



AGENDA

DATE	Thursday, December 17 th , 2020; 9:00 am – 11:00 am (PST)
LOCATION	https://global.gotomeeting.com/join/971623325 ; Call-In: 1 (877) 568-4106; Access Code: 971-623-325
STAKEHOLDER ADVISORY GROUP LIST	Ken Payne, P.E., (El Dorado Water Agency); Karen Bender, REHS, RD (El Dorado County - EMD); Jason Burke (City of South Lake Tahoe); Scott Carroll (CA Tahoe Conservancy); Andrea Buxton (Tahoe Resource Conservation District); Brian Grey, P.G. (Lahontan Regional Water Quality Control Board); Paul Nielsen (TRPA); Joey Keely, Nicole Bringolf (USFS – LTBMU); Nakia Foskett (Lakeside Park Water Co.); Jennifer Lukins (Lukins Brothers Water Co); Daniel Larson (Tahoe Keys Water Co.); Harold Singer (Community Rate Payer); and John Thiel, PE (South Tahoe PUD)
PLAN MANAGER	Ivo Bergsohn, PG, HG (South Tahoe PUD)

BASIN MANAGEMENT OBJECTIVES (BMO)

1. Maintain a sustainable long-term groundwater supply.
2. Maintain and protect groundwater quality.
3. Strengthen collaborative relationships with local water purveyors, governmental agencies, businesses, private property owners and the public.
4. Integrate groundwater quality protection into local land use planning activities.
5. Assess the interaction of water supply activities with environmental conditions.
6. Convene an on-going Stakeholders Advisory Group (SAG) as a forum for future groundwater issues.
7. Conduct technical studies to assess future groundwater needs and issues.
8. Identify and obtain funding for groundwater projects.

WORKSHOP OBJECTIVES

OBJECTIVES

1. Learn about current activities related to PCE groundwater contamination in the South Y Area.
2. Review outreach materials developed for the Tahoe South Subbasin Alternative.
3. Discuss SAG input received on 2014 GMP Table 10.1 - Implementation Plan Review.
4. Review the proposed contents for the updated Alternative technical report.
5. Discuss potential project ideas for the updated Alternative.

SEE REVERSE FOR AGENDA



AGENDA

Time	Description	
9:00	Roll call (5-Minutes)	SAG
9:05	TVS Basin (6-005.01) - Open Forum (10-Minutes) Opportunity for members to briefly raise topics within the subject matter of the SAG and not listed on the Agenda.	Round Robin
9:15	South Y PCE Contamination – Update (5-minutes per person) <ul style="list-style-type: none"> • J. Lukins, LBWC • D. Larson, TKWC • I. Bergsohn, STPUD • B. Grey, LRWQCB • A. Cazier, LRWQCB 	Round Robin
9:45	Tahoe South Subbasin Alternative (6-005.1) – Part I <ul style="list-style-type: none"> • SAG Discussion <ul style="list-style-type: none"> ○ Outreach Materials ○ 2014 GMP Table 10.1 	Round Robin
10:15	5-minute BREAK	
10:20	Tahoe South Subbasin Alternative (6-005.1) - Part II <ul style="list-style-type: none"> • SAG Discussion <ul style="list-style-type: none"> ○ Tahoe South Subbasin Alternative (TOC) ○ Potential Projects 	Round Robin
11:00	Adjourn	

Tahoe Valley South Subbasin (6-005.01) Groundwater Management Plan

MEETING NOTES

Thursday, December 17th, 2020; 9:00 am - 11:00 am

Location: On-Line Meeting

<https://global.gotomeeting.com/join/971623325>;

SAG ATTENDEES:

John Thiel, PE; Ivo Bergsohn, PG, HG (STPUD); Ken Payne, PE (El Dorado Water Agency); Rick Lind (El Dorado Water Agency); Brian Grey, P.G., Abby Cazier (Lahontan Regional Water Quality Control Board); Michael Conger (Tahoe Regional Planning Agency); Jason Burke (City of South Lake Tahoe); Nicole Bringolf (USFS- Lake Tahoe Basin Management Unit); Andrea Buxton (Tahoe Resource Conservation District); Jennifer Lukins (Lukins Brothers Water Co); Daniel Larson (Tahoe Keys Water Co.); Nakia Foskett (Lakeside Mutual Water Company)

Participants: 21

BASIN MANAGEMENT OBJECTIVES:

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WORKSHOP OBJECTIVES

1. Learn about the current Private Well Owner Survey – Phase II being performed by the District for the TVS Basin.
2. Learn about the South Y PCE Regional Plume Characterization and activities planned by the LRWQCB during the 2020 Field Season.
3. Consider DRI plans for groundwater model evaluation in support of the first 5-Year Update of the 2014 Groundwater Management Plan (2014 GMP).
4. Review the current status of the 2014 GMP Implementation Plan (Table 10-1).

