

REGIONAL DROUGHT CONTINGENCY PLAN & REGIONAL WATER RELIABILITY PLAN SOUTH SUB-REGIONAL MEETING

Tuesday, March 7, 2017: 9:00 am
 5620 Birdcage Street, Suite 110
 Citrus Heights, CA 95610
 (916) 967-7692

ATTENDEES

Organization	Attendee(s)
City of Folsom	Todd Eising
City of Sacramento	Brett Ewart
Elk Grove Water District	Bruce Kamilos
Fair Oaks Water District	Tom Gray
Sacramento County Water Agency	Dave Underwood
Sacramento County Water Agency	Mike Huot
Regional San	José Ramirez
Regional Water Authority	Rob Swartz
Stantec	Ibrahim Khadam
Stantec	Yung-Hsin Sun
Wood Rodgers	Sean Spaeth
Wood Rodgers	Alyssa Leidel

MEETING SUMMARY

- Presentation topics included: Regional Drought Contingency Plan/Regional Water Reliability Plan background and process review, overview of vulnerabilities and mitigation actions/opportunities, in-depth group discussion on vulnerabilities and mitigation actions/opportunities by vulnerability category, and next steps.
- Agenda, hard copy of the presentation slides, 11x17 Vulnerabilities by Agency, and Identified Subregional Vulnerabilities and Mitigation Actions/Opportunities were distributed as materials (also attached).
- See updated Vulnerabilities and Mitigation Action/Opportunities (attached) for summary of mitigation actions discussion.

Questions, parking lot items, other feedback and discussion items:**City of Sacramento (Brett Ewart)**

Q: On the water district map, what is the uncolored portion above Fruitridge?

A: Area shown on map is technically not served by a water district, although it is served by the City of Sacramento.

Q: Would an intertie with West Sacramento be beneficial to the City of Sacramento?

A: An intertie with West Sacramento would cause for a lot of overlap. It is outside of the City's water rights to send water to West Sacramento. When Hodge is in effect, it is prohibited for the City of Sacramento to wholesale American River water.

Q: How is the City of Sacramento planning on increasing system capacity?

A: The City of Sacramento is planning on adding more groundwater wells in order to increase groundwater capacity and replace aging infrastructure.

Q: Can groundwater wells be shut off during times of increased surface water availability?

A: There is a problem with turning off specific groundwater wells for a period of time. Bacteria accumulates when pump is off. When pump is turned back on, water is required to be pumped straight to waste until bacteria problem disappears. Essentially, there needs to be a minimum operation of its groundwater infrastructure for the affected wells.

Q: How does the City of Sacramento cope during times of low flow in the Sacramento River?

A: The intake on the Sacramento River is vulnerable and results in low pumping efficiency. Pump efficiency during low river levels means the City either lives with the inefficiency or redesigns the intake structures.

City of Folsom (Todd Eising)

Q: Are there any interties that the City of Folsom has considered?

A: The City of Folsom and San Juan have discussed an intertie to connect surface/raw water to the City of Folsom treatment plant. This would cost millions of dollars to install a pipeline. Therefore, a relationship with SMUD would be beneficial to help move surface water.

Q: Will the City of Folsom build additional treatment plants?

A: There is talk of infrastructure and a treatment plant south of 50 to target growth area. Also, diversion of the water from the south canal could bring raw water back to the existing plant. Most importantly, they need to figure out how to overcome hydraulics to get water from San Juan to Folsom.

Sacramento County Water Agency (Dave Underwood)

Q: How is SCWA planning on increasing system capacity?

A: SCWA has 35,000 acre/ft of well capability but does not currently pump at this capacity. Well field in between Hwy 99 and Elk Grove Blvd is on fire stand-by. SCWA needs to remediate some shallow wells that have high arsenic levels. Wells north of Mather Base have been destroyed due to high perchlorate values.

Elk Grove Water District (Bruce Kamilos)

- For conjunctive use, EGWD could turn off groundwater wells in Service Area 1 and use surface water from SCWA if infrastructure is constructed.

Q: How is EGWD planning on diversifying water supplies?

A: EGWD would like to work on getting more areas outfitted to receive water from Vineyard WTP. There is already plumbing in place for EGWD to receive water in its Service Area 2, but not Service Area 1.

Regional San (José Ramirez)

- Regional San is able to discharge treated water to the river and allow SCWA to extract the amount of water discharged from Regional San. SCWA needs to figure out how to divert "treated water" upstream of discharge.
- Regional San is currently planning on building a 24" pipeline that would service the southern portion of Sacramento County. This pipeline would provide treated recycled water to south county farmers.

Fair Oaks Water District (Tom Gray)

- FOWD has pipeline terminating on the north side of the American River. FOWD is looking into connecting to the south with City of Folsom. This pipeline could benefit Citrus Heights and San Juan with surface water and with very little investment.

Miscellaneous Questions and Answers

Q: Can you store fluoridated water by groundwater injection? Dave, SCWA

A: Yes, although it is a lengthy permit process. However, Roseville has accomplished this. Rob, RWA

Q: What impact does disinfection products have on water supply? Rob, RWA

A: Disinfection products cause large problems during drought. City of Sacramento had to use inertie with SCWA to mix water in order to meet drinking water standards. Brett, City of Sac

Q: Is it possible to stop fluorination? Sean, Wood Rodgers

A: No, public hearings halted the idea of stopping fluorination a couple years ago for City of Sacramento. Brett, City of Sac

A: SCWA has a 10 million dollar grant to fluoridate water. If they were to stop now, they would have to pay back the entire grant. There are 15 years out of 20 years left with their current contract. Dave, SCWA

Q: Why not have a system that takes more water during shoulder months? Rob, RWA

A: Cost of water is \$125 acre/ft plus overhead. Cost is currently too high for agencies to purchase water from the City of Sacramento. City does not want to invest any more money in Fairbairn. Brett, City of Sac

Q: Can you inject surface water into the ground during low usage months for later use and recharge? Todd, City of Folsom

A: Must be treated, has to be dechlorinated. Sean, Wood Rodgers

A: Injection is expensive, but could possibly offset the high cost of water during demand months. Rob, RWA

- Next Joint RDCP/RWRP meeting tentatively scheduled for: Wednesday, April 12, 2017, 1:00pm at RWA office.

Action Items:

- City of Folsom and Golden State are working on an intertie regarding surface water. Todd Eising, City of Folsom
- Continue with agreement between City of Sacramento and SCWA in order to better service Arden area. Dave Underwood, SCWA
- Rehabilitating one well per year. Trying to fix water quality issues concerning groundwater wells. Wells are contaminated with bacteria, high levels of manganese, iron, and/or arsenic. Bruce, EGWD
- City of Sacramento is working on a pipeline with Regional San that will serve the City's southwest portion service area with recycled water. Final design could begin in 2019. José, Regional San
- Regional San is working on the project: South County Ag that would supply farmers with Title 22 tertiary-treated recycled water for certain crops. José, Regional San