

**AGENDA**  
**Sonoma Valley Groundwater Sustainability Agency**  
**Advisory Committee Meeting**

Date/Time: May 14, 2019 | 3:00 p.m. – 5:30 p.m.

Location: Valley of the Moon Water District Office, 19039 Bay Street, El Verano

Contact: Ann DuBay, Sonoma County Water Agency, SVGSA Administrator

Email: [Ann.DuBay@scwa.ca.gov](mailto:Ann.DuBay@scwa.ca.gov) Phone: (707) 524-8378

<b>Time</b>	<b>Agenda Item</b>	<b>Materials</b>
Welcome and roll call –		
3:00	<b>Call to Order – Roll Call and Introductions</b> <i>Fred Allebach, Advisory Committee Chairman</i> <i>Tim Parker, Advisory Committee Meeting Facilitator</i>	
	<b>General Public Comments</b> This time is reserved for the public to address the Committee about matters NOT on the agenda and within the jurisdiction of the Committee.	
3:10	<b>Agenda and 2019 Meeting Schedule Planning and Review</b> <i>Fred Allebach, Advisory Committee Chairman</i> <i>Tim Parker, Advisory Committee Meeting Facilitator</i>	Meeting Agenda and 2019 Schedule
3:15	<b>Review Action Items and Approval of Previous Meeting Summary</b>	March Meeting Summary
3:20	<b>Ad Hoc Progress Report</b> <i>Fred Allebach, Advisory Committee Chairman</i> <i>Objective: Discuss Ad Hoc progress, and receive Advisory Committee input.</i>	
3:40	<b>Groundwater Sustainability Plan - Basin Setting</b> <i>Marcus Trotta, Sonoma Water</i> <ul style="list-style-type: none"> <li>▪ Hydro-geologic Conceptual Model – Draft subsection</li> <li>▪ Current and Historical Groundwater Conditions</li> </ul> <i>Objective: Discuss approach and concepts, proposed narrative and figures, and receive Advisory Committee input.</i>	Revised Draft HCM subsection Draft Groundwater Conditions subsection (handout)
4:20	<b>Aquifer Storage &amp; Recovery Project Overview</b> <i>Marcus Trotta, Sonoma Water</i> <i>Objective: Informational - Discuss concepts and project overview, and receive Advisory Committee input.</i>	PPT presentation (handout)
4:50	<b>All-Basin SGMA Climate Change Workshop</b> <i>Andy Rich, Sonoma Water</i> <ul style="list-style-type: none"> <li>▪ SMGA requirements for incorporating climate change into the Sonoma Valley Groundwater Sustainability Plan</li> <li>▪ Upcoming May 22 Climate Change workshop</li> <li>▪ Q&amp;A/Open group discussion</li> </ul>	PPT presentation (handout)

**AGENDA**  
**Sonoma Valley Groundwater Sustainability Agency**  
**Advisory Committee Meeting**

	<i>Objective: Learn about SGMA regulations that require consideration of climate change scenarios in the development and implementation of the Sonoma Valley GSP.</i>	
5:10	<p><b>Updates</b></p> <p><i>Ann DuBay, Administrator</i></p> <ul style="list-style-type: none"> <li>▪ Recent GSA Board Activity</li> <li>▪ May 20 GSA Board field visit, 3:30 p.m. meeting time, VOMWD</li> </ul> <p><i>Andrea Rodriguez</i></p> <ul style="list-style-type: none"> <li>▪ GSA Outreach – Social Media</li> </ul> <p><i>Marcus Trotta, Technical Staff</i></p> <ul style="list-style-type: none"> <li>▪ Recent GSA Technical Work</li> <li>▪ DWR Proposition 68 Draft Grant Guidelines/Proposal Solicitation Package and public comment period</li> </ul> <p><i>Tim Parker, Parker Groundwater</i></p> <ul style="list-style-type: none"> <li>▪ Legislative and Administration Update</li> </ul> <p><i>Objective: Provide relevant updates that inform Advisory Committee discussions.</i></p>	Legislative Update
5:25	<b>Review Meeting Action Items and Ask For Any Closing Comments</b>	
5:30	<b>Meeting Adjourns – Next Meeting Date July 9<sup>th</sup></b>	

Special Accommodations: If you need special assistance to participate in this meeting, please contact Ann DuBay at (707) 524-8378 or by email at Ann.Dubay@scwa.ca.gov. Notification of at least 48 hours prior to the meeting will assist staff in assuring that reasonable arrangements can be made to provide accessibility of the meeting.

