



**TWSA BOARD MEETING
PACKET
For 12/13/2018**

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NOTICE OF MEETING:

The next regular meeting of the Tahoe Water Suppliers Association (TWSA) is:

**Thursday, December 13, 2018 / 12 noon to 4 pm
Edgewood ClubHouse (not Lodge)
100 Lake Parkway, Stateline, NV 89449**

Conference call will be available:
 Call **1-877-594-8353** / when prompted, Enter Conference Dial-in **17757186**

Agenda

Lunch will be provided at noon

- A. Presentations** – TROA/Water Rights Presentation; Thomas Scott (CA DWR) and Chris Thorson, (NV DWR)
- B. Roll Call**
- C. Public Comment** Conducted in accordance with Nevada Revised Statute Chapter 214.020 and limited to a maximum of 3 minutes in duration.
- D. Introduction of Guests**
- E. Approval of Agenda**
- F. Approval of Minutes** for the Sept. 13, 2018 TWSA Board meeting.
- G. Reports**
 - a. Staff Reports
 - b. 2018 Annual Report
 - c. TWSA Chair Report
- H. General Business (for possible action/vote)**
 Items for Discussion and Possible Action:
 - a. Proposed 2019 TWSA Board meeting dates
 - b. Discussion on water fill station rebate/sponsor program (S. Thomsen)
 - c. Discussion on 2019-2020 budget process
- I. Purveyor Updates**
- J. Public Comment**
- K. Adjournment**

IMPORTANT DATES:

2019 PROPOSED TWSA Board Meetings - Thursdays, quarterly, held from 12 to 4 pm.

- March 14 (IVGID)
- June 13 (SLT TBD)
- September 12 (IVGID)
- December 12 (SLT Edgewood)

TWSA Board of Directors

Suzi Gibbons (Chair)

John Fassmann

Tim DeTurk, Nick Charles (alternate)

Gerry De Young, Patrick McKay (alt.)

Cameron McKay

Joseph Pomroy, Bob Lochridge (alt.)

Cameron McKay, Brandon Garden (alt.)

Bob Loding

Tony Laliotis, Kim Boyd (alt.)

Shelly Thomsen, Vice Chair

North Tahoe Public Utility District

Round Hill General Improvement District

Douglas County Systems

Edgewood Water Company

Glenbrook Water Cooperative

Incline Village General Improvement District

Kingsbury General Improvement District

Lakeside Park Association

Tahoe City Public Utility District

South Tahoe Public Utility District

For more information, please contact: Madonna Dunbar, TWSA Executive Director
1220 Sweetwater Road, Incline Village, Nevada 89451
(775) 832-1212 office / (775) 354-5086 cell /email: mod@ivgid.org

Certification of posting of agenda

I hereby certify that on or before Fri. Dec. 7, 2018 at 9:00 am, a copy of this agenda was delivered to the post office addressed to the people who have requested to receive copies of IVGID’s agendas; copies were either faxed or e-mailed to those people who have requested; and a copy was posted at the following locations within Incline Village/Crystal Bay in accordance with NRS 241.020:

1. IVGID Anne Vorderbruggen Building (Administrative Offices)
2. Incline Village Post Office
3. Crystal Bay Post Office
4. Raley’s Shopping Center
5. Incline Village Branch of Washoe County Library

By, Madonna Dunbar, Executive Director, TWSA, (775) 832-1212 office; email: mod@ivgid.org

Notes:

Items on the agenda may be taken out of order; combined with other items; removed from the agenda; moved to the agenda of another meeting; moved to or from the Consent Calendar section; or may be voted on in a block.

Items with a specific time designation will not be heard prior to the stated time, but may be heard later.

Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to call IVGID at 832-1212 at least 24 hours prior to the meeting.

Copies of the packets containing background information on agenda items are available for public inspection at the Incline Village Library. TWSA agenda packets are available at the TWSA website www.TahoeH2O.org or the TWSA office at 1220 Sweetwater Road, Incline Village, Nevada 89451.



RESULTS AGENDA

The regular meeting of the Tahoe Water Suppliers Association (TWSA)

Thursday, September 13, 2018 / 12 noon to 4 pm, IVGID Public Works, 1220 Sweetwater, Incline Village, NV.

- A. **Presentations** – none scheduled
- B. **Roll Call- Members in Attendance:** Suzi Gibbons (NTPUD), Tim DeTurk (Douglas County, IVGID), Bob Loding (LPA), Shelly Thomsen (STPUD), Brandon Garden (Glenbrook/ KGID), Andrew Hickman (RHGID), Patrick McKay (Edgewood), Kim Boyd (TCPUD)
- C. **Public Comment** Conducted in accordance with Nevada Revised Statute Chapter 214.020 and limited to a maximum of 3 minutes in duration.
No public comment given
- D. **Introduction of Guests**
Russell Norman from the Lahontan RWQCB
- E. **Approval of Agenda**
Approved unanimously as submitted
- F. **Approval of Minutes** for the March 8, 2018 TWSA Board meeting.
Approved unanimously as submitted
- G. **Reports**
 - a. Staff Reports
Verbal update provided
 - b. TWSA Chair Report
Verbal update provided
- H. **General Business (for possible action/vote)**
Items for Discussion and Possible Action (one or more items may be considered):
 - a. Nomination and selection of 2018-19 Chair/Vice Chair.
Suzi Gibbons (NTPUD) nominated and approved unanimously as TWSA 2018-2019 Chair.
Shelly Thomsen (STPUD) nominated and approved unanimously as TWSA 2018-2019 Vice Chair.
 - b. Update: TRPA Shoreline Plan Process
Verbal update provided
 - c. Update: TKPOA Aquatic Herbicide Application Process
Verbal update provided by TWSA and Lahontan RWQCB Staff
 - d. Discussion/action on fund allocation for purchase of “Deterra® Drug Deactivation System pouches for tabling events.
Motion made to deny funding approved unanimously
 - e. Discussion/action on fund allocation for purchase 4 cyanoscope kits for Hazardous Algae Bloom (HAB) citizen monitoring team.
Staff directed to comeback to board in December with more information, collaborating opportunities with public agencies, and matching contributions.
- I. **Purveyor Updates**
Verbal updates provided
- J. **Public Comment**
No public comment given
- K. **Adjournment**
The meeting was adjourned at 3:34 pm



