Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY

AGENDA

BOARD OF DIRECTORS MEETING

ELSINORE VALLEY MUNICIPAL WATER DISTRICT
31315 Chaney Street
Lake Elsinore, California 92531
951.674.3146 (EVMWD) / 951.354.4220 (LESJWA)

Thursday, April 19, 2018 – 4:00p.m.

CALL TO ORDER/PLEDGE OF ALLEGIANCE (Chair Robert Magee)

ROLL CALL: __SAWPA __EVMWD __CITY OF LAKE ELSINORE __CITY OF CANYON LAKE __COUNTY OF RIVERSIDE

PUBLIC COMMENTS:

Members of the public may address the Board on any item that is within the Board's jurisdiction; however, no action may be taken on an item appearing on the agenda unless the action is otherwise authorized by Subdivision (b) Section 54954.2 of the Government Code. Members of the public are requested to provide a public comment notice card to the Board Clerk prior to the meeting in order to speak. The public is given a maximum of five minutes to speak on an issue following discussion of an agenda item.

CONSENT CALENDAR

Consent Calendar items are considered routine and non-controversial, to be acted upon by the Board at one time without discussion. If a Board member or staff member requests that an item be removed from the Consent Calendar, the item will become the first item of business on the agenda.

1.0 **MINUTES**……3
RECOMMENDATION: Approve the Minutes of the Board of Directors meeting held December 21, 2017.

1.1 **TREASURER'S REPORTS**……..9
RECOMMENDATION: Receive and file financial statements from November and December 2017, and January and February 2018.

1.2 **COMMITTEE STATUS REPORT**……..**33**
RECOMMENDATION: Receive and file a status report from the Education and Outreach Committee meeting held on Jan. 9, 2018 and March 26, 2018.

1.3 **TMDL TASK FORCE REPORT**……..59
RECOMMENDATION: Receive and file a status report from the Lake Elsinore and Canyon Lake TMDL Task Force meetings held on January 17, 2018 and February 14, 2018.

End of Consent Calendar

2.0 **ELECTION OF OFFICERS (Memo 826)**.....65
RECOMMENDATION: Nominate and approve the officers of the LESJWA Board for a two-year term through December 31, 2019.

3.0 **FY 2018-2019 LESJWA BUDGET (Memo 827)**.....67
RECOMMENDATION: Approve the FY 2018-2019 LESJWA budget and invoice each LESJWA member agency at the start of the new fiscal year based on contributions levels as reflected in the budget.

4.0 **LAKE ELSINORE & CANYON LAKE NUTRIENT TMDL COMPLIANCE MONITORING PROGRAM (Memo 828)**.....89.
RECOMMENDATION: Authorize Task Order No. AMEC160-04 with AMEC Foster Wheeler Environment & Infrastructure, Inc. for an amount not-to-exceed $176,110/year for a two-year task order to oversee and implement the FYs 2018-2020 nutrient TMDL Compliance monitoring program for the Lake Elsinore and Canyon Lake Nutrient Total Maximum Daily Load (TMDL) Task Force.

5.0 **2018 LESJWA WATER SUMMIT (Memo 829)**..... 103
RECOMMENDATION: Receive and file a status report about LESJWA's Water Summit held on April 18, 2018.

6.0 **TEMESCAL CANYON HIGH SCHOOL PRESENTATION (Memo 830)**.....105
RECOMMENDATION: Receive and file a status report about LESJWA's presentation to a student assembly at the Temescal Canyon High School on January 24, 2018.

7.0 **LESJWA/LEAPS DISCUSSION (3/26/18 Letter)**.....109.
RECOMMENDATION: Discuss with possible staff direction.

8.0 **ADMINISTRATOR'S COMMENTS**

9.0 **DIRECTORS' COMMENTS**

10.0 **ADJOURN**

NEXT BOARD OF DIRECTORS MEETING: Thursday, June 21, 2018 at 4:00 p.m.

Meeting Materials related to items on this Agenda submitted to the Board after distribution of the agenda packet, are available to the public during regular business hours at the Authority's headquarters: 11615 Sterling Avenue, Riverside, CA 92503.

ADA Compliance: Any person with a disability who requires accommodation in order to participate in this meeting may contact the Board Clerk, Dawna Munson at 951.354.4247, at least 48 hours prior to the meeting to request a disability-related modification.

Declaration of Posting
I, Dawna Munson, Board Clerk for the Lake Elsinore & San Jacinto Watersheds Authority (LESJWA), declare that on April 13, 2018, a copy of this notice had been posted in the Administering Authority's office located at 11615 Sterling Ave., Riverside CA, and on its website at www.sawpa.org.

/S/

MINUTES OF THE
REGULAR BOARD OF DIRECTORS MEETING
OF THE
LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY

December 21, 2017

DIRECTORS PRESENT	**REPRESENTING**
Robert Magee, Chair	City of Lake Elsinore
Vicki Warren	City of Canyon Lake
Kevin Jeffries	County of Riverside
Brenda Dennstedt	Santa Ana Watershed Project Authority

DIRECTORS ABSENT	
Phil Williams	Elsinore Valley Municipal Water District

OTHERS PRESENT	
Alex Gann	County of Riverside
Nicole Dailey	City of Lake Elsinore
David Jensen	CDM Smith
Liselle DeGrave	DeGrave Communications
Trip Hord	CR&R

LESJWA STAFF	
Mark Norton	LESJWA Authority Administrator
Karen Williams	LESJWA/SAWPA Chief Financial Officer
Dawna Munson	LESJWA Board Clerk

The Regular Board of Directors meeting of the Lake Elsinore and San Jacinto Watersheds Authority was called to order at 4:00 p.m., by Chair Robert Magee at the Elsinore Valley Municipal Water District, located at 31315 Chaney Street, Lake Elsinore, California. Chair Magee asked for roll call. Representation from four of the five member agencies was duly noted by the Board Clerk.

Chair Magee asked if there were any comments from members of the public wishing to address the Board on matters within its jurisdiction. There were no public comments.

1.0: CONSENT CALENDAR

Chair Magee said that before presenting the Consent Calendar for approval, he first wanted to comment on Item 1.2, the 10-17-17 Minutes. He noted that the teacher at Temescal Canyon High School did reach out to him and reported that the students did that (sent letters to local officials) all on their own. When staff engages with the teacher, we need to make sure the school board is engaged as well.

Upon motion by Director Dennstedt, seconded by Director Warren, the motion unanimously carried.

2017/12-1
MOVED, approval of the Consent Calendar including the Minutes from the October 19, 2017 Board Meeting, the Lake Elsinore/ Canyon Lake TMDL Task Force Meeting Notes from October 19, 2017, and the meeting notes from the October 17, 2017 Education & Outreach meeting.

with the following vote:

Ayes:	Dennstedt, Jeffries, Magee, Warren
Noes:	None
Absent:	Williams
Abstain:	None

2.0: Report on Audit for FY Ending June 30, 2017 (Memo #LES821)
Karen Williams, CFO for SAWPA and LESJWA, said she is requesting that the Board receive and file the Audit Report and have staff distribute it to the respective government agencies as required by law. LESJWA received a clean audit with no qualifying opinions. She had reviewed the audit with each of the member agencies' finance personnel.

This was the third year of utilizing the services of auditing firm White, Nelson, Diehl, Evans, LLP, and staff will go out for bids in 2018.

Upon Motion by Director Jeffries, seconded by Director Warren, the motion unanimously carried,

2017/12-2
MOVED, approval to receive and file the Report on Audit for the Fiscal Year Ending June 30, 2017, and direct staff to file the Report on Audit with respective government agencies as required by law.

with the following vote:

Ayes:	Dennstedt, Jeffries, Magee, Warren
Noes:	None
Absent:	Williams
Abstain:	None

3.0: Lake Elsinore and Canyon Lake Nutrient TMDL Revision Task Order (Memo #LES822)
Mark Norton said this item is to seek approval of a task order with CDM Smith for work on the revision and update of the TMDL, the third in a series of task orders, initially brought to this Board in 2015. CDM Smith was selected from a competitive process for an $800,000 contract overall. There are several memorandums of tasks for review; page 81 of the packet shows what is planned. The Task Force is now preparing the steps for the environmental review. Then it goes before the administrative law review, and eventually to the EPA. CDM continues to perform very well and staff is pleased with their performance – they're on schedule and on budget. Staff recommends approval of this Task Order in the amount of $228,138. Dave Jensen of CDM Smith is here today to answer any questions.

As there were no questions, Dave Jensen thanked the Board for the work.

Upon motion by Director Dennstedt, seconded by Director Warren, the motion unanimously carried,

2017/12-3
MOVED, approval of Task Order No. CDM160-03 with CDM Smith, Inc. for an amount not-to-exceed $228,138, to revise and update the Lake Elsinore & Canyon Lake Nutrient TMDLs.

with the following vote:

Ayes:	Dennstedt, Jeffries, Magee, Warren
Noes:	None
Absent:	Williams
Abstain:	None

4.0: Lake Elsinore Advanced Pump Storage (LEAPS) Status (Memo #LES823)
Mark Norton said this item is informational regarding the Nevada Hydro pumped storage project (LEAPS). At the last meeting, staff was asked to prepare a comment letter, as FERC had solicited to the public whether there was a need for additional studies. This letter was distributed by email to the Board. The project would have significant impact on our efforts to comply with the TMDL. The project also came to the attention of the Regional Board, who is implementing the TMDL They have indicated that under the permit that they have, if this were to move forward, Nevada Hydro would need to become part of the TMDL in order for the Regional Board to make sure they are going to meet all the requirements for the TMDL. Meetings were recently held with Nevada Hydro and if they are going to be part of the TMDL, they also should be a part of

paying their share – $40,000; the financial commitment passed on to them. They also must go before the Task Force and ask to become a member. It is likely that they will agree to their membership. As they're a significant player, it's important to have them at the table. Nevada Hydro wants to be a team player and do whatever is necessary to comply with the TMDLs, and they're aware of the hurdles ahead. Many people have indicated strong concerns about the project and want to be sure that any impacts about the project are going to be addressed.

Chair Magee thanked Mark Norton and noted that he gave this letter assignment to Mark right before the agenda was to go out and he did an excellent job getting this together.

Upon motion by Director Warren, seconded by Director Dennstedt, the motion unanimously carried,

2017/12-4
MOVED, approval to receive and file a status report on the Nevada Hydro Company, Inc. Lake Elsinore Advanced Pumped Storage (LEAPS) Project.

with the following vote:

Ayes:	Dennstedt, Jeffries, Magee, Warren
Noes:	None
Absent:	Williams
Abstain:	None

5.0: CR&R Inc. Green Waste Composting Facility Update (Memo #LES824)

Mark Norton said this item is a proposed project by a waste and recycling company CR&R Inc. They have applied to the SWRCB to obtain a waste discharge requirement in the upper San Jacinto River. They have been doing extensive outreach to make sure all the agencies who might be impacted are aware of the project. Mr. Norton reviewed the project with them and they provided a presentation for the Task Force. The project basically would store and digestate green waste on this site, basically a sod farm. The material eventually would be for sale and use throughout southern California. There were concerns by some Task Force members because green waste has nutrients that could impact the lakes in a big storm event. They would need to obtain a storm water permit. If they want to become a TMDL Task Force member, they must also contribute financially. If they are responsible for a large amount of nutrients, they also may be required to help with the alum application efforts at Canyon Lake. The Regional Board letter states they need to become members of the Task Force, so CR&R must now go before the Task Force to request membership.

Mark Norton introduced Trip Hord from CR&R Inc., who was available to answer any questions.

Director Warren asked who would be monitoring what goes into Canyon Lake. Mark Norton replied that we have an extensive monitoring program in place, and they would be required under the RCFCD&WCD to be onsite. There also may be some buffering zones around the property, and they'd make sure the stock piles are leveled off. They also have a hydrologist on board.

Upon motion by Director Warren, seconded by Director Dennstedt, the motion unanimously carried,

2017/12-5
MOVED, approval to receive and file a status report on the CR&R, Inc. Green Waste Composting Facility Project.

with the following vote:

Ayes:	Dennstedt, Jeffries, Magee, Warren
Noes:	None
Absent:	Williams
Abstain:	None

6.0: LESJWA Water Summit Status (Memo #LES825)

Mark Norton said as mentioned previously, the LESJWA Water Summit has been planned for April 18, 2018 at 1:30 p.m. The LE/CL TMDL Task Force discussed the main goal of providing information on current and future projects, and how we can comply with the TMDL. It will be an important meeting and we are hoping more people will attend, particularly officials from the upper watershed. Liselle DeGrave of DeGrave Communications was asked to assist with the contact/invitation list to make sure we include everyone.

In some research into why more people aren't attending, it was found that people tend to think if there isn't a fee to attend, it's not as important. Staff recommended charging a small fee, holding the event at the Diamond Club, and possibly seeking sponsors to help with the cost. Since that time, other locations have been discussed with Chair Magee, and the Laguna Campground was considered, where a community center is planned as part of their updates; however, it won't be ready by April 2018. It would be great to see the lake while out there, but considering the size, it probably would be best to hold the Summit at the Diamond Club and have a continental breakfast and lunch. The total budget is $20,000.

The Summit will start off with the LESJWA Chair, and then speakers Hope Smythe, Jason Uhley, Greg Kahlon about the LEAPS project, and a keynote speaker who is most knowledgeable about the TMDL – Tim Moore of Risk Sciences. He is a very effective and engaging speaker for the lunch hour. There are still some details to address such as finding a speaker from Canyon Lake. Staff welcomes any comments.

Director Warren said she agrees with charging a registration fee; it casts a more educational experience.

Upon motion by Director Warren, seconded by Director Dennstedt, the motion unanimously carried,

2017/12-6
MOVED, approval to receive and file a status report on the LESJWA Water Summit Status.

with the following vote:

Ayes:	Dennstedt, Jeffries, Magee, Warren
Noes:	None
Absent:	Williams
Abstain:	None

7.0: ADMINISTRATOR'S COMMENTS

Mark Norton followed up on the interests in that LESJWA is addressing some of the concerns from letters by students at Temescal Valley High School. We've learned that there is a lot of interest in what's happening with the lakes, and therefore it was decided to hold a 45-minute assembly at the school on January 24. It would be a joint presentation by Mark Norton and Chair Magee. Nicole Dailey also will be asked to assist and talk about what's going on with the City of Lake Elsinore, and he welcomes a representative from the City of Canyon Lake. It will be a great opportunity to show all the things that LESJWA and the Cities are doing.

Director Dennstedt commented that it would be great for teachers to attend as well. Chair Magee said it's a good start. He cannot commit staff time and dollars at this point, but he will speak with the City Manager.

Chair Magee wished everyone a great holiday season.

8.0: DIRECTORS' COMMENTS

Director Warren said she is happy to be there on the 24th and can help represent Canyon Lake and to assist where needed. She agrees it's a chance to turn a potentially negative experience into something positive.

Director Jeffries noted he will not be able to attend that day.

Director Dennstedt said she possibly can attend. She noted she attended the school board meeting last Thursday and did a check presentation of $25,000 for the building of a solar boat. Perhaps the Board members should be invited as well.

As there was no further business to discuss, Chair Magee adjourned the meeting at 4:45 p.m.

APPROVED: April 19, 2018

_____
Robert Magee, Chair

ATTEST: April 19, 2018

_____
Dawna Munson, Board Clerk

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LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
CASH FLOW STATEMENT
AS OF 2/28/18

Balance as of 1/31/18			$	1,124,230.58
Funds Received				
Deposits:				
CA Department of Fish and Game			$	22,857.00
Nevada Hydro Company			$	1,000.00
Open - Grant Invoices				
DWR - Prop 84 Grant - Inv 1 Retention	$	6,502.97		
DWR - Prop 84 Grant - Inv 2 Retention	$	2,019.94		
DWR - Prop 84 Grant - Inv 3 Retention	$	546.38		
DWR - Prop 84 Grant - Inv 4 Retention	$	6,342.40		
DWR - Prop 84 Grant - Inv 5 Retention	$	17,814.74		
DWR - Prop 84 Grant - Inv 6 Retention	$	1,361.88		
	$	34,588.31		
Open - Member & Other Contributions				
Total Due LESJWA	$	34,588.31		
Disbursement List - February 2018				(201,532.77)
Funds Available as of 02/28/18			**$**	**946,554.81**
Funds Available:				
Checking			$	72,367.08
LAIF			$	874,187.73
Total			$	946,554.81

Lake Elsinore San Jacinto Watersheds Authority
LE/CL TMDL Invoice History
FYE 2011 - 2018
as of February 28, 2018

Agency	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
March ARB	10,000.00	13,050.00	12,500.00	35,226.00	25,176.00	38,321.00	29,864.00
CalTrans	10,000.00	13,050.00	12,500.00	28,656.00	26,072.00	40,421.00	31,964.00
City of Beaumont	3,900.00	1,865.00	19,263.00	24,280.00	26,866.00	37,421.00	28,128.00
City of Canyon Lake	3,396.00	644.00	18,389.00	34,863.00	24,142.00	42,521.00	33,586.00
City of Hemet	22,696.00	6,286.00	18,175.00	25,510.00	27,958.00	54,278.00	36,426.00
City of Lake Elsinore	73,133.00	-	19,381.00	30,580.00	32,463.00	37,421.00	22,330.00
City of Menifee	20,458.00	23,649.00	44,155.00	55,821.00	23,584.00	100,499.00	100,906.00
City of Moreno Valley	52,520.00	15,425.00	103,565.00	113,058.00	17,750.00	96,414.00	74,122.00
City of Murrieta	650.00	-	12,426.00	24,280.00	26,866.00	38,321.00	31,337.00
City of Perris	16,580.00	5,752.00	18,869.00	26,739.00	29,050.00	59,821.00	50,374.00
City of Riverside	2,965.00	1,575.00	17,641.00	24,280.00	26,866.00	38,921.00	30,293.00
City of San Jacinto	11,133.00	4,315.00	19,487.00	24,280.00	26,866.00	37,721.00	23,290.00
City of Wildomar	3,859.00	4,461.00	8,307.00	19,528.00	26,460.00	41,642.00	28,841.00
County of Riverside	32,919.00	-	30,165.00	36,469.00	30,362.00	68,931.00	69,034.00
Dept of Fish and Game	10,000.00	13,050.00	12,500.00	18,435.00	28,840.00	35,121.00	22,857.00
Eastern Municipal Water District	10,000.00	13,050.00	12,500.00	16,225.00	23,525.00	27,789.00	15,724.00
Elsinore Valley Municipal Water District	61,070.00	-	12,500.00	16,225.00	23,525.00	30,361.00	18,327.00
March JPA	10,000.00	13,050.00	12,500.00	24,485.00	27,160.00	38,921.00	30,464.00
San Jacinto Agricultural Operators	14,011.00	28,278.00	12,500.00	47,549.00	23,530.58	45,785.00	31,391.00
San Jacinto Dairy & CAFO Operators	10,000.00	10,211.00	12,500.00	16,225.00	-	-	-
Total	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00
Total Paid Contributions	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00
Total Outstanding Contributions	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total Outstanding Contributions							
	-	-	-	-	-	-	-
Total Outstanding All Years	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Lake Elsinore/San Jacinto Watershed Authority
Statement of Net Assets
For the Eight Months Ending Wednesday, February 28, 2018

Assets	
Checking - US Bank	$72,367.08
L.A.I.F.	874,187.73
Accounts Receivable	34,588.31
Total Assets	$981,143.12
Liabilities	
Accounts Payable	92,370.45
Total Liabilities	$92,370.45
Retained Earnings	729,529.61
Excess Revenue over (under) Expenditures	$159,243.06
Total Net Assets	$888,772.67
Total Liabilities and Net Assets	$981,143.12

Lake Elsinore/San Jacinto Watershed Authority
Revenues, Expenses and Changes in Net Assets
For the Eight Months Ending Wednesday, February 28, 2018

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
Revenues					
State Grant Proceeds	$0.00	$34,588.31	$0.00	0.00%	($34,588.31)
LAIF Interest	0.00	5,300.47	2,440.00	217.23%	(2,860.47)
Member Agency Contributions	0.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	0.00	565,981.00	585,982.00	96.59%	20,001.00
Miscellaneous Revenue	1,000.00	1,000.00	0.00	0.00%	(1,000.00)
Total Revenues	***$1,000.00***	***$860,146.78***	***$851,699.00***	***100.99%***	***($8,447.78)***
Expenses					
Salaries - Regular	4,506.89	46,962.44	67,187.00	69.90%	20,224.56
Payroll Burden	1,969.51	20,522.55	29,360.00	69.90%	8,837.45
Overhead	6,359.22	66,264.00	94,800.00	69.90%	28,536.00
Audit Fees	0.00	5,500.00	5,500.00	100.00%	0.00
Consulting - General	90,429.62	558,259.93	683,735.00	81.65%	125,475.07
Legal Fees	0.00	700.00	500.00	140.00%	(200.00)
Meeting & Conference Expense	0.00	67.95	100.00	67.95%	32.05
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Other Expense	0.00	0.00	50.00	0.00%	50.00
LEAMS Excess Offset Credit	0.00	0.00	107,824.00	0.00%	107,824.00
Insurance Expense	0.00	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	0.00	90.85	50.00	181.70%	(40.85)
Total Expenditures	***$103,265.24***	***$700,903.72***	***$991,641.00***	***70.68%***	***$290,737.28***
Excess Revenue over (under) Expenditures	***($102,265.24)***	***$159,243.06***	***($139,942.00)***	***-113.79%***	***($299,185.06)***

Lake Elsinore San Jacinto Watersheds Authority
Revenues, Expenses and Changes in Net Assets by Project
For the Month Ending February 28, 2018

	JPA Administration	TMDL Task Force	Total	Budget	% Used	Budget Variance
Revenues						
State Grant Proceeds	$ -	$ 34,588.31	$ 34,588.31	$ -	100.00%	$ (34,588.31)
LAIF Interest	5,300.47	-	5,300.47	2,440.00	217.23%	(2,860.47)
Member Agency Contributions	110,000.00	143,277.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	-	565,981.00	565,981.00	585,982.00	96.59%	20,001.00
Miscellaneous Revenue	$ 1,000.00	$ -	$ 1,000.00	$ -	100.00%	$ (1,000.00)
Total Revenues	$ 115,300.47	$ 743,846.31	$ 860,146.78	$ 851,699.00	100.99%	$ (8,447.78)
Expenditures						
Salaries	$ 18,632.09	$ 28,330.35	46,962.44	$ 67,187.00	69.90%	$ 20,224.56
Benefits	8,142.21	12,380.34	20,522.55	29,360.00	69.90%	8,837.45
Indirect Costs	26,289.87	39,974.13	66,264.00	94,800.00	69.90%	28,536.00
Audit Fees	5,500.00	-	5,500.00	5,500.00	100.00%	-
Consulting	14,529.55	543,730.38	558,259.93	683,735.00	81.65%	125,475.07
Legal Fees	700.00	-	700.00	500.00	0.00%	(200.00)
Meeting & Conference Expense	30.50	37.45	67.95	100.00	67.95%	32.05
Shipping & Postage		-	-	50.00	0.00%	50.00
Other Expense	-	-	-	50.00	0.00%	50.00
LEAMS Excess Offset Credit	-	-	-	107,824.00	0.00%	107,824.00
Insurance Expense	2,536.00	-	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	90.85	-	90.85	50.00	181.70%	(40.85)
Total Expenditures	$ 76,451.07	$ 624,452.65	$ 700,903.72	$ 991,641.00	70.68%	$ 290,737.28
Excess Revenue over (under) Expenditures	$ 38,849.40	$ 119,393.66	$ 159,243.06	$ (139,942.00)	100.00%	$ (299,185.06)
Cash Balance @ 2/28/18	**$ 95,775.55**	**$ 850,779.26**	**$ 946,554.81**			

Lake Elsinore San Jacinto
Watershed Authority
Disbursements
February 2018

Check #	Check Date	Type	Vendor	Check Amount
EFT141	2/2/2018	CHK	CDM Smith Inc	$88,487.92
EFT142	2/2/2018	CHK	Amec Foster Wheeler Environment	$8,430.57
EFT143	2/16/2018	CHK	Santa Ana Watershed Project Authority	$18,135.24
EFT144	2/22/2018	CHK	Risk Sciences	$4,431.07
EFT145	2/22/2018	CHK	CDM Smith Inc	$23,464.98
EFT146	2/22/2018	CHK	AquaTechnex LLC	$58,582.99
			Total Disbursements February 2018	**$201,532.77**

