacramento (\$12,000)*
- *Salmon-in-the-Classroom/Salmon-in-the-Bypass, Putah Creek Council (\$5,000) – spring planned activity.*
- *Yolo Bypass Integrated Action Project, Yolo Basin Foundation (\$5,000) – on-going meetings & activities*

- b) Discuss FY2017-18 WRA project fund budget considerations: Elisa informed that the WRA will be reserving all FY2017-18 project funds for SGMA implementation activities, except for the WRA's MOU cost share for the Westside-Sacramento IRWMP. Therefore, there will not be a call for projects in FY2017-18.

**11. MEMBER INFORMATION & FUTURE AGENDA ITEMS** – A few activities were highlighted.

There will be a Prop. 1 Storm Water Resource Plan grant kick-off meeting directly after today's TC meeting to discuss an outline on a developing a Plan by the Kennedy/Jenks project managers.

Future Agenda Items Suggested:

- RD 108's Flow Meter Program
- Tour of RD 2035 Joint Intake facility (it's technically under construction until June 2017)
- Putah Creek Project, Winters tour re-visit after Phase 3 (Rich Marovich)

**12. NEXT REGULAR TC MEETING DATE:** April 6, 2017, 8:30 – 10:30 a.m., at the YCFC&WCD, 34274 State Highway 16, Woodland.

**13. ADJOURN** at 10:00 a.m.

Respectfully submitted,

Donna L. Gentile,  
Board Secretary & Administrative Coordinator



**California Department of Water Resources  
Division of Integrated Regional Water Management  
North Central Region Office**

Prepared for **Yolo WRA Technical Committee Meeting**,  
Wednesday, March 2, 2017.

*North Central Regional Office Contact:*  
Barrett Kaasa, Engineering Geologist  
E-mail: [bkaasa@water.ca.gov](mailto:bkaasa@water.ca.gov)  
Phone: (916) 376-9618

*Office Address:*  
3500 Industrial Blvd, Room 131  
West Sacramento, CA 95691  
Office Phone: (916) 376-9600

**A. Upcoming/Current DWR Grant Funding Opportunities**

*DWR Financial Assistance Branch ([water.ca.gov/funding](http://water.ca.gov/funding))*

Financial Assistance Mailing List Subscription: <http://www.water.ca.gov/funding/subscription.cfm>

→ Proposition 1 IRWM DAC Involvement (DACI) Program – No new updates since February

Program Website: [water.ca.gov/irwm/grants/p1\\_dac\\_involvement.cfm](http://water.ca.gov/irwm/grants/p1_dac_involvement.cfm)

- DACI RFP Online: \$51M, DAC involvement/outreach for IRWM: *Emphasis on outreach programs. **Accepting applications through March 2017, coordinate with DWR staff (contact info below).***
- DAC Projects and Implementation rounds expected in 2018 and 2020.
- *Past Example Studies:* [water.ca.gov/irwm/grants/p1\\_dac\\_involvement.cfm](http://water.ca.gov/irwm/grants/p1_dac_involvement.cfm)

*Proposition 1 DACI Financial Assistance Branch Contacts:*

Mehdi Mizani, Water Resources Engineer  
E-mail: [Mehdi.Mizani@water.ca.gov](mailto:Mehdi.Mizani@water.ca.gov)  
Phone: (916) 651-9250

Craig Cross, Project Manager  
E-mail: [Craig.Cross@water.ca.gov](mailto:Craig.Cross@water.ca.gov)  
Phone: (916) 651-9204

→ Groundwater Planning Grant Program – No new updates since February

Program Website: [water.ca.gov/irwm/grants/sgwp/](http://water.ca.gov/irwm/grants/sgwp/)

- Funding mainly for GSP preparation, high and medium priority basins only.
- There will be a funding cap for each basin (not defined yet), but no guaranteed funding for each basin.
- Total Funds remaining \$86.3 million; \$76.3M + SDAC \$10M.
- 50% Cost Share can be waived for DAC/SDAC Projects.
- **Anticipated release of Draft PSP – Spring 2017 (Final PSP expected Summer 2017).  
Will conduct public meeting in Spring 2017 following release of Draft PSP.**