Roll Call

Roll-Call Sheet

TVS Basin (6-5.01) - Open Forum (Group)

Current groundwater-related topics outside Agenda

I. Bergsohn, STPUD

- SGMA Implementation Grants (Prop 68): Prop 68 Grant Round 1 Solicitations (\$26 million) Opened for COBs (recording of December 3 webinar available on SGM Grant Program web page); Round 2 Solicitations (\$77 million) for High & Medium Basins anticipated opening early 2022.;
- Year-end 2020WY: Total ppt. at TVS Basin Reference Station (Hagan's Meadow) = 20.4"; average = 30.31"; Below Normal WY; Total Groundwater Pumpage from PWS Wells (including LMWC, thank you Nakia) = 6,791 AF (~90% of long-term median value (7,556 AF)).

Comparison of May 2019 to May 2020 groundwater levels shows an average decline of 1.8 feet.

Tahoe Valley South Subbasin (6-005.01) Groundwater Management Plan

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South Y PCE Contamination – 5-Minute Updates

J. Lukins, LBWC

- The Treatment Plant is going well. They will finish putting in the lighting this week, and then will start on the indoor piping, which should be finished by the beginning of January. Title 22 testing should be done in February, and then there will be no obstacles to having it online in May.
- Jennifer has been working with the Division of Drinking Water (DDW) so that the plant can operate while the permit is in-process. She is really excited and offered to give a tour if anyone wants to come and see it.
- The Treatment Plant work includes; an upgrade to Well #5 (installed casing liner); proper abandonment of Well #2 and new construction of: a 98,000-gallon storage tank; a 250 kW emergency power generator; two 8,800 –gallon GAC Treatment Vessels; and 4 booster pumps (2 x 15 Hp; 2 x 30 Hp) with redundancy. The GAC treatment system is designed to remove PCE to non-detect levels from groundwater produced by LBWC Well #5 at a design flow rate of up to 700 gpm at PCE concentrations up to 300 ppb.
- Jennifer will send out a press release and news letter to all of LBWC's customers in the Spring, barring the pandemic, to have a ribbon cutting ceremony.
- Dan Larson asked if LBWC will have treatment for iron (Fe) and manganese (Mn). Jennifer replied that at this time, water quality results do not show a need for Fe/Mn treatment. Ivo indicated that water quality results presented in the Feasibility Study shows that Fe/Mn treatment would likely be required should a future groundwater treatment system be installed for a Replacement Well (R1) constructed at the former LBWC #4 well site (843 Hazel Drive).
- John Thiel asked what the expected treatment level would be. Jennifer confirmed that the treatment system will be operated such that PCE levels will be removed to non-detect levels (<0.5 ppb). The MCL for PCE is 5 ppb.

D. Larson, TKWC

- The highest PCE contamination levels have been at TKWC Well#1 (3.6 ppb). It goes down as the volume of water goes down. One hit at Well #3 in April was 1.2 ppb. Well #2 has GAC, but is currently offline for the Winter months. The highest level at Well #2 while online was detected in the raw water at 27 ppb.
- Ivo inquired whether the 3.6 at Well 1 was the historically highest PCE concentration detected in groundwater pumped from this well. Dan yes it is and it appears to be progressively increasing with use.

I. Bergsohn, STPUD

- Prop 1 GW Clean-Up Program has a current balance of \$170 M for Round 3 Funding;
- \$100 M is earmarked to fund projects benefitting designated Disadvantaged Communities (DACs);
- Round 3 Funding is being held in reserve to allow Prop1 Planning Projects (such as the South Y Feasibility Study) to compete for Implementation Grant funding;
- Solicitations are anticipated to start Summer of 2021;
- Seeking to schedule a conference call with TKWC and LBWC after the Holidays to talk about potential Implementation Projects and level of interest in pursuing this funding.