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
CASH FLOW STATEMENT
AS OF 1/31/18

Balance as of 12/31/17			$	1,158,853.24
Funds Received				
Deposits:				
LAIF Interest			$	2,948.75
WRCAG			$	600.00
WRCAG			$	600.00
Open - Grant Invoices				
DWR - Prop 84 Grant - Inv 1 Retention	$	6,502.97		
DWR - Prop 84 Grant - Inv 2 Retention	$	2,019.94		
DWR - Prop 84 Grant - Inv 3 Retention	$	546.38		
DWR - Prop 84 Grant - Inv 4 Retention	$	6,342.40		
DWR - Prop 84 Grant - Inv 5 Retention	$	17,814.74		
DWR - Prop 84 Grant - Inv 6 Retention	$	1,361.88		
	$	34,588.31		
Open - Member & Other Contributions				
CA Department of Fish and Game	$	22,857.00		
	$	22,857.00		
Total Due LESJWA	$	57,445.31		
Disbursement List - January 2018				(38,771.41)
Funds Available as of 01/31/18			**$**	**1,124,230.58**

Funds Available:		
Checking	$	150,042.85
LAIF	$	974,187.73
Total	$	1,124,230.58

Lake Elsinore San Jacinto Watersheds Authority
LE/CL TMDL Invoice History
FYE 2011 - 2018
as of January 31, 2018

Agency	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
March ARB	10,000.00	13,050.00	12,500.00	35,226.00	25,176.00	38,321.00	29,864.00
CalTrans	10,000.00	13,050.00	12,500.00	28,656.00	26,072.00	40,421.00	31,964.00
City of Beaumont	3,900.00	1,865.00	19,263.00	24,280.00	26,866.00	37,421.00	28,128.00
City of Canyon Lake	3,396.00	644.00	18,389.00	34,863.00	24,142.00	42,521.00	33,586.00
City of Hemet	22,696.00	6,286.00	18,175.00	25,510.00	27,958.00	54,278.00	36,426.00
City of Lake Elsinore	73,133.00	-	19,381.00	30,580.00	32,463.00	37,421.00	22,330.00
City of Menifee	20,458.00	23,649.00	44,155.00	55,821.00	23,584.00	100,499.00	100,906.00
City of Moreno Valley	52,520.00	15,425.00	103,565.00	113,058.00	17,750.00	96,414.00	74,122.00
City of Murrieta	650.00	-	12,426.00	24,280.00	26,866.00	38,321.00	31,337.00
City of Perris	16,580.00	5,752.00	18,869.00	26,739.00	29,050.00	59,821.00	50,374.00
City of Riverside	2,965.00	1,575.00	17,641.00	24,280.00	26,866.00	38,921.00	30,293.00
City of San Jacinto	11,133.00	4,315.00	19,487.00	24,280.00	26,866.00	37,721.00	23,290.00
City of Wildomar	3,859.00	4,461.00	8,307.00	19,528.00	26,460.00	41,642.00	28,841.00
County of Riverside	32,919.00	-	30,165.00	36,469.00	30,362.00	68,931.00	69,034.00
Dept of Fish and Game	10,000.00	13,050.00	12,500.00	18,435.00	28,840.00	35,121.00	22,857.00
Eastern Municipal Water District	10,000.00	13,050.00	12,500.00	16,225.00	23,525.00	27,789.00	15,724.00
Elsinore Valley Municipal Water District	61,070.00	-	12,500.00	16,225.00	23,525.00	30,361.00	18,327.00
March JPA	10,000.00	13,050.00	12,500.00	24,485.00	27,160.00	38,921.00	30,464.00
San Jacinto Agricultural Operators	14,011.00	28,278.00	12,500.00	47,549.00	23,530.58	45,785.00	31,391.00
San Jacinto Dairy & CAFO Operators	10,000.00	10,211.00	12,500.00	16,225.00	-	-	-
Total	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00
Total Paid Contributions	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	686,401.00
Total Outstanding Contributions	**-**	**-**	**-**	**-**	**-**	**-**	**22,857.00**

Total Outstanding Contributions							
Dept of Fish and Game	-	-	-	-	-	-	22,857.00
San Jacinto Agricultural Operators	-	-	-	-	-	-	-
Total Outstanding All Years	**-**	**-**	**-**	**-**	**-**	**-**	**22,857.00**

Lake Elsinore/San Jacinto Watershed Authority
Statement of Net Assets
For the Seven Months Ending Wednesday, January 31, 2018

Assets	
Checking - US Bank	$150,042.85
L.A.I.F.	974,187.73
Accounts Receivable	57,445.31
Total Assets	$1,181,675.89
Liabilities	
Accounts Payable	190,637.98
Total Liabilities	$190,637.98
Retained Earnings	729,529.61
Excess Revenue over (under) Expenditures	$261,508.30
Total Net Assets	$991,037.91
Total Liabilities and Net Assets	$1,181,675.89

Lake Elsinore/San Jacinto Watershed Authority
Revenues, Expenses and Changes in Net Assets
For the Seven Months Ending Wednesday, January 31, 2018

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
Revenues					
State Grant Proceeds	$0.00	$34,588.31	$0.00	0.00%	($34,588.31)
LAIF Interest	2,948.75	5,300.47	2,440.00	217.23%	(2,860.47)
Member Agency Contributions	0.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	0.00	565,981.00	585,982.00	96.59%	20,001.00
Total Revenues	***$2,948.75***	***$859,146.78***	***$851,699.00***	***100.87%***	***($7,447.78)***
Expenses					
Salaries - Regular	6,346.77	42,455.55	67,187.00	63.19%	24,731.45
Payroll Burden	2,773.53	18,553.04	29,360.00	63.19%	10,806.96
Overhead	8,955.29	59,904.78	94,800.00	63.19%	34,895.22
Audit Fees	0.00	5,500.00	5,500.00	100.00%	0.00
Consulting - General	52,119.27	467,830.31	683,735.00	68.42%	215,904.69
Legal Fees	0.00	700.00	500.00	140.00%	(200.00)
Meeting & Conference Expense	0.00	67.95	100.00	67.95%	32.05
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Other Expense	0.00	0.00	50.00	0.00%	50.00
LEAMS Excess Offset Credit	0.00	0.00	107,824.00	0.00%	107,824.00
Insurance Expense	0.00	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	59.65	90.85	50.00	181.70%	(40.85)
Total Expenditures	***$70,254.51***	***$597,638.48***	***$991,641.00***	***60.27%***	***$394,002.52***
Excess Revenue over (under) Expenditures	***($67,305.76)***	***$261,508.30***	***($139,942.00)***	***-186.87%***	***($401,450.30)***

Lake Elsinore San Jacinto Watersheds Authority
Revenues, Expenses and Changes in Net Assets by Project
For the Month Ending January 31, 2018

	JPA Administration	TMDL Task Force	Total	Budget	% Used	Budget Variance
Revenues						
State Grant Proceeds	$ -	$ 34,588.31	$ 34,588.31	$ -	100.00%	$ (34,588.31)
LAIF Interest	5,300.47	-	5,300.47	2,440.00	217.23%	(2,860.47)
Member Agency Contributions	110,000.00	143,277.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	-	565,981.00	565,981.00	585,982.00	96.59%	20,001.00
Total Revenues	$ 115,300.47	$ 743,846.31	$ 859,146.78	$ 851,699.00	100.87%	$ (7,447.78)
Expenditures						
Salaries	$ 17,759.55	$ 24,696.00	42,455.55	$ 67,187.00	63.19%	$ 24,731.45
Benefits	7,760.91	10,792.13	18,553.04	29,360.00	63.19%	10,806.96
Indirect Costs	25,058.72	34,846.06	59,904.78	94,800.00	63.19%	34,895.22
Audit Fees	5,500.00	-	5,500.00	5,500.00	100.00%	-
Consulting	13,096.73	454,733.58	467,830.31	683,735.00	68.42%	215,904.69
Legal Fees	700.00	-	700.00	500.00	0.00%	(200.00)
Meeting & Conference Expense	30.50	37.45	67.95	100.00	67.95%	32.05
Shipping & Postage		-	-	50.00	0.00%	50.00
Other Expense	-	-	-	50.00	0.00%	50.00
LEAMS Excess Offset Credit	-	-	-	107,824.00	0.00%	107,824.00
Insurance Expense	2,536.00	-	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	90.85	-	90.85	50.00	181.70%	(40.85)
Total Expenditures	$ 72,533.26	$ 525,105.22	$ 597,638.48	$ 991,641.00	60.27%	$ 394,002.52
Excess Revenue over (under) Expenditures	$ 42,767.21	$ 218,741.09	$ 261,508.30	$ (139,942.00)	100.00%	$ (401,450.30)
Cash Balance @ 1/31/18	**$ 101,078.01**	**$ 1,023,152.57**	**$ 1,124,230.58**			

Lake Elsinore San Jacinto
Watershed Authority
Disbursements
January 2018

Check #	Check Date	Type	Vendor	Check Amount
EFT135	1/5/2018	CHK	Risk Sciences	$7,177.82
EFT136	1/19/2018	CHK	Law Office of David L. Wysocki	$175.00
EFT137	1/19/2018	CHK	Santa Ana Watershed Project Authority	$16,836.34
EFT138	1/19/2018	CHK	Amec Foster Wheeler Environment	$9,380.35
EFT139	1/25/2018	CHK	Risk Sciences	$3,465.00
EFT140	1/25/2018	CHK	DeGrave Communications	$1,736.90
			Total Disbursements January 2018	**$38,771.41**

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
CASH FLOW STATEMENT
AS OF 12/31/17

Balance as of 11/30/17			$	1,021,274.64
Funds Received				
Deposits:				
Riverside County			$	69,034.00
City of Wildomar			$	28,841.00
City of Moreno Valley			$	74,122.00
Open - Grant Invoices				
DWR - Prop 84 Grant - Inv 1 Retention	$	6,502.97		
DWR - Prop 84 Grant - Inv 2 Retention	$	2,019.94		
DWR - Prop 84 Grant - Inv 3 Retention	$	546.38		
DWR - Prop 84 Grant - Inv 4 Retention	$	6,342.40		
DWR - Prop 84 Grant - Inv 5 Retention	$	17,814.74		
DWR - Prop 84 Grant - Inv 6 Retention	$	1,361.88		
	$	34,588.31		
Open - Member & Other Contributions				
West Riverside County Agricultural Coalition	$	24,300.00		
CA Department of Fish and Game	$	22,857.00		
	$	47,157.00		
Total Due LESJWA	$	81,745.31		
Disbursement List - December 2017				(34,418.40)
Funds Available as of 12/31/17			**$**	**1,158,853.24**

Funds Available:		
Checking	$	187,614.26
LAIF	$	971,238.98
Total	$	1,158,853.24

Lake Elsinore San Jacinto Watersheds Authority
LE/CL TMDL Invoice History
FYE 2011 - 2018
as of December 31, 2017

Agency	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
March ARB	10,000.00	13,050.00	12,500.00	35,226.00	25,176.00	38,321.00	29,864.00
CalTrans	10,000.00	13,050.00	12,500.00	28,656.00	26,072.00	40,421.00	31,964.00
City of Beaumont	3,900.00	1,865.00	19,263.00	24,280.00	26,866.00	37,421.00	28,128.00
City of Canyon Lake	3,396.00	644.00	18,389.00	34,863.00	24,142.00	42,521.00	33,586.00
City of Hemet	22,696.00	6,286.00	18,175.00	25,510.00	27,958.00	54,278.00	36,426.00
City of Lake Elsinore	73,133.00	-	19,381.00	30,580.00	32,463.00	37,421.00	22,330.00
City of Menifee	20,458.00	23,649.00	44,155.00	55,821.00	23,584.00	100,499.00	100,906.00
City of Moreno Valley	52,520.00	15,425.00	103,565.00	113,058.00	17,750.00	96,414.00	74,122.00
City of Murrieta	650.00	-	12,426.00	24,280.00	26,866.00	38,321.00	31,337.00
City of Perris	16,580.00	5,752.00	18,869.00	26,739.00	29,050.00	59,821.00	50,374.00
City of Riverside	2,965.00	1,575.00	17,641.00	24,280.00	26,866.00	38,921.00	30,293.00
City of San Jacinto	11,133.00	4,315.00	19,487.00	24,280.00	26,866.00	37,721.00	23,290.00
City of Wildomar	3,859.00	4,461.00	8,307.00	19,528.00	26,460.00	41,642.00	28,841.00
County of Riverside	32,919.00	-	30,165.00	36,469.00	30,362.00	68,931.00	69,034.00
Dept of Fish and Game	10,000.00	13,050.00	12,500.00	18,435.00	28,840.00	35,121.00	22,857.00
Eastern Municipal Water District	10,000.00	13,050.00	12,500.00	16,225.00	23,525.00	27,789.00	15,724.00
Elsinore Valley Municipal Water District	61,070.00	-	12,500.00	16,225.00	23,525.00	30,361.00	18,327.00
March JPA	10,000.00	13,050.00	12,500.00	24,485.00	27,160.00	38,921.00	30,464.00
San Jacinto Agricultural Operators	14,011.00	28,278.00	12,500.00	47,549.00	23,530.58	70,085.00	31,391.00
San Jacinto Dairy & CAFO Operators	10,000.00	10,211.00	12,500.00	16,225.00	-	-	-
Total	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	934,930.00	709,258.00
Total Paid Contributions	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	686,401.00
Total Outstanding Contributions	**-**	**-**	**-**	**-**	**-**	**24,300.00**	**22,857.00**

Total Outstanding Contributions							
March ARB	-	-	-	-	-	-	-
CalTrans	-	-	-	-	-	-	-
City of Beaumont	-	-	-	-	-	-	-
City of Hemet	-	-	-	-	-	-	-
City of Menifee	-	-	-	-	-	-	-
City of Moreno Valley	-	-	-	-	-	-	-
City of Murrieta	-	-	-	-	-	-	-
City of Perris	-	-	-	-	-	-	-
City of Riverside	-	-	-	-	-	-	-
City of San Jacinto	-	-	-	-	-	-	-
City of Wildomar	-	-	-	-	-	-	-
County of Riverside	-	-	-	-	-	-	-
Dept of Fish and Game	-	-	-	-	-	-	22,857.00
San Jacinto Agricultural Operators	-	-	-	-	-	24,300.00	-
Total Outstanding All Years	**-**	**-**	**-**	**-**	**-**	**24,300.00**	**22,857.00**

Lake Elsinore/San Jacinto Watershed Authority
Statement of Net Assets
For the Six Months Ending Sunday, December 31, 2017

Assets	
Checking - US Bank	$187,614.26
L.A.I.F.	971,238.98
Accounts Receivable	81,745.31
Allowance For Doubtful Accounts	(24,300.00)
Total Assets	$1,216,298.55
Liabilities	
Accounts Payable	135,689.90
Total Liabilities	$135,689.90
Retained Earnings	728,329.61
Excess Revenue over (under) Expenditures	$352,279.04
Total Net Assets	$1,080,608.65
Total Liabilities and Net Assets	$1,216,298.55

Lake Elsinore/San Jacinto Watershed Authority
Revenues, Expenses and Changes in Net Assets
For the Six Months Ending Sunday, December 31, 2017

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
Revenues					
State Grant Proceeds	$0.00	$34,588.31	$0.00	0.00%	($34,588.31)
LAIF Interest	0.00	2,351.72	2,440.00	96.38%	88.28
Member Agency Contributions	0.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	0.00	565,981.00	585,982.00	96.59%	20,001.00
Total Revenues	***$0.00***	***$856,198.03***	***$851,699.00***	***100.53%***	***($4,499.03)***
Expenses					
Salaries - Regular	5,900.93	36,108.78	67,187.00	53.74%	31,078.22
Payroll Burden	2,578.70	15,779.51	29,360.00	53.74%	13,580.49
Overhead	8,326.21	50,949.49	94,800.00	53.74%	43,850.51
Audit Fees	0.00	5,500.00	5,500.00	100.00%	0.00
Consulting - General	13,632.47	392,246.06	683,735.00	57.37%	291,488.94
Legal Fees	175.00	700.00	500.00	140.00%	(200.00)
Meeting & Conference Expense	30.50	67.95	100.00	67.95%	32.05
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Other Expense	0.00	0.00	50.00	0.00%	50.00
LEAMS Excess Offset Credit	0.00	0.00	107,824.00	0.00%	107,824.00
Insurance Expense	0.00	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	0.00	31.20	50.00	62.40%	18.80
Total Expenditures	***$30,643.81***	***$503,918.99***	***$991,641.00***	***50.82%***	***$487,722.01***
Excess Revenue over (under) Expenditures	***($30,643.81)***	***$352,279.04***	***($139,942.00)***	***-251.73%***	***($492,221.04)***

Lake Elsinore San Jacinto Watersheds Authority
Revenues, Expenses and Changes in Net Assets by Project
For the Month Ending December 31, 2017

	JPA Administration	TMDL Task Force	Total	Budget	% Used	Budget Variance
Revenues						
State Grant Proceeds	$ -	$ 34,588.31	$ 34,588.31	$ -	#DIV/0!	$ (34,588.31)
LAIF Interest	2,351.72	-	2,351.72	2,440.00	96.38%	88.28
Member Agency Contributions	110,000.00	143,277.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	-	565,981.00	565,981.00	585,982.00	96.59%	20,001.00
Total Revenues	$ 112,351.72	$ 743,846.31	$ 856,198.03	$ 851,699.00	100.53%	$ (4,499.03)
Expenditures						
Salaries	$ 15,567.55	$ 20,541.23	36,108.78	$ 67,187.00	53.74%	$ 31,078.22
Benefits	6,803.01	8,976.50	15,779.51	29,360.00	53.74%	13,580.49
Indirect Costs	21,965.81	28,983.68	50,949.49	94,800.00	53.74%	43,850.51
Audit Fees	5,500.00	-	5,500.00	5,500.00	100.00%	-
Consulting	8,810.29	383,435.77	392,246.06	683,735.00	57.37%	291,488.94
Legal Fees	700.00	-	700.00	500.00	0.00%	(200.00)
Meeting & Conference Expense	30.50	37.45	67.95	100.00	67.95%	32.05
Shipping & Postage		-	-	50.00	0.00%	50.00
Other Expense	-	-	-	50.00	0.00%	50.00
LEAMS Excess Offset Credit	-	-	-	107,824.00	0.00%	107,824.00
Insurance Expense	2,536.00	-	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	31.20	-	31.20	50.00	62.40%	18.80
Total Expenditures	$ 61,944.36	$ 441,974.63	$ 503,918.99	$ 991,641.00	50.82%	$ 487,722.01
Excess Revenue over (under) Expenditures	$ 50,407.36	$ 301,871.68	$ 352,279.04	$ (139,942.00)	100.00%	$ (492,221.04)
Cash Balance @ 12/31/17	**$ 106,983.52**	**$ 1,051,869.72**	**$ 1,158,853.24**			

Lake Elsinore San Jacinto
Watershed Authority
Disbursements
December 2017

Check #	Check Date	Type	Vendor	Check Amount
1087	12/22/2017	CHK	White Nelson Diehl Evans LLP	$800.00
EFT131	12/8/2017	CHK	Amec Foster Wheeler Environment	$13,899.34
EFT132	12/22/2017	CHK	Law Office of David L. Wysocki	$175.00
EFT133	12/22/2017	CHK	Santa Ana Watershed Project Authority	$18,756.56
EFT134	12/22/2017	CHK	DeGrave Communications	$787.50
			Total Disbursements December 2017	**$34,418.40**

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
CASH FLOW STATEMENT
AS OF 11/30/17

Balance as of 10/31/17		$ 1,077,056.63
Funds Received		
Deposits:		
Beaumont		$ 28,128.00
Open - Grant Invoices		
DWR - Prop 84 Grant - Inv 1 Retention	$ 6,502.97	
DWR - Prop 84 Grant - Inv 2 Retention	$ 2,019.94	
DWR - Prop 84 Grant - Inv 3 Retention	$ 546.38	
DWR - Prop 84 Grant - Inv 4 Retention	$ 6,342.40	
DWR - Prop 84 Grant - Inv 5 Retention	$ 17,814.74	
DWR - Prop 84 Grant - Inv 6 Retention	$ 1,361.88	
	$ 34,588.31	
Open - Member & Other Contributions		
West Riverside County Agricultural Coalition	$ 24,300.00	
County of Riverside Executive Office	$ 69,034.00	
City of Moreno Valley	$ 74,122.00	
City of Wildomar	$ 28,841.00	
CA Department of Fish and Game	$ 22,857.00	
	$ 219,154.00	
Total Due LESJWA	$ 253,742.31	
Disbursement List - November 2017		(83,909.99)
Funds Available as of 11/30/17		**$ 1,021,274.64**

Funds Available:

Checking	$ 50,035.66
LAIF	$ 971,238.98
Total	$ 1,021,274.64

Lake Elsinore San Jacinto Watersheds Authority
LE/CL TMDL Invoice History
FYE 2011 - 2018
as of November 30, 2017

Agency	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18
March ARB	10,000.00	13,050.00	12,500.00	35,226.00	25,176.00	38,321.00	29,864.00
CalTrans	10,000.00	13,050.00	12,500.00	28,656.00	26,072.00	40,421.00	31,964.00
City of Beaumont	3,900.00	1,865.00	19,263.00	24,280.00	26,866.00	37,421.00	28,128.00
City of Canyon Lake	3,396.00	644.00	18,389.00	34,863.00	24,142.00	42,521.00	33,586.00
City of Hemet	22,696.00	6,286.00	18,175.00	25,510.00	27,958.00	54,278.00	36,426.00
City of Lake Elsinore	73,133.00	-	19,381.00	30,580.00	32,463.00	37,421.00	22,330.00
City of Menifee	20,458.00	23,649.00	44,155.00	55,821.00	23,584.00	100,499.00	100,906.00
City of Moreno Valley	52,520.00	15,425.00	103,565.00	113,058.00	17,750.00	96,414.00	74,122.00
City of Murrieta	650.00	-	12,426.00	24,280.00	26,866.00	38,321.00	31,337.00
City of Perris	16,580.00	5,752.00	18,869.00	26,739.00	29,050.00	59,821.00	50,374.00
City of Riverside	2,965.00	1,575.00	17,641.00	24,280.00	26,866.00	38,921.00	30,293.00
City of San Jacinto	11,133.00	4,315.00	19,487.00	24,280.00	26,866.00	37,721.00	23,290.00
City of Wildomar	3,859.00	4,461.00	8,307.00	19,528.00	26,460.00	41,642.00	28,841.00
County of Riverside	32,919.00	-	30,165.00	36,469.00	30,362.00	68,931.00	69,034.00
Dept of Fish and Game	10,000.00	13,050.00	12,500.00	18,435.00	28,840.00	35,121.00	22,857.00
Eastern Municipal Water District	10,000.00	13,050.00	12,500.00	16,225.00	23,525.00	27,789.00	15,724.00
Elsinore Valley Municipal Water District	61,070.00	-	12,500.00	16,225.00	23,525.00	30,361.00	18,327.00
March JPA	10,000.00	13,050.00	12,500.00	24,485.00	27,160.00	38,921.00	30,464.00
San Jacinto Agricultural Operators	14,011.00	28,278.00	12,500.00	47,549.00	23,530.58	70,085.00	31,391.00
San Jacinto Dairy & CAFO Operators	10,000.00	10,211.00	12,500.00	16,225.00	-	-	-
Total	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	934,930.00	709,258.00
Total Paid Contributions	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	514,404.00
Total Outstanding Contributions	**-**	**-**	**-**	**-**	**-**	**24,300.00**	**194,854.00**

