



**TWSA BOARD MEETING
PACKET
For 3/8/18**

Refer to RED page numbers in the TOP left corner.

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NOTICE OF MEETING:

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

Thursday, March 8, 2018 / 12 noon to 4 pm

IVGID Public Works

1220 Sweetwater Rd., Incline Village, NV 89451

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** – Joseph Hill; IVGID Public Works Sustainability Benchmarking Process (30 min)
- 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 Dec. 2017 TWSA Board meeting.
- G. Reports**
 - a. Staff Reports:
 - i. Outreach/Activities/Financial
 - ii. Tahoe Fund/TWSA Bottom Barrier Purchase Project –publicity video posted at <https://vimeo.com/256686801>
 - iii. TKPOA AIS Pilot Project – status update
 - b. TWSA Chair Report
- H. General Business (for possible action/vote)**
Items for Discussion and Possible Action (one or more items may be considered):
 - a. TWSA 2018-19 Organizational Goals
 - b. TWSA 2018-19 Proposed Budget
- I. Purveyor Updates**
- J. Public Comment**
- K. Adjournment**

IMPORTANT DATES:

2018 TWSA Board Meetings - Thursdays, quarterly, held from 12 to 4 pm.

March 8, 2018 (IVGID) / June 7, 2018 (KGID) / Sept. 13, 2018 (IVGID) / Dec. 13, 2018 (SLT -TBD)

Upcoming Events:

Fri. Mar. 30, 2018	Go Local Business Expo	http://www.tahoechamber.org/events
Sat. April 21, 2018	Tahoe Truckee Earth Day @ Olympic Valley	http://tahoetruckeeearthday.com
Sat. April 28, 2018	SLT Earth Day @ Bijou Park	http://southtahoeearthday.org
4/29 to 5/3, 2018	River Rally National Conference @ Olympic Valley	https://www.rivernetwork.org/events
Sat. May 18, 2018	Tahoe-Truckee-Reno Snapshot Day	http://tahoetruckeesnapshotday.org

TWSA Board of Directors

Suzi Gibbons (Chair) / Duane Whitelaw (alt.)
Cameron McKay, Vice Chair

John Fassmann
Tim DeTurk, Nick Charles (alternate)
Gerry De Young, Patrick McKay (alt.)
Joseph Pomroy, Bob Lochridge (alt.)
Bob Loding
Tony Laliotis
Shelly Thomsen

North Tahoe Public Utility District
Glenbrook Water Cooperative (and)
Kingsbury General Improvement District
Round Hill General Improvement District
Douglas County Systems
Edgewood Water Company
Incline Village 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. March 2, 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.



Thursday, December 14, 2017
12:00 pm to 4:00 pm
Edgewood Lodge
100 Lake Parkway, Stateline, NV 89449

MINUTES

A. Presentations – none

B. Roll Call

Members in Attendance: Suzi Gibbons (NTPUD), Tony Laliotis (TCPUD), Tim DeTurk (Douglas County), Bob Loding (LPA), Shelly Thomsen (STPUD), Cameron McKay (Glenbrook/ KGID), Joe Pomroy (IVGID), Gerry De Young (Edgewood), Patrick McKay (Edgewood), John Fassmann (RHGID), Reginald Lang (NDEP)

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.

Dan Sussmann from the Lahontan Regional Water Quality Control Board gave public comment concerning the upcoming revisions in recreational water quality objectives for Total and Fecal Coliform. The revisions include specific regulations for Lake Tahoe.

D. Introduction of New Representatives and Guests

Patrick McKay is joining the Board from Edgewood, NV (Edgewood)
 John Fassmann is joining the Board from Round Hill GID, NV (RHGID)
 Shelly Thomsen is joining the Board from South Tahoe Public Utility District, CA (STPUD)

E. Approval of Agenda

Motion to approve agenda made by Bob Loding, Second by Cam McKay, all in favor; motion carries.

F. Approval of Minutes

Motion to approve minutes from September 14, 2017, meeting with changes as submitted, made by Joe Pomroy, second by Cam McKay, all in favor; motion carries.

G. Reports

a. Staff Reports:

i. Outreach/Activities/Financial/Annual Report

Outreach

TWSA sponsored the 2017 Tahoe Film Festival.
 Staff provided water pouches for SWEP trashion show.

Activities

Staff is moving forward with the water station project discussed at the last meeting and will provide O&M manual on the internet.

Financial Report

Full report provided in the Board packet.

Annual Report

Staff submitted Annual Reports to regulators in late November. Printed and electronic copies were distributed to Board members. Please read the Executive Summary and Data Chapters.

- ii. Tahoe Fund/TWSA Bottom Barrier Purchase Project
The Tahoe Fund has requested the full match on the Bottom Barrier Challenge. When the effort is finalized, a press release will be made, covering the challenge. The Board revisited the project background.
- iii. TKPOA AIS – will be covered during Item Hb.
- iv. WQTS Contract - will be covered during Item Hb.

b. TWSA Chair Report

The Chairperson provided information to the Board on the Fire Committee, Lake Tahoe Restoration Act funding process, and additional federal funding opportunities.

H. General Business (for possible action/vote)

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

- a. 2018 Meeting Dates (see below) Proposed for Board Approval.
The TWSA board will meet on the following dates in 2018:
 - o March 8, 2018 (IVGID)
 - o June 14, 2018 (KGID); amended to June 7
 - o Sept. 13, 2018 (IVGID)
 - o Dec. 13, 2018 (Edgewood)

Motion to approve dates provided with amended June 7, 2017, date, made by Cam McKay, second by Bob Loding, all in favor; motion carries.

- b. TWSA AIS Subcommittee – discussion items.
 - i. TKPOA

Timeline for next step in the process for prohibition exemption:

- Preliminary CEQA Environmental Documents January 2018
 - o Currently delayed by tribal consultation request
- 45 Day Public Comment period (TBD)
- March 2018 Lahontan Board Meeting
- April 2018 TRPA Board meeting
- Pilot Implementation June 2018

The Executive Director has provided an updated factsheet for use in outreach activities.

- Board Members are to provide comments on the fact sheet to Madonna provided by December 20, 2017.

Motion to adopt provided fact sheet, with any revisions or comments to be provided to the Executive Director by December 20, 2017, made by Bob Loding, second Cam McKay, all in favor; motion carries.

- ii. WQTS Contract

The contract with WQTS been updated with the Task Order to review CEQA documentation and validity of the probable selection of Mitigated Negative Declaration vs. full Environmental Impact Statement.

iii. Miscellaneous

- The Board discussed TKPOA Pilot Project details for the benefit of new members.
- Communication Strategy on watershed protection after CEQA document release.
- UV pilot project update from Lakeside Park Association, the summer 2017 treatment areas had no visible late season regrowth.
- TWSA will call a special board meeting when CEQA documents are released.
- TKPOA Antidegradation Analysis (Appendix H) of the Prohibition Exemption Application includes discussion of ONRW Status of the Tahoe Keys Lagoons, vs. the Tier III status of Lake Tahoe. There are discussions in the South Lake Tahoe community that the status of Lake Tahoe should be reduced to match the status of Tahoe Keys Lagoons, due to the beneficial uses of the water body.
- From Purveyor Update AIS Discussion:
 - The UV pilot boat will be enhanced for use in 2018. Upgrades in array size to treat bigger areas, faster.
 - The UV pilot is a two-year study that includes field implementation in year one, and monitoring of regrowth in the following years. All monitoring and reporting requirements should be listed in the TRPA permit.
 - NDEP staff are participating the TKPOA stakeholder meetings and will be providing a public comment with the CEQA comment period opens. They can only provide public comment and do not have a stake in the decision-making process. If the pilot were proposed in NV, then they would be the deciding body and Lahontan would be allowed public comment.
 - The Executive Director believes that Elk Point Marina would be a good location for an additional UV pilot test, with Curly Leaf Pondweed present, and Nevada jurisdiction.
 - The TKPOA's RFP for Laminar Flow Technology received only one vendor submittal. Other potential vendors submitted comments back to the TKPOA that a project size of one acre will never be successful, and that they were being set up for failure due to reinfestation from the same cove. TKPOA will be opening an RFP in 2018 for a 5-acre laminar flow pilot.
 - TWSA staff and other stakeholders have suggested to TKPOA that all methods should be tested in the same size area, to provide standardization of studies for complete comparison both on success rate and cost of each treatment option. TKPOA has chosen not to run their program in this fashion and has chosen to provide chemical treatment with enhanced acreage, and mechanical (non-chemical) methods with limited area.
 - Non-chemical methods have been successful around the basin including the following two examples:
 - Crystal Shores (Incline Village) after three seasons of bottom barrier and diver assisted suction there are no plants.
 - Truckee River mouth (Tahoe City) treated with bottom barriers and diver assisted pulling and has minimal re-infestation and regrowth.

I. Purveyor Updates

NTPUD – The state and federal mandate fee will continue indefinitely after the past ten-year rate increase. Lake Intake pump project, after failure, all three pumps are now replaced, looking forward they may move them onto the surface. Generator project is complete. Carnelian Woods #1 large tank rehab project is completed, the floor of the tank had to be refurbished to fix multiple small holes in the bottom. NTPUD is replacing 8” mains in public right-of-way and adding fire hydrants.

STPUD – AMI towers have been installed, and additional towers will be installed, when the infrastructure is finalized, the district will provide customers with an online portal for monitoring. STPUD continues to work with Lukins and the Tahoe Keys on the PCE groundwater contamination issue. Last year of Prop 218 rate increase, five years of a 6% increase, within the next year a new Prop 218 rate increase.

