

# 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) / 951.354.4240 (LESJWA)

**Thursday, April 16, 2015 – 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 Secretary 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.

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 office: 11615 Sterling Avenue, Riverside, CA 92503.

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

#### **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, staff member, or interested person requests that an item be removed from the Consent Calendar, the request 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 February 25, 2015.
  
- 1.1 **TREASURER'S REPORTS**.....7  
**RECOMMENDATION:** Receive and file financial statements from January and February 2015.
  
- 1.2 **COMMITTEE STATUS REPORT**..... 19  
**RECOMMENDATION:** Receive and file a status report from the Education and Outreach Committee meeting held on April 6, 2015.

**End of Consent Calendar**

- 2.0 REQUEST FOR PROPOSALS – EDUCATION AND OUTREACH (Memo 764).....23**  
**RECOMMENDATION:** Approve direction to staff to issue a Request for Proposals for multi-year education and outreach support to LESJWA.
- 3.0 LESJWA ANNUAL FY 2015-16 BUDGET (Memo 765).....25**  
**RECOMMENDATION:** Approve the FY 2015-16 Budget, and invoice each LESJWA member agency at the start of the new fiscal year based on new contributions levels as reflected in the budget.
- 4.0 CANYON LAKE ALUM APPLICATION STATUS REPORT (Memo 766).....41**  
**RECOMMENDATION:** Receive and file a status report regarding the Canyon Lake alum application with Aquatechnex.
- 5.0 LAKE ELSINORE/CANYON LAKE TMDL TASK FORCE (Memo 767).....43**  
**RECOMMENDATION:** Receive and file a status report on the Lake Elsinore and Canyon Lake TMDL Task Force.
- 6.0 RESOLUTION NO. 2015-01 – Nancy Horton (Memo 768).....45**  
**RECOMMENDATION:** Adopt Resolution No. 2015-01, commending Nancy Horton for her years of service as a LESJWA Board member.
- 7.0 ADMINISTRATOR’S COMMENTS**
- 8.0 DIRECTORS’ COMMENTS**
- 9.0 ADJOURN**

**NEXT BOARD OF DIRECTORS MEETING:** Thursday, June 18, 2015 at 4:00 p.m.

**2015 Meeting Schedule**

February 25  
April 16  
June 18  
August 20  
October 15  
December 17\*  
(\*as business dictates)

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

**February 25, 2015**

**DIRECTORS PRESENT**

Robert Magee, Chair  
Vicki Warren  
Kevin Jeffries  
Andy Morris, Alternate  
Tom Evans

**REPRESENTING**

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

**OTHERS PRESENT**

Steve Horn  
Jason Uhley

County of Riverside  
Riverside County Flood Control & WCD

**LESJWA STAFF PRESENT**

Mark Norton, Authority Administrator  
Karen Williams, Chief Financial Officer  
Dawna Munson, Clerk of the Board

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. A quorum was noted present with representation from all five member agencies.

Chair Magee asked if there are 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**

Upon motion by Director Evans, seconded by Director Jeffries, the motion unanimously carried,

2015/2-1

**MOVED**, approval of the Consent Calendar including the 10-16-2014 Board Meeting Minutes, the Treasurer's Reports from October through December 2014, and the status report/meeting notes from the 2-2-15 Education & Outreach Committee meeting.

with the following vote:

Ayes: Evans, Jeffries, Magee, Morris, Warren  
Noes: None  
Absent: None  
Abstain: None

**2.0: REPORT ON AUDIT FOR FISCAL YEAR ENDING JUNE 30, 2014 (Memo #758)**

Mark Norton introduced SAWPA/LESJWA CFO Karen Williams to review LESJWA's audit for the fiscal year ending 2014. Ms. Williams said this is the second year of the audit contract with White Nelson Diehl Evans, LLP. LESJWA's financial statements contain no qualifications or reportable conditions. LESJWA's financial reporting meets the generally accepted accounting principles, it is compliant with applicable State and Federal laws, and its internal controls are sufficient to protect against material errors and fraud.