MEETING MINUTES

Minutes for the TWSA General Board Meeting held on
Thursday, September 13, 2018 at IVGID Public Works, 1220 Sweetwater, Incline Village, NV 89451.

Minutes

- A. Presentations** – No presentations given.
- B. Roll Call** - Members in Attendance: Suzi Gibbons (NTPUD), Tim DeTurk (Douglas County, IVGID), Bob Loding (LPA), Shelly Thomsen (STPUD), Brandon Garden (Glenbrook/ KGID), Andrew Hickman (RHGID), Patrick McKay (Edgewood), Kim Boyd (TCPUD)
TWSA Staff in Attendance: Madonna Dunbar, Sarah Vidra
- C. Public Comment** Conducted in accordance with Nevada Revised Statute Chapter 214.020 and limited to a maximum of 3 minutes in duration. No public comment given.
- D. Introduction of Guests**
Russell Norman from the Lahontan RWQCB.
- E. Approval of Agenda**
Motion to approve agenda as submitted made by Tim DeTurk, second by Brandon Garden, all in favor; motion carried.
- F. Approval of Minutes**
Motion to approve the June, 8 2018 TWSA Board Meeting minutes as submitted, made by Bob Loding, second by Tim DeTurk, all in favor; motion carried.
- G. Reports**
- a. Staff Reports
 - Outreach**
 - TWSA provided 1,000 Drink Tahoe Tap Stickers to Tahoe Luxury Properties. They committed to removing packaged bottled water from their portfolio of vacation rental properties. Tahoe Luxury Properties purchased 1,000 refillable metal bottles for their clients.
 - Drink Tahoe Tap Banner Ads are running at www.tahoe.com throughout summer 2018.
 - Tahoe In Depth published an article on the Bottom Barrier Challenge.
 - Water Station use statistics available in the board packet.
 - Water pouch distribution statistics available in the board packet.
 - Staff tabled at the Tales and Trails festival at Sugar Pine Point State Park.
 - Staff co-hosted the 'Bottom Barrier Placement Media Day' with the TRCD and Tahoe Fund.
 - Staff tabled at the 2018 Tahoe Summit held at Sand Harbor State Park.
 - *Tahoe In-Depth* advertisements will run throughout the summer season.
 - Activities**
 - Four new water stations were built and 3 distributed for use to LPA, NTPUD, and TCPUD.
 - Conferences attended by staff included River Network's "Where Does my Drinking Water Come From?" online workshop.
 - Staff attended the TRPA Board Meeting on 8/22 for the TKPOA AIS program update.
 - Stakeholder Group monitoring continues with the Near Shore Aquatic Weed Working Group, TRPA Shorezone Review, TRPA Shoreline Plan, Lake Tahoe Sustainable Recreation Workshop.
 - Staff is working with the Tahoe RCD to install eight new dog waste bag station at Johnson Meadows in South Lake Tahoe.



- The 2017-2018 Annual Report process is underway with the data management section completed. Work continues on the narrative. Staff would like to thank members for their prompt return of requested information and data.

Financial Report

- FY 17-18 closed out with \$125K in Reserves
- Members have paid annual dues to the organization for FY 18-19.
- Full report provided in the board packet.

b. TWSA Chair Report

The Chair was interviewed by Lake Tahoe TV; the interview focused on “Drink Tahoe Tap” and TWSA goals.

H. General Business (for possible action/vote)

Items for Discussion and Possible Action (one or more items may be considered):

IVGID has given there proxy vote to the Douglas County representative for voting during today’s meeting.

a. Nomination and selection of 2018-19 Chair/Vice Chair.

Suzi Gibbons is willing to stay on as Board Chair for FY 18-19.

Cameron McKay is concerned that he does not have availability to fill the role of Vice Chair to the level needed by the TWSA Board. Vice Chair duties, include running TWSA Board meeting in Chair absence, correspondence review, participation in the AIS subcommittee, representing the TWSA if staff and chair are not available. It would be beneficial to the TWSA Board if the Vice Chair was located in South Lake Tahoe due to the location of stakeholder group meetings in that area.

Motion to nominate Suzi Gibbons (NTPUD) to continue to serve as the TWSA Board Chair for 2018-2019 made by Tim DeTurk, Second by Shelly Thomsen, motion passes unanimously.