Brian Grey, LRWQCB

- Brian provided a brief update on site-specific projects. The sources of PCE contamination that have been identified to date are Lake Tahoe Laundry Works (LTLW), Big O, and Hurtzel Properties.
 - Lake Tahoe Laundry Works LTLW filed a lawsuit in June stating that the Cleanup and Abatement Order (CAO) was defective under the SWRCB Porter Cologne Water Quality Control Act Subsection 13267 (Investigations:inspections) as to whether they had knowledge at the time. The case was relegated back to Lahontan to determine liability, and if the CAO was defective under

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Subsection 13267. Subsection 13267 related to cost burden/benefit analysis, and on 12/8 Lahontan provided the same ruling as to the defective cost/benefit analysis. The current agreement is for Lahontan to review the CAO while LTLW will continue to do on site groundwater tests and remediation until the analysis is complete.

- Big O provided a summary of passive gas activities on 11/11. The report showed elevated levels of PCE mass at 3 site locations: storm drain inlet; hydraulic lifts; and a floor drain in the area. A Work Plan for additional work should be in by the end of the week. PES Environmental provided comments on 12/15. All reports available on Geo Tracker
- Hurzel Property did passive soil gas investigation work in October of 2020. PES Environmental similarly provided comments without report dated 11/3. Lahontan has not received the report as of yet, but the initial conversation with the consultant indicated elevated PCE around the former excavation area; the soil gas survey did not find indicators of PCE near the storm drain. Anticipate report by end of year.

Abby Cazier, LRWQCB

- During the last SAG Meeting on July 29, 2020 Abby described several paths anticipated for the 2020 season using the SCAP funds from SWRCB. These projects were not completed due to significant delays that have indirectly affected getting things done in a timely fashion. Abby has been working with the Contractor to make sure that the project is successful and that the tasks need to be completed, but she has not seen an updated cross section. One will be provided as soon as it is submitted. Abby reviewed the SCAP construction tasks with the group.
- Task 3
 - Define extent of PCE Contamination, completed September 2020
 - Update subsurface sections, anticipated January 2021;
 - Complete Technical Report, anticipated April 2021
- Destroy Priority Conduits
 - LBWC #4, destroyed June 2020
 - Destroy Inactive Monitoring Wells, in-progress, identify priority MWs
- 2021 Field Season (anticipated)
 - Preferential Pathways investigation;
 - Destruction of Inactive Monitoring Wells;
 - Sentry Well Installations; LBWC #1, TKWC #3;
 - Soil Gas Investigation Planning: Identify appropriate sample locations
- Task 8 – South Y Contamination Historical Database, in-progress

Tahoe South Subbasin Alternative – Part 1

Outreach Materials

- Ivo would like to receive feedback from the SAG group on the outreach materials included in the Materials Package for this Workshop after the Year's Holiday at the latest. Outreach items are planned to be rolled out later this month.

Public Notice to Participate

Handouts: Public Notice to Participate

- Notice prepared to announce development of the 5-year Update to the 2014 GMP;
- To be posted on Groundwater Management Plan Web Page;
- To be included in Direct Mailer to selected Stakeholder Groups(see Stakeholder Engagement Chart);

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- For use as a general Flyer
- Round Robin to field Questions/Comments/Suggested Changes
 - Rick Lind (EDWA) inquired whether the Participation Notice is on the EDWA Web Site. Ivo responded that as EDWA GSA is collaborating on this update, it is expected that the Public Notice would also be posted on the EDWA web page (The Participation Notice includes logos from both Agencies).
 - R. Lind suggested EDWA web site to include link to Groundwater Management Plan Web Page.
 - The District would appreciate if TKWC and LBWC would also include links from their web sites to the District's Groundwater Management web page to access the Notice and for more information on the 5-year Update.
 - R. Lind suggested that the District prepare a Media Release for roll-out of the Participation Notice; Ivo Agreed.

TSS Stakeholder Survey

Handouts: TSS Stakeholder Survey

- Stakeholder Survey adapted from DWR Survey Template;
- Used to identify water and land managers; groundwater concerns; recommendations for groundwater management ; and familiarity with SGMA, GSAs and SAG
- To be included in Direct Mailer to selected Stakeholder Groups (see Stakeholder Engagement Chart)
- Should this be posted on Groundwater Management Plan Web Page; other media;?
- Round Robin to field Questions/Comments/Suggested Changes
 - None

2014 GMP Update Presentation (PowerPoint)

Handouts: TSS Alternative Presentation

- PowerPoint Presentation developed as a Primer for Interested Parties to learn more about the 5-year Update to the Groundwater Management Plan (herein referred to as the Tahoe South Subbasin Alternative);
- Planned to be posted on the Groundwater Management Plan Web Page
- Posted as –is; or as a video recording?
- Round Robin to field Questions/Comments/Suggested Changes
 - Rick Lind asked if there might be a use for a summary that could be distributed to the press as a downsized version, and of course leaving the Primer on the website. He would also like to have the Primer on the Water Agency website, or a hyperlink, and if there be a press release prior to the Primer.
 - Ivo will work with Shelly Thompsen, STPUD Public Affairs & Conservation Manager on putting together a media release to circulate announcing the presentation as well as availability.