Edgewood – Edgewood Water Company, has completed the SCADA project. There have been water sample shipments errors with samples freezing during shipment to Wet Lab; other members suggest using gel packs, not wet ice.

Glenbrook- Engineering work continues in Glenbrook.

KGID – Will be doing a full water audit to find missing water, the vendor will be Rural Water. The district will continue doing engineering work on the waterline in front of the Lakeside Casino.

Douglas County – The Director of Public Works for Douglas County had retired, the acting Director is Ron Roman. The district had to replace the pump at well #1 at Upaway. Work continues on the PER on the Lake System. Douglas County will continue work on the Cave Rock System in 2018, which is now 20 years old.

LPA – Work has started on the design phase of the Hill Street line Replacement. John Pallucio has reached out to LPA to take a look at the treatment areas at LPA and Ski Run Marina. Bob Loding’s observations are that Ski Run Marina has AIS regrowth to the water level; LPA has no plants visible from the surface. Lakeside Park Association is very happy with the UV results and wishes the TWSA would have a stronger stance on UV methodology.

TCPUD – The District has created the site for the Bunker Tank project and winterized it; work will continue in spring 2018. The tank rehab project concluded with two interiors and three exteriors completed in 2017. TCPUD continues to consolidate water systems on the west shore of Lake Tahoe with by increasing their water connections 35% by adding the following systems Tahoe Cedars, Madden, and Timberland Water Systems.

IVGID – District staff attended the North American Water Loss Conference. Staff will begin a metering area, water loss program on zones with low tank flows during the hours of 12:00 -3:00 am.

RHGID – John is now the acting District Manager of Round Hill GID. The district has done the second round of fire hydrant replacements. RHGID will work on a PRV rehab and replacement project. Work continues on the Castle Rock consolidation project, and they have submitted 90% plans for review.

NDEP – All NV filtration exempt utilities are to conduct Total Coliform and Fecal Coliform samples weekly from their raw water samples. Depending on population size, 1-5 samples per week are to be taken. These samples are to be reported to NDEP with a 6 month rolling average. Currently, all NV

7 filtration exempt purveyors are reporting this correctly. NDEP staff has reached out to Edgewood and IVGID to start reporting this 6-month rolling average correctly, all information has been provided, but the six-month rolling average has been overlooked to this point. If the 6-month rolling average exceeds the filtration avoidance maximum, then the exemption may be lifted, and filtration will need to take place. The full regulation is available in 40 CFR 141 Surface Water. UCMR 4 instructions have not made it to NDEP, including MCL's and reporting requirements.

J. Public Comment

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

Tim DeTurk would like to tell the group that WQTS's Principal, Assam, received a lifetime achievement award at the CA/NV AWWA annual conference.

K. Adjournment

Motion to adjourn by Tim DeTurk, second by Cameron McKay, all in favor, meeting concluded at 3:18 pm.

MEMORANDUM

TO: TWSA Board
FROM: Madonna Dunbar, IVGID Resource Conservationist
SUBJECT: TWSA Program Highlights – Q1 2018
DATE: March 1, 2018

December 2017

400 Water Pouches were donated to the SWEP Trashion Show at Kings Beach Elementary on December 7.

Staff facilitated the quarterly TWSA Board meeting on Dec. 14, held at Edgewood Lodge.

TWSA was a \$500 sponsor for Tahoe Film Fest 3 held Nov. 30 - Dec. 3, 2017. The film festival is an outreach program of Sierra Watershed Education Partnership. www.TahoeFilmFest.org

TWSA outreach included water station use at:

- SnowGlobe Music Festival 60,000 attendees over 3 days

Staff coordinated the publishing, release and distribution of the 2017 TWSA Annual Report in early December.

Staff proved a presentation to the Nevada Division of Environmental Protection Bureau of Safe Drinking Water at the agency's staff retreat held at the Tahoe Environmental Research Center on Dec. 19. Madonna covered the topics of the history, goals and current / future programs of the Tahoe Water Suppliers Association. Joe Hill provided a 'sneak peak' at the soon to be released IVGID Public Works Sustainability Report and Benchmarking Project.

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

A TWSA Drop Box account has been established for document storage and reference. TKPOA reference reports, TWSA meeting materials and Snapshot Day materials are being kept at: <https://www.dropbox.com/home/TWSA%20Team%20Folder/TKPOA%20Documents>

Sarah Vidra attended the CA/NV AWWA Water Loss Conference held December 2017.

January 2018

Aquatic Invasive Bottom Barrier Challenge = MET!

“Partner: Tahoe Resource Conservation District, Tahoe Water Suppliers Association

Total Project Cost: \$52,000 / Tahoe Fund Goal: \$26,000 / TWSA Match: \$26,000

This project was funded to the full amount at the end of calendar year 2017.

Informational video posted at: <https://vimeo.com/256686801>

Staff offered a watershed / storm-water map activity to the 4th grade students of Tahoe Expedition Academy on 1/12/18. The students are working on recording a “Tahoe Tap” song with a local musician, and preparing to offer a performance at Tahoe Truckee Earth Day 2018.

Madonna attended the North Lake Tahoe Resort Association Workshop on 1/30/18 to promote Drink Tahoe Tap and stewardship in the messaging directed at tourists and visitors.

Page 2

Sarah Vidra received a promotion to Public Works Program Coordinator Level 2 on 1/28/18.

Staff prepared ads for a 3 month, ¼ page advertising run in the Lake Tahoe Mountain News (South Shore coverage) and Moonshine Ink (North Shore coverage).

TWSA outreach at events was inactive this month.

50 water pouches were provided to the Parasol Foundation for a Nevada Legislative Staff meeting request.

24 metal bottles were provided to students at Tahoe Expedition Academy.

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

February 2018

Staff attended the PCE plume informational public workshop on 2/7/18. South Tahoe Public Utility District, Lukins Brothers Water Company and Tahoe Keys Property Owners Association hosted a public meeting to discuss the groundwater contaminant tetrachloroethylene, or PCE, which has tainted 400 acres down near the "Y" in South Lake Tahoe.

Staff prepared the prospectus for the TWSA 2018 'Future of Water' scholarships, and distributed the information to area high school counselors.

Staff is working with a local Eagle Scout on building 4 more mobile water stations and reviving the Tahoe Tap It Water Refill Network with local businesses.

Staff provided outreach materials at the Diamond Peak Community Appreciation Celebration on 2/11 and IVGID Board of Trustees' Face to Face event on 2/28.

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

Trial Balance
 Incline Village General Improvement Dist
 From 07/01/2017 to 02/28/2018

Account	Description	Opening	Debit	Credit	Closing
Revenue					
200-28-990-4417	Service & User Fees	0	0	171,000	171,000
	Total Revenue CR	0	0	171,000	171,000
Expense					
200-28-990-5030	Leave	0	713	713	0
200-28-990-5050	Taxes	0	1,806	0	1,806
200-28-990-5100	Retirement Fringe Ben	0	3,368	0	3,368
200-28-990-5200	Medical Fringe Ben	0	4,518	0	4,518
200-28-990-5250	Dental Fringe Ben	0	342	0	342
200-28-990-5300	Vision Fringe Ben	0	42	0	42
200-28-990-5400	Life Ins Fringe Ben	0	25	0	25
200-28-990-5500	Disability Fringe Ben	0	126	0	126
200-28-990-5600	Unemployment Fringe Ben	0	354	0	354
200-28-990-5700	Work Comp Fringe Ben	0	565	0	565
200-28-990-6030	Professional Consultants	0	26,000	0	26,000
200-28-990-7010	Advertising - Paid	0	4,622	0	4,622
200-28-990-7330	Contractual Services	0	4,017	4,017	0
200-28-990-7405	Office Supplies	0	287	0	287
200-28-990-7415	Operating	0	35,121	6,091	29,030
200-28-990-7460	Postage	0	50	0	50
200-28-990-7470	Printing & Publishing	0	7,008	1,076	5,932
200-28-990-7680	Training & Education	0	1,832	0	1,832
200-28-990-7685	Travel & Conferences	0	1,511	0	1,511
200-28-990-7840	Telephone	0	96	0	96
200-28-990-7980	Central Services Allocation Cs	0	3,500	0	3,500
	Total Expense DB	0	95,902	11,897	84,005
	Fund 200 Totals	0	95,902	182,897	(86,995)