Motion to nominate Shelly Thomsen (STPUD) to serve as the TWSA Board Vice Chair for 2018-2019 made by Tim DeTurk, Second by Patrick McKay, motion passes unanimously.

b. Update: TRPA Shoreline Plan Process

The TWSA Chair and ED submitted written comment to the TRPA on the proposed update to the Shoreline Plan. Comments included the results of the June 8 TWSA Board discussion on this topic. The full letter is available in the board packet.

Letter highlights include:

- Notification of any shoreline structure within 0.25 mile from an intake.
- Fueling at authorized refueling locations only.
- Support of the requirement for marinas to have full AIS Management Plans before BMP projects or dredging projects are permitted. Including AIS surveys and mitigation plans.

TWSA Staff will follow up with the TRPA for an update, and the date of the TRPA governing board meeting for possible adoption.

Members were reminded to send updated GIS information on the location of Lake Intakes and pumps to the TRPA; staff will provide contact information.



c. Update: TKPOA Aquatic Herbicide Application Process

Information provided in TWSA board Packet on Staff Activities:

- The Executive Director was invited to be on the selection panel for the facilitation/mediation contractor for the Tahoe Keys Integrated Weeds Management Plan Workgroup. This effort is being led by TRPA to enable revived discussion over weed control methods options, related to the Tahoe Keys Request for Exemption Application (for the use of herbicides) submitted to the Lahontan Regional Water Quality Control Board.
- The Executive Director worked on the interview/selection panel for the facilitation/mediation contractor for the Tahoe Keys Integrated Weeds Management Plan Workgroup. "Zephyr Collaborative" was selected as the mediation team. The Executive Director then participated in their initial stakeholder interviews and recommended the consultant reach out to individual boards so they can voice their independent opinions.
- The Tahoe Keys Property Owner Association's (TKPOA) "Application for Exemption to Apply Aquatic Herbicides Test Project" 2017 submittal was withdrawn and replaced in late July with a new exemption application to Lahontan RWQCB and TRPA. Staff received the new document at the end of August and began a review of the document. Staff will be developing a project summary for the TWSA Board.

TKPOA AIS timeline:

- In July of 2018 the TKPOA rescinded their 2017 application for their pilot herbicide project. The initial project determination made by the TRPA and the LRWQCB was a full Environmental Impact Report/Statement (EIR/EIS) would be required by the TKPOA to use herbicides.
- The TKPOA has resubmitted to the TRPA and LRWQCB a full Tahoe Keys Lagoons Restoration Project, dated July 25, 2018. This project includes:
 - Individual NPDES permit
 - Non-Emergency, Non-Time Sensitive Basin Plan Prohibition Exemption for the use of Aquatic Pesticides
 - Aquatic Pesticide Application Plan for Phase I (Years 1 and 2)
 - TRPA Environmental Improvement Project Application
- The LRWQCB has responded that the application is not complete without a CEQA analysis and resulting revisions from findings.

-Dated August 27, 2018
- The TRPA has responded that the application is not complete without an Environmental Impact Statement and resulting revisions from findings.

-Dated August 24, 2018
- TWSA Staff was provided the Tahoe Keys Lagoons Restoration Project documents and regulatory response letters on August 31, 2018 and will provide the TWSA board with a staff summary in the days to follow this meeting.

Summary of Lahontan comments to TWSA Board (by R. Norman):

- TKPOA submitted an updated project and application to provide more information, as a full restoration project, not a pilot project.
- The first two years are similar to the pilot project then additional full implementation
 - Phase I: Year 1 18-acres of herbicide treatment, Year 2 non-chemical treatment



- Phase II: Year 3 72-acres of herbicide, Year 4 64-acres of herbicide
 - Phase III: year 5-12 ≤ 35 acres of herbicide per year.
 - Antidegradation analysis TKPOA submitted their project as a Tier II water body, but they have been told that they are Tier III. They need to meet antidegradation requirements of Tier III, which is no long-term degradation.
 - LRWQCB does not believe that the sum of the proposed project will pass antidegradation standards, though the individual phases may only have short-term degradation.
 - LRWQCB has sent the TKPOA project plan to EPA and State Water Board legal counsel for antidegradation determination and will have their response within one to two months. If it is determined unacceptable then TKPOA will need to go back to the drawing board.
 - LRWQCB will be pushing for a full analysis of non-chemical methods during the EIR including but not limited to Laminar Flow Aeration, UV Light, and Hot Water with Acetic Acid.
 - Lahontan will be the CEQA Lead.
 - TRPA will be managing the EIR/EIS consultant; the estimated cost of the EIR/EIS is \$1M that has been provided to the TKPOA from the Army Corps.
 - TKPOA will be adding Penoxsulam back into the herbicide active ingredient list.
- TWSA Board Discussion highlights:
- This project seems like a giant step backward after all the work the stakeholder group has done with the TKPOA with the previous 2017 application.
 - There is no mention of the private homeowner unprotected raw water intakes that are part of the Lakefront Property Association; the TWSA is not responsible for communication for the TKPOA.
 - This is not a short-term project.
 - Will the EIR only be for herbicide treatment; no, the EIR will be for a full Integrated Management Plan and include Laminar Flow Aeration, UV light, Bottom Barriers, and other non-chemical methods currently not proposed in the plan.
 - TWSA should send a letter to the TKPOA in support of the Lahontan August 27, 2018 letter.
 - What happened to the inflatable bladder dam?
 - LRWQCB had issues with the inflatable bladder dam, and it was removed from the plan at their request from the initial study.
 - All hydrologic data for the Tahoe Keys does not represent them as a closed off system.
 - No data/information currently available such as dye studies and water models would be applicable with the dam in place.
 - The timing of the project would be when the keys are filling.
 - The 2017 pilot application did not have double turbidity curtains, but the rhodamine Dye Study did, which showed “very minimal leakage.”
 - The placement of double turbidity curtains, allows for the creation of individual application site treatment areas, with adjacent receiving waters still within the Tahoe Keys Lagoons.
 - Each application site treatment area will be allowed to violate water quality objectives within the treatment area, but if there are detected amounts of active ingredients or degradant compounds in the adjacent surface waters ,the