Upon motion by Director Jeffries, seconded by Chair Magee, the motion unanimously carried,

2015/2-2

**MOVED**, receive and file the Report on Audit prepared by White Nelson Diehl Evans, LLP, for Fiscal Year ending June 30, 2014, and direct staff to file the Report on Audit.

with the following vote:

Ayes: Evans, Jeffries, Magee, Morris, Warren  
Noes: None  
Absent: None  
Abstain: None

**3.0: FUNDING AGREEMENT WITH RCFCWCD (Memo #759)**

Mark Norton said this item is a funding agreement between LESJWA and the Riverside County Flood Control and Water Conservation District (RCFCWCD) in support of the implementation and administration of the watershed programs for Lake Elsinore and Canyon Lake watersheds. This Board had discussed issues associated with the LESJWA business plan—particularly obtaining additional revenue funding sources—and had asked the member agencies to help contribute more money. The RCFCWCD sees value in LESJWA and its efforts, and has indicated they’d like to support it with a \$20,000 contribution over the next three years. The County of Riverside also expressed interest and would work with their staff to help LESJWA with the administration, and potentially increase their annual contribution from \$10,000 to \$20,000. If these funding increases are approved by their Boards, along with the funding amounts from the City of Lake Elsinore and EVMWD upon their Boards’ approval, LESJWA will achieve a balanced JPA, expense versus revenue for the next three years.

Upon motion by Director Evans, seconded by Director Jeffries, the motion unanimously carried,

2015/2-3

**MOVED**, approval of the funding agreement with Riverside County Flood Control and Water Conservation District.

with the following vote:

Ayes: Evans, Jeffries, Magee, Morris, Warren  
Noes: None  
Absent: None  
Abstain: None

**4.0: CHANGE ORDER WITH O’REILLY PUBLIC RELATIONS (Memo #760)**

Mark Norton said that the Education and Outreach Committee, which meets on a quarterly basis, held a meeting on February 2, 2015. Upon discussion of the LESJWA Water Summit, some suggestions were made about areas that are currently of higher priority for LESJWA. He briefly reviewed some of the new projects on the horizon. Additionally, we have the ongoing alum project at Canyon Lake, and it’s hoped to have that finished before the next Summit. Another consideration is that with the little amount of rain we’ve had, the chances increase for a fish kill. Having O’Reilly Public Relations available to respond to those potential situations is important. For these reasons, it makes sense to postpone the LESJWA Water Summit for one year. The cost is \$4,500 to prepare for it and perform the outreach. Staff recommends deferring that \$4,500 for the Summit and folding it into next year’s budget.

Upon motion by Chair Magee, seconded by Director Evans, the motion unanimously carried,

2015/2-4

**MOVED**, approval of Change Order No. 1 to OREIL477-13 with O’Reilly Public Relations, deducting \$4,500 from the task order total, and folding those funds into the 2015-2016 budget.

with the following vote:

Ayes: Evans, Jeffries, Magee, Morris, Warren  
Noes: None  
Absent: None  
Abstain: None

**5.0: CHANGE ORDER WITH MWH AMERICAS - ALUM MONITORING (Memo #761)**

Mark Norton said this proposed change order is to the existing monitoring program for the Canyon Lake alum application. The Technical Advisory Committee of the TMDL Task Force (TAC) has requested additional monitoring to assess the impacts of additional alum dosing. They propose doing jar tests to assess the impacts of additional dosing on the natural alkalinity of Canyon Lake's east bay, and site specific monitoring such as in Gold Cove to assess the impacts of the additional dosing to reduce algae blooms seen in the east bay. It is experimental and there are other things that could be done; however, increasing the alum dosage was the suggestion of Dr. Michael Anderson of UCR. It was further supported by the water quality data from the ongoing effectiveness monitoring that showed current water conditions appeared favorable to increasing the alum dosage.

The TAC also had requested that MWH Americas revise the effectiveness monitoring schedule from event monitoring to monthly monitoring, in order to better assess the intermediate water quality trends. This additional mobilization would constitute a significant cost for MWH Americas; a change order in the amount of \$42,423 is proposed. MWH Americas would conduct additional monitoring for the alum dosing to support the implementation of the Phase 1 Canyon Lake Hybrid Treatment Project, and the Lake Elsinore/Canyon Lake Nutrient TMDL. Staff recommends approval of this change order.