TWSA reserve balance = \$104,472

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
		08/04/17												
	08/04/2017	Accrued Comp Time ckdtd 08/04/17	AJ	GL	188973							36		131
	08/04/2017	Move Object 5030 to 5010	USR	GL	198352								95	36
	08/04/2017	Move Object 5030 to 5010	USR	GL	198352								36	0
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							35		35
	08/18/2017	Accrued Vacation ckdtd 08/18/17	USR	GL	196674							95		130
	08/18/2017	Move Object 5030 to 5010	USR	GL	198353								35	95
	08/18/2017	Move Object 5030 to 5010	USR	GL	198353								95	0
	08/26/2017	PAYROLL FOR 090117	AJ	PR	193862							64		64
	08/26/2017	Move Object 5030 to 5010	USR	GL	198356								64	0
	08/31/2017	PAYROLL FOR 091517	AJ	PR	196672							23		23
	08/31/2017	Move Object 5030 to 5010	USR	GL	198359								23	0
	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							41		41
	09/15/2017	Move Object 5030 to 5010	USR	GL	198358								41	0
		TOTAL										713	713	0
200-28-990-5050		Taxes										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ	PR	180482							8		8
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							112		120
	07/29/2017	PAYROLL FOR 080417	AJ	PR	187368							112		232
	07/31/2017	PAYROLL FOR 081817	AJ	PR	191384							16		248
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							96		344
	08/26/2017	PAYROLL FOR 090117	AJ	PR	193862							112		456
	08/31/2017	PAYROLL FOR 091517	AJ	PR	196672							40		496
	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							72		568
	09/29/2017	PAYROLL FOR 092917	AJ	PR	199322							114		682
	09/30/2017	PAYROLL FOR 101317	AJ	PR	201692							56		738
	10/13/2017	PAYROLL FOR 101317	AJ	PR	201691							56		794
	10/26/2017	GEMS HRMS 10/26.17	AJ	PR	204912							112		906
	10/31/2017	PAYROLL FOR 110917	AJ	PR	205193							80		986
	11/09/2017	PAYROLL FOR 110917	AJ	PR	205192							32		1,019
	11/22/2017	PAYROLL FOR 112217	AJ	PR	207156							112		1,130
	11/30/2017	PAYROLL FOR 120817	AJ	PR	209183							96		1,227
	12/08/2017	PAYROLL FOR 120817	AJ	PR	209182							16		1,243
	12/22/2017	GEMS HRMS Journal Sequence 12/22/2017	AJ	GL	212608							111		1,354
	12/30/2017	PAYROLL FOR 010518	AJ	PR	213249							112		1,465
	01/01/2018	PAYROLL FOR 011918	AJ	PR	216169							8		1,473
	01/19/2018	PAYROLL FOR 011918	AJ	PR	216168							103		1,576
	01/27/2018	PAYROLL FOR 020218	AJ	PR	218015							112		1,688
	01/31/2018	PAYROLL FOR 021618	AJ	PR	220266							34		1,722
	02/16/2018	PAYROLL FOR 021618	AJ	PR	220265							84		1,806
		TOTAL										1,806	0	1,806
200-28-990-5100		Retirement Fringe Ben										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ	PR	180482							15		15
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							210		224
	07/29/2017	PAYROLL FOR 080417	AJ	PR	187368							208		433
	07/31/2017	PAYROLL FOR 081817	AJ	PR	191384							30		463
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							180		642
	08/26/2017	PAYROLL FOR 090117	AJ	PR	193862							209		851
	08/31/2017	PAYROLL FOR 091517	AJ	PR	196672							75		926

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
13	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							134		1,060
	09/29/2017	PAYROLL FOR 092917	AJ	PR	199322							209		1,269
	09/30/2017	PAYROLL FOR 101317	AJ	PR	201692							105		1,374
	10/13/2017	PAYROLL FOR 101317	AJ	PR	201691							105		1,479
	10/26/2017	GEMS HRMS 10/26.17	AJ	PR	204912							209		1,688
	10/31/2017	PAYROLL FOR 110917	AJ	PR	205193							150		1,838
	11/09/2017	PAYROLL FOR 110917	AJ	PR	205192							60		1,898
	11/22/2017	PAYROLL FOR 112217	AJ	PR	207156							208		2,106
	11/30/2017	PAYROLL FOR 120817	AJ	PR	209183							180		2,286
	12/08/2017	PAYROLL FOR 120817	AJ	PR	209182							30		2,316
	12/22/2017	GEMS HRMS Journal Sequence 12/22/2017	AJ	GL	212608							207		2,523
	12/30/2017	PAYROLL FOR 010518	AJ	PR	213249							208		2,732
	01/01/2018	PAYROLL FOR 011918	AJ	PR	216169							15		2,747
	01/19/2018	PAYROLL FOR 011918	AJ	PR	216168							193		2,940
	01/27/2018	PAYROLL FOR 020218	AJ	PR	218015							209		3,149
	01/31/2018	PAYROLL FOR 021618	AJ	PR	220266							63		3,211
	02/16/2018	PAYROLL FOR 021618	AJ	PR	220265							156		3,368
		TOTAL										3,368	0	3,368
200-28-990-5200		Medical Fringe Ben										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ	PR	180482							169		169
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							349		518
	08/04/2017	PAYROLL FOR 080417	AJ	PR	187369							169		687
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							349		1,036
	09/01/2017	PAYROLL FOR 090117	AJ	PR	193861							169		1,205
	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							349		1,553
	10/13/2017	PAYROLL FOR 101317	AJ	PR	201691							169		1,723
	10/26/2017	GEMS HRMS 10/26.17	AJ	PR	204912							349		2,071
	11/09/2017	PAYROLL FOR 110917	AJ	PR	205192							169		2,240
	11/22/2017	PAYROLL FOR 112217	AJ	PR	207156							349		2,589
	12/08/2017	PAYROLL FOR 120817	AJ	PR	209182							169		2,758
	12/22/2017	GEMS HRMS Journal Sequence 12/22/2017	AJ	GL	212608							349		3,107
	01/01/2018	HRA 2018 Employer Contribution	AJ	GL	219200							245		3,352
	01/01/2018	HRA 2018 Chiropractic	AJ	GL	219201							130		3,482
	01/05/2018	PAYROLL FOR 010518	AJ	PR	213248							169		3,651
	01/19/2018	PAYROLL FOR 011918	AJ	PR	216168							349		4,000
	02/02/2018	PAYROLL FOR 020218	AJ	PR	218014							169		4,169
	02/16/2018	PAYROLL FOR 021618	AJ	PR	220265							349		4,518
		TOTAL										4,518	0	4,518
200-28-990-5250		Dental Fringe Ben										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ	PR	180482							14		14
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							29		43
	08/04/2017	PAYROLL FOR 080417	AJ	PR	187369							14		56
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							29		85
	09/01/2017	PAYROLL FOR 090117	AJ	PR	193861							14		99
	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							29		128
	10/13/2017	PAYROLL FOR 101317	AJ	PR	201691							14		142
	10/26/2017	GEMS HRMS 10/26.17	AJ	PR	204912							29		171
	11/09/2017	PAYROLL FOR 110917	AJ	PR	205192							14		184
	11/22/2017	PAYROLL FOR 112217	AJ	PR	207156							29		214
	12/08/2017	PAYROLL FOR 120817	AJ	PR	209182							14		227
	12/22/2017	GEMS HRMS Journal Sequence 12/22/2017	AJ	GL	212608							29		256
	01/05/2018	PAYROLL FOR 010518	AJ	PR	213248							14		270
	01/19/2018	PAYROLL FOR 011918	AJ	PR	216168							29		299
	02/02/2018	PAYROLL FOR 020218	AJ	PR	218014							14		313
	02/16/2018	PAYROLL FOR 021618	AJ	PR	220265							29		342

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
		TOTAL										342	0	342
200-28-990-5300		Vision Fringe Ben										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ	PR	180482							2		2
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							4		5
	08/04/2017	PAYROLL FOR 080417	AJ	PR	187369							2		7
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							4		11
	09/01/2017	PAYROLL FOR 090117	AJ	PR	193861							2		12
	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							4		16
	10/13/2017	PAYROLL FOR 101317	AJ	PR	201691							2		18
	10/26/2017	GEMS HRMS 10/26.17	AJ	PR	204912							4		21
	11/09/2017	PAYROLL FOR 110917	AJ	PR	205192							2		23
	11/22/2017	PAYROLL FOR 112217	AJ	PR	207156							4		27
	12/08/2017	PAYROLL FOR 120817	AJ	PR	209182							2		28
	12/22/2017	GEMS HRMS Journal	AJ	GL	212608							4		32
		Sequence 12/22/2017												
	01/05/2018	PAYROLL FOR 010518	AJ	PR	213248							1		34
	01/19/2018	PAYROLL FOR 011918	AJ	PR	216168							4		37
	02/02/2018	PAYROLL FOR 020218	AJ	PR	218014							1		39
	02/16/2018	PAYROLL FOR 021618	AJ	PR	220265							4		42
		TOTAL										42	0	42
200-28-990-5400		Life Ins Fringe Ben										Balance	Forward	0
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							3		3
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							3		6
	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							3		9
	10/26/2017	GEMS HRMS 10/26.17	AJ	PR	204912							3		13
	11/22/2017	PAYROLL FOR 112217	AJ	PR	207156							3		16
	12/22/2017	GEMS HRMS Journal	AJ	GL	212608							3		19
		Sequence 12/22/2017												
	01/19/2018	PAYROLL FOR 011918	AJ	PR	216168							3		22
	02/16/2018	PAYROLL FOR 021618	AJ	PR	220265							3		25
		TOTAL										25	0	25
200-28-990-5500		Disability Fringe Ben										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ	PR	180482							5		5
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							9		14
	08/04/2017	PAYROLL FOR 080417	AJ	PR	187369							6		21
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							9		30
	09/01/2017	PAYROLL FOR 090117	AJ	PR	193861							6		36
	09/15/2017	PAYROLL FOR 091517	AJ	PR	196670							9		45
	09/29/2017	PAYROLL FOR 092917	AJ	PR	199322							6		51
	10/13/2017	PAYROLL FOR 101317	AJ	PR	201691							6		57
	10/26/2017	GEMS HRMS 10/26.17	AJ	PR	204912							9		66
	11/09/2017	PAYROLL FOR 110917	AJ	PR	205192							6		72
	11/22/2017	PAYROLL FOR 112217	AJ	PR	207156							9		81
	12/08/2017	PAYROLL FOR 120817	AJ	PR	209182							6		88
	12/22/2017	GEMS HRMS Journal	AJ	GL	212608							9		96
		Sequence 12/22/2017												
	01/05/2018	PAYROLL FOR 010518	AJ	PR	213248							6		102
	01/19/2018	PAYROLL FOR 011918	AJ	PR	216168							9		111
	02/02/2018	PAYROLL FOR 020218	AJ	PR	218014							6		117
	02/16/2018	PAYROLL FOR 021618	AJ	PR	220265							9		126
		TOTAL										126	0	126
200-28-990-5600		Unemployment Fringe Ben										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ	PR	180482							2		2
	07/21/2017	PAYROLL FOR 072117	AJ	PR	184928							22		24
	07/29/2017	PAYROLL FOR 080417	AJ	PR	187368							22		46
	07/31/2017	PAYROLL FOR 081817	AJ	PR	191384							3		49
	08/18/2017	PAYROLL FOR 081817	AJ	PR	191383							19		68
	08/26/2017	PAYROLL FOR 090117	AJ	PR	193862							22		90
	08/31/2017	PAYROLL FOR 091517	AJ	PR	196672							8		98