TKPOA will violate water quality objectives. If this happens in Phase I then the antidegradation requirements will not be met, and the project will have to go back to the drawing board.

- The inflatable dam will be in place, but not inflated, in case of catastrophic failure.
 - What are the residence times of the proposed active ingredients and degradants?
 - Active ingredients of the proposed four chemicals degrade quickly, but the degradants can be very persistent especially triclopyr and endothall.
 - Monitoring will be done for active ingredients and degradants in both water and sediment.
 - Calculations provided to the LRWQCB for the previously proposed pilot and Phase I of the proposed project have shown concentrations of active ingredients below EPA Method Detection with circulation throughout the Tahoe Keys Lagoons, but these calculations will need to be redone for the size proposed in Phase II of the full-scale project.
 - It seems like we're back to the old 70's belief that dilution is the pollution solution.
- d. Discussion/action on fund allocation for purchase of "Deterra® Drug Deactivation System pouches for tabling events.

Staff has presented the board with a possible outreach material for the upcoming Earth Day events, that would provide a means of disposing of medications so they do not end up in the watershed. The active ingredient in the disposal pouches is activated carbon, which can then be disposed of in the trash.

Board discussion highlights are below:

- This outreach item is not applicable to the TWSA; it would be better suited for a sewer focused organization
- The cost of this product for an outreach item, which will likely never be used, is too high.
- This should be a health department project.
- Pharmacies should take back old medications.
- The focus of our organization is source water protection of Lake Tahoe; all effluent leaves the basin
- These could create hazardous waste that could pollute landfills and negatively affect groundwater.
- Information could be posted on our website to inform the public that they should not flush medications.

Motion to deny funding made by Patrick McKay, second by Tim Deturk, motion passes unanimously.

- e. Discussion/action on fund allocation for purchase four cyanoscope kits for Hazardous Algae Bloom (HAB) citizen monitoring team.

Staff presented the Board with an opportunity to support a citizen scientist project in collaboration with Lahontan to monitor algae in Lake Tahoe. Currently, Lahontan only has one instrument for the identification of algae. South Lake Tahoe citizens are concerned about the



HAB outbreak in the Tahoe Keys and have offered to work as citizen scientists to identify algae in a program similar to the League to Save Lake Tahoe's "Eyes on the Lake" program; Lahontan has offered to train these volunteers for free on the process of using the equipment. Lahontan and TWSA staff discussed a possible partnership to purchase additional identification instruments.

TWSA Board discussion on purchasing four cyanoscope kits included but is not limited to the following:

- This would be gifting of public funds to a private party
- Who would be in possession of the equipment and the check-in, check-out process?
- The TWSA cannot buy equipment for Lahontan to investigate the Tahoe Keys.
- What is the solution if harmful algae are found.
- Is there a public agency who we can partner with similar to the bottom barrier project.
- Is there an opportunity to get matching contributions for the purchase of the equipment.

Staff directed to come back to Board in December with more information, collaborating opportunities with public agencies, and matching contributions.

I. Purveyor Updates

NTPUD- North Tahoe PUD has a new general manager, Brad Johnson. Work on the Steelhead water main replacement project will not be completed until spring of 2019. The District is still in communication with Southwest Gas about co-locating the Watson Creek to Carnelian water main project with their upcoming construction project, currently on hold until agreements can be made with landowners.

Edgewood- The second VFD replacement for the booster pump has been completed with Arctic Electric, and Sierra Controls did the programming.

RHGID – New TWSA member RHGID District Manager Andrew Hickman has been with RHGID since 2009. They have a new water operator. Castle Rock water main replacement is still in process, scheduled to end before October 15. Valve replacement project will take place at PineWild community. RHGID also cleaned their raw water Lake intake line.

KGID- The Highway 50 waterline replacement project is completed, as well as the Kahle Drive to Nugget PRV vault, steel to ductal. KGID is working on two line extensions, one complete, one delayed due to an abandoned landfill. The District continues with PRV and vault maintenance programs.