Stakeholder Engagement Chart

Handouts: TSS Stakeholder Engagement Chart

- Potential Stakeholders identified for the update to the Groundwater Management Plan, based on the Engagement Chart developed by DWR for GSP Development;
- Stakeholders are organized into Three Tiers to show the differing types of Methods and Outreach Materials that will be used to engage these differing Stakeholder Groups.
- Any thoughts, questions/comments on the Stakeholders and Organization of this Chart?
 - John Thiel said that this looks like great list.
 - Rick Lind asked if the School Districts are on the list as well.

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- Ivo will have to go back to the list to confirm, he believes that they are, but will make sure. The School Districts have been very motivated to get away from using their own wells and getting connected to a public water system.
- Jason Burke said that John Friedrich, new City Council member, has put together a multi-cultural panel that may be helpful with public outreach to the Hispanic community. He will email the Council Man and put him in touch with Ivo.
- Round Robin to field Questions/Comments/Suggested Changes
 - See above

2014 GMP Table 10.1

Handouts: Table 10. Implementation Plan Review

- Ivo apologized for not getting the .docx file for this item to the group earlier.
- Table 10-1 was developed from the Implementation Plan presented in Section 10 of the 2014 GMP;
- Columns were added showing the current status and description of these items for the group's review and comment.
- Ivo is seeking input on items that may need to be modified, or are obsolete, and can be removed from the Tahoe South Subbasin Alternative. He is also seeking thoughts about any items that are missing and should be added to the Implementation Plan.
- Round Robin to field Questions/Comments/Suggested Changes
 - None
 - Ivo is not looking to finalize this right away. He asked the group to look through this and send feedback and comments through March; prior to the next SAG Meeting.

Tahoe South Subbasin Alternative – Part 2

Tahoe South Subbasin Alternative – Table of Contents

Handouts: Tahoe South Subbasin Alternative – Table of Contents (11/20/2020)

- Ivo is working on a draft of the Table of Contents developed for the TSS Alternative;
- The outline was developed from the 2014 GMP Outline
- Added items recommended by DWR for inclusion in the TSS Alternative; and
- Items to maintain functional equivalency of the TSS Alternative to a GSP
- Round Robin to field Questions/Comments/Suggested Changes
 - Ivo would like to add logos for STPUD and EDWA. He would be identified as the Plan Manager and primary point of contact for DWR.
 - Ivo reviewed the sections of the working draft. A lot of this is being brought over from the existing GWMP, but it is likely to change as we start getting information from DRI.
 - If anyone has concerns they should get them to Ivo as soon as possible. Although the Alternative is not due until January 1, 2022, we probably need to get it completed by early 2021 due to the need for public comments and Board review and adoption.
 - Rick Lind asked if Ivo had followed up about the information that was out there on El Dorado and Placer County's American River Basin Plan, which was updated in 2014.
 - Ivo did get in touch with them and had a conversation about the information that was out there about that effort. It was determined that the assumptions that they used were similar and that they were using the same set of models. Although we were never able to get a meeting together with the group, the research that we did showed that the drought and climate change simulations were very similar. The discussion will be included in the alternatives documents.



Groundwater Management Plan Update for the Tahoe South Subbasin (6.005-1)

South Tahoe Public Utility District
Groundwater Sustainability
Agency

(11/23/2020)



The District and El Dorado Water Agency are in the process of developing the first five year update of the 2014 Groundwater Management Plan (2014 GMP) for the Tahoe South Subbasin, herein referred to as the Tahoe South Subbasin Alternative (Alternative).

The Tahoe South Subbasin (Subbasin) covers an area of about twenty-three (23) square miles underlying the City of South Lake Tahoe and the neighboring communities of Angora, Meyers and Christmas Valley in El Dorado County, CA.

The following presentation provides;

- Background information on the current 2014 GMP;
- A description of the update process; and
- How you can get involved with this process.



BACKGROUND

- Sustainable Groundwater Management Act (SGMA)
- Tahoe South Subbasin (Subbasin)
- Groundwater Sustainability Agencies (GSAs)
- Tahoe South Subbasin Alternative (Alternative)



BACKGROUND

Groundwater Sustainability Agencies (GSAs) are local agencies recognized by the California Department of Water Resources (DWR) for managing groundwater on behalf of all beneficial uses and users of groundwater within their respective groundwater basins.