Meeting Documents: Materials are available for review at Sonoma Water, 404 Aviation Blvd, Santa Rosa, 95403, during normal business hours, and a copy of the agenda packet will be available for public review at the meeting. Any documents provided at the meeting by staff will also be available to the public. The agenda and agenda packet materials are also available at: <http://sonomavalleygroundwater.org/>

Public Comment: Members of the public may attend meetings of the Sonoma Valley GSA Advisory Committee and may comment before Advisory Committee consideration of individual agenda items, or during General Public Comment on any matter within the jurisdiction of the Advisory Committee. As needed, time limits may be placed on public comments to ensure the Advisory Committee is reasonably able to address all agenda items during the course of the meeting.

For more information, please contact Ann DuBay, Ann.Dubay@scwa.ca.gov.

**Sonoma Valley Groundwater Sustainability Agency  
Board and Advisory Committee Meeting Schedule**

SVGSA Board	Advisory Committee
<b>2019</b>	
<b>January 28</b> Stormwater Capture & Groundwater Recharge	<b>January 8</b> Recycled Water use in Sonoma Valley Hydro-geologic Conceptual Model and Current and Historical Groundwater Conditions – Draft Subsection Components
	<b>February 12</b> Stormwater Capture/GW Recharge Seepage Monitoring (Sonoma Ecology Center) Discussion of Surface Water – Groundwater Interactions Hydro-geologic Conceptual Model – Narrative and Figures Current and Historical Groundwater Conditions – Narrative and Figures
<b>March 25</b> Aquifer Storage and Recovery	<b>March 12</b> Groundwater Markets – Mammoth Trading & Environmental Defense Foundation Hydrogeologic Conceptual Model – Draft Subsection
<b>May 22, 4-6 p.m.</b> <b>All-GSA Workshop: Climate Change &amp; Groundwater Sustainability</b> <ul style="list-style-type: none"> <li>• GSP requirements regarding climate change</li> <li>• Local implications of climate change on groundwater and surface water</li> <li>• How this information will be incorporated into GSPs</li> </ul>	
<b>May 20</b> Joint Board/Advisory Committee field trip: Eastside Sonoma pumping depression	<b>May 14</b> Hydro-geologic Conceptual Model – Revised Subsection Current and Historical Groundwater Conditions – Draft Subsection Aquifer Storage and Recovery Ad-hoc update
<b>July 22</b> Agricultural & Urban Water Conservation advances and technologies	<b>July 9</b> Water Budget Requirements Overview Groundwater Flow Model Overview Sustainability Indicators for the Basin – Initial Discussion Ad-hoc update

## Sonoma Valley Groundwater Sustainability Agency Board and Advisory Committee Meeting Schedule

SVGSA Board	Advisory Committee
<p><b>Early Fall: Public Workshop on Sonoma Valley GSP and Basin Conditions</b></p> <ul style="list-style-type: none"> <li>• What defines the basin?</li> <li>• Communities</li> <li>• Water sources</li> <li>• Areas of concern</li> <li>• SGMAs 'six deadly sins' and how they are defined, determined and what other areas are doing about them</li> </ul>	
<p><b>September 23</b> Introduction to Sustainable Management Criteria</p>	<p><b>September 10</b> Water Budget Components Model Scenarios for Water Budget Management Areas Discussion Sustainable Management Criteria Introduction and Considerations for defining Undesirable Results</p>
	<p><b>October</b> Water Budget Update Management Areas Sustainable Management Criteria Sustainability Indicators for the Basin</p>
<p><b>November 25</b></p>	<p><b>November 12</b> Water Budget - Draft Subsection Management Areas Recommendation Sustainable Management Criteria Sustainability Indicators for the Basin</p>

**Sonoma Valley Groundwater Sustainability Agency  
Advisory Committee Meeting  
MEETING SUMMARY**

Meeting date/time: March 12, 2019 ♦ 3:00 p.m. – 5:30 p.m.