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
15	09/15/2017	PAYROLL FOR 091517	AJ PR	196670								14		112
	09/29/2017	PAYROLL FOR 092917	AJ PR	199322								22		134
	09/30/2017	PAYROLL FOR 101317	AJ PR	201692								11		145
	10/13/2017	PAYROLL FOR 101317	AJ PR	201691								11		156
	10/26/2017	GEMS HRMS 10/26.17	AJ PR	204912								22		178
	10/31/2017	PAYROLL FOR 110917	AJ PR	205193								16		193
	11/09/2017	PAYROLL FOR 110917	AJ PR	205192								6		200
	11/22/2017	PAYROLL FOR 112217	AJ PR	207156								22		222
	11/30/2017	PAYROLL FOR 120817	AJ PR	209183								19		240
	12/08/2017	PAYROLL FOR 120817	AJ PR	209182								3		244
	12/22/2017	GEMS HRMS Journal Sequence 12/22/2017	AJ GL	212608								22		265
	12/30/2017	PAYROLL FOR 010518	AJ PR	213249								22		287
	01/01/2018	PAYROLL FOR 011918	AJ PR	216169								2		289
	01/19/2018	PAYROLL FOR 011918	AJ PR	216168								20		309
	01/27/2018	PAYROLL FOR 020218	AJ PR	218015								22		331
	01/31/2018	PAYROLL FOR 021618	AJ PR	220266								7		337
	02/16/2018	PAYROLL FOR 021618	AJ PR	220265								16		354
		TOTAL										354	0	354
200-28-990-5700		Work Comp Fringe Ben										Balance	Forward	0
	07/07/2017	PAYROLL FOR 070717	AJ PR	180482								2		2
	07/21/2017	PAYROLL FOR 072117	AJ PR	184928								35		37
	07/29/2017	PAYROLL FOR 080417	AJ PR	187368								35		72
	07/31/2017	PAYROLL FOR 081817	AJ PR	191384								5		77
	08/18/2017	PAYROLL FOR 081817	AJ PR	191383								30		108
	08/26/2017	PAYROLL FOR 090117	AJ PR	193862								35		143
	08/31/2017	PAYROLL FOR 091517	AJ PR	196672								13		155
	09/15/2017	PAYROLL FOR 091517	AJ PR	196670								23		178
	09/29/2017	PAYROLL FOR 092917	AJ PR	199322								35		213
	09/30/2017	PAYROLL FOR 101317	AJ PR	201692								18		230
	10/13/2017	PAYROLL FOR 101317	AJ PR	201691								18		248
	10/26/2017	GEMS HRMS 10/26.17	AJ PR	204912								35		283
	10/31/2017	PAYROLL FOR 110917	AJ PR	205193								25		308
	11/09/2017	PAYROLL FOR 110917	AJ PR	205192								10		318
	11/22/2017	PAYROLL FOR 112217	AJ PR	207156								35		353
	11/30/2017	PAYROLL FOR 120817	AJ PR	209183								30		383
	12/08/2017	PAYROLL FOR 120817	AJ PR	209182								5		389
	12/22/2017	GEMS HRMS Journal Sequence 12/22/2017	AJ GL	212608								35		423
	12/30/2017	PAYROLL FOR 010518	AJ PR	213249								35		458
	01/01/2018	PAYROLL FOR 011918	AJ PR	216169								2		461
	01/19/2018	PAYROLL FOR 011918	AJ PR	216168								32		493
	01/27/2018	PAYROLL FOR 020218	AJ PR	218015								35		528
	01/31/2018	PAYROLL FOR 021618	AJ PR	220266								11		539
	02/16/2018	PAYROLL FOR 021618	AJ PR	220265								26		565
		TOTAL										565	0	565
200-28-990-6030		Professional Consultants										Balance	Forward	0
	01/24/2018	Bottom Barrier Challenge, matching funds	SYS AP	216847	766192		Tahoe Resource Conservation District	01032017 1	Default Invoice	18-0184		26,000		26,000
		TOTAL										26,000	0	26,000
200-28-990-7010		Advertising - Paid marketing interface	SYS AP	185744	763602		Tahoe.com	3270	Default Invoice			63		63
	07/24/2017	Sponsorship for 2017 Tahoe Film Fest	SYS AP	185741	763585		Sierra Watershed Education Partnerships	2017 156	Default Invoice			500		563

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
	08/15/2017	marketing interfaces	SYS	AP	194729	764315	Tahoe.com	3271	Default Invoice			63		625
	09/30/2017	SIERRA NEVADA MEDIA GR	AJ	GL	200548							125		750
	10/09/2017	reimbursement from TWSA & IVGID for expe	SYS	AP	202186	765013	The Regents of U.C.	01-46097126	Default Invoice			2,500		3,250
	11/30/2017	SIERRA NEVADA MEDIA GR	AJ	GL	208407							63		3,313
	12/26/2017	Tahoe Tap Theme Song	SYS	AP	211543	765799	Joaquin Fioresi	122217	Default Invoice			500		3,813
	12/31/2017	SIERRA NEVADA MEDIA GR	AJ	GL	214265							63		3,875
	01/27/2018	SIERRA NEVADA MEDIA GR	AJ	GL	219360							63		3,938
	01/27/2018	DNH GODADDY.COM	AJ	GL	219360							174		4,112
	02/01/2018	1/4 pg ads for Feb, March, & Apr of 2018	SYS	AP	218263	766341	Tahoe Mountain News	02012018	Default Invoice			510		4,622
		TOTAL										4,622	0	4,622
200-28-990-7330		Contractual Services										Balance	Forward	0
	09/30/2017	electronic recycling svcs	SYS	AP	200874	764826	California Electronic Asset Recovery	423704	Default Invoice			4,017		4,017
	11/01/2017	Reclass CEAR Recycling invoice	AJ	GL	208129								4,017	0
		TOTAL										4,017	4,017	0
200-28-990-7405		Office Supplies										Balance	Forward	0
	08/18/2017	office supplies	SYS	AP	192908	764155	Rainbow Printing & Office Supplies, Inc.	73045-001	Default Invoice			287		287
		TOTAL										287	0	287
200-28-990-7415		Operating										Balance	Forward	0
	07/10/2017	Tahoe Water Suppliers Lunch Photos	SYS	AP	182555	763272	Margaret Bistany Dba: Marni Bistany Photography	IVGID-2	Default Invoice			250		250
	07/27/2017	marketing products	SYS	AP	187958	763861	W & T Graphix	25480	Default Invoice			1,014		1,264
	07/27/2017	MY THAI & NOODLES	AJ	GL	188263							43		1,307
	07/27/2017	DISCOUNTMUGS.CO M	AJ	GL	188263							1,323		2,629
	07/27/2017	DROPBOX MKCPG2V3J8VZ	AJ	GL	188263							100		2,729
	08/03/2017	One time refund vendor	SYS	AP	188834	763762	Clean Flo International	20170803	Default Invoice			138		2,867
	08/31/2017	MY THAI & NOODLES	AJ	GL	195280							58		2,925
	08/31/2017	DROPBOX TPR6XZ385R5K	AJ	GL	195280							100		3,025
	08/31/2017	August 2017 in-store charges	SYS	AP	195491	764439	Village Ace Hardware	20170831-stmt-4241	Default Invoice			34		3,059
	09/30/2017	September 2017 in store charges	SYS	AP	200043	764770	Raley's	10012017	Default Invoice			118		3,177
	09/30/2017	NEVADA FINE ARTS	AJ	GL	200548							298		3,475
	09/30/2017	Etsy.com - EngraveMeTh	AJ	GL	200548							50		3,525
	09/30/2017	DROPBOX TNV5GFCC2HX3	AJ	GL	200548							100		3,625