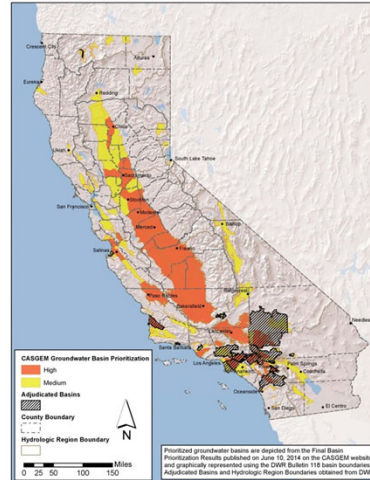
The following section provides general background information on;

- The Sustainable Groundwater Management Act (SGMA);
- The Tahoe South Subbasin (Subbasin);
- GSAs within the Subbasin; and
- The Tahoe South Subbasin Alternative (Alternative).



SGMA (effective Jan 1, 2015)

- Local agencies must form GSAs (by June 2017)
- GSAs must adopt Groundwater Sustainability Plan (GSP) or Alternative (by January 2022)
- GSAs must implement an approved GSP or Alternative within their respective groundwater basin.



Under SGMA, GSAs are required to develop and adopt a Groundwater Sustainability Plan (GSP) or Alternative to sustainably manage groundwater within a basin.

These plans are developed by GSAs so that the local community has a stake in determining what are local groundwater conditions and defining the basins desired state.

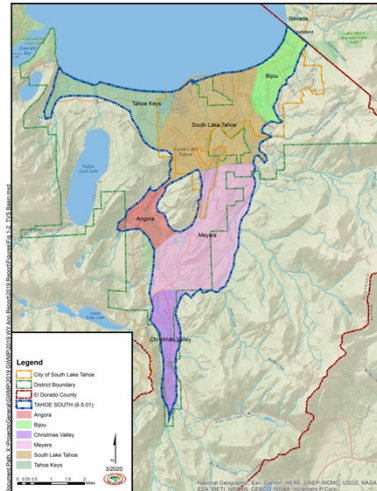
GSAs must also implement the adopted plan to maintain or improve groundwater conditions in order to attain the basins desired state within 20-years of implementation.

To insure GSAs are making progress towards this goal, DWR will regularly review these plans every 5-years.



Tahoe South Subbasin

- Medium-Priority Basin
 - Moderate population density
 - High reliance on groundwater
 - High well density
 - High susceptibility to contamination




During 2015 and 2018, DWR conducted Basin Prioritizations to identify those groundwater basins subject to new groundwater management requirements under SGMA.

Through this process, the Subbasin was ranked as a Medium-Priority Basin; and under SGMA, subject to new groundwater management requirements.

The Subbasin was found subject to these new groundwater management requirements as;

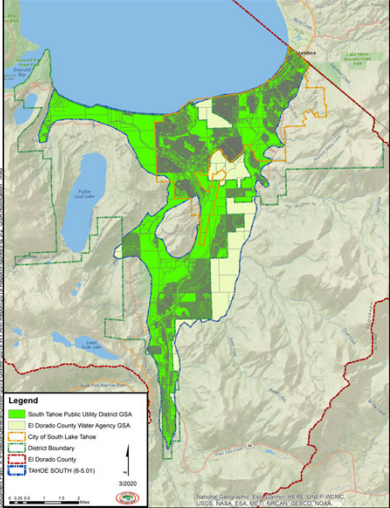
- The Subbasin has a moderate population density with a very high reliance on groundwater for drinking water (more than 90% of the drinking water used in the Subbasin is from groundwater);
- Along with this high reliance, there is a high density of both public and private drinking water wells within the Subbasin (recent surveys conducted by the District indicate that there may be more than 400 active drinking water wells currently within the Subbasin); and

- Groundwater within the Subbasin is very susceptible to contamination (as evidenced by the history of local groundwater contaminant plumes and the impairments of public and private drinking water wells).




GSAs

- South Tahoe Public Utility District GSA (November 2015)
- El Dorado Water Agency GSA (September 2017)
- MOU – sustainably manage groundwater resources in basin (2016; 2017; 2020)



**SECOND AMENDED AND RESTATED
MEMORANDUM OF UNDERSTANDING**

This Second Amended and Restated Memorandum of Understanding ("MOU") is entered into on this 4th day of June, 2020 ("Effective Date"), by and between the South Tahoe Public Utility District ("District") and the El Dorado County Water Agency ("EDCWA") (each a "Party" and collectively the "Parties"), at South Lake Tahoe, California, with reference to the following facts and intentions:



GSAs in the Subbasin include the South Tahoe Public Utility District (District) and the El Dorado Water Agency (Water Agency).