Total Outstanding Contributions							
March ARB	-	-	-	-	-	-	-
CalTrans	-	-	-	-	-	-	-
City of Beaumont	-	-	-	-	-	-	-
City of Hemet	-	-	-	-	-	-	-
City of Menifee	-	-	-	-	-	-	-
City of Moreno Valley	-	-	-	-	-	-	74,122.00
City of Murrieta	-	-	-	-	-	-	-
City of Perris	-	-	-	-	-	-	-
City of Riverside	-	-	-	-	-	-	-
City of San Jacinto	-	-	-	-	-	-	-
City of Wildomar	-	-	-	-	-	-	28,841.00
County of Riverside	-	-	-	-	-	-	69,034.00
Dept of Fish and Game	-	-	-	-	-	-	22,857.00
San Jacinto Agricultural Operators	-	-	-	-	-	24,300.00	-
Total Outstanding All Years	**-**	**-**	**-**	**-**	**-**	**24,300.00**	**194,854.00**

Lake Elsinore/San Jacinto Watershed Authority
Statement of Net Assets
For the Five Months Ending Thursday, November 30, 2017

Assets	
Checking - US Bank	$50,035.66
L.A.I.F.	971,238.98
Accounts Receivable	253,742.31
Allowance For Doubtful Accounts	(24,300.00)
Total Assets	$1,250,716.95
Liabilities	
Accounts Payable	139,464.49
Total Liabilities	$139,464.49
Retained Earnings	728,329.61
Excess Revenue over (under) Expenditures	$382,922.85
Total Net Assets	$1,111,252.46
Total Liabilities and Net Assets	$1,250,716.95

Lake Elsinore/San Jacinto Watershed Authority
Revenues, Expenses and Changes in Net Assets
For the Five Months Ending Thursday, November 30, 2017

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
Revenues					
State Grant Proceeds	$0.00	$34,588.31	$0.00	0.00%	($34,588.31)
LAIF Interest	0.00	2,351.72	2,440.00	96.38%	88.28
Member Agency Contributions	0.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	0.00	565,981.00	585,982.00	96.59%	20,001.00
Total Revenues	***$0.00***	***$856,198.03***	***$851,699.00***	***100.53%***	***($4,499.03)***
Expenses					
Salaries - Regular	6,585.87	30,207.85	67,187.00	44.96%	36,979.15
Payroll Burden	2,878.02	13,200.81	29,360.00	44.96%	16,159.19
Overhead	9,292.67	42,623.28	94,800.00	44.96%	52,176.72
Audit Fees	800.00	5,500.00	5,500.00	100.00%	0.00
Consulting - General	105,833.59	378,613.59	683,735.00	55.37%	305,121.41
Legal Fees	175.00	525.00	500.00	105.00%	(25.00)
Meeting & Conference Expense	0.00	37.45	100.00	37.45%	62.55
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Other Expense	0.00	0.00	50.00	0.00%	50.00
LEAMS Excess Offset Credit	0.00	0.00	107,824.00	0.00%	107,824.00
Insurance Expense	0.00	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	0.00	31.20	50.00	62.40%	18.80
Total Expenditures	***$125,565.15***	***$473,275.18***	***$991,641.00***	***47.73%***	***$518,365.82***
Excess Revenue over (under) Expenditures	***($125,565.15)***	***$382,922.85***	***($139,942.00)***	***-273.63%***	***($522,864.85)***

Lake Elsinore San Jacinto Watersheds Authority
Revenues, Expenses and Changes in Net Assets by Project
For the Month Ending November 30, 2017

	JPA Administration	TMDL Task Force	Total	Budget	% Used	Budget Variance
Revenues						
State Grant Proceeds	$ -	$ 34,588.31	$ 34,588.31	$ -	#DIV/0!	$ (34,588.31)
LAIF Interest	2,351.72	-	2,351.72	2,440.00	96.38%	88.28
Member Agency Contributions	110,000.00	143,277.00	253,277.00	263,277.00	96.20%	10,000.00
Other Agency Contributions	-	565,981.00	565,981.00	585,982.00	96.59%	20,001.00
Total Revenues	$ 112,351.72	$ 743,846.31	$ 856,198.03	$ 851,699.00	100.53%	$ (4,499.03)
Expenditures						
Salaries	$ 13,140.63	$ 17,067.22	30,207.85	$ 67,187.00	44.96%	$ 36,979.15
Benefits	5,742.45	7,458.36	13,200.81	29,360.00	44.96%	16,159.19
Indirect Costs	18,541.43	24,081.85	42,623.28	94,800.00	44.96%	52,176.72
Audit Fees	5,500.00	-	5,500.00	5,500.00	100.00%	-
Consulting	7,073.39	371,540.20	378,613.59	683,735.00	55.37%	305,121.41
Legal Fees	525.00	-	525.00	500.00	0.00%	(25.00)
Meeting & Conference Expense	-	37.45	37.45	100.00	37.45%	62.55
Shipping & Postage		-	-	50.00	0.00%	50.00
Other Expense	-	-	-	50.00	0.00%	50.00
LEAMS Excess Offset Credit	-	-	-	107,824.00	0.00%	107,824.00
Insurance Expense	2,536.00	-	2,536.00	2,485.00	102.05%	(51.00)
Interest Expense	31.20	-	31.20	50.00	62.40%	18.80
Total Expenditures	$ 53,090.10	$ 420,185.08	$ 473,275.18	$ 991,641.00	47.73%	$ 518,365.82
Excess Revenue over (under) Expenditures	$ 59,261.62	$ 323,661.23	$ 382,922.85	$ (139,942.00)	100.00%	$ (522,864.85)
Cash Balance @ 11/30/17	**$ 114,646.42**	**$ 906,628.22**	**$ 1,021,274.64**			

Lake Elsinore San Jacinto
Watershed Authority
Disbursements
November 2017

Check #	Check Date	Type	Vendor	Check Amount
1086	11/22/2017	CHK	White Nelson Diehl Evans LLP	$700.00
EFT125	11/16/2017	CHK	Law Office of David L. Wysocki	$175.00
EFT126	11/16/2017	CHK	Santa Ana Watershed Project Authority	$22,685.76
EFT127	11/22/2017	CHK	Risk Sciences	$12,602.52
EFT128	11/22/2017	CHK	CDM Smith Inc	$32,523.10
EFT129	11/22/2017	CHK	DeGrave Communications	$1,621.19
EFT130	11/22/2017	CHK	Amec Foster Wheeler Environment	$13,602.42
			Total Disbursements November 2017	**$83,909.99**

Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

LESJWA Education and Outreach Committee
Meeting Notes
March 26, 2018

Members Present: Mark Norton, Chair, SAWPA
Bonnie Woodrome, EVMWD
Nicole Dailey, City of Lake Elsinore

Others Present: Liselle DeGrave, DeGrave Communications (by phone)
Jessica Sanchez, City of Lake Elsinore (City Manager Intern)

Members Absent: Scott Bruckner, Riverside County Executive Office
Vicki Warren, City of Canyon Lake

1. Call to Order

Mark Norton called the meeting to order at 12:13 pm at Elsinore Valley Municipal Water District (EVMWD), located at 31315 Chaney Street, Lake Elsinore, California.

2. Additions/Corrections to the Agenda

None

3. Approval of the Meeting Notes

The meeting notes from Jan. 9, 2018 were reviewed. The meeting notes were unanimously approved by the Committee.

4. Lake Levels

- The most current lake levels at Lake Elsinore are 1237.18 (Mar. 13), and 1378.70' at Canyon Lake (Mar 13). The lake levels recorded prior to our last meeting at Lake Elsinore were 1236.97 (Jan. 4) and Canyon Lake at 1375.90' (Jan. 4). The Committee noted that the elevation at both lakes increased a bit since the last meeting due to recent rains. The Canyon Lake dam spill elevation is 1381.76 so a few more feet of additional water elevation is needed to fill Canyon Lake, overtop the dam and flow into Lake Elsinore.

5. Splash into Spring

- The EVWMD event went very well with a LESJWA Booth operated by DeGrave Communications staff member, Asten Sullivan. The event attendees particularly enjoyed getting their photo taken with the LESJWA mascot, Bessie the Bass. Bonnie Woodrome reported that that over 600 members of the public attended the event held last Saturday, March 24, from 10 am - 1 pm.

6. Fiesta Day "Cheers to 50 Years"

- Preparations are underway for this upcoming Canyon Lake event which will include a LESJWA Booth as well. Ms. DeGrave indicated that she would be operating the booth with her staff. The event is scheduled for Saturday, May 26, 10 am – 3 pm.

7. **LESJWA Water Summit**

- **Registrations**
  The Committee discussed the planning for the next LESJWA Water Summit scheduled for April 18, 2018 at the Diamond Club, Diamond Stadium. Ms. DeGrave indicated that currently 40 people have registered by PayPal. Sponsors will provide about 20 people. Three more staff will be attending from the Regional Board staff. Plus, seven more are attending as speakers. This brings the total to 67 currently with the event still 24 days away. Ms. Dailey recommended that Mr. Norton as the LESJWA Administrative Authority send out a special email to the LE/CL TMDL Task Force to strongly urge the task force members talk to their elected officials about attending the event emphasizing the financial obligations and regulatory requirements of participation in the task force.

  Mr. Norton confirmed that the LESJWA Board members would be compensated for their Summit registration. At this stage from the LESJWA Board, Bob Magee, City of Lake Elsinore, is comped since he is a presenter and that Brenda Dennstedt, SAWPA, will not be able to attend due to a WMWD Board meeting that same day, only three LESJWA Board members may still be attending.

- **Sponsors**
  Ms. DeGrave indicated that there are two Presenting Sponsors, Western Municipal Water District and The Hydro Company LEAPS. There are three Supporting Sponsors including GEI Consultants, AMEC Foster Wheeler and Riverside County Flood Control and Water Conservation District (RCFCWCD). She indicated that RCFCWCD indicated that they would prefer that by serving as a Support Sponsor they would prefer to have eight seat registrations rather than having a booth. Mr. Norton and Ms. DeGrave had agreed previous to the Education and Outreach meeting that this request by RCFCWCD made sense to approve since their sponsorship of $500 would provide funding support beyond the cost of registering eight people.

  Ms. DeGrave shared a listing of the projected profit and loss statement. Based on revenue received from sponsorships and registrations, the event should generate a profit of $1958.18 so far.

- **Signage**
  Ms. DeGrave share some signs that will be posted at the entrance of the Summit to welcome attendees, a speaker stage sign and a podium sign. Each one will include the logos of the Presenting Sponsors and the names of the Supporting Sponsors. Logos of all sponsors will also be shown as a slide at the beginning and end of the PowerPoint presentations. The Committee suggested adding the text "Thank you to our Sponsors!" and that DeGrave Communications logo be added at the bottom of the slide with sponsor logos.

- **Media Outreach**
  A copy of a media advisory was shared by DeGrave Communications. The Committee advised that the Summit location should be changed to "Diamond Stadium" which is the correct name rather than calling it "Lake Elsinore" Stadium. Ms. DeGrave indicated that she could make that change.

- **Logistics**
  The preparations for the Summit were discussed. For the Panel Session, the Committee agreed that three stools for the three speakers rather than a table would make sense. Ms. DeGrave will check to see if microphones could be provided for each or if only one was available and needed to be handed around by the panelists. Mr. Norton stated that the panel presenters were given the option of either introducing themselves and their introductory remarks themselves or with a PowerPoint 5-10 minutes long maximum. Mr. Norton asked Nicole Dailey to serve as the panel moderator. She agreed to serve in this role. It was also suggested that question cards could be provided to the audience with pens to allow audience members to ask their questions anonymously. The questions would then be passed to Nicole to ask the panelists. It was suggested that perhaps it would be best to include the cards at the registration desk and that questions could be also for the other presenters as well. Ms. DeGrave will arrange to have the notecards and pens available.

In regard to the introduction of the Summit, it was suggested that Mr. Norton start the meeting and recognize all the elected officials and then introduce the LESJWA Chair, Robert Magee. Mr. Magee would make a few brief remarks and then turn the proceedings back over to Mr. Norton for the first presentation.

For the video presentation at lunch hour, Ms. DeGrave suggested showing the LESJWA updated video instead of the Canyon Lake alum application video this time because the Canyon Lake alum application had been shown at the last LESJWA Summit and since the LESJWA video provides a good overall summary of the past LESJWA activities. The Committee agreed.

- **Powerpoints**
  Mr. Norton said that he has contacted all the speakers and asked that they provide their powerpoint presentations to him which he would pass on to Ms. DeGrave to compile onto her laptop. The Committee advised Ms. DeGrave to arrive early with the Diamond Club audiovisual staff to ensure that all audiovisual equipment was working, and all necessary connection cords were available. There have been times in the past when this was not done for other City events and there was no sound for a video that was shown.

- **Event Agenda**
  The Committee recommended that the space between "Panel Session" and "TMDL Update and Compliance Strategies" be either eliminated or reduced so that it will look more like one topic as intended. This was also suggested for the "Canyon Lake and Lake Elsinore: TMDL Update Impacts and Our Lakes Future" and "Special Lunch Hour Keynote". The title of that last topic would be revised slightly to end in "Future of the Lakes" instead of "Our Lakes Future". The location of the LESJWA Summit on the agenda should also be changed to reflect "Diamond Stadium" instead of "Lake Elsinore Stadium". The LESJWA website was also suggested to be added at the very bottom of the agenda.

8. Discuss Items for Next Agenda

No items were discussed.

9. Schedule Next Meeting Date

The LESJWA Education and Outreach Committee agreed to meet on Monday Jun. 25th, 2018 at 12 noon at EVMWD.

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Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

LESJWA Education and Outreach Committee
Meeting Notes
January 9, 2018

Members Present: Mark Norton, Chair, SAWPA
Bonnie Woodrome, EVMWD
Nicole Dailey, City of Lake Elsinore

Others Present: Liselle DeGrave, DeGrave Communications
Jessica Sanchez, City of Lake Elsinore (City Manager Intern)
Anthony Swanson, City of Lake Elsinore (Intern)

Members Absent: Scott Bruckner, Riverside County Executive Office
Vicki Warren, City of Canyon Lake

1. Call to Order

Mark Norton called the meeting to order at 12:10 pm at Elsinore Valley Municipal Water District (EVMWD), located at 31315 Chaney Street, Lake Elsinore, California.

2. Additions/Corrections to the Agenda

None

3. Approval of the Meeting Notes

The meeting notes from Oct. 17, 2017 were reviewed. The meeting notes were unanimously approved by the Committee.

4. Lake Levels

- The most current lake levels at Lake Elsinore are 1236.97 (Jan. 4), and 1375.90' at Canyon Lake (Jan. 4). The lake levels recorded prior to our last meeting at Lake Elsinore were 1237.34 (Oct. 9) and Canyon Lake at 1376.56 (Oct. 9). The Committee noted that the elevation has probably increased a bit due to recent rains that occurred on Jan. 9 & 10. The dam spill elevation is 1381.76 so several feet of additional water elevation is needed to fill Canyon Lake, overtop the dam and flow into Lake Elsinore.

5. Temescal High School Assembly Presentation

- The presentation to the Temescal Canyon High School is scheduled for Wednesday, Jan. 24, 2018 from 11:27 a.m. – 12:15 p.m. at the TCHS Theater. About 300-350 students are expected. Liselle DeGrave has reached out to the high school teacher whose students wrote letters to the city mayors last year asking about the lakes and their quality. She would like to request 5-6 specific questions which the speakers can address in the presentation. The plan for the presentation would first be a welcome by the LESJWA Chair, Robert Magee, and then a power point presentation by Mark Norton, LESJWA Administrator. Thereafter Mr. Norton will discuss answers to the questions and provide an opportunity

to the Bob Magee, City of Lake Elsinore and Vicki Warren, City of Canyon Lake to also weigh in. Mr. Norton is updating the draft powerpoint presentation that Ms. DeGrave prepared to ensure it reflects all the major issues. Mr. Norton will forward his presentation to Bob Magee and Vicki Warren. He will also confirm whether Vicki will be at the presentation.

6. LESJWA Water Summit

The Committee discussed the planning for the next LESJWA Water Summit scheduled for April 18, 2018 at the Diamond Club Lake Elsinore Stadium. Ms. DeGrave shared a Summit event plan which included a timeline of activity. The upcoming logistics activities were discussed. Valuable input was provided by the Committee on some revised start time and end time (now 9:30 am – 1:30 pm) for the Summit and a suggestion for a panel session instead of some of the formal presentations. Mr. Norton will revise the Summit agenda and send out a new one to Ms. DeGrave to reflect these suggested revisions. The budget of the event was shared and registration originally estimated to be about $45/registrant. With the elimination of the Continental Breakfast, the costs per registrant will be reduced somewhat. The Eventbrite format was discussed and the Summit speakers, Tim Moore, Hope Smythe, Pat Boldt, Jason Uhley and others will be shown as well as a link to the agenda. The major highlights of the Summit will be the presentations about the TMDL Update as well as Lake Elsinore Advanced Pumping Storage Project (LEAPS) proponents.

Sponsors will be sought with two levels of sponsorship. Letters to consultants will be sent by Ms. DeGrave to request their participation as sponsors. Checks will be sent directly to LESJWA rather than to DeGrave Communications. The sponsorship letter and Summit invite letter were reviewed and comments will be forwarded. The hope is that about 100 attendees can attend. All speakers and LESJWA Board members will be compensated for their registration costs and meals.

8. Discuss Items for Next Agenda

No items were discussed.

9. Schedule Next Meeting Date

The LESJWA Education and Outreach Committee agreed to meet on Tuesday Mar. 20th 2018 at 12 noon at EVMWD.

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

Lake Elsinore San Jacinto Watersheds Authority
Public Education and Outreach Program

Quarterly Activity Report
January – March 2018

During the months of January – March 2018, DeGrave Communications conducted communication support for LESJWA, in accordance to the public education and outreach program contract set forth in the original proposal for services. The following includes a summary of all outreach efforts conducted on LESJWA's behalf.

Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

TASK 1 Conduct Outreach Services in Canyon Lake and Lake Elsinore

During the third quarter of the 2017-2018 fiscal year, DeGrave Communications provided counsel in response to the Temescal Canyon High School students' letters addressed at the lake conditions in Lake Elsinore and Canyon Lake. As follow-up to the LESJWA letter that was sent to teacher, Shaun Galvan, DeGrave Communications coordinated an assembly-style meeting scheduled for January 24 at 11:25 at Temescal High School. Attendance included: Mark Norton (SAWPA), Vickie Warren (City of Canyon Lake), Nicole Dailey (City of Lake Elsinore), Jessica Sanchez (City of Lake Elsinore), Bonnie Woodrome (Elsinore Valley Municipal Water District), Jacob Shiba (Elsinore Valley Municipal Water District) and Liselle DeGrave (DeGrave Communications). Presentations from Mark Norton and Nicole Dailey were shared.

Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

AGENDA

Temescal Canyon High School Student Presentation

DATE: Wednesday, January 24, 11:27 a.m. – 12:15 p.m.

LOCATION: Temescal Canyon High School Theater, 28755 El Toro Rd, Lake Elsinore

STUDENTS: 380+ chemistry students

STUDENTS' AREA OF STUDY: Toxins unit - an exploration of how toxins are defined, how chemists determine toxicity, and the mechanisms by which toxic substances act in our bodies and what this has to do with chemical reactions. The 2014 Flint Michigan Lead Crisis and Lake Elsinore's algae bloom problem.

11:30 - 11:35 a.m. Welcome and intro to Lake Elsinore, *Council Member Bob Magee*
- Intro to Lake Elsinore
- Acknowledge involvement in LESJWA
- Acknowledge being aware of challenges of Lake Elsinore, which Mark will share more about
- Collaboration between public and private organization has been and will continue to be critical for the future of Lake Elsinore

11:35 - 11:40 a.m. Intro to Canyon Lake, *Mayor Vicki Warren*
- Intro to Canyon Lake
- Acknowledge involvement in LESJWA
- Acknowledge being aware of challenges of Canyon Lake, which Mark will share more about
- Collaboration between public and private organization has been and will continue to be critical for the future of Canyon Lake
- These partnerships have made solutions, such as the alum treatments possible

11:40 a.m. - 12:10 p.m. Main presentation, *LESJWA Administrator Mark Norton*
- Intro and background on LESJWA
- Watershed boundaries
- Canyon lake features
- Canyon Lake challenges
- Lake Elsinore features
- Lake Elsinore challenges
- Algae toxins
- Solutions: How LESJWA in collaboration with other agencies (including the cities) have implemented projects that benefit the watershed
- Projects
- Why our lakes may not look "blue" or like other well-recognized freshwater lakes
- How students can help
- Limitations
- Looking ahead

12:10 - 12:15 p.m. Comments/Closing, *teacher Shaun Galvan*

DEGRAVE
COMMUNICATIONS
PUBLIC RELATIONS

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

LESJWA Water Summit - Planning for the 2018 LESJWA Water Summit is underway. DeGrave Communications has been responsible for the management of the event including: promotion, attendance, signage, logistics, media outreach, sponsorships and coordination with venue.

AGENDA
2018 LESJWA
WATER SUMMIT

April 18, 2018, 9:30 a.m. – 1:00 p.m.
Diamond Stadium, Diamond Club
500 Diamond Drive, Lake Elsinore, CA 92530

Registration
9:30 a.m. - 10:00 a.m.

Welcome
LESJWA Chair, Robert E. Magee
10:00 a.m. - 10:05 a.m.

LESJWA Accomplishments and Recent Lake Activities
Mark Norton, LESJWA Authority Administrator
10:05 a.m. - 10:30 a.m.

Panel Session: TMDL Update and Compliance Strategies
Hope Smythe, Executive Officer, Santa Ana Regional Water Quality Control Board
Jason Uhley, General Manager, Riverside County Flood Control and Water Conservation District
Pat Boldt, Executive Director, Western Riverside County Agricultural Coalition
10:30 a.m. - 11:25 a.m.

Break

Lake Elsinore Advanced Pumped Storage (LEAPS) Project
Greg Kahlen, The Kahlen Group
11:40 a.m. - 12:00 p.m.

Lunch Served (Video Presentation)
12:00 p.m. - 12:20 p.m.

Lunch Keynote: TMDL Update Impacts and the Future of our Lakes
Tim Moore, Risk Sciences
12:20 p.m. - 1:00 p.m.

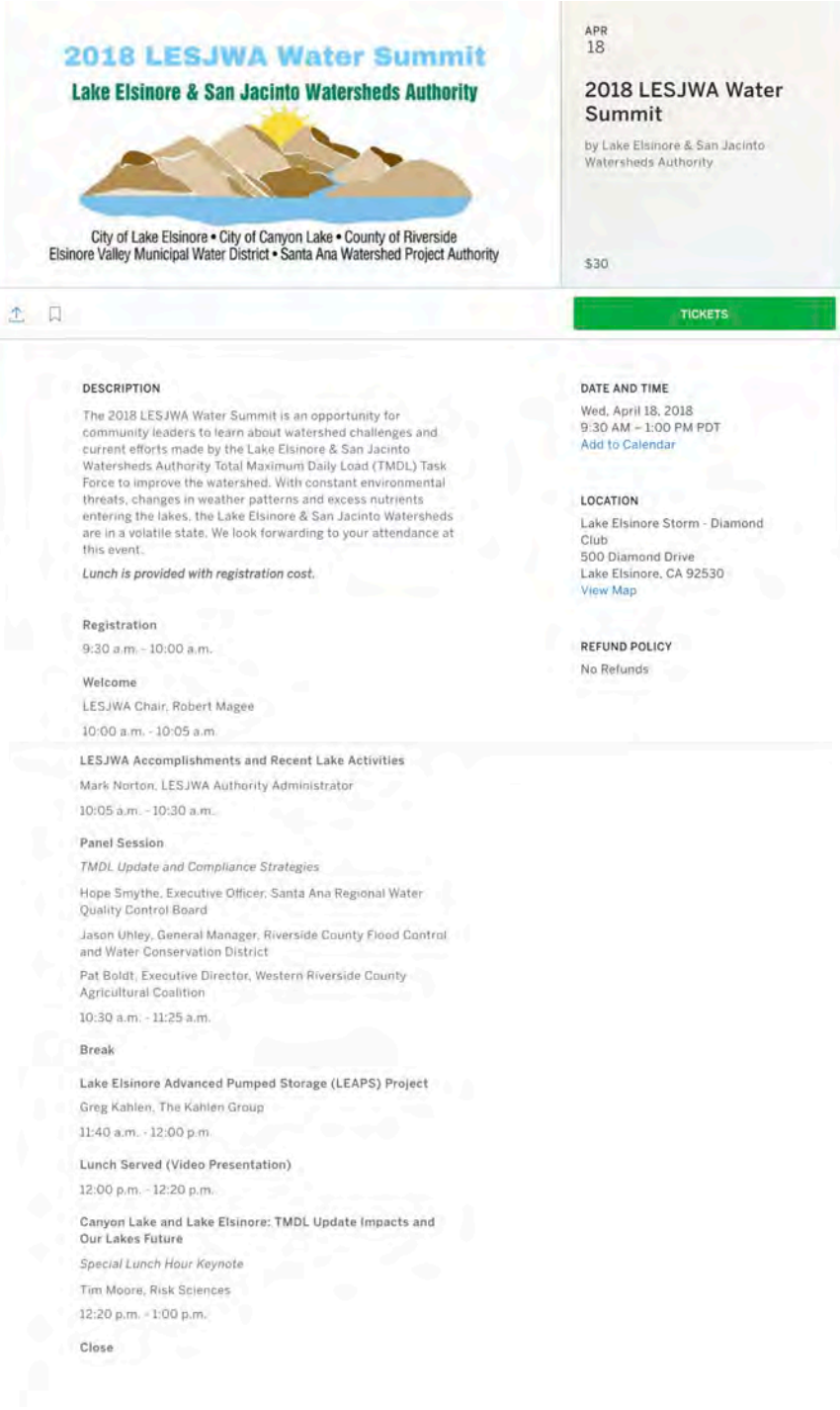
Close

Lake Elsinore & San Jacinto Watersheds Authority
LEAPS | THE HYDRO COMPANY
WESTERN MUNICIPAL WATER DISTRICT

Amec Foster Wheeler • GEI Consultants, Inc. • Riverside County Flood Control & Water Conservation District

MyWatersheds.com @LESJWA

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS



DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

Wednesday, April 18, 2018
9:30 a.m. to 1:30 p.m.
The Diamond Stadium - Diamond Club
500 Diamond Drive, Lake Elsinore Registration
$30 per person, lunch included

Register Now!