Location: Valley of the Moon Water District Office, 19039 Bay Street, El Verano

Contact: Ann DuBay, Sonoma Valley GSA Administrator

Email: [AnnDuBay@scwa.ca.gov](mailto:AnnDuBay@scwa.ca.gov) Phone: (707) 524-8378

**MEETING RECAP**

- Fred Allebach, SVGSA Advisory Committee Chair, welcomed all attendees and kicked off the SVGSA Advisory Committee meeting.
- The meeting agenda and schedule were reviewed.
- The previous meeting summary for February 2019 was approved unanimously by Advisory Committee Members to finalize and post.
- Richael Young, Mammoth Trading, and Christina Babbitt, Environmental Defense Fund, provided a webinar on Water Markets/Trading.
- Marcus Trotta, Sonoma Water, provided an update on Sonoma Valley Groundwater Sustainability Plan (GSP) progress, and an overview of the Hydro-geologic Conceptual Model.
- Brief Administrator Update was provided.

**SUMMARY OF ACTION ITEMS**

<i>Action Item</i>	<i>Responsible Party</i>	<i>Deadline</i>
1) Check with Legal Counsel to see if GSA has authority to review development projects.	Staff	May 2019
2) Calendar May 22 Climate Change workshop.	All	April 2019
3) Finalize and post the February meeting summary on the SVGSA website.	Staff	April 2019
4) Send out revised GSP Section 1, and post revised Section 1 on the website.	Staff	March 2019
5) Provide feedback to Staff on handout figures, and on describing system as two aquifers.	AC Members	April 2019
6) Send out proposed locations of deeper wells and shallow wells.	Staff	March 2019

**Next Meeting:** May 14, 2019, 3:00 p.m. – 5:30 p.m., Valley of the Moon Water District

**Sonoma County Groundwater Website:** <http://www.sonomagroundwater.org/>

**MEETING SUMMARY**

**Roll Call, Public Comment**

The public was provided an opportunity for comment at the beginning of the meeting.

Tom Artnen (Sonoma Valley Citizens Advisory Committee): Development of a cannabis program in the county; when are these projects coming before the GSA? SVGSA Administrator Ann DuBay will be communicating with Citizens Advisory Committee staff regarding process.

Advisory Committee comments:

- Once you do one project, you will be doing them all.
- Does the GSA even have authority to provide input?

*ACTION ITEM:* Ann DuBay will check with legal staff to see if GSAs have authority to review development projects.

### **Agenda and Meeting Schedule Review**

The Advisory Committee (AC) reviewed the meeting agenda and meeting schedule.

*ACTION:* All Advisory Committee members to calendar the May 22<sup>nd</sup> Climate Change Workshop.

### **Approval of January Meeting Summary**

*ACTION ITEM REVIEW:*  
All Action Items were completed.

*ADVISORY COMMITTEE ACTION:* The previous meeting summary for February 2019 was approved unanimously by the AC to finalize and post.

*ACTION ITEM:* Staff to finalize and post the February meeting summary on the SVGSA website.

### **Webinar: Groundwater Markets and Trading**

Presentation provided by Richael Young with Mammoth Trading and Christina Babbit with the Environmental Defense Fund. Presentation posted on the SVGSA website.