The District has been recognized as the exclusive GSA for the portion of the Subbasin lying within it's service area boundary (area shown in Green), since November 2015.

In September 2016, the District and the Water Agency entered into a Memorandum of Understanding (MOU) to cooperatively manage groundwater resources and coordinate implementation of SGMA (on the Water Agency's behalf) for the portions of the Subbasin within El Dorado County, outside of the District's service area (area shown in yellow).

This MOU was later modified as an Amended and Restated MOU in June 2017. At that time, the Water Agency submitted a GSA Notification of its intent to serve as the GSA for the County portion of the Subbasin lying outside the District's service area boundary; and the District withdrew it's earlier 2016 GSA Notification submitted for this area.

The Amended and Restated MOU was later modified as a Second Amended and Restated MOU in June 2020. The Second Amended and Restated MOU was modified to acknowledge the District's 2014 GMP as an approved Alternative for the Subbasin; and coordinate implementation of the Alternative across the full extent of the Subbasin.



Tahoe South Subbasin Alternative

- South Tahoe PUD adopts 2014 Groundwater Management Plan (Dec 2014)
- 2014 GMP submitted to Department of Water Resources (Dec 2016)
- DWR approves 2014 GMP as Tahoe South Subbasin Alternative (July 2019)

Kennedy/Jenks Consultants
10550 Grand Canyon Drive, Suite 200
Rancho Cordova, CA 95670
916-855-2700
916-855-2754 (Fax)

**Tahoe Valley South Basin
(6-S.01)
2014 Groundwater
Management Plan**
22 December 2014

**South Tahoe
Public Utility District**
1275 Meadow Crest Drive • South Lake Tahoe • CA 96150-7402
Phone 530-544-6474 • Fax 530-544-0804 • www.stpuid.net

December 22, 2016

Trevor Joseph
Soil Engineering Geologist
SGM Section Chief
902 F Street, Room 213
P.O. Box 942836
Sacramento, California 94236

RE: SUBMISSION OF 2014 GROUNDWATER MANAGEMENT PLAN AS ALTERNATIVE PLAN

CALIFORNIA DEPARTMENT OF WATER RESOURCES
SUSTAINABLE GROUNDWATER
MANAGEMENT OFFICE
902 F Street, Room 213-4 | Sacramento, CA 95834 | P.O. Box 942836 | Sacramento, CA 94236-0037

July 17, 2019

Mr. Ivo Bergsohn
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, California 96150

Dear Mr. Bergsohn,

The Department of Water Resources (Department) has evaluated the alternative submitted for the Tahoe South Subbasin. Based on recommendations from the Staff Report, included as an exhibit to the attached Statement of Findings, the Department has determined that the Tahoe South Subbasin Alternative satisfies the objectives of the Sustainable Groundwater Management Act (SGMA) and is approved. The Staff

The District has a long history of groundwater management within the Tahoe South Subbasin. In 2000, the District enacted its first groundwater ordinance and adopted an accompanying Groundwater Management Plan focused on protecting District drinking water wells from man-made groundwater contaminants.

In 2014, this groundwater management plan was updated in accordance with the Groundwater Management Act which then defined the regulatory requirements for Local Groundwater Management Plans.

In 2016, the District with support of the Water Agency, submitted the 2014 GMP along with other related plans, reports and documents to DWR for consideration as an Alternative for the Subbasin.

In July 2019, DWR approved the 2014 GMP as an Alternative for the Subbasin and required that the District complete the first 5-year update of this Alternative by January 1, 2022.



PERIODIC REVIEW

- Status Review
- New Information

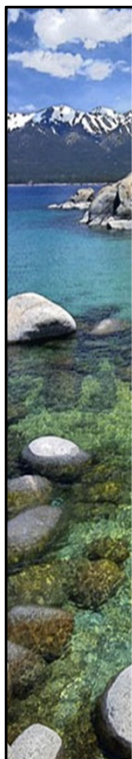


PERIODIC REVIEW

Under SGMA, GSA's with approved GSP's or Alternatives are required to periodically review and assess their plans every 5 years.

The first 5-year update is planned to include a:

- Status Review of the current Alternative; and
- Updating the current Alternative using new information developed since initial adoption of the 2014 GMP.