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
17	09/30/2017	SQU SQ MOUNTAIN HIGH	AJ	GL	200548							292		3,917
	10/31/2017	DROPBOX ZDWLBMCK477L	AJ	GL	205183							100		4,017
	11/06/2017	Drink Tahoe Tap VI Tumblers, 600 qty.	SYS	AP	205110	765268	MiiR Holdings LLC	16128	Default Invoice	18-0135		7,945		11,962
	11/22/2017	Lake Tahoe Conservation Fund	AJ	JL	207786								5,297	6,665
	11/30/2017	NEW RESOURCES GROUP, I	AJ	GL	208407							250		6,915
	11/30/2017	MY THAI & NOODLES	AJ	GL	208407							42		6,957
	11/30/2017	DROPBOX XM99LBNCYXT6	AJ	GL	208407							100		7,057
	12/05/2017	Drink Tahoe Tap pouches, TWSA	SYS	AP	209494	765627	AIA Corporation	CMD2138085	Default Invoice	18-0158		10,272		17,329
	12/31/2017	DROPBOX LLDGHTMWSCWD	AJ	GL	214265							100		17,429
	01/19/2018	2018 North Tahoe Earth Day Sponsorship	SYS	AP	216786	766191	Tahoe Earth Day Foundation	01192018	Default Invoice			500		17,929
	01/24/2018	LT Conservation Fund - reimbursement v expenses	AJ	JL	216827								794	17,134
	01/27/2018	GO GREEN BOTTLES	AJ	GL	219360							202		17,337
	01/27/2018	SPECIALTY BOTTLE INC	AJ	GL	219360							157		17,494
	01/27/2018	SUPPLYHOUSE.COM	AJ	GL	219360							106		17,599
	01/27/2018	CWI CAMPING WORLD	AJ	GL	219360							244		17,844
	01/27/2018	THE WEBSTAIRANT STORE	AJ	GL	219360							2,693		20,537
	01/27/2018	DROPBOX 91CT6J568GS2	AJ	GL	219360							100		20,637
	02/08/2018	TWSA Glass Bottle Reorder	SYS	AP	219530	766361	4imprint, Inc	6066781	Default Invoice	18-0185		8,393		29,030
		TOTAL										35,121	6,091	29,030
200-28-990-7460		Postage										Balance	Forward	0
	10/31/2017	USPS PO 3117610450	AJ	GL	205183							7		7
	01/08/2018	shipping charges for TWSA	SYS	AP	214520	765997	FedEx	6-047-60129	Default Invoice			44		50
		TOTAL										50	0	50
200-28-990-7470		Printing & Publishing										Balance	Forward	0
	07/10/2017	marketing products	SYS	AP	187944	763861	W & T Graphix	25403	Default Invoice			2,506		2,506
	07/15/2017	tahoe tap banners	SYS	AP	190784	763912	Fastsigns #260202	July stmt	Default Invoice			44		2,550
	07/17/2017	xerox pmts	SYS	AP	187476	763661	EverBank Commercial Finance, Inc	4581063	Default Invoice			105		2,655
	07/27/2017	marketing products	SYS	AP	187912	763861	W & T Graphix	25480	Default Invoice			1,014		3,668
	07/27/2017	marketing products	SYS	AP	187940	763861	W & T Graphix	25480	Default Invoice				1,014	2,655
	08/17/2017	xerox copier lease	SYS	AP	191858	764022	EverBank Commercial Finance, Inc	4647754	Default Invoice			105		2,759
	09/17/2017	Contract# 40918921	SYS	AP	198203	764609	EverBank Commercial Finance, Inc	4713990	Default Invoice			105		2,864

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
18	10/17/2017	Oct. Pmt 40918921	SYS AP	203119		765062	EverBank Commercial Finance, Inc	4781224	Default Invoice			105		2,968
	11/17/2017	Nov.'17 pmt on C# 40918921 - xerox machi	SYS AP	208466		765563	EverBank Commercial Finance, Inc	4850820	Default Invoice			105		3,073
	11/20/2017	watershed supplies	SYS AP	207844		765520	Rick's AEC Reprographic s, Inc.	93460	Default Invoice			2,281		5,354
	12/01/2017	Office supplies	SYS AP	214487		766027	Rainbow Printing & Office Supplies, Inc.	53355	Default Invoice			118		5,472
	12/27/2017	Contract 40918921 Final Xerox Lease	SYS AP	211741		765775	EverBank Commercial Finance, Inc	4919766	Default Invoice			110		5,582
	12/30/2017	CN12777-01 Base 12/22-1/21/18	SYS AP	215298		766109	Sierra Office Solutions	IN84347	Default Invoice			63		5,645
	12/30/2017	CN12777-01 Base 12/22-1/21/18	SYS AP	215298		766109	Sierra Office Solutions	IN84347	Default Invoice			63		5,708
	01/17/2018	January 2018 lease pmt for Xerox copier,	SYS AP	216704		766158	EverBank Commercial Finance, Inc	4989733	Default Invoice			99		5,808
	01/31/2018	36 month maintenance contract for PW Adm	SYS AP	218242			Sierra Office Systems & Products	IN102029	Default Invoice	18-0156		62		5,870
	01/31/2018	36 month maintenance contract for PW Adm	SYS AP	218721			Sierra Office Systems & Products	IN102029	Default Invoice	18-0156			62	5,808
	01/31/2018	JAN. 2018 pmt for monthly maintenance co	SYS AP	218790		766329	Sierra Office Solutions	IN102029	Default Invoice	18-0204		62		5,870
	02/20/2018	February 2018 maintenance for PW Admin X	SYS AP	220727		766481	Sierra Office Solutions	IN112360	Default Invoice	18-0204		62		5,932
		TOTAL										7,008	1,076	5,932
200-28-990-7680		Training & Education										Balance	Forward	0
	08/31/2017	CA-NV SECTION, AWWA	AJ GL	195280								50		50
	09/30/2017	RESORT AT SQUAW CREEK	AJ GL	200548								308		358
	09/30/2017	INFINITE CONFERENCING	AJ GL	200548								45		403
	10/31/2017	INFINITE CONFERENCING	AJ GL	205183								41		444
	11/01/2017	On-call technical support services, TWSA	SYS AP	208104		765532	Water Quality & Treatment Solutions, Inc	17-2662	Default Invoice	17-0113		1,248		1,691
	01/27/2018	AWWA.ORG	AJ GL	219360								141		1,832
		TOTAL										1,832	0	1,832
200-28-990-7685		Travel & Conferences										Balance	Forward	0
	08/31/2017	INFINITE CONFERENCING	AJ GL	195280								9		9
	08/31/2017	RESORT AT SQUAW CREEK	AJ GL	195280								253		261
	09/30/2017	2017 AUG-SEP mileage	SYS AP	201824		764979	MADONNA DUNBAR	AUG-SEP 2017 mileage	Default Invoice			79		340
	10/31/2017	PARADISE POINT	AJ GL	205183								202		543

G/L#	EFFECTIVE DATE	DESCRIPTION	STPSOURCE	JE#	DEPOSIT	CHECK	VENDOR	VENDOR INVOICE#	INVOICE TYPE	PO	PROJECT	DEBIT	CREDIT	BALANCE
		RESORT												
	12/07/2017	travel expenses	SYS AP	210826		765734	Sarah Vidra	12072017	Default Invoice			621		1,164
	12/31/2017	INFINITE	AJ GL	214265								68		1,231
	12/31/2017	CONFERENCING CA-NV SECTION, AWWA	AJ GL	214265								198		1,429
	01/27/2018	INFINITE CONFERENCING TOTAL	AJ GL	219360								83		1,511
200-28-990-7840		Telephone										1,511	0	1,511
	09/29/2017	1st QTR Stipend 2017-18	SYS AP	197010		764515	MADONNA DUNBAR	1st QTR Stipend 2017	Default Invoice			48	Forward	0
	12/18/2017	Cell Phone Stipend Quarter Ending 12/31/ TOTAL	SYS AP	211168		765813	MADONNA DUNBAR	12312017	Default Invoice			48		96
200-28-990-7980		Central Services Allocation Cs										96	0	96
	07/31/2017	Record Central Svc Cost Alloc Jul 2017	AJ GL	188297								500	Forward	0
	08/31/2017	Record Central Svc Cost Alloc Aug 2017	AJ GL	192952								500		1,000
	09/30/2017	Record Central Svc Cost Alloc September 2017	AJ GL	198365								500		1,500
	10/31/2017	Record Central Svc Cost Alloc October 2017	AJ GL	203749								500		2,000
	11/30/2017	Record Central Svc Cost Alloc November 2017	AJ GL	207805								500		2,500
	12/31/2017	Record Central Svc Cost Alloc 12/01-12/31/17	AJ GL	212591								500		3,000
	01/31/2018	Record Central Svc Cost Alloc Jan 2018 TOTAL	AJ GL	217218								500		3,500
		GRAND TOTAL										95,902	182,897	86,995 CR

TWSA Board and Organizational Goals:

The TWSA Board conducts annual goal setting and review.

Below are the 2017-18 Goals set at the 3/9/2017 TWSA Board Meeting.