*Tim Parker* gave background information:

Several years ago, there was a grant from the Water Foundation that provided funding, with a contribution from Sonoma Water, for an urban water markets/trading pilot program in the Sonoma Valley. Aquashares was the pilot program contractor to implement the grant, which established a pilot program through the Valley of the Moon Water District. Aquashares also voluntarily met with several members of the former Technical Advisory Committee for the voluntary Sonoma Valley Groundwater Management Plan (several of whom are also members of the current SVGSA Advisory Committee) to explore a water market for groundwater users in Sonoma Valley. Those Advisory Committee members that participated in the pilot program have voiced interest in pursuing a groundwater markets/trading program as part of the current GSA activities. Other Advisory Committee members have wanted more information and background on

groundwater markets/trading, which have resulted in this webinar by our two webinar speakers, Richael Young with Mammoth Trading and Christina Babbit with the Environmental Defense Fund.

*Richael Young:*

Mammoth Trading is a water markets company that operates worldwide.

What is a Water Market? Many different names: banking, rotational agreement, leases, etc. designed to move limited resources around within a basin or area.

Water markets: Depend on good governance; even mature markets face problems. Groundwater management planning is used to develop a market; implementing a market requires ongoing management. Water markets create incentives for water saving devices.

Some water market details include:

- Monitoring and metering - can't trade what you do not measure.
- Can move water from low-value crops to higher-value crops.
- Usually not water itself is traded. It's not pumping and physically conveying. It's more of an accounting activity between buyers and sellers within a basin where groundwater is hydrologically connected.
- Oldest known water market is in Oman, more than 1,000 years old. Wealth of knowledge on how they operated.
- People often conflate market with restrictions/regulations. The point of a market is to ease the economic burden and optimize water resources availability with demand.
- Models are unique and must fit the situation.
- Water markets do not only benefit the wealthy.
- Transaction costs can be high, and this can be a challenge.
- The most common structure of water markets are no structure at all; where it's just a handshake agreement between the buyer and seller.

Monitoring and enforcement:

- Allocations must be quantifiable – so GSA must quantify the resource. You can't put the cart before the horse. With a structured groundwater rights framework, you can:
  - Develop multi-year allocations.
  - People can pool allocations across wells.
  - Create flexibility, and allocations across space and time.

Water markets have to be thoughtfully designed:

- Don't want to impact surface water rights holders, or environmental users.
- A poorly designed market can exacerbate groundwater issues.
- Several factors in market participation and figuring out workflow.

- Confidentiality and trust are probably the most unanticipated aspect.
- Need to incentivize transparent rules; this also creates fairness and consistency; almost create a checklist.
- Auctions and reverse auctions are inherently biased toward buyer or seller.
- Need to be transparent about who benefits from market structure
- Water market challenges:
  - Pricing
  - Too high allocations
  - Environmental conditions
- California examples include:
  - Chino Basin, 15 years old
  - Mojave Basin, 12 years old
  - Pilot in Fox Canyon

*Christina Babbitt:*

Experience that EDF has on water markets indicate that well-designed trading programs can help improve conditions, can be effective, efficient and can protect water rights holders.

- EDF thinks a lot about the role that allocations play; working in San Joaquin Valley
- Agrees that water trading isn't new, but designing them for SGMA is new in terms of avoiding six undesirable results.
- Data and modeling tools will be critical, especially related to monitoring.
- People need to understand the basin water budget and demands, and then establish an accounting system for them.
- Establish a cap and allocations before the water market is ready to be implemented.
- Some challenges are that under SGMA water rights can't be changed by the GSA/GSP, but the GSA/GSP have to address undesirable results. SGMA doesn't operate in a silo: human right to water, surface water rights, environmental uses etc.
- Water trading is one tool that needs to be applied with other tools. Need to incorporate values into trading tools.

*Question:* Limitations/restrictions on pumping is an underlying assumption in markets. Are we looking at ultimately placing pumping restrictions?

*Richael Young:* Yes. Absolutely. There are some areas where there are 'hotspots'. You can put well moratoria and well spacing requirements in the place. In hotspots, people can trade water in, but can't trade out.

*Christina Babbitt:* The "management areas" are the California SGMA lingo for this.

*Question:* Groundwater rights will unfold over time?