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

2015/2-5  
**MOVED**, approval of Change Order No. 2 to Task Order No. MWH160-01 with MWH Americas, Inc. for an amount not-to-exceed \$42,423 to conduct additional monitoring for support of the alum dosing in Canyon Lake, as part of the Phase I Canyon Lake Hybrid Treatment Project.

with the following vote:

Ayes: Evans, Jeffries, Magee, Morris, Warren  
Noes: None  
Absent: None  
Abstain: None

**6.0: CANYON LAKE ALUM APPLICATION STATUS REPORT (Memo #762)**

Mark Norton said the fourth of five alum applications in Canyon Lake was scheduled for March 2-5. However, prior to then, LESJWA staff learned from Dr. Noblet of CSUSF that his current lake sampling indicates the lake is shifting toward an algae bloom and high oxygen levels in the main body of the lake, due to runoff and changes in the weather. It is causing conditions similar to a year ago where we saw a heavy mat of algae in the east bay, and the alum sat on top of the algae in globs. Although it eventually dropped after about three days, we want to avoid a repeat of that cycle. The TAC concurred that the work can be deferred until it's a better time. However, it's also important to make sure the work will not conflict with the recreational values of the lake; staff will work around that schedule.

Attached in the staff report, as previously requested by Director Williams, is a table regarding the Sechi depth. The tables show the changes in phosphorus content as well as the chlorophyll *a*. The alum application isn't a permanent solution; it must be continued based on nutrients coming from the upper watershed. The appropriate frequency of the alum application is being studied in order to have a good understanding of how the lake reacts in varying situations.

Mr. Norton distributed a press release that's going out to the public informing them that the work is being delayed. Much has been learned from this 2-1/2 year experimental process, and he is keeping the Board informed of the lake's condition and quality.

Director Warren commented that the spring break period is at the end of March through the beginning of April. Mr. Norton noted that staff will work around that time period.

Meeting attendee Jason Uhley commented that there are some optimum application times in the spring and fall; so if there isn't a suitable time this spring, then it will need to be pushed back to the fall. He thanked the Board for continuing to support that project.

The report was received and filed by the Board.

**7.0: CERTIFICATE OF APPRECIATION UPON JOE AKLUFIS RETIREMENT**

Mark Norton said Joe Aklufi couldn't be here today as he currently is traveling. Joe will be missed. He has been with LESJWA since the time that it was called LEMA – the Lake Elsinore Management Authority. He also was part of the legal team for SAWPA. Joe has now retired and we want to express our appreciation to him for his dedication to LESJWA.

**8.0: ADMINISTRATOR'S COMMENTS**

None.

**9.0: DIRECTORS' COMMENTS**

Director Warren noted that she is very pleased to be part of the LESJWA Board and the valuable work it does.

As there was no further business to discuss, Chair Magee adjourned the meeting at 4:36 p.m.

**APPROVED:** April 16, 2015

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Robert Magee, Chair

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY  
 CASH FLOW STATEMENT  
 AS OF 02/28/15

<b>Balance as of 01/31/15</b>		\$ 713,288.95
<b>Funds Received</b>		
<b>Deposits:</b>		
CA Dept of Fish & Game		18,435.00
LAIF Interest		
<b>Open - Grant Invoices</b>		
N/A		
	<u>\$ -</u>	
<b>Open - Member &amp; Other Contributions</b>		
City of Beaumont	\$24,280.00	
<b>Total Due LESJWA</b>	<u>\$24,280.00</u>	
<b>Disbursement List - February 2015</b>		<u>(21,212.09)</u>
<b>Funds Available as of 02/28/15</b>		<u><u>\$ 710,511.86</u></u>
<b>Funds Available:</b>		
Checking	\$ 151,657.26	
LAIF	\$ 558,854.60	
<b>Total</b>	<u>\$ 710,511.86</u>	

Lake Elsinore San Jacinto Watersheds Authority  
 LE/CL TMDL Invoice History  
 FYE 2009 - 2015