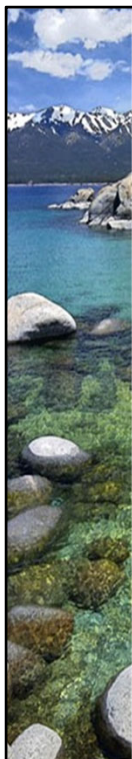
Status Review

- Review the current 2014 GMP;
- Adjust plan actions, as needed, to align with accomplishments and current conditions;
- Review new information for incorporation into the updated Alternative.



The Status Review is planned to include;

- Review of the current 2014 GMP;
 - In light of new regulatory requirements under SGMA; and
 - Actions completed since adoption of the 2014 GMP.
- New information developed since adoption of the 2014 GMP will also be reviewed for incorporation into the updated Alternative.



New Information

- Develop 50-Year water budgets considering climate change and population growth
- Show how groundwater pumping may impact groundwater contaminant migration
- Estimate the quantity and timing of depletions of interconnected surface waters
- Define quantitative management criteria with respect to groundwater elevations, groundwater storage volumes, and volumes or rate of surface water depletions.



DWR recommended that the following information be included in the updated Alternative:

- 50-year water budgets for the groundwater basin considering both climate change and population growth;
- Examples of how groundwater pumping may impact the movement of groundwater contaminants within the Subbasin;
- Estimates of the quantity and timing of potential depletions of surface waters from groundwater pumping; and
- Management criteria that can be used to prevent unreasonable declines in groundwater elevation; volume reductions in groundwater storage; and unreasonable volumes or rates of surface water depletions within the Subbasin.



PUBLIC PARTICIPATION

- Web Page
- Public Meetings & Workshops
- Public Review



PUBLIC PARTICIPATION

The District is committed to providing an on-going process for public participation and coordination with local agencies in support of sustainable groundwater management. As such, the District is actively seeking your input and invites you to get involved in the first 5-year update of the Alternative.

To keep you up-to-date during this process the District will;

- Provide regular updates to the District's Groundwater Management Plan Web Page;
- Offer on-line meetings and workshops to inform the public and solicit input; and
- Provide a public comment period for formal review and input on the draft Alternative.



Web Page

- <https://stpud.us/news/groundwater-management-plan/>
- Plan Notices
- Plan Documents
- Technical Reports
- Stakeholder Advisory Group (SAG)
 - Meeting Notes & Presentations



The District's web site is being used as an information clearinghouse for updating the Alternative.

Important Public Notices; Plan Documents; and Technical Reports related to the Alternative are posted on the District's Groundwater Management Plan Web Page.

Announcements of upcoming on-line meetings and workshops are being posted under Plan Notices.

Links to the current Alternative (the 2014 Groundwater Management Plan) and related documents including the MOUs between the District and El Dorado Water Agency are provided under Plan Documents.

Additional technical information in the form of related reports and documents are provided under Technical Reports; and

Finally meeting notes and presentations from past Stakeholder Advisory Group (SAG) Workshops are posted to provide further information on groundwater issues and concerns being addressed under the current Alternative.



Public Meetings & Workshops

- Board Meetings
- SAG Workshops
- Stakeholder Group Presentations



Public Meetings and Workshops will be used to inform and solicit comment from the public, interested parties and stakeholders during development of the updated Alternative.

Brief status reports will be provided during Regular Meetings of the District's Board of Directors;

Status review of the current Alternative and on-going work for the updated Alternative are being discussed during Stakeholder Advisory Group (SAG) Workshops. These on-line meetings are also open to the public.

Lastly, the District will meet with specific stakeholder groups, such as Private Well Owners and Environmental users of groundwater, outside SAG Workshops to help identify and discuss specific groundwater concerns unique to these stakeholder groups.



Public Review

- Notice of Availability (NOA)
- Public Comment
- Public Meeting
- Public Hearing



Near the end of the review period, a Notice of Availability (NOA) will be issued announcing the release of the public draft of the updated Alternative and the start of the public comment period.

The NOA will include a link to download a copy of the public draft Alternative, and will include details of an online meeting to be hosted by the District presenting the draft Alternative.

Comments received during the public comment period will be compiled and reviewed by District staff. Significant comments will be highlighted and brought to the attention of the District's Board of Director's.

During the Public Hearing the Board will consider these comments and determine in what form the District shall adopt the updated Alternative.