Goals:

- 1. Continue and increase emphasis on extensive education and outreach on focus topics of source water protection, AIS threats/ treatment methods used for AIS, and value of municipal tap water.**
- 2. Continue outreach and advocacy efforts for federal infrastructure funding, especially for fire flow capacity.**
- 3. Continue a strong communication relationship with Tahoe Regional Planning Agency (TRPA), Nevada Department of Environmental Protection (NDEP), Lahontan Regional Water Quality Control Board (LRWQCB) and other regulatory agencies on source water protection.**
- 4. Maintain and improve project review involvement process with TRPA, NV State Lands, and other planning/regulatory agencies.**
- 5. Utilize regional studies/projects to determine how they affect source water quality. Continue to work with LTWIP as appropriate.**

2018-2019 TWSA BUDGET WORKSHEET (200.28.99)

	2018-19 PROPOSED	2017-18 Approved
Paid Advertising		
ADS: TV/Radio/Print	\$ 6,000	6,000
Tahoe In Depth Sponsorship (\$500 x 2)	\$ 1,000	1,000
Earth Day event (North and South Shore) sponsorships (\$500 each)	\$ 1,000	1,000
Conference sponsorships	\$ 1,500	1,500
State of the Lake Report Sponsorship	\$ 2,500	2,500
Total:	\$ 12,000	12,000
Office Supplies		
Monthly Xerox machine costs,		
Board materials, brochures, in-house printing	\$ 1,400	1,400
Total:	\$ 1,400	1,400
Operating General		
TWSA staff uniforms / member logo trademarked clothing	\$ 1,000	1,000
Water Bottles / Water pouches	\$ 10,000	10,000
Board meeting hospitality (15 lunches @\$15/head x 4 meetings)	\$ 900	900
Monitoring Supplies	\$ 600	600
Snapshot Day	\$ 800	800
Scholarship Fund (4 x \$500)	\$ 2,000	2,000
Dog Waste Campaign (bags, small dispensers)	\$ 2,500	2,500
Booth fees and event supplies	\$ 1,000	1,000
Total:	\$ 18,800	18,800
Postage Annual Report and general correspondence		
Total:	\$ 200	200
Central Office Services /Internet		
IVGID central office services (monthly @ \$500 x 12)	\$ 6,000	6,000
Freezepage software (public records archive TWSA webpages)	\$ 600	600
Total:	\$ 6,600	6,600
Printing / Publishing		
'Drink Tahoe Tap' stickers	\$ 6,000	6,000
Annual Report Printing (outsourced)	\$ 2,500	2,500
Watershed Protection signs	\$ 1,000	1,000
Total:	\$ 9,500	9,500
Reserve / Misc		
Memberships /resource materials		
Education Course Sponsorship		-
Risk Assessment/Legal/Consultants	\$ 15,000	20,000
Total:	\$ 15,000	20,000
Travel / Conferences		
Annual Mileage - personal vehicles	\$ 1,000	1,500
Regional Conference	\$ 1,000	500
Conference call service for meetings	\$ 500	500
Total:	\$ 2,500	2,500

Grand Total Operating:	\$ 66,000	71,000
Total Budgeted Salary and Benefits (MOD & SGV)	\$ 79,778	74,000
1351 combined hours, annual (MOD&SGV)		
\$44,321 base salaries x 1.8 benefits factor = \$79,777.15 ROUNDED TO \$79,778		
Total Annual Budget (Operating & Salaries)	\$ 145,778	145,000
STPUD Fee @ full membership (10% of total budget)	\$ (14,578)	14,500
Members Cost share TOTAL minus STPUD fee	\$ 131,200	
IVGID Share	\$ (31,854)	
Total fees all other members	\$ 99,346	

REFERENCE:

Shared Costs are 25% staff/75% operating

Dependent Costs are 75% staff/25% operating

TWSA Program Expenses

Cat	Description	Budget
Staff Total		\$ 79,778
Op Exp Total		\$ 66,000
Grand Total Budget		\$ 145,778
STPUD 10% Share		\$ (14,578)
		\$ 131,200
	SubTotal Staff	\$ 79,778
	SubTotal Operating Costs	\$ 66,000
	Shared Costs (25% staff 75% operating)	\$ 69,445
	Dependent Costs (75% staff 25% operating)	\$ 76,334

10% STPUD SHARED/ DEPENDENT DEDUCTION AMOUNTS

\$	6,944
\$	7,633
\$	14,578

BALANCE of member fees to share

\$	62,500	shared
\$	68,700	dependent
		STPUD total
\$	131,200	Total to be shared

		TOTAL TO
Shared	\$62,500	SHARE
Depend	\$68,700	\$131,200

2018-2019 TWSA Cost Share (PROPOSED) based on 3 year average / production daily flow

	Shared Costs	Dependent Costs	Avg Daily Flow gpd	Member cost share	% of Total	Shared Cost	Depend Cost	Flow Ratio	Previous Year Fees
Incline Village General Improvement District	9.10%	38.09%	2,855,530	\$ 31,854	24.28%	\$5,687.50	\$ 26,166.24	0.381	\$ 29,781
Kingsbury General Improvement District	9.09%	10.27%	770,150	\$ 12,738	9.71%	\$5,681.25	\$ 7,057.16	0.103	\$ 12,876
Round Hill General Improvement District	9.09%	2.50%	187,384	\$ 7,398	5.64%	\$5,681.25	\$ 1,717.07	0.025	\$ 7,619
Edgewood Water Company	9.09%	7.53%	564,663	\$ 10,855	8.27%	\$5,681.25	\$ 5,174.21	0.075	\$ 11,313
Zephyr Water Utility	9.09%	3.40%	255,267	\$ 8,020	6.11%	\$5,681.25	\$ 2,339.10	0.034	\$ 7,954
Glenbrook Water Company	9.09%	3.76%	282,128	\$ 8,266	6.30%	\$5,681.25	\$ 2,585.24	0.038	\$ 8,128
Tahoe City Public Utility District	9.09%	12.86%	964,287	\$ 14,517	11.07%	\$5,681.25	\$ 8,836.10	0.129	\$ 15,083
Skyland	9.09%	3.10%	232,243	\$ 7,809	5.95%	\$5,681.25	\$ 2,128.13	0.031	\$ 7,664
Cave Rock	9.09%	3.10%	232,243	\$ 7,809	5.95%	\$5,681.25	\$ 2,128.13	0.031	\$ 7,664
Lakeside Park Association	9.09%	1.2%	89,000	\$ 6,497	4.95%	\$5,681.25	\$ 815.54	0.012	\$ 6,859
North Tahoe Public Utility District	9.09%	14.20%	1,064,359	\$ 15,434	11.76%	\$5,681.25	\$ 9,753.10	0.142	\$ 15,559
Total	100.00%	100.00%	7,497,254	\$ 131,200	100.00%	\$62,500.00	\$ 68,700.00	1	

Total Budget	145,778
STPUD (10% OF TOTAL BUDGET)	\$ (14,578)
Budget (minus STPUD fee) Total to Share	\$ 131,200
IVGID share	\$ (31,854)
Total other agencies shares (less IVGID/less STPUD)	\$ 99,346

Project	Task	LABOR EST. Staff	
		Res Con	Res. Tech.
		(MOD)	(SGV)
Data Management			
	climatological events		8
	treatment changes	5	
	Monthly data	5	40
	Track Research in Tahoe	50	10
	Monitor Regional Planning efforts	50	0
Watershed Monitoring			
	Beachsampling / lab logistics	0	25
	Snapshot Day / volunteer sampling events	20	40
	Research grants	5	10
	Maintain purveyor database ; monthly Turb and Coli.	0	70
	Coordinate with Stakeholders	50	30
Public Education			
	Prepare print, news, radio ads, press releases	20	10
	Update Website	20	0
	Attend applicable meetings	50	50
	Prepare and complete presentations	10	15
	Prepare community event booths and attend events	60	100
	Develop/Distribute Educational Info	40	20
	Review / research other programs	10	10
WQ & WC			
	Develop universal education outreach materials	10	10
	Publishing / printing	10	10
	Distribute wcp material	10	15
	Research wc grants and other programs	10	10

	Submit collaborative grant requests	10	10	
Annual Report / Risk Assessment				
	Prepare Maps	5	40	
	Research including: spills recreation, fire, EIP, forest service changes, county purchases etc.	40	15	
	Review/ Risk Assessments	10	40	
	Prepare Annual Report	100	70	
	Hardcopy & Digital Publishing - Annual Report	30	10	
Administration				
	Prepare Agendas	20		
	Prepare Meeting Minutes	10	40	
	Coordinate Board	20		
	Prepare Board Packets and Distribute	20		
	Prepare Annual Budget	10		
	Maintain Files	10		
	Manage Agreements	5		
	Billing/Budget prep/tracking	15		
	Education/Training	10	10	
	WQ Protection tracking / letters	40	20	
	subtotal estimate staff hours	790	738	1528
Total Staff Hours	IVGID **** BUDGETED HOURS*****	665	686	1351
	Wages (updated to new estimated rate for 2018-19)	\$37.00	\$28.74	
		\$ 24,605	\$ 19,716	
	Salary Multiplier x 1.8	1.8	1.8	
	Total Staff Costs	\$44,289	\$ 35,488	\$79,777

Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 06/30/17 draft. Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 01/18/18 Proposed Final Part 3 of the ISWEBE.

~~Draft~~ Revised Proposed Final
Part 3 of the Water Quality Control Plan
for Inland Surface Waters,
Enclosed Bays, and Estuaries of
California—Bacteria Provisions and a
Water Quality Standards Variance
Policy

~~June 30, 2017~~
~~January 18, 2018~~
January 26, 2018

Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 06/30/17 draft. Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 01/18/18 Proposed Final Part 3 of the ISWEBE.

[The entirety of the following text, except the italicized annotations, is proposed to be adopted as Part 3 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California—Bacteria Provisions and a Water Quality Standards Variance Policy (Part 3). Part 3 would constitute new regulatory language. Several editorial revisions may be made, including but not limited to appropriate changes to the title page, table of contents, appendices, page numbers, table and figure numbers, footnote numbers, and headers and footers, when Part 3 is incorporated into the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California (the ISWEBE Plan)¹.]

II. BENEFICIAL USES

[Proposed text to be added to Chapter II (Beneficial Uses) of the ISWEBE Plan.]

The Regional Water Quality Control Boards (Regional Water Boards) shall use the following beneficial use and abbreviation listed below to the extent such activities are defined in a water quality control plan after *[insert effective date of Part 3]*:

Limited Water Contact Recreation (LREC-1): Uses of water that support limited recreational activities involving body contact with water, where the activities are predominantly limited by physical conditions ~~**such as very shallow water depth or restricted access**~~ and, as a result, body contact with water and ingestion of water is infrequent or insignificant.

III. WATER QUALITY OBJECTIVES

[Proposed text to be added to Chapter III (Water Quality Objectives) of the ISWEBE Plan.]