Your agency is a stakeholder in the Lake Elsinore and Canyon Lake Total Maximum Daily Load (TMDL) Task Force and an active partner in improving watershed challenges throughout the San Jacinto Watershed. As a stakeholder, your agency has worked with the Santa Ana Regional Water Quality Control Board to implement watershed monitoring, mitigation projects, modeling and a variety of other solutions to meet TMDL targets.

This year, the task force will complete critical revisions to the TMDLs. These revisions will impact your agency. The Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) would like to invite you to our 2018 Water Summit to learn more about these TMDLs and how these revisions may affect your agency. Therefore, we highly encourage you and other key representatives from your agency to join us at this event.

In addition, you will learn about lake accomplishments and possible future activities; the Lake Elsinore Advanced Pumped Storage (LEAPS) Project, a proposed hydroelectric facility; and future impacts of the TMDL on the watershed. A panel session will be included with representatives from the Santa Ana Regional Water Quality Control Board, Riverside County Flood Control and Water Conservation District and the Western Riverside County Agricultural Coalition who will discuss how agencies are addressing TMDLs and improving their overall impact on water quality.

The 2018 Water Summit will take place on **Wednesday, April 18, 2018** from 9:30 a.m. to 1:30 p.m. (registration is at 9:30 a.m., the event begins at 10 a.m.). The event will be held at Diamond Stadium in the Diamond Club located at 500 Diamond Drive, Lake Elsinore, CA 92530. Registration is $30 and will include lunch. **Register online** or contact Liselle DeGrave of DeGrave Communications at (951) 764-0865 or email directly at liselle@degravepr.com.

We look forward to your participation!

Regards,

Supervisor Marion Ashley Supervisor Kevin Jeffries LESJWA Chair Bob Magee

View Event Agenda

Sponsor Application Click Here!

SPONSORSHIP OPPORTUNITIES

Presenting Sponsor
$1,000
Event booth space
Logo on opening PPT
Large logo on event signage, e-invitation & collateral
Ability to put collateral material on all event tables
4 meal tickets

Supporting Sponsor
$500
Event booth space
Name on event signage & collateral
2 meal tickets

Lake Elsinore & San Jacinto Watersheds Authority
11615 Sterling Avenue
Riverside, CA 92503

See what's happening in the watersheds on our Facebook page

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Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

The Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) looks forward to hosting the 2018 LESWJA Water Summit, an event for regional decision makers, elected officials and government organization leaders to learn about future projects impacting the San Jacinto River Watershed, Lake Elsinore and Canyon Lake and new regulations that being modified which will affect future water quality compliance.

As one of LESJWA's valued partners in enhancing watershed conditions, we invite your organization to participate as a sponsor. The event will take place on Wednesday, April 18th from 8:00 a.m. – 1:00 p.m. at the Lake Elsinore Storm Stadium Diamond Club. To register as a sponsor please fill out the enclosed sponsor application. In order for logos to be included on collateral materials, sponsorship payments must be made by March 26. For questions regarding sponsorships, contact Liselle DeGrave at **LDeGrave@DeGravePR.com** or **951-764-0865**.

Thank you in advance for your support,

Mark R. Norton PE, LEED AP, ENV SP
LESJWA Administrator
Santa Ana Watershed Project Authority

www.MyWatersheds.com

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Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

2018 LESJWA Water Summit

Sponsorship Form

Presenting Sponsor

$1,000
Event booth space
Logo on opening PPT
Large logo on event signage, e-invitation & collateral
Ability to put collateral material on all event tables
4 meal tickets

Supporting Sponsor

$500
Event booth space
Name on event signage & collateral
2 meal tickets

Organization Name: _____

Contact Name: _____

Contact Phone: _____

Contact Email: _____

Sponsorship Level:

Presenting Sponsor

Supporting Sponsor

Send sponsorship form to:
Liselle@DeGravePR.com

Make checks payable to:
Lake Elsinore & San Jacinto Watersheds Authority

Mail checks to:
LESJWA, Attention: Mark Norton
11615 Sterling Avenue, Riverside, CA 92503

Attendees:

Name: _____
Entree: Rosemary Chicken Tri-tip Vegetarian Pasta

Name: _____
Entree: Rosemary Chicken Tri-tip Vegetarian Pasta

Name: _____
Entree: Rosemary Chicken Tri-tip Vegetarian Pasta

Name: _____
Entree: Rosemary Chicken Tri-tip Vegetarian Pasta

www.MyWatersheds.com

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Splash into Spring - On March 23, the DeGrave Communications team represented LESJWA at the Elsinore Valley Municipal Water District Splash into Spring event. Pencils were distributed, Bessie the Bass coloring sheets were available and photos with Bessie were offered. Additionally, a watershed map was set-up at the booth. Infographics and brochures were available to visitors.

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

TASK 2 Address Canyon Lake and Lake Elsinore Community Members Through Media Outreach Services

Media outreach was conducted for the February alum applications via a public service announcement. Information was posted and printed to The Friday Flyer. Additionally, a media advisory has been drafted for the upcoming Water Summit. Media outreach for the Summit will begin in April.

Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

ANNOUNCEMENT OF PUBLIC NOTICE
TO CANYON LAKE COMMUNITY
Canyon Lake Alum Application, February 12-16, 2018

Lake Elsinore & San Jacinto Watersheds Authority (LESJWA), is informing the Canyon Lake community that doses of alum will be applied to the lake in the main body, east bay and the area north of the causeway from February 12-16, 2018. Stormwater runoff carries with it high levels of nutrients including nitrogen and phosphorus that hurt water quality and threaten aquatic life. This dose will be the seventh Canyon Lake alum application that has taken place.

Alum, the method selected to provide the best results for Canyon Lake, has a proven track record of success and is safe to both humans and aquatic life. Drinking water quality will not be affected by any of the treatment options. Canyon Lake will remain open during the entire treatment process. Recreational users will experience little disruption during treatment application and implementation.

In order to comply with water quality regulations enforced by the State through the local Santa Ana Regional Water Quality Control Board, the Lake Elsinore & Canyon Lake Nutrient Total Maximum Daily Load (TMDL) Task Force using local stakeholder funding to continue alum water treatments in Canyon Lake. The TMDL Task Force evaluated several options during the CEQA process and determined that alum application provides the best option as a step to effectively treat the entire lake in a timely manner with minimal impact to Canyon Lake residents.

Alum Schedule (subject to change)

- Thursday, Feb. 8 — Pre-alum dosing monitoring
- Sunday, Feb. 11 — Mobilize equipment/ boat inspection
- Monday, Feb. 12 — Holiday Harbor — 7:00 a.m. - 4:00 p.m.
- Tuesday, Feb. 13 — Holiday Harbor — 7:00 a.m. - 5:00 p.m.
- Wednesday, Feb. 14 — Holiday Harbor — 7:00 a.m. - 3 p.m.
- Thursday, Feb. 15 — East Ramp — 7:00 a.m. - 2:00 p.m.
- Thursday, Feb. 15/16 — North Causeway — Pending (late afternoon)

Canyon Lake Alum Application video - https://youtu.be/D0iUtkTVGnc

For daily operational updates visit - www.canyonlakealum.wordpress.com

ADDITIONAL INFORMATION:
Mark Norton, Lake Elsinore & San Jacinto Watershed Authority
951-354-4221 MNorton@sawpa.org

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Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

MEDIA ADVISORY
April 1, 2018

2018 LESJWA WATER SUMMIT

The Lake Elsinore & San Jacinto Watersheds Authority is pleased to host the 2018 LESJWA Water Summit and share with Riverside leaders, detailed presentations on how the current drought is impacting our region, what LESJWA is doing to further protect the local watersheds, accomplishments made and upcoming major projects to help reach water quality goals.

Date: Wednesday, April 18, 2018, 9:30 a.m. – 1:00 p.m.

Location: Diamond Stadium, Diamond Club
500 Diamond Drive Lake Elsinore, CA 92530

Photo Ops: Riverside County Leaders presenting on local water issues

RSVP: Liselle DeGrave, Liselle@DegravePR, 951-764-0865

Schedule:

Registration	9:30 a.m. - 10:00 a.m.
Welcome	10:00 a.m. - 10:05 a.m.
LESJWA Accomplishments and Lake Activities	10:05 a.m. - 10:30 a.m.
Panel Session	10:05 a.m. - 10:30 a.m.
TMDL Update and Compliance Strategies	10:30 a.m. - 11:25 a.m.
Break	11:25 a.m. - 11:40 a.m.
LEAPS Project	11:40 a.m. - 12:00 p.m.
Lunch Served (Video Presentation)	12:00 p.m. - 12:20 p.m.
Canyon Lake & Lake Elsinore: TMDL Update Impacts and Our Lakes Future	
Special Lunch Hour Keynote	12:20 p.m. - 1:00 p.m.
Close	

For full schedule see attached agenda

Presenters: LESJWA Chair/ City of Lake Elsinore City Councilmember, Robert Magee; Executive Officer for the Santa Ana Regional Water Quality Control Board, Hope Smythe; General Manager - Chief Engineer for the Riverside County Flood Control and Water Conservation District, Jason Uhley; Executive Director for the Western Riverside County Agricultural Coalition, Pat Boldt; President of The Kahlen Group, Greg Kahlen and President of Risk Sciences, Tim Moore.

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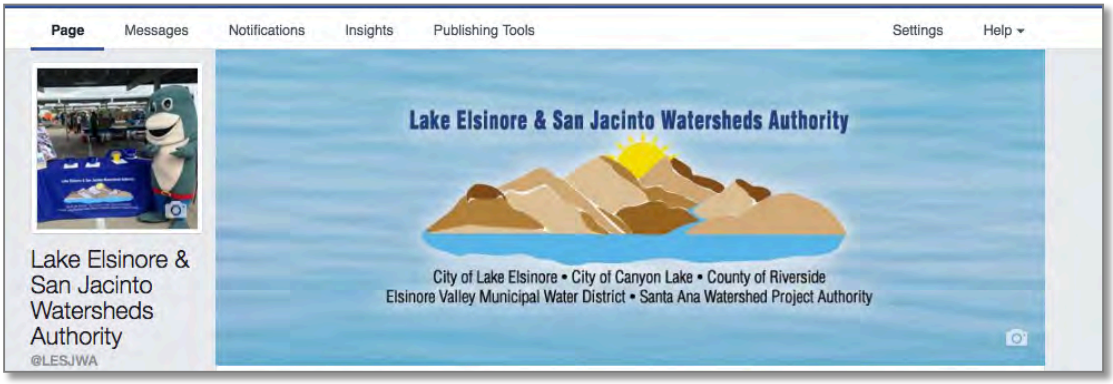
The Lake Elsinore & San Jacinto Watersheds Authority is a joint powers authority entrusted with state and local funds to improve water quality and wildlife habitats in Lake Elsinore, Canyon Lake, and the surrounding San Jacinto watershed. For more information about LESJWA, please visit www.mywatersheds.com

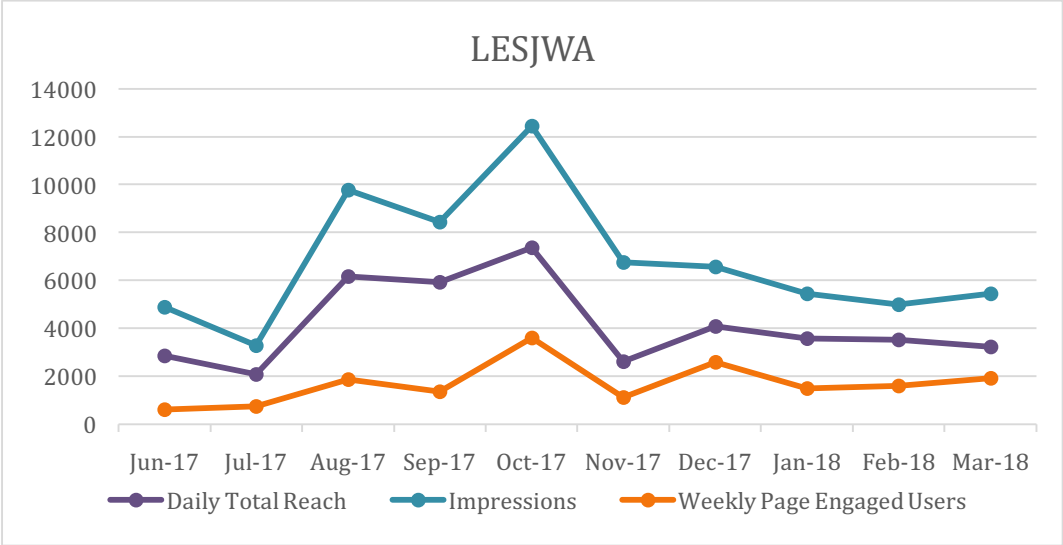
DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

TASK 3 Prepare Materials and Establish/ Manage Facebook Social Media

DeGrave Communications also continued to manage the LESJWA Facebook page. The Facebook page is used to send out messaging on LESJWA, share about stories pertaining to the watershed and also community events. Reach, engagement and impressions were trending up at the end of December. Increases to interactions are linked to paid boosts and posting community-related events. Number of fans and followers are being maintained.

Launched: October 6, 2016
Likes: 978
Followers: 982





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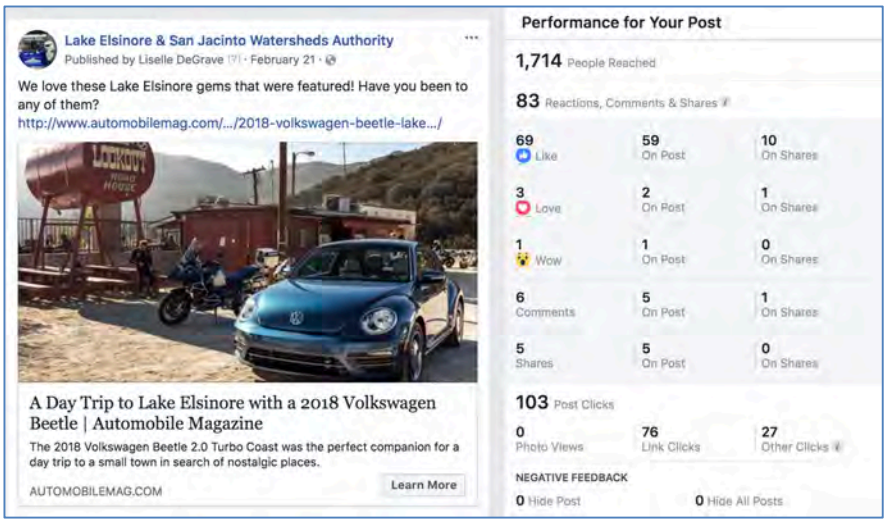
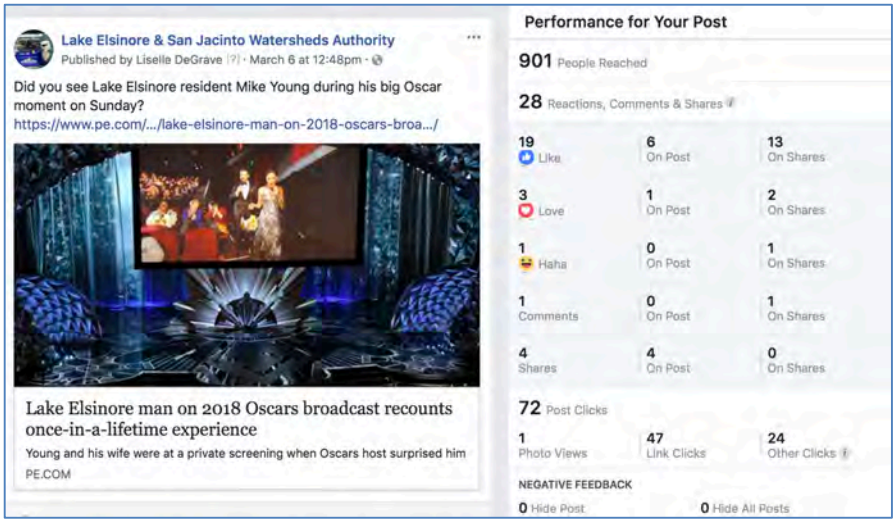
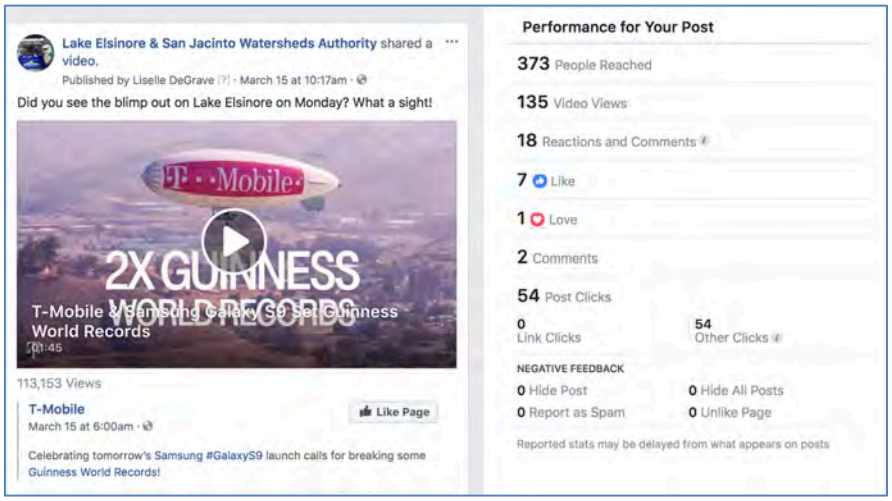
POST HIGHLIGHTS







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PUBLIC RELATIONS

TASK 4 Provide Outreach and Administration for Project Management Purposes

DeGrave Communications provided administrative support relating to the quarterly education and outreach committee meeting on March 26th. Additionally, media monitoring for news clips was provided.

CANYON LAKE PHOSPHORUS MANAGEMENT PROGRAM

HOME ABOUT MAP

Updates on The Alum Treatment Project for Canyon Lake from Aquatechnex

Next Alum Treatment Scheduled for Week of February 12th

january 19, 2018 by aquatechnex | Leave a comment

Aquatechnex biologists will be performing the next alum treatment to Canyon Lake the week of February 12th, 2018. Our plan is to mobilize and set up at Holiday Harbor and treat the main lake starting Monday morning. It generally takes 2-3 days to complete main lake treatment. We will then be moving to the East Ramp and treated the East Bay. We will be updating this site daily during the treatment so check back if your interested.

Advertisements

AUTOMATTIC

CANYON LAKE'S NEWSPAPER • FEBRUARY 9, 2018

POA approves funds for new community mailboxes Pg. A4

Elsinore High School wins 2018 Academic Decathlon Pg. A9

EVMWD to host Spring into Splash Water Festival Pg. A15

THE FRIDAY FLYER

Lake to receive 8th alum treatment

BY DONNA RITCHIE

Canyon Lake will receive its 8th alum treatment Feb. 12 through Feb. 16. Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) will be applying doses of alum to the lake in the main body, east bay and the area north of the causeway.

Aquatechnex biologists will be treating Canyon Lake with aluminum sulfate to sequester and remove phosphorus as part of the Total Maximum Daily Load (TMDL) Task Force. The plan is to mobilize equipment to Canyon Lake on Feb. 11 and begin the alum treatment on Feb. 12.

Treatments will be applied to the main body of the lake on Feb. 12 from 7 a.m. to 4 p.m., Feb. 13 from 7 a.m. to 5 p.m. and Feb. 14 from 7 a.m. to 3 p.m. The east bay with the island on Feb. 15 from 7 a.m. to 2 p.m. The area north of the causeway will be treated on Feb. 15 and Feb. 16, time pending.

The lake will remain open during the entire treatment process. Recreational users will experience little disruption during treatment applications and explanations.

Alum, a naturally occurring mineral that is safe for humans and mammals, binds with phosphorus and sinks to the bottom of the lake, becoming part of the lake sediment. Because phosphorus is a critical element needed for algae to bloom, alum generally helps reduce algae production.

According to Lake Elsinore and San Jacinto Watershed Authority (LESJWA), there have been no reported incidents of fish kills or other evidence of toxicity as a result of Elsinore lake restoration activities.

When applied to lakes, alum rapidly binds with phosphorus to form a non-toxic mineral particle called aluminum phosphate. This reaction is usually complete within a few hours and the resulting particles slowly settle to the bottom after just a day or two.

Initially, the aluminum phosphate particles form a thin layer only 1 to 2 mm thick. Eventually, the particles are incorporated back into the soil.

Water officials note that in 2004, 700,000 gallons of liquid alum was applied to 1,550 acres of Big Bear Lake without any adverse effect to fish, aquatic organisms, birds or other wildlife. Afterward, Big Bear observed a 90 percent improvement in water clarity in the month following the alum application.

According to LESJWA spokesperson Mark Norton, alum has a proven track record of success and is safe to both humans and marine life. Drinking water quality will not be affected by any of the treatment options.

The (TMDL) Task Force evaluated several options during the CEQA process and determined that alum application provides the best option as a step to effectively treat the entire lake in a timely manner with minimal impact to residents.

The project is being funded by a state grant and by the Lake Elsinore and Canyon lake TMDL Task Force, which consists of cities, the County of Riverside, agriculture and dairy coalitions and other organizations in the San Jacinto River watershed.

Implementation of the alum project is being coordinated by the City of Canyon Lake, the Elsinore Valley Municipal Water District, LESJWA, the TMDL Task Force and the Canyon Lake POA.

Alum Schedule (Subject to Change):

• Thursday, Feb. 8 - Precipitant dosing monitoring.

• Sunday, Feb. 11- Mobilize equipment/ boat inspection.

• Monday, Feb. 12 - Applied to main body, 7:00 a.m. to 4:00 p.m.

• Tuesday, Feb. 13 - Applied to main body, 7:00 a.m. to 5:00 p.m.

• Wednesday, Feb. 14 - Applied to Holiday Harbor, 7:00 a.m. - 3 p.m.

• Thursday, Feb. 15 - Applied to east bay, 7:00 a.m. to 2:00 p.m.

• Thursday, Feb. 15/16 - Applied to area north of the causeway, time pending (late afternoon).