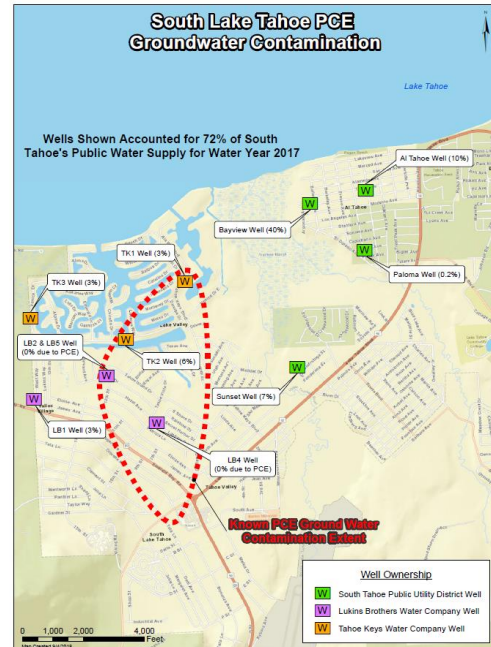
TCPUD- Bunker water tank replacement, 1.2 million gallon tank will be online this fall. The TCPUD board approved the West Lake Tahoe Regional Water Treatment Plant for \$13M. The new plant will support the three newly acquired water systems. TCPUD will be working on interconnection projects with:

- Tahoe Cedars connection 4,000 feet of water main 1,000 feet of distribution line
- Madden Creek 1,000 feet of main, 2,000 feet of distribution line.
- Timberland will be in design in 2019.



STPUD- STPUD has gone to Lahontan for approval of PCE containment for their immediate need and immediate actions; emergency response plan, sentinel water monitoring wells. They believe that 75% of all groundwater wells in South Lake Tahoe is within 4000 feet of the contamination. The plume has spread to the Tahoe Keys, so PCE is in the lake, but there is no monitoring currently, and the amounts are below detection levels. Lahontan has identified a responsible party, and is seeking to identify others. STPUD is pushing for funding and will be looking for TWSA to write a letter of support, it is not the financial responsibility of SLT, and we are concerned that contamination may be entering Lake Tahoe.

Lobbying efforts continue though STPUD for Fire Partnership funding for water projects. This is the first year in 10 years that no funding was given to water projects. It is possible that LTRA EIP funding will happen for water projects.



LPA- Phase 5 of waterline replacement started this week to replace 700 feet. The three-year sanitary survey is completed. LPA continues to work on water rights though TROA and the state are looking to prove beneficial use. LPA currently is using 25% of their water rights and is working on an extension due to the forecast for full build-out and new construction. LPA will be installing a VFD system to replace the current pressure switches that are no longer serviceable.

Douglas County- Douglas County is currently experiencing a problem with leaks caused by the fire department causing \$20K to \$30K in replacement. Cave Rock had a resident report an algae bloom, and the TRPA has opened a case file. All lake intakes have been cleaned, and reservoir tanks. Maintenance and replacement projects continue throughout the county.

Glenbrook- No update was given.

IVGID- No update, not present.

J. Public Comment

Conducted in accordance with Nevada Revised Statute Chapter 214.020 and limited to a maximum of 3 minutes in duration. No public comment given.

K. Adjournment

Motion to adjourn made by Brandon Garden, second Bob Loding, motion passes unanimously. The meeting adjourned at 3:57 pm.

MEMORANDUM

TO: TWSA Board
FROM: Madonna Dunbar, IVGID Resource Conservationist
SUBJECT: TWSA Program Highlights – Q4 2018
DATE: Dec. 5, 2018

TWSA / Water Conservation / Water Quality - Activity Highlights:**September 2018**

Staff coordinated the East Shore Beach Cleanup on Sept. 15. Forty people volunteered for the 3 hour event to help cleanup litter at local beaches and along creeks. Volunteers covered a 2-mile distance collecting over 100 pounds of litter.

Staff facilitated the TWSA quarterly Board Meeting on Sept. 13, 2018.

TWSA water stations were provided for the:

- Lost Sierra HoeDown Sept. 20-24 1000 attendees
- Pitchfork Ranch (Walker River) Park Ribbon Cutting Sept. 22 200 attendees
- Sample the Sierra Sept. 15 3000 attendees

**Drink Tahoe Tap ® refillable water bottles/pouches were distributed at starred events.*

Staff represented TWSA on the Nevada Water Resources Association (NWRA) Fall Session ARkStorm@Tahoe Panel to discuss the relevance of the ARkStorm@Tahoe scenario in informing weather predictions and emergency planning during the winter of 2017.

Staff met with USGS, NV State Lands personnel to discuss the increasing salinity observations in Incline Creek, and monitoring improvements for the sub-watershed.

Staff is attending the Tahoe Keys Integrated Weeds Management Plan Workgroup meetings. This effort is being led by TRPA in order to revive discussion over weed control methods options, related to the Tahoe Keys Request for Exemption Application (for the use of herbicides) submitted to the Lahontan Regional Water Quality Control Board.

Staff worked with Tahoe RCD on the installation of 8 dog waste bag stations in the newly acquired Johnson Meadows lands in South Lake Tahoe.

DRINK TAHOE TAP banner ads are running at www.Tahoe.com .

Staff has been working on a revised water conservation program for IVGID. A USEPA WaterSense appliance rebate program in development for 2019-2021.

Sarah Vidra began FMLA maternity leave.