*Christina Babbitt:* No definitive answer. Some GSAs are considering allocation based on acreage. Others set a cap. EDF is working with water attorneys to look at best



options. California water allocations can be created in any form. Come together and agree, but if people don't agree and go to court, may need to go back to square one. So, need to rely on California groundwater rights legal system (overlyers and appropriators).

*Question:* How do you adjust unexercised rights and allocations? Separate pot of water set aside for these people? There is some creativity involved.

*Richael Young:* UC Berkeley has done a good job of writing up groundwater rights law. Mojave went through adjudication: Got people to voluntarily stipulate by saying 'if you agree with this new allocation, then can participate in the market.' Have a well-documented and thoughtful rationale will help if it gets challenged. Many people spent months talking to Aquashares about market design and don't want to reinvent wheel. Don't want to overtax resources, but knowledge of conditions is imperfect.

*Question:* How can you design around this?

*Christina Babbitt:* The market design can be flexible; need to address how rules will change when science becomes available. GSAs start with relatively limited information. Can start informal and take a pilot type of approach and only allow leases in the beginning. If do it as a permanent transfer, then you are locked in.

*Richael Young:* Also, build in buffers or leave-behinds to reflect uncertainty. The buffer can create an incentive. Offsets can increase transaction costs (it makes water more expensive). It's a trade-off.

*Question:* Don't quite understand if CA is different than other locations and if results are different? Is there location for information?

*Richael Young:* CA isn't special. It's radically different in adopting groundwater policy. Complex groundwater rights; last to get on the bandwagon and so no need to reinvent the wheel. Spatial and temporal externalities are happening in other areas, and can look to them for models. Handful of case studies, but not a lot is written up. Zack wrote something on Mojave. Twin Flats NRD, but a lot of stuff lay in people head. RY, mid-April trip to CA. But not a super large repository.

*Christina Babbitt:* Mojave and Chino stem out of adjudication, and this context is different than SGMA. Fox Canyon is the first example of a groundwater market in SGMA context.

*Question:* Top down strategy vs market strategy. Are they evils of an equal value? People found a way to cheat and rob environ water. Is there a way to design a system around this?

*Richael Young:* Monitoring and enforcement is critical. Groundwater pumping happens over private property over millions of acres. Relatively easy to check on SW diversions. So higher monitoring and enforcement costs for groundwater. There is a lot of resistance to putting meters on wells; looking at alternative technologies. There is a lot of uncertainty with these, and can make a big difference. Tens of thousands of Nebraska wells are metered and if they can afford it, then CA can. It's in people's best interest because livelihood is based in groundwater use. Need to

change narrative and change people's receptivity. Also, need to have very steep penalties. In the Upper Republican basin someone cheated and groundwater rights were revoked (loss of \$1 million in groundwater rights).

Christina Babbitt: Semi Tropic using satellite data; may be more reliable than metering (if meter breaks down). The technologies come a long way.

*Question:* Can you talk about confidentiality and transparency?

*Richael Young:* Rules must be very transparent. In terms of confidentiality, self-identifying means people could be less open to trading. It's an area of ongoing debate. Growers don't want to put out how much they are willing to pay. Same with nonprofit groups. Confidentiality is important for market transactions. There is a need to separate legal issues. Mojave discloses pricing information, which isn't the standard.

*Public Comments:*

1. How to accomplish trade in unconnected basin? A lot of work needs to be done to figure out market within basin to see if it works. Not a fan of inter-basin trading. Most are focused within districts. Need to be thoughtful of how much trading we need.
2. How is monetized opportunity for profit consistent with SGMA?
3. How do you contract with something that isn't a commodity but subject to?

*Question:* Are there examples from basins that are more similar to ours? Would like staff to explore.

*Christina Babbitt:* Some examples: Fox Canyon and Ventura County, are more similar to Sonoma Valley - The Nature Conservancy is involved.

### **Groundwater Sustainability Plan – Basin Setting and Hydro-geologic Conceptual Model**

Presentation provided by Marcus Trotta, Sonoma Water. Presentation posted on the SVGSA website.

Next section is Current and Historical Groundwater Conditions. Also, the basin cross sections, which are being done in coordination with USGS have been delayed due to federal government shutdown, and should be available for the next AC meeting.