Questions and Answers

Here are questions and answers supplied by LESJWA.

Q: Why is water treatment being conducted in Canyon Lake?

A: Storm water runoff carries with it high levels of nutrients including nitrogen and phosphorus that hurt water quality and threaten marine life. In order to comply with water quality regulations enforced by the State through the local Santa Ana Regional Water Quality Control Board, the TMDL (Lake Elsinore and Canyon Lake Nutrient Total Maximum Daily Load) Task Force is going to be using a state-funded grant to begin alum water treatment on Canyon Lake.

Q: What is being used to treat the water in Canyon Lake?

A: The TMDL Task Force evaluated several options during the CEQA process and determined that alum application provided the best option as a first step to effectively treat the entire lake in a timely manner with

▶▶CONTINUED PAGE A10

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PUBLIC RELATIONS

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EDITOR, THE FRIDAY FLYER

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◀◀ FROM PAGE A1

minimal impact to Canyon Lake residents.

Q: What is alum?

A: Alum (aluminum sulfate) is one of the most common minerals found on earth and has been used since Roman times for water purification. Alum is a common ingredient in cosmetics, antiperspirants, toothpaste, bath salts and antacids. It is sold as a spice in most grocery stores.

Q: How does alum reduce phosphorous?

A: Once alum has been added to the lake, it binds immediately with the phosphorous and effectively removes the opportunity for algae to grow. With less algae in the water, light can penetrate deeper into the lake allowing plants to grow at the bottom while improving the overall health and water quality of the lake.

Q: Is alum safe for humans? Marine life?

A: Alum is a safe and effective method that has been used in many lakes across the country to mitigate excess phosphorus in lakes and reservoirs, according to the North American Lake Management Society. The alum application will be well within safe levels as determined by the U.S. Environmental Protection Agency, the California Office of Environmental Health Hazard Assessment and the Center for Disease Control and will not impact humans or marine life.

Q: Will alum affect the drinking water quality of Canyon Lake?

A: No. Aluminum concentrations in the lake itself will meet the Public Health Goal for aluminum in finished drinking water within 24 hours following the alum application.

Q: How will the alum be applied?

A: The alum will be injected directly into the lake off of boats in specific areas.

Q: Will my use and access of the lake be impacted by the water treatment?

A: Recreational users will experience minimal disruption during treatment application and implementation.

Q: Will boats be allowed on the lake during the application?

A: Yes, but certain areas of the lake will be blocked off during the application process which should last only a few hours. Boats will have full lake access immediately after the application process is completed.

Q: Will beaches be closed during the application? Will it be safe to swim?

A: Some areas might be briefly closed off during the alum application, but access will be open immediately once the application process is completed. Swimmers will be able to safely enjoy the lake immediately after the application process is complete.

Q: Will fishermen be allowed to fish during the application? Are the fish safe to eat?

A: Yes, but certain areas of the lake will be blocked off during the application process which should last only a few hours. Fishermen will have full lake access immediately after the application process is completed. There is no negative affect on aquatic life as a result of the alum application.

Q: Will there be any visual impacts with the water treatment?

A: No. In fact, Canyon Lake's water clarity should improve immediately once the alum is applied.

Q: Can the material at the bottom of the lake become active again?

A: No, once the alum binds with the lake sediment it becomes inert and very stable.

Q: Is there a threat to Lake Elsinore when Canyon Lake overflows during high water levels?

A: No. By the time Canyon Lake water would reach Lake Elsinore, it would not contain alum since it would have been bound to the lake sediment of Canyon Lake. Even under severe storm water runoff events, if Canyon Lake sediment were to be carried downstream in an overflow event, the alum applied in Canyon Lake would remain inert and would have no effect on the downstream lake water quality or habitat.

Q: Will boating be allowed?

A: Yes. We are going to allow boating, but under a yellow status (5 mph) and no skiing or wake boarding because of the lower speed.

Q: Can we go in the water immediately after the treatment?

A. You certainly can. It's the same as bath salts. To give an idea, it's about the equivalent of one aspirin to 25 gallons of water. It's no more toxic than holding a penny.

Q: Will fish have a response?

A: None whatsoever. If you see a dead fish in the water afterward, it died of natural causes.

Q: Why not remove the silt instead?

A: Costs, and there are too many to mention. Not to mention where to put all that silt.

For more information about LESJWA, visit mywatersheds.com. For updates on Canyon Lake alum treatments, visit canyonlakealum.wordpress.com.

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

TRENDING Is Canyon Lake prepared in the event of a disaster? Public Notices / DBA Information

THE FRIDAY FLYER

HOME COMMUNITY NEWS POA NEWS PHOTOS CLASSIFIEDS PLACE AN AD ARCHIVES CONTACT US

YOU ARE AT: Home » Articles » Lake to receive 8th alum treatment

Lake to receive 8th alum treatment

BY DONNA RITCHIE ON FEBRUARY 9, 2018 COMMUNITY NEWS

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Implementation of the alum project is being coordinated by the City of Canyon Lake, the Elsinore Valley Municipal Water District, LESJWA, the TMDL Task Force and the Canyon Lake POA.

Alum Schedule (Subject to Change):

- Thursday, Feb. 8 – Pre-alum dosing monitoring
- Sunday, Feb. 11- Mobilize equipment/ boat inspection
- Monday, Feb. 12 – Applied to main body, 7:00 a.m. to 4:00 p.m.
- Tuesday, Feb. 13 – Applied to main body, 7:00 a.m. to 5:00 p.m.
- Wednesday, Feb. 14 – Applied to Holiday Harbor, 7:00 a.m. – 3 p.m.
- Thursday, Feb. 15 – Applied to east bay, 7:00 a.m. to 2:00 p.m.
- Thursday, Feb. 15/16 – Applied to area north of the causeway, time pending (late afternoon).

SECTIONS

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Canyon Lake, CA
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10:29 am PST
Partly sunny

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DEICING FLUID TREATMENT
See slideshow of airports that use Aerated Gravel Beds for Treatment

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The Friday Flyer
3 hours ago

The alum treatment begins today.

Lake to receive 8th alum treatment | The Friday Flyer
fridayflyer.com
Photo by Pat Van Dyke. Photo by Pat Van Dyke. Photo by Pat Van Dyke. Photo by Pat Van Dyke. Lake to receive 8th alum treatment 0 By Donna Ritchie on February 9, 2018 Community News Canyon Lake will receive its 8th alum treatment Feb. 12 through Feb. 16. Lake Elsinore & San Jacinto Watersheds Author...

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Tuesday, February 27, 2018

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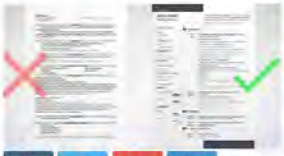
Canyon Lake alum applications resume

by Tony Ault on February 19, 2018 - No Comment



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Alum applications were resumed in Canyon Lake in the continuing effort to reduce high levels of nutrients from stormwater runoff that hurt the quality of water and threaten aquatic life and for safe boating passage.

The Lake Elsinore & San Jacinto Watersheds Authority announced to the Canyon Lake community earlier this month that the doses of alum will be resuming beginning Feb. 12 through Feb. 16 in the main body, east bay and north of the causeway.

The alum treatments are made to combat the high levels of nutrients including nitrogen and phosphorus that feed algae growing in the lake that has reportedly impeded safe boating in the past. The dose is the seventh Canyon Lake alum application that has taken place since 2016.

Alum, the method selected to provide the best results for Canyon Lake, has a proven track record of success and is safe to both humans and aquatic life. Drinking water quality will not be affected by any of the treatment options. Canyon Lake remained open during the entire treatment process with recreational users experiencing little disruption during treatment application and implementation.

In order to comply with water quality regulations enforced by the state through the local Santa Ana Regional Water Quality Control Board, the Lake Elsinore & Canyon Lake Nutrient Total Maximum Daily Load task force is using local stakeholder funding to continue the alum water treatments in the lake.

The TMDL task force evaluated several options during the CEQA process and determined that alum application provides the best option as a step to effectively treat the entire lake in a timely manner with minimal impact to Canyon Lake residents.

The group had scheduled Thursday, Feb. 8, for pre-alum dosing monitoring with equipment mobilization and boat inspection, Sunday, Feb. 11. The application was set to begin in Holiday Harbor and continue Thursday, Feb. 15, and Friday, Feb. 16, in the North Causeway.

A Canyon Lake Alum Application video may be seen at https://youtu.be/D0iUtkTVGnc. Daily operational updates are given at www.canyonlakealum.wordpress.com.

For more information contact Mark Norton, Lake Elsinore & San Jacinto Watershed Authority at (951) 354-4221 or *MNorton@sawpa.org*.

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

Monday, February 12, 2018

VALLEY NEWS

Federal commission seeks more information on LEAPS project

by Newsroom on February 10, 2018 · No Comment

Hannah Whitley

valleystaff@reedermedia.com

The Federal Energy Regulatory Commission (FERC) has indicated that it has more questions about a proposed hydroelectric project for the Lake Elsinore area and has deemed an application for the project as incomplete, according to documentation from the agency.

The Lake Elsinore Advanced Pump Storage Project, or LEAPS, would create a 2410-foot dam in Decker Canyon in the Cleveland National Forest using water from Lake Elsinore that would be pumped up and then back down in order to generate electricity. It would also add approximately 30 miles of transmission lines that would cross the Cleveland National Forest.

The Project is designed to generate approximately 500 megawatts of electricity that could last up to about 12 hours. That's about a quarter of what the now defunct San Onofre Nuclear plant could produce. The proposed project is part of a larger effort to help California in its goal to make 50 percent of its energy produced into renewable energy.

A 10-page letter sent on Jan. 3 to the Nevada Hydro Company, the entity behind the project, says the application for LEAPS was missing important and up-to-date information, including where the project would get additional water to maintain certain lake levels, how water quality impacts could be mitigated and what the project's impacts to cultural resources might be.

Nevada Hydro will have 90 days from the time the letter was written to pen a response.

This is not the first time the project has been considered at the federal level. In 2004, Nevada Hydro and Elsinore Valley Municipal Water District filed the first application for the LEAPS.

FERC decided to prepare an Environmental Impact Statement on the project with consideration to the National Environmental Policy Act following the application.

The final Environmental Impact Statement arrived in 2007, and FERC proposed adjustments to the initial application.

The first request suggested relocating the upper reservoir from Morrell Canyon to Decker Canyon, so as not to disrupt recreational hang gliding as well as for environmental concerns. It was also suggested that the site for an underground powerhouse also be moved.

In July of 2011, the Nevada Hydro Company and Elsinore Valley Municipal Water District ended their alliance on LEAPS due to a disagreement in water quality licensing.

Nevada Hydro readmitted its application to FERC in May of 2017 and filed its final application with the Federal Energy Regulatory Commission (FERC) on October 2, 2017.

Since then, Nevada Hydro has received over 200 letters from the City of Lake Elsinore opposing the project for concerns over geotechnical, aquatic and terrestrial wildlife, water quality, city recreation, effects of daily lake fluctuations, heritage resource protection, road use and transportation, construction noises and vibrations and prospected property values.

Hydropower refers to the relationship between water and Earth's gravity to create power. Early forms of water power like water mills and the Hoover Dam built in the 1930's, spurred the interest in renewable energy that

Since then, Nevada Hydro has received over 200 letters from the City of Lake Elsinore opposing the project for concerns over geotechnical, aquatic and terrestrial wildlife, water quality, city recreation, effects of daily lake fluctuations, heritage resource protection, road use and transportation, construction noises and vibrations and prospected property values.

Hydropower refers to the relationship between water and Earth's gravity to create power. Early forms of water power, like water mills and the Hoover Dam built in the 1930's, spurred the interest in renewable energy that

crafted the development of hydroelectricity.

A form of hydroelectricity today is pump-storage, which uses a dam to create a large reservoir of water with a second, lower reservoir.

Water can then be pumped from the lower reservoir to the upper reservoir with a process that stores the electricity for a later time. Although a significant amount of greenhouse gases are released during the time of constructing a pump-storage system, the power plant itself releases no greenhouse gases following the initial build.

Energy storage is important in emergencies, such as power outages occurring during times of peak energy use such as the summer and winter months.

This peak demand of utilities often results in an increase in consumer energy spending, because of the low supply of energy during these times.

DEGRAVE COMMUNICATIONS
PUBLIC RELATIONS

TASK 5 Provide Issues Management Services

No issues management services were conducted during this period of time. DeGrave Communications is monitoring the resurfacing of the LEAPS project for potential communication issues that may arise.

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MEETING NOTES
OF THE
LAKE ELSINORE/CANYON LAKE TMDL TASK FORCE

February 14, 2018

PARTICIPANTS	REPRESENTATIVE
Chris Stransky	Amec Foster Wheeler
Steven Wolosoff	CDM Smith
Dianne Laurila	CASC Engineering for City of Hemet
John McNamara	CR&R
Daniel Cortese	City of Hemet
Rita Thompson	City of Lake Elsinore
Tad Nakatani	City of Menifee
Rae Beimer	Cities of Moreno Valley & Canyon Lake
Cynthia Gabaldon	City of Perris
Mike Roberts	City of Riverside
Lynn Merrill	City of San Jacinto
Andy Ramirez	City of San Jacinto
Scott Bruckner	County of Riverside
Mike Ali	Elsinore Valley Muni Water Distrct
Richard Meyeryhoff	GEI Consulting
Greg Kahlen	LEAPS/Hydro
Ankita Vyas	Michael Baker/Caltrans
Mark Smythe	Regional Water Quality Control Board
Tim Moore	Risk Sciences
Ava Moussavi	Riverside County Flood Control & WCD
Mark Norton	Santa Ana Watershed Project Authority
Michael Anderson	University of California, Riverside
Via Conference Call:	
Nicole Dailey	City of Lake Elsinore
Lauren Sotelo	March JPA
Eric Lindberg	Regional Water Quality Control Board
Pat Boldt	WRCAC

Call to Order & Introductions
The Lake Elsinore/Canyon Lake TMDL Task Force meeting was called to order at 9:03 a.m. by Mark Norton at the Santa Ana Watershed Project Authority, Riverside, California.

Meeting Notes
The Task Force deemed the Meeting Notes acceptable for the meeting held on January 17, 2018.

Discussion: Update and Revise TMDLs (CDM Smith Team & Risk Sciences)
Steven Wolosoff/CDM Smith provided a presentation on the effort to update and revise the TMDLs. This presentation focused on the following: Economic Considerations and Regional Project Cost Sharing. Mr. Wolosoff then followed with a look at the Revised TMDL Allocations.

The new SAWPA website will be updated with the presentations soon.

Discussion: Spring 2018 Canyon Lake Alum Application (LESJWA Staff)
Alum Application Week of February 12th - 16th
Rick Whetsel/SAWPA informed the Task Force that the alum application has been scheduled for this week, the week of February 12th – 16th.

Ava Moussavi/RCFC&WCD and Mark Norton went to Canyon Lake yesterday for a site visit. At that time, the application was moving smoothly, with the alum floc quickly dispersing and sinking into the lake. Based upon the weather conditions projected for the week, we do not anticipate any issues with the alum application.

Our consultant, Terry McNabb/Aquatechnex is providing daily updates on the application online. You can follow-the application by going to: www.canyonlakealum.wordpress.com

Lake Updates

Lake Elsinore

Nicole Dailey/ City of Lake Elsinore reported that the HAB monitoring being conducted by Amec Foster Wheeler continues.

Ms. Dailey also noted that the current Island Wells production is about 0.3 MGD.

Canyon Lake

No updates reported.

Task Force Administration (LESJWA Staff)

Action Item: FY 2018-19 Draft Budget

Rick Whetsel presented the Draft FY 2018-19 Budget to the stakeholders for discussion and approval.

Following discussion the Task Force recommended the following revisions to the draft budget.

- Apply $130,300 in Task Force Contingency to cover the stakeholder contribution for the following budget line items of $100,000 to revise and Update TMDL, and $25,000 for a portion of the TMDL Compliance expert.
- Remove from the budget $28,252 designated for HAB Monitoring shown at line item "Special Studies to Support the Revised TMDLs" and note if HAB monitoring is to be conducted by the Task Force, the funding will come from contingency.

Following further discussion, the Task Force decided to defer approval of the FY 2018-19 Budget until the revised budget could be reviewed and discussed with agency management.

Rick Whetsel will send out a revised draft FY 2018-19 Budget for stakeholders to review.

Status update: FY 2017-18 Outstanding Invoices and Amendment No. 1 to Task Force Agreement

Mark Norton reminded the Task Force that there are still a number of agencies that have not signed the amendment to the Task Force agreement.

Other Business

Mark Norton reminded the Task Force that LESWA will be holding a Water Summit on Wednesday, April 18th.. Invitations will be sent out to all of your governing board members. Registration for this event is $30 per person.

Schedule Next Meeting

The next LE&CL TMDL Task Force meeting is scheduled for Tuesday, March 13th at 1:30 p.m. at SAWPA.

Adjourn

The meeting adjourned at 11:30 a.m.

MEETING NOTES
OF THE
LAKE ELSINORE/CANYON LAKE TMDL TASK FORCE

January 17, 2018

PARTICIPANTS	REPRESENTATIVE
John Rudolph	Amec Foster Wheeler
Steven Wolosoff	CDM Smith
David Jensen	CDM Smith
Dianne Laurila	CASC Engineering for City of Hemet
Trip Hord	CR&R
Clarke Pauley	CR&R
Daniel Cortese	City of Hemet
Rita Thompson	City of Lake Elsinore
Nicole Dailey	City of Lake Elsinore
Tad Nakatani	City of Menifee
Rae Beimer	Cities of Moreno Valley & Canyon Lake
Cynthia Gabaldon	City of Perris
Mike Roberts	City of Riverside
Lynn Merrill	City of San Jacinto
Parag Kalaria	Elsinore Valley Muni Water District
Mike Ali	Elsinore Valley Muni Water Distrct
Nancy Horton	Elsinore Valley Muni Water District
Richard Meyeryhoff	GEI Consulting
Greg Kahlen	LEAPS/Hydro
Paul O'Neal	LEAPS/Hydro
Rex Waite	LEAPS/Hydro
John Sparks	LEAPS/Hydro
Dave Kates	LEAPS/Hydro
Ankita Vyas	Michael Baker/Caltrans
Mark Smythe	Regional Water Quality Control Board
Eric Lindberg	Regional Water Quality Control Board
Ken Theisen	Regional Water Quality Control Board
Tim Moore	Risk Sciences
Ava Moussavi	Riverside County Flood Control & WCD
Edwin Quinonez	Riverside County Flood Control & WCD
Pat Boldt	WRCAC
Mark Norton	Santa Ana Watershed Project Authority
John Rudolph	Wood (formerly Amec Foster Wheeler)
Via Conference Call:	
Lauren Sotelo	March JPA
Chris Stransky	Wood (formerly Amec Foster Wheeler)
Garth Englehorn	Alta Environmental
Rachel Johnson	Riverside County Farm Bureau
Rick Whetsel	Santa Ana Watershed Project Authority

Call to Order & Introductions

The Lake Elsinore/Canyon Lake TMDL Task Force meeting was called to order at 1:05 p.m. by Mark Norton at the Santa Ana Watershed Project Authority, Riverside, California.

Meeting Notes

Nancy Horton noted that under participants, she should be listed as representing EVMWD. Under the Lake Updates for Canyon Lake, it is the MS4 System, not WRCOG, that provides a good opportunity to get city managers engaged in the efforts of the TMDL update and revision process.

With these corrections, the Task Force deemed the October 19, 2017 Meeting Notes acceptable.

Discussion: Update and Revise TMDLs (CDM Smith Team & Risk Sciences)
Steven Wolosoff/CDM Smith provided a presentation on the effort to update and revise the TMDLs. This presentation focused on the following: Demonstration of Compliance; Economic Analysis & CEQA and Source Assessment & Allocation Updates.

The new SAWPA website will be updated with the presentations soon.

Presentation: LEAPS Project (Dr. Michael Anderson, UCR)
Proponents of Lake Elsinore Advanced Pumped Storage (LEAPS) were invited to provide the Task Force an overview of the project.

First, Rexford Wait presented an overview of the project. This was followed by a technical presentation by Dr. Michael Anderson to discuss the results from modeling studies conducted in 2006-07 for the Santa Ana Regional Water Quality Control Board and Nevada Hydro.

Due to the number of questions regarding LEAPS it was requested that a future workshop be scheduled between key members of the Task Force and the LEAPS team to further discuss how this project could support the TMDL effort for Lake Elsinore.

In relation to the discussion of LEAPS, Mark Norton wanted to move forward to item 9A of the agenda to an action item to Approve Potential New Task Force Members, this Being Nevada Hydro as the proponent of LEAPS and CR&R for their proposed composting site.

It was suggested by the Regional Board that these projects be a party of the LE&CL TMDL Task Force, as these are large projects and they have the potential to have a significant impact on TMDL compliance.

They are here today, to request to be a party of the Task Force, and as part of that are being asked to be a contributing party to the TMDL Update, with a buy-in cost of an equal share of the cost estimated at $42,421. They also will be asked to be a regular contributor to the administrative costs of TMDL Task Force starting with the upcoming FY 2018-19 Budget. In addition, the CR&R project may be allocated a share to LEAMS and/or the Canyon lake alum project.

Mr. Norton emphasized that by including these projects as part of the Task Force in no way implies approval of the projects. This is an opportunity to bring them to the table to work with stakeholders to exchange ideas.

Following discussion, a motion was put forward by Pat Boldt and seconded by Lynn Merrill to accept these two parties as new members of the LE&CL TMDL Task Force, with their monetary contributions. This does not including voting rights until all parting sign an amendment to the Task Force agreement. The motion passed unanimously.

Action Item: Consultant Contract TMDL Compliance Monitoring Program (LESJWA Staff)
Mark Norton informed the Task Force that the contract with Amec foster Wheeler is set to end at the end of this fiscal year (June 30, 2018). LESJWA staff would like the Task Force's recommendation to renew this contract, as we believe bringing on another firm at this time would be challenging and would slow down the process and potentially could be more expensive. By all accounts, Amec has done a great job in implementing the TMDL Compliance program and through all of their pro-active support for this effort.

It was the recommendation by Mark Norton that LESJWA Staff extend the Amec contract two additional years.

HAB Monitoring
Mark Norton asked the question to stakeholders if there is an interest by stakeholders in continuing the HAB monitoring by the Task Force. The cost to extend the current HAB monitoring for one year will add a cost of $25,000 to the Task Force budget.

Following a lengthy discussion, it was recommended to include $25,000 in the budget to cover this item.

Lynn Merrill suggested that we assemble all of the information available to conduct an analysis of what the value is for each Lake Elsinore and Canyon Lake for conducting HAB monitoring.

Tim Moore brought up the idea that it may possibly be in everyone's best interest if the regional board seriously considered crafting a 13267 letter, so that the HAB monitoring will become mandatory and we would be shielded from liability from collecting the data or the responsibility of how the data is used.

EVMWD Compliance Monitoring
This item is a request by LESJWA staff for the Task Force to consider combing the every three years compliance monitoring required by EVMWD (to support the quantification of benefits of LEAMS) with the TMDL compliance monitoring program.

LESJWA staff will follow up with EVMWD staff when this item becomes timely.

Discussion: Spring 2018 Canyon Lake Alum Application (LESJWA Staff)

Project Coordination Conference Call
A Canyon Lake Alum project Coordination conference call has been scheduled for 1:00 pm Friday January 19th.

Alum Application Target Week of January 29th or February 5th
The Alum application has been scheduled for the week of February 12 – 16th.

Discussion: Lake Elsinore Fishery Management Activities (LESJWA Staff)

Mark Norton noted that we are considering including this item in the Draft FY 2018-19 Budget. This will include a look at consultants and costs for a physical fish survey and fish removal. This will also include fish tissue sampling for pcb's and mercury.

Lake Updates

Lake Elsinore
Due to considerations of time, this item was tabled.

Canyon Lake
Due to considerations of time, this item was tabled.

Task Force Administration (LESJWA Staff)

FY 2018-19 Draft Budget
Mark Norton shared an early version of the Draft FY 2018-19 Budget and noted that we will have a budget prepared for our next Task Force meeting.