Planning Grant Program Schedule: [water.ca.gov/irwm/grants/sgwp/upcomingevents.cfm](http://water.ca.gov/irwm/grants/sgwp/upcomingevents.cfm)

*Groundwater Planning Grant Program Contact:*

Heather Shannon, Senior Engineering Geologist  
E-mail: [Heather.Shannon@water.ca.gov](mailto:Heather.Shannon@water.ca.gov)  
Phone: (916) 651-9212

→ Joint Agricultural Water Use Efficiency & State Water Efficiency and Enhancement Prog. (DWR/CDFA Joint)

Program Website: [water.ca.gov/wuegrants/AgWUEPilot.cfm](http://water.ca.gov/wuegrants/AgWUEPilot.cfm)

- For conveyance enhancements combined with on-farm agricultural water use efficiency improvements and greenhouse gas reductions.
- **Final RFP Online, Application deadline April 21, 2017.**

*Joint Agricultural Water Use Efficiency & State Water Efficiency and Enhancement Program Contact:*

Fethi BenJemaa, Program Manager

E-mail: [WUEGrants@water.ca.gov](mailto:WUEGrants@water.ca.gov)

Phone: (916) 651-7025

→ Proposition 1 CalConserve Water Use Efficiency – Revolving Fund Loan Program - No new updates since February

Program Website: [water.ca.gov/wuegrants/CalConserve.cfm](http://water.ca.gov/wuegrants/CalConserve.cfm), *final guidelines and solicitation both online.*

- Pilot project for agencies to provide water efficiency upgrades to eligible residents at no upfront costs.
- Agencies to provide low-interest loans to customers to finance water conservation improvements.
- 2015 Funding Awards Announced (12/28/16): [water.ca.gov/wuegrants/awards.cfm](http://water.ca.gov/wuegrants/awards.cfm)
- **Application Package re-opened: first-come, first-served basis until funds are exhausted.**
- **Funds still available:**
  - ***\$1.75M available to be loaned out for water use efficiency upgrades.***
  - ***\$5M available to be loaned out for fixing expensive and difficult to repair customer leaks.***

*Proposition 1 CalConserve Water Use Efficiency Program Contact:*

Fethi BenJemaa, Program Manager

E-mail: [WUEGrants@water.ca.gov](mailto:WUEGrants@water.ca.gov)

Phone: (916) 651-7025

## **B. Sustainable Groundwater Management (SGM) Updates**

DWR Sustainable Groundwater Management Branch ([water.ca.gov/groundwater/sgm](http://water.ca.gov/groundwater/sgm))

SGM Mailing List Subscription: [water.ca.gov/groundwater/sgm/subscribe.cfm](http://water.ca.gov/groundwater/sgm/subscribe.cfm)

→ New SGMA Portal

- Website: <http://sgma.water.ca.gov/portal/>
- New website for GSA submittals, GSP Submittals, Alternative Plans, and Adjudicated Areas
- Use this site for GSA notification
- All submittals from previous sites are included on the new website
- Ability for public to see GSAs, GSPs, Alternative Plans, Adjudicated Areas without login
- Use for communication between local agencies (GSAs) and DWR
- Identify Overlapping Areas, and ask for GIS assistance through the portal.

*GSA Contact:*

Mark Nordberg, GSA Project Manager

Email: [Mark.Nordberg@water.ca.gov](mailto:Mark.Nordberg@water.ca.gov)

Phone: (916) 651-9673



→ Submission and Public Comments on Alternative Plans

- DWR developed online reporting system allowing agencies to submit Alternative Plans and for public to review and comment on submissions. Public comment deadline extended until April 1, 2017.
- Alternative Submittal Website: [water.ca.gov/groundwater/sgm/alt.cfm](http://water.ca.gov/groundwater/sgm/alt.cfm)
- **Alternative Plan Submission Deadline was 1/1/2017**

*Alternative Plan Reporting Contact:*

Trevor Joseph, Sup. Engineering Geologist

E-mail: Trevor.Joseph@water.ca.gov

Phone: (916) 651-9218

*General Groundwater Management Contacts:*

Bill Brewster, NCRO Senior Engineering Geologist

E-mail: Bill.Brewster@water.ca.gov

Phone: (916) 376-9657