*ACTION ITEM:* Send out revised GSP Section 1 to AC and post revised Section 1 on the website.

This is a conceptual model, based on the best information that we currently have for the basin. This is not a theoretical or computer (flow) model. For the conceptual model, we need to think carefully about each aquifer and how it's characterized and described.

- Discussion of whether surface water-groundwater connection belongs in HCM section or following section.

- Discussion of figures: Hydraulic connectivity information is related to soil properties and underlying geology (Figure 3.2)
- Should have noted geographic areas identified (Glen Ellen, Kenwood, etc.)
- Discussion of 3.2 and how soils were characterized.
- 3.3, map by California Geological Survey. Lumped some areas into one (alluvium and flow rocks).
- Concern that attached key will get lost from map, when it's used as a handout. Suggestion to add colors to map. Or, add a reference on Figure 3-3a about 3-3b. Remove 'city footprint' from legend, since not shown.
- Figure 3-5 - shows rocks that aren't really part of the groundwater system. Shows that rocks are very deep (over 10,000 feet) in the southern part of valley. Proposing not to use basement as the bottom. Once you get below a certain depth, groundwater is generally poor quality, and the well pumping yield is low. Proposing that bottom of the basin where fresh groundwater can be found as approximately 1,500 feet. We can revisit this depth with the AC as we revise GSP over time. *Question:* Does the hydrogeology below 1,500 feet influence the rest of the basin?
- Noted that zones of depression correspond with natural features. It's overlying saturated, permeable materials that wells extract groundwater from; so quantity of water may be great (and extractable).
- Another explanation is that faults are located near these areas, and could be limiting recharge to areas. They have relevance but not clear what it is.
- *Comment:* Printed map is hard to distinguish brown colors, so possibly consolidate categories or use contours.
- Figure 3.6: Developed with a 3-D model using 2,000 well logs in the basin and assigned based on driller descriptions - shows where volcanics extend into aquifer system.
- Principal aquifers
  - Shallow aquifer - 200 feet depth or less
  - Deeper aquifer - greater than 200 feet depth
- Hard to differentiate with geologic units. MT described figures 3-7a, b, c
- *Question:* Would it help to add something that describes this as the primary units in top 200 feet depth?
- *Comment:* Visually, it's hard to work the figures, but paints an interesting picture.
  - Figures show the variability in aquifers.
- *Comment:* The hatched area has very few wells; need to make this clearer and perhaps show well locations on figures.
- *Comment:* Maps tell a really good story.
- *Question:* Does the rationale of deep and shallow aquifers provided also help us define management areas? Could consider (rather than calling the deep

- areas in the north from the deep areas in the south) separate management areas.
- How we manage the water in different areas should provide flexibility.
  - *Question:* By describing the two aquifers, then are we pre-supposing that all the shallow aquifer is hydrologically connected? And all the deep aquifer is connected? Could we look at groundwater use in the basin?
  - *Comment:* Doesn't seem like we have enough information to more finely define the aquifers.
  - 3-8 a, b: This figure is showing recharge potential
  - *Comment:* 3-9: Discharge map: Define NHD and NWIS spring and seep (why are they distinguished, except for data sources?)

***ACTION ITEM:***

Provide feedback to Staff on these figures, and any concern or suggestions on describing system as two aquifers.

***ACTION ITEM:***

Send out proposed locations of deeper wells and shallow wells.

**Administrator Update:**

- SVGSA draft budget available - will adopt in April
- SRPGSA
  - Discussion of SRP proposed fees and ongoing process
  - Re-working fees and contributions
  - April first reading of proposed ordinance
  - June meeting target to adopt fees structure

**PUBLIC COMMENT**

No further public comment received.