Tim Moore recommended that CDM Smith send out the Revised Allocations to stakeholders to give them a sense of their budget allocation.

Status update: FY 2017-18 Outstanding Invoices and Amendment #1 to Task Force Agreement
Mark Norton reminded the Task Force that there are still a number of agencies that have not signed the amendment to the Task Force agreement.

Other Business

Mark Norton informed the Task Force that on Wednesday, April 18th, LESJWA will be holding a Water Summit. Invitations will be sent out to all of your governing board members. Registration for this event is $30 per person.

Schedule Next Meeting

The next LE&CL TMDL Task Force meeting is scheduled for Wednesday, February 14th at 9:00 a.m. at SAWPA.

Adjourn

The meeting adjourned at 4:00 p.m.

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LESJWA MEMORANDUM NO. 826

DATE: April 19, 2018

SUBJECT: Election of Officers

TO: LESJWA Board of Directors

FROM: Mark Norton, P.E., Authority Administrator

RECOMMENDATION
Staff recommends that the Board of Directors nominate and approve the officers of the LESJWA Board for a two-year term through December 31, 2019.

DISCUSSION
In accordance with the LESJWA Joint Powers Agreement Article, 5.2 the rotation of LESJWA Board officers is encouraged, and the elections are to be held every two years. The current Board officers are City of Lake Elsinore – Chair, SAWPA – Vice Chair, and EVMWD – Secretary/Treasurer.

5.2 Elections.

Elections of officers shall be conducted every two years in January, in the following order: Chair, Vice Chair, and Secretary-Treasurer. It shall be a policy of the Board to encourage the rotation of the offices among the Board members.

5.3 Installation and Term.

Officers shall assume the duties of their offices after their election at the first meeting in January and shall hold office until their successors are elected and installed, except in the case of their earlier removal or resignation. Vacancies shall be filled by appointment of the Board, and such appointee shall hold office until the election and installation of his/her successor.

RESOURCES IMPACT
None at this time.

MN:dm

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LESJWA BOARD MEMORANDUM NO. 827

DATE: April 19, 2018

SUBJECT: FY 2018-2019 Budget

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION
Staff recommends that the Board of Directors approve the FY 2018-2019 LESJWA budget and invoice each LESJWA member agency at the start of the new fiscal year based on contributions levels as reflected in the budget.

BACKGROUND
The attached budget (Attachment 1) covers activities of the Authority from July 1, 2018 to June 30, 2019. It lists the existing projects, studies, and administrative costs associated with operating the agency and implementing TMDL projects. It includes the use of the remaining reserve revenue funding carried over from past member agency contributions for much of the LESJWA administrative activities and to balance the budget. Based on projections of costs for FY 2018-19, funding by member agencies and additional funding provided by the Lake Elsinore/Canyon Lake (LE/CL) TMDL Task Force will be sufficient to cover all projected JPA activities. With increased contributions from the LESJWA member agencies and funding from RCFC&WCD, LESJWA's reserve funding continues to grow and can be used for discretionary items.

The major activities planned for FY 2018-19 include administration and implementation of the many TMDL tasks for both lakes, including continuing the alum application at Canyon Lake for the water quality improvement project, implementing watershed and lake monitoring, and revision to the LE/CL nutrient TMDL.

In FY 2018-19, the main source of funding coming into LESJWA will continue to be from the TMDL parties that are supporting the TMDL implementation, as well as LESJWA's staff cost for Task Force administration. The source of this funding will be from the TMDL stakeholders; some are the LESJWA member agencies.

As indicated in the 2016 LESJWA Business Plan, one of the primary concerns with the long-term financial outlook for the organization was continued operation funding. Now with the increased funding from the LESJWA member agencies and the additional funding from RCFCWCD for the three-year term between FYE 2018-2021, sufficient funding is available for LESJWA to operate at its current operation level. The LESJWA Business Plan laid out the preferred options to deal with the future gap in the following fashion:

1. Pursue State and Federal Grant Funding
2. Decrease annual costs
3. Establish Lake Quality Improvement Contribution
4. Establish TMDL Task Force Contribution for LESJWA
5. Increase Cost Share Among LESJWA Agencies

Staff continues to monitor outside funding sources for future planning and projects that LESJWA can undertake. In the past, LESJWA was successful in obtaining a funding grant of $500,000 from SAWPA's One Water One Watershed application for State Proposition 84 Integrated Regional Water Management Implementation Round 2 Funding Program, which supports the TMDL compliance at Canyon Lake through the alum applications. This grant work effort has now been concluded and final grant payment is anticipated by late summer 2018.

Annual costs for operating LESJWA have been reduced based on past Board direction including a reduced work scope for education and outreach consulting support, the elimination of Board compensation (stipends), and cost reductions incurred by SAWPA staff in support of LESJWA.

Attachment 2, shown as additional information, reflects the final FY 2018-19 LE/CL TMDL Task Force Budget approved by the Task Force on March 13, 2018. Their budget revenue is reflected as "TMDL stakeholder contributions" under Revenue, and "TMDL-Administration," and "TMDL studies and monitoring" under Expenditures.

Staff recommends the member agency funding contribution amounts of $10,000 for SAWPA, and $20,000 each from EVMWD, the City of Lake Elsinore, City of Canyon Lake and the County of Riverside. Additional funding of $20,000/yr for FY 2017-21 from RCFC&WCD also is budgeted as agreed to by the joint funding agreement.

RESOURCES IMPACT
Funding of SAWPA staff time for LESJWA activities will be provided by TMDL stakeholder funding, grant administration funding, and local contributions from LESJWA member agencies.

MN:dm

Attachments:
1. Draft FY 2018-19 LESJWA Budget
2. FY 2018-19 LE/CL TMDL Task Force Approved Budget

DRAFT FY 18-19 BUDGET
(4-19-18)

	FY 17-18 Budget Total	FY 17-18 Actual thru 2/28/18	FY 17-18 Expected Total	FY 18-19 Budget Total
Operating Revenue				
JPA Reserve Transfer				
JPA LAIF Interest	2,440	5,300	5,500	5,000
Member & Other Agency Contributions*	100,000	110,000	110,000	110,000
JPA Adm Sub Total	102,440	115,300	115,500	115,000
TMDL Stakeholder Contributions Totals	781,435	781,435	781,435	792,712
Member Agency TMDL contributions	138,177	138,177	138,177	140,528
Other Agency TMDL contributions	443,258	443,258	443,258	521,884
TMDL Contribution Carryover Funding	200,000	200,000	200,000	130,300
LEAMS Excess Offset Credit Totals	127,824	127,824	127,824	188,700
Canyon Lake TMDL contributions	5,100	5,100	5,100	6,000
Other TMDL Agency TMDL contributions	122,724	122,724	122,724	182,700
Grant Proceeds				
Canyon Lake Hybrid Project - Alum	172,000	34,588	34,588	0
LESJWA Water Summit		1,000	1,500	
Total Revenue	1,183,699	1,060,147	1,060,847	1,096,412
Operating Expenditures				
JPA Administration				
Salaries, burden & OH (SAWPA)	73,645	53,064	73,645	76,000
Legal	500	700	850	850
Audit	5,500	5,500	5,500	5,000
Insurance	2,485	2,536	2,536	2,536
Meetings and Conference	100	31	100	100
Office Expense	60		60	60
Shipping Postage	50		50	50
Board Compensation	-	-	0	-
Other Expense	50	59	59	59
Interest Expense	50	91	91	91
Public Relations Program	20,000	14,530	21,500	20,000
JPA Adm Subto	102,440	76,511	104,391	104,746
TMDL Task Force				
TMDL - Administration (SAWPA)	129,700	80,722	129,700	138,600
TMDL studies & monitoring	438,735	348,735	483,735	451,112
Canyon Lake Lake Treatment	215,000	191,762	191,762	215,000
LEAMS Excess Offset Credit Payment	107,824	0	107,824	176,700
Total Expenditures	993,699	697,730	1,017,412	1,086,158
JPA Reserves Remaining	55,576	95,775	68,185	77,939
TMDL Reserves Remaining	534,755	850,779	483,125	255,820
* Member agency allocation - City of LE	$20,000	$20,000	$20,000	$20,000
* Member agency allocation - EVMWD	$20,000	$20,000	$20,000	$20,000
* Member agency allocation - Co of Riv	$20,000	$20,000	$20,000	$20,000
* Member agency allocation - City of CL	$10,000	$20,000	$20,000	$20,000
* Member agency allocation - SAWPA	$10,000	$10,000	$10,000	$10,000
* Other agency contribution - RCFCWCD	$20,000	$20,000	$20,000	$20,000
				$110,000

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Approved FY 2018-19 Budget: Lake Elsinore & Canyon Lake TMDL Task Force

3/13/2018

Summary Task Force Expenditures

		Approved Budget 2018-19
	Part A: Task Force Regulatory/Administrative Budget	
1.	**Task Force Administration**	**$ 88,200**
	Task Force Administrator (LESJWA)	
2.	**TMDL Compliance Expert**	**$ 75,000**
	Risk Sciences	
3	**Contingency**	**$ -**
	TMDL Task Force Part A Regulatory/Administrative Budget	**$ 163,200**
	Part B: TMDL Implementation Project Budget	
1.	**TMDL Compliance Monitoring**	**$ 176,112**
	Watershed-wide Nutrient Monitoring Program	$ 63,567
	Lake Elsinore Nutrient Monitoring Program	$ 49,410
	Canyon Lake Nutrient Monitoring Program	$ 59,134
	High Resolution Satellite Imagery	$ 4,000
2.	**Lake Elsinore Project Alternatives**	**$ 110,500**
	Fishery Management O&M	$ 100,000
	Project Administration	$ 10,500
3.	**Canyon Lake Project Alternatives**	**$ 237,600**
	Chemical Additions - Alum Dosing (2 applications annually)	$ 215,000
	Project Administration	$ 22,600
4	**TMDL Update**	**$ 105,300**
	Revise and Update TMDL	$ 100,000
	Project Administration	$ 5,300
	TMDL Task Force Part B Implementation Budget	**$ 629,512**
	Cash Reserve Reimbursement:	**$ 130,300**
	TMDL Task Force Budget Total:	**$ 662,412**

Task Force Administration

- Organize and facilitate TMDL TASK FORCE meetings,
- Perform secretarial, clerical and administrative services, including providing meeting summaries to TMDL TASK FORCE members,
- Manage TMDL TASK FORCE funds and prepare annual reports of TMDL TASK FORCE assets and expenditures,
- Act as the contracting party, for the benefit of the TMDL TASK FORCE, for contracts with all consultants, contractors, vendors and other entities,
- Seek funding grants to assist with achieving the work of the TMDL TASK FORCE and other goals and objectives of the TMDL TASK FORCE,
- Coordinate with other agencies and organizations as necessary to facilitate TMDL TASK FORCE work,
- Administer the preparation of quarterly and annual reports, as required by the TMDL Implementation Plan, and submit them as required by the TMDL Implementation Plan on behalf of the TMDL TASK FORCE,
- Coordinate and facilitate the addition of other Monitoring Programs to the Task Force,
- Provide TMDL TASK FORCE members an opportunity to comment and approve any reports or other work product developed.
- LESJWA Administration fees include a 5% escalator annually

TMDL Compliance Expert

- Serve as regulatory strategist and compliance expert for the Task Force,
- Revise and update the TMDL as part of the Triennial Review process

Task Force Agency Contributions Summary

1. Task Force Agency Allocation	Approved Budget 2018-19 Total
MS4 Co-Permittees (Total)	**$ 470,626**
Riverside County	$ 76,601
City of Beaumont	$ 13,260
City of Canyon Lake	$ 22,780
City of Hemet	$ 22,184
City of Lake Elsinore	$ 28,521
City of Moreno Valley	$ 94,995
City of Murrieta	$ 22,796
City of Perris	$ 50,275
City of Riverside	$ 22,796
City of San Jacinto	$ 22,796
City of Menifee	$ 81,052
City of Wildomar	$ 12,572
Elsinore Valley Municipal Water District (EVMWD)	**$ 12,626**
San Jacinto Agricultural Operators (WRCAC)	**$ 36,861**
San Jacinto Dairy & CAFO Operators *	**$ -**
CA Department of Transportation	**$ 22,796**
CA DF&W - San Jacinto Wetlands	**$ 16,818**
Eastern Municipal Water District	**$ 16,222**
March Air Reserve Base Joint Powers Authority	**$ 22,796**
US Air Force (March Air Reserve Base)	**$ 22,490**
CR&R (Composting Project)	**$ 23,182**
Nevada Hydro (LEAPS Project)	**$ 17,996**
Total Funding Required	**$ 662,412**

Note: * San Jacinto Dairy & CAFO Operators contributions to the LE&CL TMDL Task Force are made through WRCAC

TMDL Contingency Fund Contributions Summary

	Approved Budget 2018-19
CR&R (Composting Project)	**$ 36,868**
Nevada Hydro (LEAPS Project)	**$ 36,868**
TMDL Contingency Fund	**$ 73,736**

2 ***Lake Elsinore Aeration and Mixing System (LEAMS) Offset Credit Allocation (to be handled by separate agreement)***

	Approved Budget 2018-19
MS4 Co-Permittees	**$ 150,000**
Riverside County	partner
City of Beaumont	$ 900
City of Canyon Lake	$ 6,000
City of Hemet	$ 6,900
City of Lake Elsinore	partner
City of Moreno Valley	$ 49,500
City of Murrieta	$ 1,200
City of Perris	$ 23,100
City of Riverside	$ 2,100
City of San Jacinto	$ 4,500
City of Menifee	$ 46,500
City of Wildomar	$ 9,300
Elsinore Valley Municipal Water District (EVMWD)	partner
San Jacinto Agricultural Operators	**$ 21,600**
San Jacinto Dairy & CAFO Operators	**$ 2,700**
CALTRANS - freeway	**$ 7,200**
CA DF&W - San Jacinto Wetlands	**$ -**
Eastern Municipal Water District	**$ -**
March Air Reserve Base Joint Powers Authority	**$ 1,800**
US Air Force (March Air Reserve Base)	**$ 5,400**
CR&R (Composting Project)	**$ -**
Nevada Hydro (LEAPS Project)	**$ -**
Funding Required	**$ 188,700**

Note: LEAMS Excess Offset Credits are based upon modeling conducted by Dr. Alex Horne (Horne Dec. 2012 and Horne Mar. 2015). Credit Allocations are estimated as the number of credits to bring stakeholder into compliance (CDM Smith 2018).

Task Force Agency Contributions Detailed Tables

Approved Budget 2018-19

Part A: Task Force Regulatory/Administrative Budget

Task Force Regulatory/Administrative Expenses	Allocation
MS4 Co-Permittees	**$ 93,257**
Riverside County	$ 7,771
City of Beaumont	$ 7,771
City of Canyon Lake	$ 7,771
City of Hemet	$ 7,771
City of Lake Elsinore	$ 7,771
City of Moreno Valley	$ 7,771
City of Murrieta	$ 7,771
City of Perris	$ 7,771
City of Riverside	$ 7,771
City of San Jacinto	$ 7,771
City of Menifee	$ 7,771
City of Wildomar	$ 7,771
Elsinore Valley Municipal Water District (EVMWD)	**$ 7,771**
San Jacinto Agricultural Operators (WRCAC)	**$ 7,771**
San Jacinto Dairy & CAFO Operators *	
CALTRANS - freeway	**$ 7,771**
CA DF&W - San Jacinto Wetlands	**$ 7,771**
Eastern Municipal Water District	**$ 7,771**
March Air Reserve Base Joint Powers Authority	**$ 7,771**
US Air Force (March Air Reserve Base)	**$ 7,771**
CR&R (Composting Project)	**$ 7,771**
Nevada Hydro (LEAPS Project)	**$ 7,771**
Funding Required	**$ 163,200**

Note: * San Jacinto Dairy & CAFO Operators contributions to the LE&CL TMDL Task Force are made through WRCAC

Part B: TMDL Implementation Project Budget

TMDL Compliance Monitoring Expenses

Watershed-wide Nutrient Monitoring Program *** **Allocation**

MS4 Co-Permittees			**$ 51,366**
Riverside County			$ 10,375
City of Beaumont			$ 1,589
City of Canyon Lake			$ 1,589
City of Hemet			$ 1,589
City of Lake Elsinore			$ 3,409
City of Moreno Valley			$ 11,502
City of Murrieta			$ 1,589
City of Perris			$ 5,363
City of Riverside			$ 1,589
City of San Jacinto			$ 1,589
City of Menifee			$ 9,593
City of Wildomar			$ 1,589
Elsinore Valley Municipal Water District (EVMWD)			**$ -**
San Jacinto Agricultural Operators (WRCAC)			**$ 4,255**
San Jacinto Dairy & CAFO Operators *			**$ -**
CALTRANS - freeway			**$ 1,589**
CA DF&W - San Jacinto Wetlands			**$ 1,589**
Eastern Municipal Water District			**$ -**
March Air Reserve Base Joint Powers Authority			**$ 1,589**
US Air Force (March Air Reserve Base)			**$ 1,589**
CR&R (Composting Project)			**$ 1,589**
Nevada Hydro (LEAPS Project)			**$ -**
		Funding Required	**$ 63,567**

Note: * San Jacinto Dairy & CAFO Operators contributions to the LE&CL TMDL Task Force are made through WRCAC

** Watershed Monitoring cost allocation estimated as average TP and TN Load contribution, with 2.5% minimum buy-in.

Lake Elsinore Nutrient Monitoring Program + 1/2 Satellite Imagery

	Allocation
MS4 Co-Permittees	**$ 29,377**
Riverside County	$ 2,448
City of Beaumont	$ 2,448
City of Canyon Lake	$ 2,448
City of Hemet	$ 2,448
City of Lake Elsinore	$ 2,448
City of Moreno Valley	$ 2,448
City of Murrieta	$ 2,448
City of Perris	$ 2,448
City of Riverside	$ 2,448
City of San Jacinto	$ 2,448
City of Menifee	$ 2,448
City of Wildomar	$ 2,448
Elsinore Valley Municipal Water District (EVMWD)	**$ 2,448**
San Jacinto Agricultural Operators (WRCAC)	**$ 2,448**
San Jacinto Dairy & CAFO Operators *	$ -
CALTRANS - freeway	**$ 2,448**
CA DF&W - San Jacinto Wetlands	**$ 2,448**
Eastern Municipal Water District	**$ 2,448**
March Air Reserve Base Joint Powers Authority	**$ 2,448**
US Air Force (March Air Reserve Base)	**$ 2,448**
CR&R (Composting Project)	**$ 2,448**
Nevada Hydro (LEAPS Project)	**$ 2,448**
Funding Required	**$ 51,410**

Note: * San Jacinto Dairy & CAFO Operators contributions to the LE&CL TMDL Task Force are made through WRCAC

Canyon Lake Nutrient Monitoring Program + 1/2 Satellite Imagery

	Allocation
MS4 Co-Permittees	**$ 35,961**
Riverside County	$ 3,596
City of Beaumont	$ -
City of Canyon Lake	$ 3,596
City of Hemet	$ 3,596
City of Lake Elsinore	$ 3,596
City of Moreno Valley	$ 3,596
City of Murrieta	$ 3,596
City of Perris	$ 3,596
City of Riverside	$ 3,596
City of San Jacinto	$ 3,596
City of Menifee	$ 3,596
City of Wildomar	$ -
Elsinore Valley Municipal Water District (EVMWD)	**$ -**
San Jacinto Agricultural Operators (WRCAC)	**$ 3,596**
San Jacinto Dairy & CAFO Operators *	**$ -**
CALTRANS - freeway	**$ 3,596**
CA DF&W - San Jacinto Wetlands	**$ 3,596**
Eastern Municipal Water District	**$ 3,596**
March Air Reserve Base Joint Powers Authority	**$ 3,596**
US Air Force (March Air Reserve Base)	**$ 3,596**
CR&R (Composting Project)	**$ 3,596**
Nevada Hydro (LEAPS Project)	**$ -**
Funding Required	**$ 61,134**

Note: * San Jacinto Dairy & CAFO Operators contributions to the LE&CL TMDL Task Force are made through WRCAC

Lake Elsinore Project Alternatives

Fishery Management O&M **

	Allocation
MS4 Co-Permittees	**$ 81,975**
Riverside County	$ 17,274
City of Beaumont	$ 2,763
City of Canyon Lake	$ 2,763
City of Hemet	$ 2,763
City of Lake Elsinore	$ 7,663
City of Moreno Valley	$ 16,373
City of Murrieta	$ 2,763
City of Perris	$ 7,631
City of Riverside	$ 2,763
City of San Jacinto	$ 2,763
City of Menifee	$ 13,697
City of Wildomar	$ 2,763
Elsinore Valley Municipal Water District (EVMWD)	**$ 2,763**
San Jacinto Agricultural Operators (WRCAC)	**$ 6,425**
San Jacinto Dairy & CAFO Operators *	**$ -**
CALTRANS - freeway	**$ 2,763**
CA DF&W - San Jacinto Wetlands	**$ 2,763**
Eastern Municipal Water District	**$ 2,763**
March Air Reserve Base Joint Powers Authority	**$ 2,763**
US Air Force (March Air Reserve Base)	**$ 2,763**
CR&R (Composting Project)	**$ 2,763**
Nevada Hydro (LEAPS Project)	**$ 2,763**
Funding Required	**$ 110,500**

Note: * San Jacinto Dairy & CAFO Operators contributions to the LE&CL TMDL Task Force are made through WRCAC

Canyon Lake Project Alternatives

Alum Addition ***

			Allocation
MS4 Co-Permittees			**$ 201,048**
Riverside County			$ 37,443
City of Beaumont			**$ -**
City of Canyon Lake			$ 5,940
City of Hemet			$ 5,940
City of Lake Elsinore			$ 5,940
City of Moreno Valley			$ 55,714
City of Murrieta			$ 5,940
City of Perris			$ 25,999
City of Riverside			$ 5,940
City of San Jacinto			$ 5,940
City of Menifee			$ 46,253
City of Wildomar			**$ -**
Elsinore Valley Municipal Water District (EVMWD)			**$ -**
San Jacinto Agricultural Operators			**$ 18,732**
San Jacinto Dairy & CAFO Operators			**$ -**
CALTRANS - freeway			**$ 5,940**
CA DF&W - San Jacinto Wetlands			**$ -**
Eastern Municipal Water District			**$ -**
March Air Reserve Base Joint Powers Authority			**$ 5,940**
US Air Force (March Air Reserve Base)			**$ 5,940**
CR&R (Composting Project)			**$ -**
Nevada Hydro (LEAPS Project)			**$ -**
		Funding Required	**$ 237,600**

*** Normalized Multi Criteria Offset Demand or Min Buy in (Alum Project % Need)

1) presumes actual CNRP/AGMNP offset demand estimates projected for 2015

1) Negative numbers are shown as "0", Jurisdictions with zero offset demand are not funding partners

2) Proposes 2.5% minimum project buy-in for those with minor offset demands

3) For those entities that have not developed nutrient management plans, offset demand is the load to Canyon Lake in excess of the WLA. WLA is determined by converting the TMDL WLAs into per acre values and then applying to the acreage of these jurisdictions

TMDL Update

Revise & Update TMDL

			Allocation
MS4 Co-Permittees			**$ 60,171**
Riverside County			$ 5,014
City of Beaumont			$ 5,014
City of Canyon Lake			$ 5,014
City of Hemet			$ 5,014
City of Lake Elsinore			$ 5,014
City of Moreno Valley			$ 5,014
City of Murrieta			$ 5,014
City of Perris			$ 5,014
City of Riverside			$ 5,014
City of San Jacinto			$ 5,014
City of Menifee			$ 5,014
City of Wildomar			$ 5,014
Elsinore Valley Municipal Water District (EVMWD)			**$ 5,014**
San Jacinto Agricultural Operators (WRCAC)			**$ 5,014**
San Jacinto Dairy & CAFO Operators *			
CALTRANS - freeway			**$ 5,014**
CA DF&W - San Jacinto Wetlands			**$ 5,014**
Eastern Municipal Water District			**$ 5,014**
March Air Reserve Base Joint Powers Authority			**$ 5,014**
US Air Force (March Air Reserve Base)			**$ 5,014**
CR&R (Composting Project)			**$ 5,014**
Nevada Hydro (LEAPS Project)			**$ 5,014**
		Funding Required	**$ 105,300**