E. Bacteria

1. Applicability

Chapter III.E.2 establishes water quality objectives for reasonable protection of people that recreate within all surface waters, enclosed bays, and estuaries of the state that have the water contact recreation beneficial use (REC-1).¹

2. Bacteria Water Quality Objectives

Chapter III.E.2 contains ~~**two**~~ **three** BACTERIA WATER QUALITY OBJECTIVES applicable to waters with the REC-1 beneficial use, depending on the ~~**location or**~~ salinity level, as discussed below (see Table 1).

¹ As of ~~**the effective date of Part 3 of the ISWEBE**~~ **[insert effective date of Part 3]** the effective date of Part 3 of the ISWEBE, the BASIN PLAN (p. 3-4) for the Lahontan Regional Water Board contains fecal coliform bacteria water quality objectives that are generally applicable to all surface waters within the region and not expressly established for the reasonable protection of the REC-1 beneficial use. Part 3 of the ISWEBE establishes numeric bacteria water quality objectives for the REC-1 beneficial use and, therefore, would apply to applicable waters within the Lahontan region that have the REC-1 beneficial use and ~~**does**~~ not supersede the fecal coliform bacteria objectives.

Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 06/30/17 draft. Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 01/18/18 Proposed Final Part 3 of the ISWEBE.

E. coli

The bacteria water quality objective for all waters, ~~except Lake Tahoe,~~ where the salinity is **equal to or** less than ~~10~~ parts per thousand (ppt) 95 percent or more of the time during the CALENDAR YEAR² is: a six-week rolling GEOMETRIC MEAN of *Escherichia coli* (*E. coli*) not to exceed 100 colony forming units (**cfu**) per 100 milliliters (~~cfu/100mL~~), calculated weekly, and a STATISTICAL THRESHOLD VALUE (STV) of 320 cfu/100 mL not to be exceeded **by** more than 10 percent of the **samples collected in a single monthtime, calculated monthly.**

~~The bacteria water quality objective for Lake Tahoe is: a six-week rolling GEOMETRIC MEAN of *E. coli* not to exceed of 17 cfu/100 mL, calculated weekly, and a STV of 55 cfu/100 mL not to be exceeded more than 10 percent of the time, calculated monthly.~~

United States Environmental Protection Agency (U.S. EPA) recommends using U.S. EPA Method 1603 (U.S. EPA, 2002b) or other equivalent method to measure culturable *E. coli*.

Enterococci

The bacteria water quality objective for all waters where the salinity is ~~equal to or~~ greater than ~~10~~ ppt **9 more than** 5 percent ~~or more~~ of the time during the CALENDAR YEAR is: a six-week rolling GEOMETRIC MEAN of enterococci not to exceed 30 cfu/100 mL, calculated weekly, with a STV of 110 cfu/100 mL not to be exceeded more than 10 percent of the time, calculated monthly.

U.S. EPA recommends using U.S. EPA Method 1600 (U.S. EPA, 2002a) or other equivalent method to measure culturable enterococci.

Water Quality Standards Assessment

When applying the listing and delisting factors contained in the Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List, the GEOMETRIC MEAN and STV shall be used as follows, unless a situation-specific weight of the evidence factor is being applied: To determine attainment of the *E. coli* and enterococci BACTERIA WATER QUALITY OBJECTIVES, Only the GEOMETRIC MEAN values shall be applied based on a statistically sufficient number of samples, which is generally not less than five samples **equally spaced distributed over a six-week period. **However, if** a statistically sufficient number of samples **isare** not available to calculate the GEOMETRIC MEAN, then attainment of the water quality standard shall be determined based **only** on the STV.**

² Terms in "ALL CAPS" font (except abbreviations) are defined in the Glossary, Attachment A.

Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 06/30/17 draft. Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 01/18/18 Proposed Final Part 3 of the ISWEBE.

Table 1 – REC-1 Bacteria Water Quality Objectives

Applicable Waters	Objective Elements	Estimated Illness Rate (NGI): 32 per 1,000 water contact recreators	
		Magnitude	
	Indicator	GM (cfu/100 mL)	STV (cfu/100 mL)
All waters, except Lake Tahoe, where the salinity is <u>equal to or</u> less than 10 ppth 95 percent or more of the time	<i>E. coli</i>	100	320
Lake Tahoe	<i>E. coli</i>	47	55
All waters, where the salinity is equal to or greater than 10 ppth <u>9 more than</u> 5 percent or more of the time	Enterococci	30	110

The waterbody GM shall not be greater than the applicable GM magnitude in any six-week interval, calculated weekly. The applicable STV shall not be exceeded **by** more than 10 percent of the **samples collected in a single month's** time, ~~calculated monthly.~~

NGI = National Epidemiological and Environmental Assessment of Recreational Water gastrointestinal illness rate GM = geometric mean ppth = parts per thousand
STV = statistical threshold value
cfu = colony forming units
mL = milliliters

3. Interaction of Bacteria Water Quality Objectives with Basin Plans

The BACTERIA WATER QUALITY OBJECTIVES supersede ~~any~~ numeric water quality objectives ~~s~~ for bacteria for the REC-1 beneficial use contained in a BASIN PLAN **prior to [insert the effective date of Part 3].** The BACTERIA WATER QUALITY OBJECTIVES do not supersede any **narrative water quality objective or site-specific numeric SITE-SPECIFIC WATER QUALITY OBJECTIVE water quality objective** for bacteria established for the REC-1 beneficial use ~~before or after [insert the effective date of Part 3].~~

Total maximum daily loads (TMDLs) established before ~~[insert prior to the effective date of Part 3]~~ to implement numeric water quality objectives for bacteria are in effect for numerous waterbodies throughout the state. **Such TMDLs remain in effect where a BACTERIA WATER QUALITY OBJECTIVE supersedes a water quality objective for bacteria for which the TMDL was established.** A Regional Water ~~Quality Control~~

Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 06/30/17 draft. Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 01/18/18 Proposed Final Part 3 of the ISWEBE.

Board may convene a public meeting to evaluate the effectiveness of the TMDL in attaining the BACTERIA WATER QUALITY OBJECTIVES.

IV. IMPLEMENTATION

[Proposed text to be added to Chapter IV (Implementation) of the ISWEBE PLAN.]

E. Bacteria

1. Applicability of Bacteria Water Quality Objectives

~~Any of t~~**he** BACTERIA WATER QUALITY OBJECTIVES shall be implemented, where applicable, through National Pollutant Discharge Elimination System (NPDES) permits issued pursuant to section 402 of the Clean Water Act, water quality certifications issued pursuant to section 401 of the Clean Water Act, waste discharge requirements (**WDRs**), and waivers of ~~**WDRs waste discharge requirements, except to discharges for which load allocations or waste load allocations are assigned by a TMDL established before [insert the effective date of Part 3].**~~ **However, where a permit, WDR, or waiver of WDR includes an effluent limitation or discharge requirement derived from a water quality objective, guideline, or other requirement to control bacteria that is a more stringent value than the applicable BACTERIA WATER QUALITY OBJECTIVE, the BACTERIA WATER QUALITY OBJECTIVE shall not be implemented in the permit, WDR, or waiver of WDR.**

The GEOMETRIC MEAN **and the STV** contained in the applicable BACTERIA WATER QUALITY OBJECTIVES shall be **strictly** applied in all circumstances, ~~**including except**~~ in the context of a TMDL, ~~**established after [insert the effective date of Part 3].**~~ ~~**The STV contained in the applicable BACTERIA WATER QUALITY OBJECTIVES shall be strictly applied in all circumstances, except in the context of a TMDL.**~~ In the context of a TMDL, Regional Water **Quality Control** Boards may implement ~~**the applicable an alternative**~~ **STV or GEOMETRIC MEAN, or both,** by using a reference system/anti-degradation approach or natural sources exclusion approach.

2. Natural Sources of Bacteria

a. Applicability

The implementation ~~**provisions procedures**~~ contained in Chapter IV.E.2 apply to **municipal storm water discharges regulated pursuant to Clean Water Act section 402(p) and** non-point source discharges except on-site wastewater treatment system discharges, ~~**and storm water discharges regulated pursuant to section 402(p) of the Clean Water Act except industrial storm water discharges, and may only be implemented within the context of a TMDL.**~~ **These implementation provisions do not apply to NPDES discharges other than municipal storm water discharges.**

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b. Reference System/Antidegradation Approach and Natural Sources Exclusion Approach

~~TMDLs include waste load allocations for point sources, load allocations for nonpoint sources, and natural background levels to identify and enumerate each individual source.~~

In the context of a TMDL developed to attain the BACTERIA WATER QUALITY OBJECTIVES, a reference system/antidegradation approach may be utilized to ensure: (1) bacteriological water quality is at least as good as that of an applicable REFERENCE SYSTEM, and (2) no degradation of existing water quality is allowed when the existing water quality is better than the REFERENCE SYSTEM. In such circumstances, the TMDL may include a certain frequency of exceedance of the applicable BACTERIA WATER QUALITY OBJECTIVES ~~STV~~ based on the observed exceedance frequency in the applicable REFERENCE SYSTEM or the targeted water body, whichever is less.

In the context of a TMDL developed to attain the BACTERIA WATER QUALITY OBJECTIVES, a natural source exclusion approach may be utilized after all anthropogenic sources of bacteria are identified, quantified, and controlled. In such circumstances, the TMDL may include a certain frequency of exceedance of the applicable BACTERIA WATER QUALITY OBJECTIVES ~~STV~~ based on the observed exceedance frequency of the identified and quantified natural sources of bacteria of the targeted water body.