**MEETING ATTENDEES**

***Advisory Committee Members***

Fred Allebach	Caitlin Cornwall
Helge Bruckner	Norman Gilroy
Greg Carr	Vicki Hill
Ken Johnson (by phone)	Jane Whitsett (by phone during water market presentation)

***Staff***

Ann DuBay, SVGSA Administrator  
 Marcus Trotta, Sonoma Water  
 Tim Parker, Facilitator, Parker Groundwater

**LEGISLATIVE AND ADMINISTRATION UPDATE**  
**Prepared by Tim Parker, Consultant to SVGSA AC**

**GROUNDWATER SUSTAINABILITY NOTABLES**

- Groundwater Exchange – website to bring together resources from multiple agencies and organizations to help support SGMA – <https://groundwaterexchange.org/>
- DWR SGMA Program website <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>
  - Draft Phase 2 Prioritization - Sonoma Valley (High), Santa Rosa Plain and Petaluma Valley (Medium, other Sonoma County basins (Very Low)
  - New Technical Assistance Data and Tools Fact Sheet - includes Available Datasets, Interactive Maps, Tolls-Models, and Reports and Guidance <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Data-and-Tools/Files/FAQ-and-Fact-Sheets/SGMA-Data-Tools-and-Reports-Fact-Sheet.pdf>

**ADMINISTRATIVE AND POLICY ITEMS**

**GOVERNOR**

- State Budget - May Revision should be out week of May 6<sup>th</sup> - due at latest May 14<sup>th</sup>
- Governor Executive Order - Directs State Agencies to Prepare Water Resilience Portfolio for California <https://www.gov.ca.gov/2019/04/29/water-resilience-portfolio-for-california/>  
<http://resources.ca.gov/wp-content/uploads/2019/04/Fact-Sheet-on-Water-Resilience-Portfolio-4-29-19.pdf>
- Commitment to Safe and Affordable Drinking Water – budget trailer bill to address that mirrors former SB 623 Monning
- WaterFix
  - WaterFix – one tunnel supported by Administration
    - Two-tunnel environmental documents and permit request withdrawn
    - DWR has commenced preparing documents to support one tunnel

**RESOURCES AGENCY**

*Department of Water Resources* <http://www.water.ca.gov>

- Statewide precipitation for Northern Sierra 8 Station Precipitation Index is 61.4 inches and 128% of average [http://cdec.water.ca.gov/reportapp/javareports?name=PLOT\\_ESI.pdf](http://cdec.water.ca.gov/reportapp/javareports?name=PLOT_ESI.pdf)
- Northern CA reservoir conditions all above 100% of average historical capacity for this date <http://cdec.water.ca.gov/reportapp/javareports?name=rescond.pdf>

**LEGISLATIVE UPDATE** <http://leginfo.legislature.ca.gov>

May 17<sup>th</sup> - Last day for Fiscal Committees to meet and report to the floor bills introduced in their House

- AB 129 Bloom - Waste management – plastic microfiber - would enact legislation to recognize the emerging threat that microfibers pose to the environment and water quality and would make related findings and declarations – dead, 2 year bill – can be brought back in 2020
- AB 134 Bloom - Safe, clean, and accessible drinking water - amended to require State Water Board to conduct annual assessment of financial need to provide safe drinking water - in Assembly Appropriations - hearing May 16<sup>th</sup>
- AB 217 Garcia – Safe and affordable drinking water fund - Would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are available, upon appropriation by the Legislature – in Appropriations on suspense - hearing May 16<sup>th</sup>
- B 223 Stone - California Safe Drinking Water Act: microplastics - 2 year bill
- AB 292 Quirk – Recycled water – raw water and groundwater augmentation – bill would eliminate the definition of “direct potable reuse” and instead would substitute the term “groundwater augmentation” for “indirect potable reuse for groundwater recharge” in these definitions - passed out of Assembly into Senate
- AB 441 Eggman – Water – underground storage (as beneficial use) – would provide that certain uses of stored water while underground constitute beneficial use - also removes five-year use it or lose it on stored water - in Appropriations on suspense - hearing May 16<sup>th</sup>
- AB 636 Gray – SWRCB – Water quality objectives - oversight of State Board - 2 year bill