October 2018

TWSA water stations were provided for the:

- IVNS Pumpkin Patch Water Station Oct. 13 250 attendees
- Boys and Girls Club 5 K Run Oct. 13 500 attendees*
- Hangtown Music Festival Oct. 25-28 8000 attendees
- CALMS Conference Oct. 12-13 80 attendees*

**Drink Tahoe Tap ® refillable water bottles/pouches were distributed at starred events.*

Tahoe Luxury Property Rentals purchased 2000 DRINK TAHOE TAP® stickers to use on their purchased metal water bottles for clients. This is the second round, 1000 stickered bottles were distributed summer 2018.

Staff has been heavily engaged in the production of the TWSA 2018 Watershed Control Program Annual Report since August 2018.

Staff monitored the TRPA Shorezone Coordination Meeting.

Staff attended 3 different Tahoe Keys Integrated Weeds Management Plan Workgroup meetings this month. This effort is being led by TRPA with professional facilitation services by Zephyr Collaboration. The stakeholder assessment was conducted and report issued, coalescing the issues surrounding this project. (Tahoe Keys Request for Exemption Application for the use of herbicides submitted to the Lahontan Regional Water Quality Control Board.)

Staff worked with Tahoe RCD on the installation of 8 dog waste bag stations in the newly acquired Johnson Meadows lands in South Lake Tahoe.

DRINK TAHOE TAP banner ads are running at www.Tahoe.com .

November 2018

Staff facilitated dialogue between Nevada State Lands, Lakeridge HOA and Douglas County Utilities regarding placement of a proposed buoy field expansion. A mitigation letter (similar to the one used at Glenbrook) was offered, it is a notice of awareness for proper boating practices by the buoy users. The letter will require that users would sign off on extra requirements to inform authorities of any spills or mechanical damages near the intake line. Final decision on the use of this mitigation is pending.

TWSA water stations were provided for 0 events this month.

Staff finalized the production of the TWSA 2018 Watershed Control Program Annual Report. Reports were mailed to regulators on Nov. 30, 2018.

Staff attended the quarterly Nearshore Aquatic Weed Working Group (NAAWG) Meeting.

Staff attended 2 different Tahoe Keys Integrated Weeds Management Plan Workgroup meetings this month. Group membership, operational charter and schedule were finalized. The group will hold monthly 8 hour meetings.

DRINK TAHOE TAP banner ads are running at www.Tahoe.com .

**INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
STATEMENT OF OPERATING SOURCES AND USES**

TAHOE WATER SUPPLIERS ASSOCIATION

CURRENT YEAR TO BUDGET COMPARISON

For Fiscal Year 2019, 07/01/2018 - 11/30/2018

GL Account Number	GL Account Description	Current YTD Budget	Current YTD Actual	Total Budget	Remaining Budget
	OPERATING SOURCES				
200-28-990-4417	Service & User Fees	145,000	145,775	145,000	775
	Sales and Fees	145,000	145,775	145,000	775
	Fines and Penalties	0	0	0	0
	TOTAL OPERATING SOURCES	145,000	145,775	145,000	775
	OPERATING USES				
200-28-990-5010	Regular Earnings	16,956	16,359	40,451	24,091
200-28-990-5020	Other Earnings	542	187	542	354
	Salaries and Wages	17,498	16,547	40,992	24,446
200-28-990-5050	Taxes	1,297	1,261	3,095	1,834
200-28-990-5100	Retirement Fringe Ben	2,594	2,497	6,189	3,692
200-28-990-5200	Medical Fringe Ben	3,135	2,778	7,480	4,702
200-28-990-5250	Dental Fringe Ben	234	242	559	316
200-28-990-5300	Vision Fringe Ben	27	29	64	35
200-28-990-5400	Life Ins Fringe Ben	18	15	44	29
200-28-990-5500	Disability Fringe Ben	80	85	191	106
200-28-990-5600	Unemployment Fringe Ben	254	232	606	375
200-28-990-5700	Work Comp Fringe Ben	424	392	1,012	620
	Employee Fringe	8,065	7,531	19,240	11,709
	Total Personnel Cost	25,562	24,077	60,232	36,155
	Professional Services	0	0	0	0
200-28-990-7010	Advertising - Paid	5,000	1,135	12,000	10,865
200-28-990-7405	Office Supplies	583	0	1,400	1,400
200-28-990-7415	Operating	7,833	13,567	18,800	5,233
200-28-990-7460	Postage	100	0	200	200
200-28-990-7470	Printing & Publishing	3,958	4,424	9,500	5,076
200-28-990-7680	Training & Education	4,000	200	20,000	19,800
200-28-990-7685	Travel & Conferences	1,250	507	2,500	1,993

GL Account Number	GL Account Description	Current YTD Budget	Current YTD Actual	Total Budget	Remaining Budget
	Services and Supplies	22,725	19,833	64,400	44,567
	Insurance	0	0	0	0
200-28-990-7840	Telephone	135	48	540	492
	Utilities	135	48	540	492
	Cost of Goods Sold	0	0	0	0
200-28-990-7980	Central Services Allocation Cs	2,750	2,750	6,600	3,850
	Central Services Cost	2,750	2,750	6,600	3,850
	Defensible Space	0	0	0	0
	TOTAL OPERATING USES	51,172	46,709	131,772	85,064
	OPERATING SOURCES(USES)	93,828	99,066	13,228	85,839