Note: * San Jacinto Dairy & CAFO Operators contributions to the LE&CL TMDL Task Force are made through WRCAC

Reimbursement from Cash Reserve

			Cash Reimbursed
MS4 Co-Permittees			**$ 82,531**
Riverside County			$ 7,321
City of Beaumont			$ 6,326
City of Canyon Lake			$ 6,341
City of Hemet			$ 6,937
City of Lake Elsinore			$ 7,321
City of Moreno Valley			$ 7,424
City of Murrieta			$ 6,326
City of Perris			$ 7,549
City of Riverside			$ 6,326
City of San Jacinto			$ 6,326
City of Menifee			$ 7,321
City of Wildomar			$ 7,014
Elsinore Valley Municipal Water District (EVMWD)			**$ 5,371**
San Jacinto Agricultural Operators			**$ 7,321**
San Jacinto Dairy & CAFO Operators			**$ 4,060**
CALTRANS - freeway			**$ 6,326**
CA DF&W - San Jacinto Wetlands			**$ 6,364**
Eastern Municipal Water District			**$ 5,371**
March Air Reserve Base Joint Powers Authority			**$ 6,326**
US Air Force (March Air Reserve Base)			**$ 6,632**
CR&R (Composting Project)			**$ -**
Nevada Hydro (LEAPS Project)			**$ -**
		Total Amount Reimbursed	**$ 130,300**

Task Force Agency Contributions Detailed Tables

	Approved Budget 2018-19 Allocation
MS4 Co-Permittees (Total)	**$ 470,626**
Task Force Regulatory/Administrative Expenses	$ 93,257
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 51,366
Lake Elsinore Nutrient Monitoring Program	$ 29,377
Canyon Lake Nutrient Monitoring Program	$ 35,961
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 81,975
Canyon Lake Project Alternatives	$ 201,048
TMDL Update	$ 60,171
Reimbursement from Cash Reserve	$ 82,531
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 150,000
Riverside County *	**$ 76,601**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 10,375
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 17,274
Canyon Lake Project Alternatives	$ 37,443
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 7,321
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	partner
City of Beaumont *	**$ 13,260**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ -
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ -
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,326
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 900

City of Canyon Lake *	**$ 22,780**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ 5,940
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,341
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 6,000
City of Hemet *	**$ 22,184**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ 5,940
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,937
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 6,900
City of Lake Elsinore *	**$ 28,521**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 3,409
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 7,663
Canyon Lake Project Alternatives	$ 5,940
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 7,321
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	partner

City of Moreno Valley *	**$**	**94,995**
Task Force Regulatory/Administrative Expenses	$	7,771
TMDL Compliance Monitoring Expenses		
Watershed-wide Nutrient Monitoring Program	$	11,502
Lake Elsinore Nutrient Monitoring Program	$	2,448
Canyon Lake Nutrient Monitoring Program	$	3,596
Lake Elsinore Project Alternatives		
Fishery Management O&M	$	16,373
Canyon Lake Project Alternatives	$	55,714
TMDL Update	$	5,014
Reimbursement from Cash Reserve	$	7,424
Other Contributions:		
Lake Elsinore Aeration Management System O&M (LEAMS)	$	49,500
City of Murrieta *	**$**	**22,796**
Task Force Regulatory/Administrative Expenses	$	7,771
TMDL Compliance Monitoring Expenses		
Watershed-wide Nutrient Monitoring Program	$	1,589
Lake Elsinore Nutrient Monitoring Program	$	2,448
Canyon Lake Nutrient Monitoring Program	$	3,596
Lake Elsinore Project Alternatives		
Fishery Management O&M	$	2,763
Canyon Lake Project Alternatives	$	5,940
TMDL Update	$	5,014
Reimbursement from Cash Reserve	$	6,326
Other Contributions:		
Lake Elsinore Aeration Management System O&M (LEAMS)	$	1,200
City of Perris *	**$**	**50,275**
Task Force Regulatory/Administrative Expenses	$	7,771
TMDL Compliance Monitoring Expenses		
Watershed-wide Nutrient Monitoring Program	$	5,363
Lake Elsinore Nutrient Monitoring Program	$	2,448
Canyon Lake Nutrient Monitoring Program	$	3,596
Lake Elsinore Project Alternatives		
Fishery Management O&M	$	7,631
Canyon Lake Project Alternatives	$	25,999
TMDL Update	$	5,014
Reimbursement from Cash Reserve	$	7,549
Other Contributions:		
Lake Elsinore Aeration Management System O&M (LEAMS)	$	23,100

City of Riverside *	**$ 22,796**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ 5,940
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,326
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 2,100
City of San Jacinto *	**$ 22,796**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ 5,940
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,326
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 4,500
City of Menifee *	**$ 81,052**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 9,593
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 13,697
Canyon Lake Project Alternatives	$ 46,253
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 7,321
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 46,500

City of Wildomar *	**$ 12,572**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ -
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ -
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 7,014
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 9,300
Elsinore Valley Municipal Water District (EVMWD)	**$ 12,626**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ -
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ -
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ -
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 5,371
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	partner
San Jacinto Agricultural Operators	**$ 40,921**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 4,255
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 6,425
Canyon Lake Project Alternatives	$ 18,732
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 7,321
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 21,600
San Jacinto Dairy & CAFO Operators	**$ (4,060)**
Task Force Regulatory/Administrative Expenses	$ -
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ -
Lake Elsinore Nutrient Monitoring Program	$ -
Canyon Lake Nutrient Monitoring Program	$ -
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ -
Canyon Lake Project Alternatives	$ -
TMDL Update	$ -
Reimbursement from Cash Reserve	$ 4,060
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 2,700

CALTRANS - freeway	**$ 22,796**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ 5,940
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,326
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 7,200
CA DF&W - San Jacinto Wetlands	**$ 16,818**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ -
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,364
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ -
Eastern Municipal Water District	**$ 16,222**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ -
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ -
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 5,371
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ -
March Air Reserve Base Joint Powers Authority	**$ 22,796**
Task Force Regulatory/Administrative Expenses	$ 7,771
TMDL Compliance Monitoring Expenses	
Watershed-wide Nutrient Monitoring Program	$ 1,589
Lake Elsinore Nutrient Monitoring Program	$ 2,448
Canyon Lake Nutrient Monitoring Program	$ 3,596
Lake Elsinore Project Alternatives	
Fishery Management O&M	$ 2,763
Canyon Lake Project Alternatives	$ 5,940
TMDL Update	$ 5,014
Reimbursement from Cash Reserve	$ 6,326
Other Contributions:	
Lake Elsinore Aeration Management System O&M (LEAMS)	$ 1,800

US Air Force (March Air Reserve Base)	**$**	**22,490**
Task Force Regulatory/Administrative Expenses	$	7,771
TMDL Compliance Monitoring Expenses		
Watershed-wide Nutrient Monitoring Program	$	1,589
Lake Elsinore Nutrient Monitoring Program	$	2,448
Canyon Lake Nutrient Monitoring Program	$	3,596
Lake Elsinore Project Alternatives		
Fishery Management O&M	$	2,763
Canyon Lake Project Alternatives	$	5,940
TMDL Update	$	5,014
Reimbursement from Cash Reserve	$	6,632
Other Contributions:		
Lake Elsinore Aeration Management System O&M (LEAMS)	$	5,400
CR&R (Composting Project)	**$**	**23,182**
Task Force Regulatory/Administrative Expenses	$	7,771
TMDL Compliance Monitoring Expenses		
Watershed-wide Nutrient Monitoring Program	$	1,589
Lake Elsinore Nutrient Monitoring Program	$	2,448
Canyon Lake Nutrient Monitoring Program	$	3,596
Lake Elsinore Project Alternatives		
Fishery Management O&M	$	2,763
Canyon Lake Project Alternatives	$	-
TMDL Update	$	5,014
Reimbursement from Cash Reserve	$	-
Other Contributions:		
Buy-in Amount to Join Task Force (Applied to TMDL Contingency Fund)	$	36,868
Lake Elsinore Aeration Management System O&M (LEAMS)	$	-
CR&R (Composting Project)	**$**	**17,996**
Task Force Regulatory/Administrative Expenses	$	7,771
TMDL Compliance Monitoring Expenses		
Watershed-wide Nutrient Monitoring Program	$	-
Lake Elsinore Nutrient Monitoring Program	$	2,448
Canyon Lake Nutrient Monitoring Program	$	-
Lake Elsinore Project Alternatives		
Fishery Management O&M	$	2,763
Canyon Lake Project Alternatives	$	-
TMDL Update	$	5,014
Reimbursement from Cash Reserve	$	-
Other Contributions:		
Buy-in Amount to Join Task Force (Applied to TMDL Contingency Fund)	$	36,868
Lake Elsinore Aeration Management System O&M (LEAMS)	$	-
Total:	**$**	**662,412**

footnote: (*) designates MS4 co-permittees

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LESJWA BOARD MEMORANDUM NO. 828

DATE: April 19, 2018

SUBJECT: Phase 2 TMDL Compliance Monitoring Program – Amec Foster Wheeler 2-Year Agreement

TO: LESJWA Board of Directors

FROM: Mark Norton, P.E., Authority Administrator

RECOMMENDATION
Staff and the Lake Elsinore and Canyon Lake Nutrient TMDL Task Force Technical Advisory Committee recommend that the Board of Directors authorize Task Order No. AMEC160-04 with AMEC Foster Wheeler Environment & Infrastructure, Inc. for an amount not-to-exceed $176,110 per year, for a two-year task order to oversee and implement the FYs 2018-20 Phase 2 nutrient TMDL Compliance monitoring program for the Lake Elsinore and Canyon Lake Nutrient Total Maximum Daily Load (TMDL) Task Force.

DISCUSSION
The members of the Lake Elsinore and Canyon Lake Nutrient TMDL Task Force Technical Advisory Committee recommend extending the agreement with AMEC Foster Wheeler Environment & Infrastructure, Inc. for two additional years to conduct the Phase 2 nutrient TMDL Compliance monitoring program. This recommendation is based upon their professional expertise and substantial experience working with the TMDL Task Force.

The attached Task Order details the two-year agreement with AMEC Foster Wheeler Environment & Infrastructure, Inc. to conduct the Phase 2 nutrient TMDL compliance monitoring program. Included with this Task Order is a scope of work and budget providing a detailed description of support services to be performed by the consultant through FY 2018-20.

Through this agreement, AMEC Foster Wheeler Environment & Infrastructure, Inc. will provide the following services to the LE&CL TMDL Task Force, as described in the attached program Work Plan:

- Watershed-wide storm monitoring
- Coordinate with RCFC&WCD staff on tracking weather for wet season storm events
- In-lake monitoring for Lake Elsinore
- Coordinate with EVMWD on data sondes operating in Lake Elsinore
- In-lake monitoring for Canyon Lake
- Pre alum application effectiveness monitoring
- Contract and coordinate bi-monthly analyses of in-lake chlorophyll-a using high resolution satellite imagery
- Prepare quarterly and annual TMDL Water Quality Compliance Monitoring Reports for Regional Board submittal
- Project management and contract management of sub-consultants
- Contract and coordinate with Babcock laboratories for analytical laboratory services
- Management of water quality monitoring data and data QA/QC & CEDEN formatting/ upload
- Attend meetings to provide status updates to the TMDL Task Force

BACKGROUND
In June 2015, the LESJWA Board approved a contract to oversee and implement the Phase 2 LE&CL nutrient TMDL Compliance monitoring program for Lake Elsinore, Canyon Lake and the upstream San Jacinto Watershed. Over the past three years, in order to address the need for additional monitoring and technical support in the implementation of activities relating to the Lake Elsinore and Canyon Lake Nutrient TMDL Phase 2 Compliance Monitoring program, the members of the Lake Elsinore and Canyon Lake Nutrient TMDL Task Force Technical Advisory Committee have recommended and obtained approval from the LESJWA Board to implement several change orders to expand the AMEC Foster Wheeler Environment & Infrastructure, Inc. scope of work as follows:

1) Modification of the nutrient TMDL In-Lake Monitoring Design (approved December 17, 2015)
   Addresses a request by Regional Board staff to modify the approved Phase 2 Compliance Monitoring Plan for increased summer sampling frequency in Lake Elsinore to address the summer average water quality objective for chlorophyll a. This includes adding two additional monitoring events (for a total of eight events per year) into the Lake Elsinore portion of the monitoring.
2) Pre-alum Effectiveness Monitoring (two events annually) (approved December 15, 2016)
   Pre-alum effectiveness monitoring will be scheduled to occur within approximately one week of any anticipated future alum applications. This includes field water quality measurements only and will consist of the performance of a full water column depth profile for temperature, pH, conductivity, and dissolved oxygen at one-meter intervals throughout the water column, and a measure of water clarity using a Secchi disk at each station. This data will be summarized and provided to the Task Force and the alum application vendor within 24-hours of monitoring. Final results will be incorporated into the annual LE&CL TMDL compliance monitoring report.
3) Hazardous Algal Bloom (HAB) Monitoring (approved April 19, 2017)
   In response to the detection of cyanotoxins in Lake Elsinore and Canyon Lake in 2016, conduct one year of monitoring for cyanotoxins as part of the Phase 2 compliance monitoring program of both lakes. This monitoring will attempt to address questions about the relationship between cyanotoxin concentrations and nutrient concentrations. Cyanotoxin sampling will match the schedule of the routine Nutrient TMDL sampling. Lake Elsinore will be sampled eight times annually (bi-monthly October to May, and monthly June to September). Canyon Lake will be sampled six times annually, on a bi-monthly frequency. Final results will be incorporated into the annual LE&CL TMDL compliance monitoring report.
4) High Resolution Satellite Imagery (approved June 15, 2017)
   Incorporate additional high-resolution satellite imagery along with satellite imagery and processing for the cyanobacteria specific pigments into the analyses of in-lake chlorophyll for the annual LE&CL TMDL compliance monitoring report.

RESOURCES IMPACT
The TMDL Task Force FY 2018-19 Budget provided a budget of $176,112 to conduct watershed-wide nutrient monitoring. Additionally, the TMDL Task Force has approved the use of its sufficient reserves to cover the balance of the additional monitoring to support the proposed monitoring by the Lake Elsinore and Canyon Lake TMDL Task Force. All staff contract administration time for this contract will be taken from the TMDL budget and funded by the TMDL Stakeholders.

MN/RW/dm

Attachments:
1. Task Order AMEC160-04
2. Exhibit A – AMEC Foster Wheeler Environment & Infrastructure, Inc. Scope and Costs for Monitoring and Consulting Services for the San Jacinto Watershed, Lake Elsinore, and Canyon Lake TMDL Water Quality Monitoring Program Implementation: FY 2018-2019.

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
TASK ORDER NO. AMEC160-04

CONSULTANT: Amec Foster Wheeler Environment & Infrastructure, Inc. **VENDOR** 1734
9210 Sky Park Court
San Diego, CA 92123

COST: $176,110

PAYMENT: Monthly, upon receipt of proper invoice

REQUESTED BY: Rick Whetsel, Sr. Watershed Planner April 19, 2018

FINANCE: _____
Karen Williams, CFO Date

FINANCING SOURCE: Acct. Coding 160-TMDL-6113-01
Acct. Description TMDL Task Force

BOARD AUTHORIZATION REQUIRED: YES (X) NO ( )
Ref. Board Memo LES828

**Funding for this work initially was approved by the LESJWA Board June 18, 2015, reference Board Memo #771. This would be the fourth year of funding approval, through FY 2018-19.*

This Task Order is issued by the Lake Elsinore & San Jacinto Watersheds Authority (hereafter "LESJWA") to **Amec Foster Wheeler Environment & Infrastructure, Inc.** (hereafter "Consultant") pursuant to the Agreement between LESJWA and Consultant entitled *Agreement for Services***,** dated June 18, 2015 *(expires 12-31-2019).*

I. PROJECT NAME OR DESCRIPTION

San Jacinto Watershed-wide Nutrient TMDL Monitoring

II. SCOPE OF WORK / TASKS TO BE PERFORMED

Consultant shall provide all labor, materials, and equipment for the project to perform the tasks of providing additional technical support in the implementation of activities relating to the Lake Elsinore and Canyon Lake Nutrient TMDL Phase 2 Compliance Monitoring program, for FY 2018-19. These include:

- Watershed Monitoring.
- In-Lake Monitoring.
- Data Analysis and Reporting, and Project Management
- Coordination Activities and Meeting Attendance to provide status updates to Task Force
- Laboratory Contracting

Please refer to the attached Appendix X for acceptable deliverable formats

III. PERFORMANCE TIME FRAME

Consultant shall begin work within five days of the date this Task Order is signed by the Authorized Officer and shall complete performance of such services by or before **Sept 30, 2020.**

IV. LESJWA LIAISON

Rick Whetsel and/or Mark Norton shall serve as liaison between LESJWA and Consultant.

V. COMPENSATION

For all services rendered by Consultant pursuant to this Task Order, Consultant shall receive a total not-to-exceed sum of **$176,110** in accordance with the rate schedule as shown in the original Scope of Work. Payment for such services shall be made within 30 days upon receipt of proper invoices from Consultant, as required by the above-mentioned Agreement for Services.

The compensation to be paid herein is subject to LESJWA/SAWPA's receipt of funds for this Task Order from third parties. The Consultant shall limit activities to ensure not to expend funds that have been collected, and shall curtail activities, as required, to stay within the funds available. LESJWA/SAWPA will endeavor to obtain the funds needed to fully fund the scope of work.

VI. CONTRACT DOCUMENTS PRECEDENCE

In the event of a conflict in terms between and among the contract documents herein, the document item highest in precedence shall control. The precedence shall be:

a. The Agreement for Services by Independent Consultant/Contractor.
b. The Task Order or Orders issued pursuant to the Agreement, in numerical order.
c. Exhibits attached to each Task Order, which may describe, among other things, the Scope of Work and compensation therefore.
d. Specifications incorporated by reference.
e. Drawings incorporated by reference.

In witness whereof, the parties have executed this Task Order on the date indicated below.

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY

_____
Mark Norton, P.E., Authority Administrator Date

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.

_____ _____
(Signature) Date Print or Type Name

April 10, 2018

ATTN: Mark Norton and Rick Whetsel
Lake Elsinore & San Jacinto Watersheds Authority (LESJWA)
11615 Sterling Avenue
Riverside, California 92503

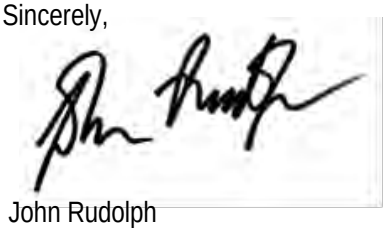
Subject: Scope and Costs for Monitoring and Consulting Services for the San Jacinto Watershed, Lake Elsinore, and Canyon Lake TMDL Water Quality Monitoring Program Implementation: FY 2018-2019

Dear Mr. Norton and Whetsel,

Thank you again for selecting the Amec Foster Wheeler Team to continue to support the Lake Elsinore & San Jacinto Watersheds Authority implementation of the Phase 2 TMDL Water Quality Monitoring Program in the San Jacinto Watershed, as well as Lake Elsinore and Canyon Lake. Included herein is our scope of work and cost summary for continued monitoring for fiscal year (FY) 2018-2019. Please do not hesitate to contact me if you have any questions or suggested revisions.

We look forward to continuing to support you on this extremely important program.

Sincerely,



John Rudolph
Aquatic Scientist
john.rudolph@amecfw.com
(858) 514-6465
Amec Foster Wheeler, Inc. / Wood.

SCOPE OF WORK

2018-2019 SAN JACINTO WATERSHED, LAKE ELSINORE, AND CANYON LAKE TMDL WATER QUALITY MONITORING PROGRAM IMPLEMENTATION

April 10, 2018

1.0 PURPOSE

The purpose of this task order is to continue the Nutrient Total Maximum Daily Load (TMDL) required implementation of the Phase 2 Water Quality Monitoring Program in fiscal year (FY) 2018-2019 for San Jacinto River Watershed stormwater monitoring, and in-lake ambient monitoring of Lake Elsinore and Canyon Lake. The scope of work herein is generally consistent with program implementation during the 2015-2018 FY contract period, with several modifications to the program that have occurred during this period.

In early 2015, the Lake Elsinore and Canyon Lake TMDL Task Force (TMDL Task Force) developed and submitted a Phase 2 Monitoring Plan to the Regional Board for approval. This plan reassessed the compliance monitoring needs of the TMDL Task Force and proposed an approach to enable the TMDL Task Force to collect the necessary data to enable them to monitor and track compliance with the requirements of the TMDL. Several additions to the monitoring program have been incorporated since then, including increased monitoring frequency in Lake Elsinore over the summer months, the addition of several analytes to Canyon Lake monitoring in support of alum applications, cyanobacterial toxin sampling, and increased satellite imagery resolution (for more detailed information on these additions, see individual change orders). Cyanobacterial toxin sampling will not be carried over to the 2018-2019 FYs, the remaining three additions to the program will be implemented as part of the 2018-2019 routine monitoring. This scope of work supports these Phase 2 Monitoring component requirements.

A scope of work description is provided in Section 2.0, a schedule is presented in Section 3.0, and costs are summarized in Section 4.0 and detailed in Attachment A.

2.0 SCOPE OF WORK

Task 1 – Project Management, Coordination Activities, Meeting Attendance, and Laboratory Contracting ($18,331)

Subtask 1.1 – Project Management, Coordination Activities, and Laboratory Contracting ($8,025)
This subtask includes the planning and administrative support required for setting up and overseeing the Program. This includes regularly coordinating with the TMDL Task Force regarding project goals, budgets, and schedules. The following specific activities will be performed as part of the task:

- Administration of the contract
- Daily management of the contract
- Coordination and communication with the TMDL Task Force
- Invoicing
- Setting up contracts with analytical laboratories and other subcontractors

Subtask 1.2 – Meeting Attendance ($10,306)
This subtask encompasses attendance and related support at regularly scheduled meetings with the Lake Elsinore Canyon Lake TMDL Task Force. Effort includes preparation and provision of periodic monitoring updates, and availability to engage in discussion, answer questions, discuss project scope and schedule, and

provide additional information needs. This subtask includes anticipated attendance at up to 6 meetings of the TMDL Task Force, and preparation of slides related to monitoring efforts.

Task 2 – Watershed Monitoring ($45,035)

In accordance with the Lake Elsinore & Canyon Lake Nutrient TMDL Comprehensive Phase 2 Monitoring Plan and QAPP, the team will conduct water quality monitoring for up to three qualifying storm events each monitoring season (October 1st through May 31st). Throughout the monitoring season, the team will continually monitor the weather forecast to keep up to date on upcoming storm events and coordinate with Riverside County Flood Control and Water Conservation District and the TMDL Task Force to determine which storms to mobilize for. The storm size criteria for mobilization is a storm rainfall total of greater than 1-inch forecast within 24 hours from October to January, and a storm rainfall total of greater than 0.5-inch forecast within 24 hours from January through May. Flow-weighted composite sample collection protocols have been recommended by the TMDL Task Force, and will be used for this program. Sample aliquots will be collected across the hydrograph of each storm event, the first sample aliquot will be taken at or shortly after the time that storm water runoff begins, and each subsequent aliquot of equal volume will be collected at intervals of approximately ½ to 2 hours across the hydrograph, depending on the forecasted size of the storm event. Flow rates and volumes will be based on data from USGS stream gauges located near the sampling stations. Upon completion of sampling, field teams will download the flow data and subsample each discrete sample to create a single flow-weighted composite sample for laboratory analysis. Samples will be analyzed for the following constituents:

- Nitrate
- Nitrite
- Ammonia-N
- Total Kjeldahl nitrogen (TKN)
- Total phosphorous
- Soluble reactive phosphorus (SRP/Ortho-P)
- Total dissolved solids (TDS)
- Total suspended solids (TSS)
- Total hardness
- Chemical oxygen demand (COD)
- Biological oxygen demand (BOD)

In addition, in-situ monitoring using pre-calibrated hand-held YSI field meters or equivalent will also be performed during each sampling event at all stations for pH, temperature, conductivity, dissolved oxygen, and turbidity field measurements. After each monitored storm event, a field technician will visit each site to remove the unused sample bottles, download the data and turn off the equipment. Team will communicate with TMDL Task Force staff regarding the completion of the sampling activities and provide an overall assessment of the storm event.