3. High Flow Suspension of the Water Contact Recreation (REC-1) Beneficial Use

A WATER BOARD may adopt a high flow suspension of the water contact recreation (REC-1) beneficial use that reflects water conditions considered unsafe for the REC-1 beneficial use due to high water flow or velocity. A rain-fall measure, flow measure, or other requirements shall be established by the WATER BOARD to describe specific conditions during which the high flow suspension would apply. To adopt a high flow suspension of the REC-1 beneficial use, the WATER BOARD must conduct a **USE ATTAINABILITY ANALYSIS**~~use attainability analysis as described in 40 Code of Federal Regulations sections 131.3(g) and 131.10(g)~~. A WATER BOARD's adoption of a high flow suspension of the REC-1 beneficial use is subject to review and approval by the State Water Board (if the adopting WATER BOARD is a Regional Water Board) and U.S. EPA.

If a high flow suspension of the REC-1 beneficial use is adopted, the **BACTERIA WATER QUALITY OBJECTIVE**~~bacteria water quality objectives~~ for the REC-1 beneficial use **does** not apply during the period of time that the REC-1 use is suspended; however, during all other times outside of the period of the high flow suspension, the **BACTERIA WATER QUALITY OBJECTIVE**~~bacteria water quality objectives~~ for the REC-1 use ~~applies~~~~Bacteria water quality objectives for All~~ other applicable **public health-related** beneficial uses **need to be protected during the period of the high flow suspension, including noncontact water recreation (REC-2), remain in effect.**

Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 06/30/17 draft. Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 01/18/18 Proposed Final Part 3 of the ISWEBE.

4. Seasonal Suspension of the Water Contact Recreation (REC-1) Beneficial Use

A WATER BOARD may **adopt a seasonal suspension of** ~~**suspend**~~ the water contact recreation (REC-1) beneficial use to reflect water conditions considered inapplicable or unsafe for the REC-1 beneficial use due to low water flows, low water temperatures, or conditions that freeze water. A flow measure, water temperature measure, or other condition(s) shall be established by the WATER BOARD to describe specific conditions during which the seasonal suspension would apply. To ~~**suspend**~~ **adopt a seasonal suspension of** the REC-1 beneficial use, the WATER BOARD must conduct a **USE ATTAINABILITY ANALYSIS** ~~**use attainability analysis as described in in 40 Code of Federal Regulations sections 131.3(g) and 131.10(g)**~~. A WATER BOARD's adoption of a seasonal suspension of the REC-1 beneficial use is subject to review and approval by the State Water Board (if the adopting WATER BOARD is a Regional Water Board) and U.S. EPA.

If a seasonal suspension of the REC-1 beneficial use is adopted, the ~~**BACTERIA WATER QUALITY OBJECTIVE**~~ ~~**bacteria water quality objectives**~~ for the REC-1 beneficial use ~~**does**~~ not apply during the period of the seasonal suspension; however, during all other times outside of the period of the seasonal suspension, the ~~**BACTERIA WATER QUALITY OBJECTIVE**~~ ~~**bacteria water quality objectives**~~ for the REC-1 use ~~**applies**~~. ~~**Bacteria water quality objectives for All**~~ other applicable ~~**public health-related**~~ beneficial uses ~~**need to be protected during the period of the seasonal suspension, including noncontact water recreation (REC-2), remain in effect.**~~

5. Limited Water Contact Recreation (LREC-1) Designation

A WATER BOARD may designate a water body or water body segment(s) with the Limited Water Contact Recreation (LREC-1) beneficial use. A WATER BOARD must conduct a **USE ATTAINABILITY ANALYSIS** ~~**use attainability analysis as described in 40 Code of Federal Regulations sections 131.3(g) and 131.10(g)**~~ if application of the LREC-1 beneficial use requires a less stringent water quality objective for bacteria than the previously applicable ~~**BACTERIA WATER QUALITY OBJECTIVE**~~ ~~**bacteria water quality objective**~~ for the REC-1 use. A WATER BOARD's designation of the LREC-1 beneficial use is subject to review and approval by the State Water Board (if the adopting WATER BOARD is a Regional Water Board) and U.S. EPA.

F. WATER QUALITY STANDARDS VARIANCES

Federal regulations establish an explicit regulatory framework for the adoption of a water quality standards variance (WQS VARIANCE) that states may use to implement adaptive management approaches to improve water quality (40 C.F.R. § 131.14 ~~**(herein referred to as the federal rule).**~~ ~~**As a result, a WATER BOARD may adopt a WQS VARIANCE in accordance with the federal rule. A WATER BOARD is not required to adopt specific authorizing provisions into state law before establishing a WQS VARIANCE consistent with the federal rule. The following explains the existing requirements that**~~

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a WATER BOARD must follow to establish a WQS VARIANCE consistent with the federal rule.

Under the federal rule, a WQS VARIANCE may be adopted for one or more NPDES dischargers or for a water body or waterbody segment, but the WQS VARIANCE only applies to the discharger(s) or the water body or waterbody segment specified in the WQS VARIANCE.

The federal rule specifies that any WQS VARIANCE is not effective unless and until it is approved by ~~subject to U.S. EPA review and approval or disapproval.~~ The federal rule also specifies that a WQS VARIANCE is subject to the public participation requirements at 40 Code of Federal Regulations section 131.20(b), which requires that one or more public hearings be held in accordance with state law and U.S. EPA's public participation regulation (40 C.F.R. part 25).

Where a discharger-specific WQS VARIANCE is established ~~by~~ for a single permit, including an individual permit or a general permit, or other order, the federal rule's public participation requirements ~~may~~ must be satisfied, and the provisions in the permit or other order that rely upon the discharger-specific WQS VARIANCE must be conditioned upon U.S. EPA approval in accordance with the notice and hearing requirements applicable to adopting an NPDES permit (Wat. Code, § 13378). Because the establishment ~~adoption~~ of a discharger-specific WQS VARIANCE in such a permit or other order is not the establishment or revision of a rule, the permit action need not be accompanied by a rulemaking action. The applicable hearing requirement for any other WQS VARIANCE would be subject to the hearing requirement and other procedures applicable to revising a water quality control plan, which are consistent with the federal rule's public participation requirements.

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Attachment A. Glossary

BACTERIA WATER QUALITY OBJECTIVE(S): The bacteria water quality objectives set forth in Chapter III.E.2.

BACTERIA PROVISIONS: The Limited Water Contact Recreation (LREC-1) beneficial use contained in Chapter II, the BACTERIA WATER QUALITY OBJECTIVES contained in Chapter III, and the implementation sections contained in Chapter IV.

CALENDAR YEAR: A period of time defined as twelve consecutive CALENDAR MONTHS.

CALENDAR MONTH(S): A period of time from a day of one month to the corresponding day of the next month if such exists, or if not to the last day of the next month (e.g., from January 3 to February 3 or from January 31 to February 29).

BASIN PLAN: Also known as a water quality control plan, a basin plan consists of a designation or establishment for the waters within a specified area of all of the following: (1) beneficial uses to be protected, (2) water quality objectives, and (3) a program of implementation needed for achieving water quality objectives.

GEOMETRIC MEAN (GM): ~~In mathematics, t~~The geometric mean is a type of mean or average ~~that, which~~ indicates the central tendency or typical value of a set of numbers by using the product of their values (as opposed to the arithmetic mean which uses their sum). The geometric mean is defined as the n th root of the product of n numbers. **The formula is expressed as: $GM = \sqrt[n]{(x_1)(x_2)(x_3) \dots (x_n)}$, where x is the sample value and n is the number of samples taken.**

REFERENCE SYSTEM: ~~A reference system is an area and associated monitoring that is not impacted by human activities that potentially affect bacteria densities in the receiving waterbody. A watershed or water body segment determined by the WATER BOARD to be minimally disturbed by anthropogenic stressors but otherwise is representative of conditions of the assessed site, watershed, or water body segment.~~

SITE-SPECIFIC WATER QUALITY OBJECTIVE: **A water quality objective that reflects site-specific conditions. It may be appropriate to develop a water quality objective for a site when it is determined that the otherwise applicable objective is inappropriate for the water body (i.e., based on site-specific conditions the applicable objective does not protect the beneficial use or a less stringent objective is warranted).**

STATISTICAL THRESHOLD VALUE (STV): The STV **for the BACTERIA WATER QUALITY OBJECTIVES is a set value that** approximates the 90th percentile of the water quality

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Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 06/30/17 draft. Reflecting **bold-underline** additions and ~~**bold-strikeout**~~ deletions to the 01/18/18 Proposed Final Part 3 of the ISWEBE.

distribution of a bacterial population ~~**that shall not be exceeded by more than 10 percent of the samples taken.**~~ **For the BACTERIA WATER QUALITY OBJECTIVES, the STV for *E. coli* is 320 cfu/100 mL and the STV for enterococci is 110 cfu/100mL.**

USE ATTAINABILITY ANALYSIS: A structured scientific assessment of the factors affecting the attainment of a water body's designated use, including physical, chemical, biological, and economic factors, in accordance with 40 Code of Federal Regulations section 131.10(g).

WATER BOARD(S): The individual or collective regulatory entity **or entities** consisting of the State Water Resources Control Board and/or the nine Regional Water Quality Control Boards.

WQS VARIANCE(**S**): A water quality standards variance, as defined by 40 Code of Federal Regulations section 131.3(o), is a time-limited designated use and criterion for a specific pollutant(s) or water quality parameter(s) that reflect the highest attainable condition during the term of the **WQS water quality standards** variance.