Reserve fund balance = \$125, 116

NDEP comment on Application to Permit LakeRidge Buoy Field APN # 1418-34-210-017

From: Reginald Lang <rlang@ndep.nv.gov>

Sent: Thursday, November 08, 2018 12:08 PM

To: Lucy Wong <lwong@lands.nv.gov>

Cc: Andrea L. Seifert <ASeifert@ndep.nv.gov>; Jim R. Balderson <JBALDERSON@ndep.nv.gov>; Timothy DeTurk (tdeturb@co.douglas.nv.us) <tdeturb@co.douglas.nv.us>; Dunbar, Madonna <madonna_dunbar@ivgid.org>; Suzi Gibbons <SGibbons@ntpud.org>

Subject: Application to Permit Buoy Field APN # 1418-34-210-017

Hello Lucy,

From the review of this project, there is an intake line that provides water to the CAVE ROCK SKYLAND (CRS) NV0000259 public water system within the project.

The CRS public water system uses a membrane microfiltration plant to filter raw water drawn out of Lake Tahoe in order to remove microbial contaminants.

After filtration, additional microbial inactivation is provided using contact time with free chlorine.

The filtration system is not designed to remove chemical contaminants.

In May, 2014 CRS was granted a special exception to NAC 445A.6698 (3) which requires that intakes for obtaining water from a lake or reservoir other than Lake Mead must extend into the water at least 1,000 feet from the shore.

The current intake screen location is approximately 500-feet offshore.

The proposed addition of 17 buoys is within the ¼ mile protection zone for the water system's lake intake.

Buoy users should be provided educational materials to help prevent microbial and chemical contamination and to alert them to prevent physical damage to the intake line.

The contact information for CRS is:

Mr. Timothy M. DeTurk

Superintendent

Douglas County - Utility System

P.O. Box 218

Minden, NV 89423

775-782-9989 (office)

775-790-7584 (cell)

State Lands Application Number 6355

APN 1418-34-210-017

NDEP BSDW review number DO-0006045-18

Sincerely,

Reggie



Reginald C. Lang III, P.E.
Bureau of Safe Drinking Water
Nevada Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, NV 89701
p: 775.687.9528 f: 775.687.5699
rlang@ndep.nv.gov
www.ndep.nv.gov/



**Tahoe Water
Suppliers
Association**
Protect the Source

1220 Sweetwater Road
Incline Village, Nevada 89451
775-832-1212

TWSA Members:
Cave Rock Water System
Edgewood Water Company
Glenbrook Water Cooperative
Incline Village GID
Kingsbury GID
Lakeside Park Association
North Tahoe PUD
Round Hill GID
Skyland Water Company
South Tahoe PUD
Tahoe City PUD
Zephyr Water Utility

11/9/18

Ms. Lucy Wong

Nevada State Lands

RE: Lakeridge GID Buoy Field application

We wish to offer comment on the Division of State Lands application from the Lakeridge GID to place a buoy field, containing 17 single, residential-use mooring buoys, located at 1263 Pier Lane, Zephyr Cove (Douglas County APN 1418-34-210-017).

This buoy field is proposed in very close proximity to the Douglas County Water Systems infrastructure, including the intake line.

In the interest of protecting this infrastructure, we ask that you consider implementing a mitigation that is currently used at the Glenbrook Buoy Field, which was suggested for that site, by the Nevada Division of Environmental Protection Drinking Water Division.

This mitigation proposed is an informational letter that all buoy field users sign (annually, or as assigned to buoys) alerting the signator of the intake proximity and the need to use extra caution in the area. The letter also obligates the signator to alert proper authorities in the event of any accident or issue. An example is attached.

If you have questions, please contact us directly. Thank you for the opportunity to comment.

Madonna Dunbar, TWSA Executive Director & Suzi Gibbons, TWSA Board Chairperson

NOTICE TO BUOY USERS

THE DOUGLAS COUNTY DOMESTIC WATER SYSTEM AND INTAKE LINE ARE LOCATED IN THE IMMEDIATE VICINITY OF THE LAKERIDGE BUOY FIELD.

- DO NOT DROP ANCHOR OR ATTACH TO THIS LINE.
- ANY DISCHARGE OF FUELS, CHEMICALS OR SEWAGE MUST BE REPORTED IMMEDIATELY TO ENSURE RAPID RESPONSE ON CLEANUP MEASURES.
- THIS IS CRITICAL TO ENSURE PROTECTION OF THE WATER SUPPLY. MEASURES SUCH AS SHUTTING DOWN THE WATER TREATMENT SYSTEM MAY NEED TO OCCUR.
- KEEP A COPY OF THIS NOTICE IN YOUR BOAT.

TO REPORT A SPILL OR DAMAGE TO INTAKE YOU MUST CALL ALL THESE NUMBERS:

FIRE DEPT: 911

DOUGLAS COUNTY WATER SYSTEMS: 775-782-9989

NDEP SPILL HOTLINE: 1-888-331-6337

I HEREBY ACKNOWLEDGE THAT I RECEIVED THIS NOTIFICATION AND TAKE FULL RESPONSIBILITY FOR ENSURING THAT ANY SPILL OR DAMAGE TO INTAKE IS PROMPTLY REPORTED.