- AB 637 Gray – SWRCB – RWQCBs – SDACs – drinking water supplies – oversight of state board - in Appropriations on suspense - hearing May 16<sup>th</sup>
- AB 638 Gray – DWR – water storage capacity – would require biennial updates to statewide storage estimates by DWR - in Appropriations on suspense - hearing May 16<sup>th</sup>
- AB 658 Arambula – Water rights – water management – conditional temporary permit for surface water diversion and groundwater recharge - in Appropriations on suspense - hearing May 16<sup>th</sup>
- AB 756 Garcia – Public water systems – PFOA and PFOS – Would require a public water system to monitor for perfluorooctanoic acid and perfluorooctane sulfonate - hearing May 16<sup>th</sup>
- AB 839 Mullin – Climate adaptation – strategy – adaptation through resiliency, vitality and equity account - would require the Secretary of the Natural Resources Agency, no later than July 1, 2021, to develop, adopt, and implement a comprehensive, coordinated, and proactive strategy for the state to adapt to the unavoidable impacts of climate change - hearing May 16<sup>th</sup>
- AB 841 Ting – Drinking water contaminants – PFAS - Would require the Office of Environmental Health Hazard Assessment to adopt and complete a work plan within prescribed timeframes to assess which substances in the class of perfluoroalkyl and polyfluoroalkyl substances should be tested as a risk to human health - in Appropriations on suspense - hearing May 16<sup>th</sup>
- ACA 3 Matthis - Clean Water for All Act - would set aside 2% general funds for water supply - in Assembly
- SB 19 Dodd – Water resources – stream gages - Would require the Department of Water Resources and the State Water Resources Control Board, upon an appropriation of funds by the Legislature, to develop a plan to deploy a network of stream gages that includes a determination of funding needs and opportunities for modernizing and reactivating existing gages and deploying new gages, as specified - in Appropriations on suspense - hearing May 16<sup>th</sup>
- SB 45 Allen – Wildfire, drought, and flood protection bond act of 2020 – in Senate Appropriations - will be heard May 13<sup>th</sup> or 17<sup>th</sup>
- SB 200 Monning – Safe and affordable drinking water fund – Would establish the Safe and Affordable Drinking Water Fund in the State Treasury - would provide that moneys in the fund are available, upon appropriation by the Legislature, to the State Water Resources Control Board to provide a stable source of funding to secure access to safe drinking water for all Californians, while ensuring the long-term sustainability of drinking water service and infrastructure - hearing May 13<sup>th</sup>
- SB 204 Dodd – Water Fix oversight - Would require the Department of Water Resources to provide at least 10 days' notice to the Joint Legislative Budget Committee and relevant policy and fiscal committees of the Legislature before holding public sessions to negotiate any potential amendment of a long-term water supply contract that is of project wide significance with substantially similar terms intended to be offered to all contractors, or that would permanently transfer a contractual water amount between contractors - in Senate Appropriations - hearing week of May 13<sup>th</sup>
- SB 307 Roth – Water conveyance – use of facility with unused capacity – precedent setting in terms for additional environmental review beyond CEQA and the Courts – in Senate Appropriations - hearing week of May 13<sup>th</sup>
- SB 332 Hertzberg – Wastewater treatment – recycled water – Would declare, except in compliance with the bill's provisions, that the discharge of treated wastewater from ocean outfalls is a waste and unreasonable use of water - in Senate Appropriations on suspense - hearing week of May 13<sup>th</sup>
- SB 414 Caballero – Small systems water authority act of 2019 – Would create the Small System Water Authority Act of 2019 and state legislative findings and declarations relating to authorizing the creation of small system water authorities that will have powers to absorb, improve, and competently operate noncompliant public water systems - in Senate Appropriations on suspense - hearing week of May 13<sup>th</sup>
- SB 669 Caballero – Water quality - safe drinking water fund - Would establish the Safe Drinking Water Fund in the State Treasury and would provide that moneys in the fund are continuously appropriated to the State Water Resources Control Board- in Senate Appropriations on suspense - hearing week of May 13<sup>th</sup>