TAHOE SOUTH SUBBASIN ALTERNATIVE

- Schedule
- Additional Information

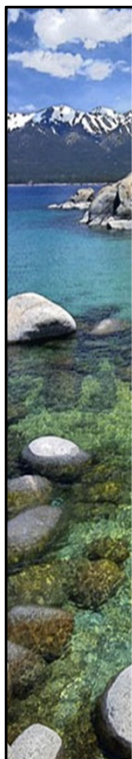


TAHOE SOUTH SUBBASIN ALTERNATIVE

The first five year update of the Tahoe South Subbasin Alternative is due to DWR by January 1, 2022.

The following section presents a general list of meetings and workshops to be scheduled over the coming year for the updated Alternative;

Sources of additional information are provided at the end of this presentation.



Schedule

- Board Meetings: 1st and 3rd Thursdays of every month
- SAG Workshops: 1st and 3rd quarters of every year
- Public Draft /Notice of Availability – October 2021
- Public Meeting – November 2021
- Public Hearing – December 2021



Status reports on the progress of the updated Alternative will be provided to the District's Board of Directors on a Quarterly Basis or as needed to inform the Board on issues raised during the update process.

These updates are planned to be provided during Regular Board Meetings. The District's Board regularly meets on the 1st and 3rd Thursdays of every month.

The District hosts workshops with the SAG at least two times per year. These meetings are also open to the public and will be used to discuss the Status Review and the findings of current work being conducted for the updated Alternative.

SAG Workshops are planned to be scheduled during the 1st and 3rd Quarters of 2021.

The District is planning to complete a Public Draft of the updated Alternative by October 2021.

The Public Meeting presenting the public Draft will be scheduled near the middle of the public comment period in November 2021;

A Public Hearing to consider public comments and adopt the updated Alternative will be scheduled in early December 2021.



Information

- Plan Manager
 - Ivo Bergsohn, Hydrogeologist
 - (530) 543-6204
- Interested Parties Email List
 - ibergsohn@stpud.dst.ca.us
- GMP Web Page
 - <https://stpud.us/news/groundwater-management-plan/>



For further Information about this process, your invited to:

Contact the Plan Manager;

- Should you have questions about the current 2014 GMP and/or development of the Tahoe South Subbasin Alternative; and
- Add your email to the Interested Parties List.

The Interested Parties List is being used to send notifications of public meetings, workshops and information updates related to development of the updated Alternative to your email.

Lastly, please visit the GMP Web Page to download Public Notices, Plan Documents and Technical Information being posted for the updated Alternative.

Tahoe Valley South Subbasin (6-005.01) Groundwater Management Plan

MEETING NOTES

Thursday, December 17th, 2020; 9:00 am - 11:00 am

Location: On-Line Meeting

[https://global.gotomeeting.com/join/971623325;](https://global.gotomeeting.com/join/971623325)

Potential Projects

Handouts: None

- Initial Brainstorming Session for any potential groundwater management projects that should be included in the TSS Alternative.
- Potential Projects:
 - Illicit Stormwater Discharges : Develop education materials highlighting the drinking water impacts of Illicit Discharges (IDs) to groundwater (South Y Area Example) ;
 - This would be a great opportunity to work with Storm Water Managers.
 - South Y Sentinel Wells: Identify wells constructed as part of the Regional Plume Characterization for incorporation into the Groundwater Elevation Monitoring Program;
 - Lahontan is planning on installing sentinel wells as part of the SCAP program work. Ivo has brought this item up with Abby about incorporation of at least one of the wells into the monitoring network
 - There may also be opportunities to incorporate existing Monitoring Wells in the South East portion of the Basin near the Super Fund Site by the County Landfill.
 - Grant Funding: Prepare Prop 1 Implementation Grant Application;
 - Ivo is working to organize a meeting of the affected water purveyors to gauge interest in pursuing grant funding for an implementation project to address PCE groundwater contamination in the South Y area.
 - The Nature Conservancy – Nevada and DRI are starting a project to quantify environmental water requirements for GDEs beingfunded by the Bureau of Reclamation through a Water Smart Program Grant. This study may help provide values that could be incorporated into the South Tahoe Basin Groundwater Model in order to recognize environmental water demands in the groundwater budget. The District has provided a letter of support and is planning to stay engaged with this effort.
- Round Robin to field Questions/Comments/Suggested Changes
 - Ivo asked the group to feel free to send any ideas, specifically to table 10.1, to add to the Potential Project List. We will keep this running for the next few months and see what projects we can implement for incorporation into the alternative.
 - Ivo would like to have at least 4 workshops this year due to the amount of work, with the updates to the GWMP and Alternative, to keep everyone up to date. The next meeting will be scheduled toward the end of the first quarter of 2021.