SIGNATURE OF BUOY USER

PRINTED NAME

DATE

New Shoreline Plan for Tahoe Approved

BY TOM LOTSHAW

The Tahoe Regional Planning Agency Governing Board adopted a new Shoreline Plan for Lake Tahoe on Oct. 24, following three years of collaboration by the agency and a broad range of partners to develop the plan.

“This plan’s adoption is a landmark achievement for Tahoe,” said Joanne Marchetta, TRPA executive director. “Through this collaborative process we have reached a plan that is fair and will benefit lake recreation and the environment at Tahoe.”

The Shoreline Plan marks the first update to TRPA shorezone regulations in several decades and lifts a longstanding moratorium on new piers and buoys at the lake that was based on outdated science about their impacts on fish habitat.

Developed through a highly collaborative, mediated process, the Shoreline Plan aims to improve recreation access, experiences, and safety on the lake while protecting the environment along the shoreline.

Many partners helped develop the plan, including TRPA, Lake Tahoe Marina Association, Tahoe Lakefront Owners’ Association, League to Save Lake Tahoe, Lahontan Regional Water Quality Control Board, Nevada Division of State Lands, and California State Lands Commission.

The plan sets development caps and regulations for new shoreline structures such as piers, buoys, and public boat ramps. It also creates a framework for marinas to enhance their facilities if they incorporate environmental improvements into the project.

“We hope the incentives included in this plan will provide excellent opportunities to improve recreational access and environmental protection for generations to come,” said Jan Brisco, executive director of the Tahoe Lakefront Owners’ Association.

The Shoreline Plan—which takes effect January 2019—also creates programs needed to ensure shoreline structures and boating activity do not harm the environment, scenery, or recreation experiences at Lake Tahoe.

The cost of these programs will be paid for through new shoreline fees that TRPA and its partners worked to fairly apportion to various shoreline users and structures. These include mooring fees, an increase in boat sticker fees, and boat rental concession fees that will take effect leading up to the 2019 boating season.

New programs will include boater education and enforcement of the 600-foot no-wake zone at Lake Tahoe, expansion of the no-wake zone to include all of Emerald Bay, and no-wake zone buffers around all swimmers, paddlers, and shoreline structures to prevent unsafe boating near the shoreline where motor boats, paddlers, and swimmers interact.

TRPA is partnering with the Lake Tahoe Water Trail and the basin-wide Take Care campaign, as well as with the League to Save Lake Tahoe, marinas, concessionaires, and law enforcement agencies to implement these new boater education and enforcement activities.

In addition to strengthening its own presence on the lake with a second watercraft team, TRPA is entering an agreement with all law enforcement agencies on the lake to coordinate and prioritize enforcement strategies and to create a Watercraft Task Force that will meet regularly to focus on improving compliance with boating regulations at Lake Tahoe.

Other new programs provide coordinated TRPA enforcement against illegal boat moorings on the lake with the California State Lands Commission and Nevada Division of State Lands; more monitoring and control projects to prevent the spread of harmful aquatic invasive species; enhanced TRPA monitoring for noise and scenic impacts from boating activity and shoreline structures; and new provisions to keep noisy boats with aftermarket exhaust systems that exceed TRPA, California, and Nevada sound limits from operating on the lake.

“Lake Tahoe was suffering from the lack of a shoreline plan as illegal activity caused environmental degradation and conflicts amongst recreationists on the water,” said Darcie Goodman Collins, Ph.D., chief executive officer of the League to Save Lake Tahoe. “This new plan has stronger protections, more effective enforcement, and a vastly improved education program enhanced by technology that will make everyone’s experience on the lake better.”

People interested in the Shoreline Plan are encouraged to visit www.shorelineplan.org to learn more about the plan, new permitting processes and phases, and fees. At the website, people can also read a report on the Shoreline Implementation Program that details how the new plan will take effect, and sign up for regular email newsletters about upcoming implementation actions.

Shoreline Plan By the Numbers

Shoreline structures:

The Shoreline Plan authorizes up to:

- **128** new private piers, with 12 pier applications accepted every two years. Piers that serve multiple properties will be prioritized, with no more than 25 pier permits available for piers that serve a single property.
- **10** new public piers
- **2** new public boat ramps
- **1,486** new moorings, including buoys and boat lifts, with no more than 15 percent of the moorings permitted in any given year. In 2019, TRPA will focus on ensuring that all existing moorings on the lake are permitted and registered, and new mooring applications will likely not be processed until 2020.
- Up to **330** new moorings for existing marinas, and up to **300** new moorings for public agencies with lakefront facilities.

Shoreline fees:

- **\$43** annual mooring registration fee charged for all boat moorings. Pays for enforcement of illegal moorings, no-wake zone education and enforcement, and aquatic invasive species monitoring and control.
- **\$47** annual buoy scenic mitigation fee charged for all buoys. Pays for projects to offset the scenic impacts of buoys.
- **\$12** increase for annual boat sticker fees for all boat inspections. Pays for aquatic invasive species monitoring and control and watercraft inspection costs.
- **\$75** annual boat rental concession fee charged for all rental boats with a 3-star or higher rating by the California Air Resources Board and **\$150** annual boat rental concession fee charged for all rental boats with a lower or no CARB rating. Pays for aquatic invasive species monitoring and control and no-wake zone education and enforcement.

Tom Lotshaw is public information officer at the Tahoe Regional Planning Agency.