Task 3 – In Lake Monitoring ($75,479)

Subtask 3.1 – Lake Elsinore ($32,878)

Three stations outlined in the approved Lake Elsinore and Canyon Lake Nutrient TMDL Monitoring Plan (LESJWA, 2006) will be monitored (LE01, LE02, and LE03). One station (Site LE02) will have analytical samples collected and in situ water quality readings, while only in-situ water quality readings will occur at the remaining two stations. Lake Elsinore will be monitored 8 times across the FY. Specifically, Lake Elsinore monitoring will include monthly sampling during the summer months (June-September) and bi-monthly sampling during non-summer months (October-May). Surface-to-bottom depth integrated samples will be collected in the central portion of the lake at Site LE02 for the follow constituents:

- Nitrate
- Nitrite
- Ammonia-N
- TDS
- TKN
- Organic nitrogen
- Total phosphorous
- SRP/Ortho-P
- Sulfide
- Chlorophyll-a

Depth-integrated samples will be prepared by either combining discreet grab samples collected using a Van Dorn bottle at each 1-meter (m) depth interval throughout the water column, including the surface, or using a peristaltic pump and lowering/raising the inlet tube through the water column at a uniform speed. Two discrete samples will be collected and analyzed for chlorophyll-a: 1) a surface-to-bottom depth integrated sample as described above; and 2) a 0-2-m depth integrated surface sample.

In-situ monitoring using pre-calibrated hand-held YSI field meters or equivalent will also be performed during each sampling event at all three TMDL stations, as well as adjacent to the Elsinore Valley Municipal Water District (EVMWD) maintained in-lake data sondes for pH, dissolved oxygen, temperature, and conductivity field measurements. A complete depth profile at each station will be recorded for each parameter at 1-m intervals. Water clarity will also be assessed at all three stations using a Secchi disk. An attempt will be made for a better comparison to existing data by collecting all water samples and field measurements prior to noon during each sampling event to avoid collecting suspended sediments potentially stirred up from the bottom of the lake by frequent afternoon winds.

In-lake sampling described above will be coordinated to occur on the same day as satellite imagery, in order to better facilitate comparison of in-lake chlorophyll-a concentrations with satellite imagery. Satellite imagery will be collected for each sampling event, and will estimate chlorophyll-a concentrations, turbidity, and cyanobacterial bloom indicator risk. Two satellites will be used for image capture: LandSat 7/8 and Sentinel 2. As a result of Sentinel 2 satellite image quality assurance issues due to the viewing geometry during summer, LandSat 7/8 satellite will be used during the months of June through August, and Sentinel 2 during all other months of the year. In the event that cloud cover prevents the satellite from obtaining a high-quality image, the previous or subsequent satellite image (LandSat7/8 every 8 days; Sentinel 2 every 5 days) will be used.

Additionally, in September 2017 one fixed-depth dissolved oxygen sonde was attached to each of the two EVMWD in-lake data sondes. The current EVMWD in-lake sondes start their measurements at 1-meter depth and miss the important surface layer where the largest changes in dissolved oxygen occur daily. These two new sondes have been placed just below the surface to fill that data gap. This data set

will help get a fuller picture of what is happening in Lake Elsinore on a full 24-hr cycle. As part of this Lake Elsinore monitoring proposal, costs have been incorporated to maintain these sondes, download data during each field effort, as well as format and analyze this data.

Subtask 3.2 – Canyon Lake ($42,601)
Four stations outlined in the approved Lake Elsinore and Canyon Lake Nutrient TMDL Monitoring Plan (LESJWA, 2006) will be monitored (CL07, CL08, CL09, and CL10). These include two in the main body of the lake (CL07 near the dam and CL08 in the northern arm) and two in the East Bay (CL09 and CL10). This sampling will be conducted every other month (bi-monthly) and coordinated to occur on the same day as satellite imagery. Surface-to-bottom depth integrated samples will be collected for the following constituents:

- Nitrate
- Nitrite
- Ammonia-N
- TKN
- Organic nitrogen
- Total phosphorous
- SRP/Ortho-P
- TDS
- TSS
- Sulfide
- Total and Dissolved Aluminum
- Chlorophyll-a

Depth-integrated samples will be prepared by either combining discreet grab samples collected using a Van Dorn bottle at each 1-meter (m) depth interval throughout the water column, including the surface, or using a peristaltic pump and lowering/raising the inlet tube through the water column at a uniform speed. Two discrete samples will be collected and analyzed for chlorophyll-a: 1) a surface-to-bottom depth integrated sample as described above; and 2) a 0-2-m depth integrated surface sample.

In-situ monitoring using pre-calibrated hand-held YSI field meters or equivalent will also be performed during each sampling event at all four TMDL stations for pH, dissolved oxygen, temperature, and conductivity field measurements. A complete depth profile at each station will be recorded for each parameter at 1-m intervals. Water clarity will also be assessed at all stations using a Secchi disk. An attempt will be made for a better comparison to existing data by collecting all water samples and field measurements prior to noon during each sampling event to avoid collecting suspended sediments potentially stirred up from the bottom of the lake by frequent afternoon winds.

Alum applications occur on Canyon Lake twice annually. Monitoring associated with these events includes in-lake water column profiles of pH, dissolved oxygen, temperature, and conductivity field measurements at all four TMDL stations. These field measurements need to occur within one week prior to the alum application, and can normally be incorporated into one of the routine bi-monthly TMDL monitoring events. However, a contingency budget of $4,345 has been added to this scope of work in the event that a field team (2 staff) needs to be deployed outside of a routine bi-monthly event to perform this monitoring as a stand-alone event.

Task 4 – Data Analysis & Reporting ($37,265)

Subtask 4.1 – Quarterly Reports ($11,245)
This subtask encompasses the preparation of brief quarterly progress reports highlighting all activities and any key observations noted during the prior 3-months. Available data summaries will be included.

Subtask 4.3 – Data QA/QC & CEDEN Formatting/ Upload ($6,430)
Analytical data will be reviewed and verified by our lead chemist to determine whether the data quality objectives have been met by the laboratory, and whether appropriate corrective actions have been taken, when necessary. This will include follow up required on any QA/QC issues identified as a part of the review. After completion of the data review and a QA/QC verification for reporting, the results will be imported into our database system and formatted into CEDEN templates.

The analytical data collected during each monitoring will be reviewed, formatted and submitted to the TMDL Task Force as part of the quarterly and annual reports. After data has been approved by the TMDL Task Force, it will then be submitted to CEDEN.

Subtask 4.3 – Draft and Final Annual Water Quality Monitoring Report ($19,590)
A draft and final Lake Elsinore and Canyon Lake Nutrient TMDL Annual Water Quality Monitoring Report will be prepared at the completion of each monitoring season. The report will incorporate the results of the watershed-wide storm monitoring data and the in-lake water quality monitoring data collected. An electronic copy of the draft report will be provided to Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) for the TMDL Task Force to review and comment on. At least two weeks will be provided for the TMDL Task Force to review the draft report. Once all the comments have been addressed, the report will be finalized and an electronic copy of the final report will be submitted to LESJWA.

3.0 SCHEDULE

This Task Order shall begin on July 1, 2018, contingent upon approval and execution, and shall terminate on June 30, 2019. The proposed schedule for the Task Order is as follows in Table 1. Changes to the schedule will be made in consultation with LESJWA and the TMDL Task Force.

Table 1. Proposed Schedule of Deliverables

Task	Dates/ Deliverables
Task 1 – Project Management and Meeting Attendance	• Upon final contract approval • Meeting attendance as appropriate throughout the contract period
Task 2 – Watershed Monitoring	• Preparation in summer 2018, Sampling 3 storms in the wet season: October 2018 – May 2019
Task 3 – In Lake Monitoring	• Lake Elsinore monthly July-Sept 2018, bi-monthly thereafter; Canyon Lake bi-monthly beginning in Aug 2018
Task 4 – Data Analysis and Reporting **4.1 - Quarterly Monitoring Reports** **4.2 - Analysis of Lake Elsinore Data Sonde Data** **4.3 - Data QA/QC/, CEDEN Formatting and Uploads** **4.4 - Annual Draft and Final Reports**	• Quarterly In-lake Reports - every 3-4 months after the start of in-lake monitoring • Annual Report - Draft August 1, 2019; Final October 31, 2019

4.0 COSTS

The total annual contract value for the scope of work detailed herein, including the $4,345 pre-alum contingency monitoring is $176,110 per the cost breakdown provided in Attachment A. All labor rates and other charges will be billed per any specific requirements of Contract.

ATTACHMENT A

COST PROPOSAL

Lake Elsinore & Canyon Lake Nutrient TMDL Compliance Monitoring Implementation

2018-2019 Fiscal Year Scope of Work Cost Summary based on 8 Events for Lake Elsinore & 6 Events for Canyon Lake per Year

Provided by John Rudolph, Amec Foster Wheeler/Wood, San Diego CA
Provided to Mr. Rick Whetsel (SAWPA) - March 6, 2018, Revised April 10, 2018

TASK	DESCRIPTION	LABOR COSTS	PROJECT SUPPLIES	SUBCONTRACTOR COSTS	COMBINED TOTAL ($)
TASK 1	**Project Management and Meetings**	**$18,075**	**$257**	**$0**	**$18,331**
SubTask 1.1	Project Management/ Coordination Activities/ Laboratory Contracting	$8,025	$0	$0	$8,025
SubTask 1.2	TMDL Technical Advisory Committee Meeting Attendance/ Support (up to 6 meetings)	$10,050	$257	$0	$10,306
TASK 2	**Watershed Monitoring. Incl. Pre-monitoring planning & field supplies**	**$34,130**	**$5,595**	**$5,310**	**$45,035**
TASK 3	**In-Lake Monitoring**	**$37,325**	**$6,597**	**$31,557**	**$75,479**
SubTask 3.1	Lake Elsinore	$15,600	$3,284	$11,119	$30,003
SubTask 3.2	Canyon Lake	$12,480	$2,463	$20,439	$35,382
SubTask 3.3	Contingency Pre-Alum Effectiveness Monitoring [1]	$3,495	$850	$0	$4,344
SubTask 3.4	In-lake Data Sonde Management	$5,750	$0	$0	$5,750
TASK 4	**Data Analysis and Reporting**	**$37,265**	**$0**	**$0**	**$37,265**
SubTask 4.1	Quarterly Reports	$11,245	$0	$0	$11,245
SubTask 4.2	Data QA/QC, CEDEN Formatting and Uploads	$6,430	$0	$0	$6,430
SubTask 4.3	Draft and Final Annual Water Quality Monitoring Report	$19,590	$0	$0	$19,590
				2018-2019 ANNUAL PROGRAM GRAND TOTAL	**$176,110**
				2018-2019 ANNUAL PROGRAM GRAND TOTAL (minus Pre-Alum Contingency)	**$171,766**

[1] Extra field events outside of routine TMDL monitoring dates if needed. Assumes two events for two staff, water quality profiles only (i.e. pH, dissolved oxygen, temperature, conductivity, secchi disk)

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LESJWA BOARD MEMORANDUM NO. 829

DATE: April 19, 2018

SUBJECT: 2018 LESJWA Water Summit

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION
Staff recommends that the Board of Directors receive and file this status report about the LESJWA Water Summit held on Wednesday, April 18th.

BACKGROUND
The LESJWA Water Summit had been held each year from 2012 – 2014. Then in 2015, the decision was made to hold the Summit every other year to save limited education and outreach funding for more urgent lake quality outreach. The last Summit was held on April 27, 2016 and was held at Elsinore Valley Municipal Water District's (EVMWD) Board Room. The Summits provide an opportunity to invite elected officials and staff of the Lake Elsinore and Canyon Lake TMDL Task Force agencies to hear about important accomplishments of LESJWA, the nutrient TMDLs, and future implementation projects. Typically, the Summits have been held at public facility meeting rooms and started in the morning and ended before the lunch hour. Over time, despite concerted targeted mailing and multiple event announcements, the number of attendees has been minimal with an audience of approximately 50 people.

This year in discussions with TMDL Task Force representatives and the LESJWA Education and Outreach Committee, an alternative approach was implemented where the event would be held at a paid and hosted facility, Diamond Club, and that a minor fee be collected from each attendee for lunch. Feedback from some indicated that potential attendees didn't see value in attending unless there is some registration/luncheon fee and that lunch is provided.

The 2018 LESJWA Summit was planned for April 18, 2016 from 9:30 am – 1:30 pm at the Lake Elsinore Stadium Diamond Club in the City of Lake Elsinore. The LESJWA Chair will introduce the Summit and the great lineup of speakers will be on hand to reflect a good cross-section of the current and future activities of LESJWA and the LE/CL TMDL Task Force. A fee was charged for the event to cover the event location costs and lunch. Attached is the final agenda for the event showing the speakers and topics as recommended by the LESJWA Education and Outreach Committee. The invitation for the event was sent out weekly for several months prior to the event and included in email outreach by SAWPA.

Mark Norton will provide a summary about the Summit attendance, sponsors and reception of the event held on April 18, 2018.

RESOURCES IMPACT
Sufficient funding was provided in the approved LESJWA FY 2017-18 Budget under the Education and Outreach program for the LESJWA Summit.

MN:dm

Attachment:
1. Summit Agenda

AGENDA
2018 LESJWA WATER SUMMIT

April 18, 2018, 9:30 a.m. – 1:00 p.m.

Diamond Stadium, Diamond Club
500 Diamond Drive, Lake Elsinore, CA 92530

Registration

9:30 a.m. - 10:00 a.m.

Welcome

LESJWA Chair, Robert E. Magee
10:00 a.m. - 10:05 a.m.

LESJWA Accomplishments and Recent Lake Activities

Mark Norton, LESJWA Authority Administrator
10:05 a.m. - 10:30 a.m.

Panel Session: TMDL Update and Compliance Strategies

Hope Smythe, Executive Officer, Santa Ana Regional Water Quality Control Board
Jason Uhley, General Manager, Riverside County Flood Control and Water Conservation District
Pat Boldt, Executive Director, Western Riverside County Agricultural Coalition
10:30 a.m. - 11:25 a.m.

Break

Lake Elsinore Advanced Pumped Storage (LEAPS) Project

Greg Kahlen, The Kahlen Group
11:40 a.m. - 12:00 p.m.

Lunch Served (Video Presentation)

12:00 p.m. - 12:20 p.m.

Lunch Keynote: TMDL Update Impacts and the Future of our Lakes

Tim Moore, Risk Sciences
12:20 p.m. - 1:00 p.m.

Close

Lake Elsinore & San Jacinto Watersheds Authority
City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

LEAPS | THE HYDRO COMPANY

WESTERN MUNICIPAL WATER DISTRICT

Amec Foster Wheeler • GEI Consultants, Inc. • Riverside County Flood Control & Water Conservation District

MyWatersheds.com @LESJWA

LESJWA BOARD MEMORANDUM NO. 830

DATE: April 19, 2018

SUBJECT: Temescal Canyon High School Presentation

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION
Staff recommends that the Board of Directors receive and file a status report about LESJWA's presentation to a student assembly at the Temescal Canyon High School on January 24, 2018.

BACKGROUND
On June 15, 2017, staff was informed by the LESJWA Board that two of the Board members received multiple letters from Temescal Canyon High School chemistry class students expressing dismay about the lake conditions at both Canyon Lake and Lake Elsinore and thinking that nothing was being done. Concern was expressed by the LESJWA Board that many of the letters reflected a lack of understanding about what LESJWA and local agencies have done and were currently doing to address the lake quality challenges. Staff was requested to work with LESJWA Education and Outreach Committee's consultant, DeGrave Communications, to reach out to the chemistry teacher to see if a presentation could be made to the students about the LESJWA ongoing activities. Due to the school year timing and feedback from the chemistry teacher, Mr. Shaun Galvan, a presentation was proposed to an assembly of multiple high school science students on January 24, 2018.

With the support of DeGrave Communications, a new PowerPoint presentation was prepared especially geared to represent LESJWA and respond to typical student questions and concerns based on past letters. This supplemented response letters previously prepared by both city representatives back to the students who had provided return addresses. LESJWA staff, Mark Norton; City of Canyon Lake Mayor and LESJWA Board member, Vicki Warren; Nicole Daily, City of Lake Elsinore and Liselle DeGrave, DeGrave Communications attended the event. After opening remarks from city representatives, Mr. Norton gave a PowerPoint presentation about LESJWA to an assembly of approximately 250-300 students. The presentation was well received, and a letter of appreciation was sent to LESJWA from the chemistry teacher.

LESJWA staff and the LESJWA Education and Outreach Committee will continue to monitor interaction from the high school with elected officials and if necessary, consider future outreach efforts with them to ensure facts and information about local cities and LESJWA activities to help improve lake conditions are adequately conveyed to the teaching staff and students at Temescal Canyon High School.

RESOURCES IMPACT
Sufficient funding was provided for outreach in the LESJWA FY 2017-18 Budget under the Education and Outreach program for this outreach.

MN:dm

Attachment:
1. Temescal Canyon HS Letter

Temescal Canyon High School

Administrative Team

Dr. Whitney D'Amico
Principal

Lambert Merlo
Assistant Principal

Andrew Wonacott
Assistant Principal

Ron Golden
Assistant Principal

Mark Williams
Athletic Director and Assistant Principal

Cari Strange
Activities Director

Governing Board

Tom Thomas
President

Heidi Matthies Dodd
Clerk

Juan Saucedo
Member

Stan Crippen
Member

Susan E. Scott
Member

(951) 253-7250 Phone
(951) 253-7267 Fax

28755 El Toro Road
Lake Elsinore, California
92532

January 30, 2018

Attn: The Honorable, Vicki Warren, Mayor of Canyon Lake
Mark Norton
Nicole Dailey
Liselle DeGrave

Dear Honorable Guests,

On behalf of the Temescal Canyon High School student body, chemistry faculty, science department, and school administration, I would like to extend our deepest gratitude for making time to come discuss the state of our lakes in Lake Elsinore and Canyon Lake. Despite a few logistical errors, in which we deeply regret and apologize for inconveniencing the flow assembly, I can with confidence report many student learning gains from many of our students that attended our assembly on Wednesday January 24. I would like to list a few of the students' follow-up reflections in which they described what they felt they took away by the end of the assembly:

"*Algae blooms are caused by nutrients from land since the lake is mostly from runoff water that carries the sediment and nutrients attached to it".*

"The three harmful toxins (cyanotoxins) that affect Lake Elsinore are microcystins, Anatoxin-a, and cylindrospermopsin."

"Certain algae eating plankton are essential to have in our lake because they keep the water clean."

Many students are still in the phase of instruction in which they are contextualizing the issue of algal blooms. I do believe that many students felt that having an assembly briefing had a played a major role in gaining perspective of the overall issue that caused these lakes to be closed to the public within the past few summers. I also do believe that it gave students a great introduction into their 2-month long project in which they will be testing the lake water of both Lake Elsinore and Canyon Lake performing several generic water quality tests. Once performed, they will be presenting their findings in the form of a formal lab report and group presentation between Monday March 26 – Wednesday March 28 in our school library.

In addition to our thanks for participating on January 24, the Temescal Canyon Chemistry staff has extended a formal invitation for all of our speakers and their colleagues to watch students present these findings and entertain questions about their work. Our school day goes between 7:30 am – 2:30 pm Monday/Tuesday and between 8:30 am – 2:30 pm on Wednesday. You may drop in to watch student presentations at your own discretion. Please contact me if this is of interest and I will gladly set up a time to visit that best fits with your schedules.

Once again, I am very thankful for everyone for being a part of this endeavor at Temescal Canyon High School. I am humbled and honored by having an opportunity like this for my students to experience.

Temescal Canyon High School

Administrative Team

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Principal

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Member

Stan Crippen
Member

Susan E. Scott
Member

(951) 253-7250 Phone
(951) 253-7267 Fax

28755 El Toro Road
Lake Elsinore, California
92532

Sincerely,

Shaun Galvan, M.A.
Chemistry Teacher, Temescal Canyon High School
Stanford University, M.A. Education: Teaching of Chemistry
University of Virginia, M.A. Chemistry
University of California, Irvine, B.S. Chemistry
shaun.galvan@leusd.k12.ca.us

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Lake Elsinore & San Jacinto Watersheds Authority

City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

March 26, 2018

Secretary Kimberly D. Bose
Federal Energy Regulatory Commission
888 First St. N.E.
Washington, D.C. 20426

RE: Docket No. 14227-003 - Lake Elsinore Advanced Pump Storage Project (LEAPS)

Dear Secretary Bose:

The Lake Elsinore and San Jacinto Watersheds Authority (LESJWA) has a significant interest in the proposed project and the potential impacts to Lake Elsinore. LESJWA is a non-profit joint powers authority founded in 2000 by its five member agencies: the City of Lake Elsinore, the City of Canyon Lake, the County of Riverside, the Elsinore Valley Municipal Water District and the Santa Ana Watershed Project Authority (SAWPA). Our mission is to implement projects and programs designed to improve water quality throughout the watershed including Lake Elsinore.

The State of California and U.S. EPA have designated Lake Elsinore and Canyon Lake as impaired waterbodies due to excess algae and low dissolved oxygen levels. Both are believed to be caused by elevated nutrient (nitrogen and phosphorus) concentrations in the lake. In 2005 LESJWA established a stakeholder Task Force to address these concerns. The Task Force membership is comprised of nearly two dozen public and private organizations representing all the significant water providers, water users and water dischargers in the watershed. This includes the County of Riverside, numerous cities, the agricultural operators and dairies, the Flood Control District, two major water districts as well as several state and federal agencies in the region.

The Task Force meets monthly to develop and implement large-scale water quality improvement projects throughout the watershed with a special emphasis on Canyon Lake and Lake Elsinore. Over the last 13 years the Task Force's collaborative approach has produced a remarkable track-record of success and is well-regarded by the local regulatory authorities. Senior staff from the Santa Ana Regional Water Quality Control Board actively participate in every meeting.

On November 13, 2017 LESJWA submitted a letter with comments and questions on the proposed LEAPS project. We were pleased to see that FERC gave serious consideration to our concerns and requested additional information from the project proponents in Deficiency Letter dated January 3, 2018.

We are pleased to report that representatives of Nevada Hydro and their consulting team immediately contacted LESJWA to begin discussing our concerns directly. In addition, they began attending the monthly Task Force meetings, have presented detailed project briefings to the Task Force, and are providing significant financial contributions to undertake some of the special studies that will be needed to understand and mitigate the potential project impacts.

The issues which must be resolved are extremely complex and involve numerous different scientific disciplines. It will take time to perform the necessary technical analyses. Nevertheless, Nevada Hydro has demonstrated its commitment to undertake such work through the Task Force's well-established collaborative process.

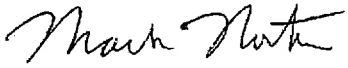
At this time, neither LESJWA nor the Task Force are endorsing or objecting to the proposed LEAPS project. It is too soon to make such a determination. However, we believe Nevada Hydro's decision to work within the Task Force provides the best path for reaching a mutually acceptable outcome.

We are particularly encouraged by the company's willingness to consider reconfiguring the project design and/or operation to not just minimize the risk of potential negative impacts, but also to promote actual water quality improvements in the lake. Technical experts from the Task Force and the company are already working to identify and evaluate the most promising alternatives. The next steps will likely include more sophisticated simulation modeling and, perhaps, some bench-scale testing.

In closing, the members of LESJWA and the Task Force would like to thank the FERC staff for reading our prior comments and requiring Nevada Hydro to address our concerns. It appears that the company is making a genuine, good faith effort to resolve these important issues by actively engaging with our local stakeholder group and the Regional Water Quality Control Board. We will continue to keep FERC apprised of our progress throughout the licensing review process for the proposed project.

Please contact me if you have any questions regarding LESJWA, the Task Force or the status of our on-going work with Nevada Hydro.

Respectfully submitted,



Mark Norton, PE & LEED AP
LESJWA Administrator
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Riverside, CA 92503

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Email: mnorton@sawpa.org