Agency	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15
March ARB	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	35,226.00
CalTrans	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	28,656.00
City of Beaumont	2,957.00	3,940.00	4,719.53	3,900.00	1,865.00	19,263.00	24,280.00
City of Canyon Lake	3,670.00	4,890.00	4,109.46	3,396.00	644.00	18,389.00	34,863.00
City of Hemet	22,308.00	29,723.00	27,460.77	22,696.00	6,286.00	18,175.00	25,510.00
City of Lake Elsinore	21,403.00	67,782.00	89,889.28	73,133.00	-	19,381.00	30,580.00
City of Menifee	-	-	24,752.77	20,458.00	23,649.00	44,155.00	55,821.00
City of Moreno Valley	50,638.00	67,469.00	63,546.31	52,520.00	15,425.00	103,565.00	113,058.00
City of Murrieta	2,006.00	2,673.00	786.96	650.00	-	12,426.00	24,280.00
City of Perris	15,000.00	19,985.00	20,060.94	16,580.00	5,752.00	18,869.00	26,739.00
City of Riverside	2,071.00	2,759.00	3,587.28	2,965.00	1,575.00	17,641.00	24,280.00
City of San Jacinto	9,565.00	12,744.00	13,470.59	11,133.00	4,315.00	19,487.00	24,280.00
City of Wildomar	-	-	4,668.93	3,859.00	4,461.00	8,307.00	19,528.00
County of Riverside	57,352.00	76,415.00	39,829.77	32,919.00	-	30,165.00	36,469.00
Dept of Fish and Game	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	18,435.00
Eastern Municipal Water District	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	16,225.00
Elsinore Valley Municipal Water District	13,656.00	57,460.00	75,294.20	61,070.00	-	12,500.00	16,225.00
March JPA	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	24,485.00
San Jacinto Agricultural Operators *	159,074.00	-	-	143,320.00	28,278.00	12,500.00	47,549.00
San Jacinto Dairy & CAFO Operators *	41,634.00	37,252.80	25,000.00	10,000.00	10,211.00	12,500.00	16,225.00
<b>Total</b>	<b>451,334.00</b>	<b>433,092.80</b>	<b>447,176.79</b>	<b>508,599.00</b>	<b>167,711.00</b>	<b>429,823.00</b>	<b>642,714.00</b>
<b>Total Paid Contributions</b>	<b>451,334.00</b>	<b>433,092.80</b>	<b>447,176.79</b>	<b>379,290.00</b>	<b>167,711.00</b>	<b>429,823.00</b>	<b>586,893.00</b>
<b>Total Outstanding Contributions</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>129,309.00</b>	<b>-</b>	<b>-</b>	<b>55,821.00</b>
<b>Total Outstanding Contributions</b>							
City of Menifee	-	-	-	-	-	-	55,821.00
<b>Total Outstanding All Years</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>55,821.00</b>



Lake Elsinore/San Jacinto Watershed Authority  
Statement of Net Assets  
For the Eight Months Ending Saturday, February 28, 2015

Assets

Checking - Citizens	\$133,222.26
Checking - US Bank	18,435.00
L.A.I.F.	558,854.60
Accounts Receivable	24,280.00
Total Assets	<u>\$734,791.86</u>

Liabilities

Accounts Payable	45,505.39
Total Liabilities	<u>\$45,505.39</u>

Retained Earnings 453,999.74

Excess Revenue over (under) Expenditures \$235,286.73

    Total Net Assets \$689,286.47

Total Liabilities and Net Assets \$734,791.86

Lake Elsinore/San Jacinto Watershed Authority  
Revenues, Expenses and Changes in Net Assets  
For the Eight Months Ending Saturday, February 28, 2015

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
<b>Revenues</b>					
State Grant Proceeds	\$0.00	\$0.00	\$210,148.00	0.00%	\$210,148.00
LAIF Interest	0.00	660.88	800.00	82.61%	139.12
Member Agency Contributions	0.00	188,137.00	70,000.00	268.77%	(118,137.00)
Other Agency Contributions	0.00	404,982.00	444,744.00	91.06%	39,762.00
<b>Total Revenues</b>	<b>\$0.00</b>	<b>\$593,779.88</b>	<b>\$725,692.00</b>	<b>81.82%</b>	<b>\$131,912.12</b>
<b>Expenses</b>					
Salaries - Regular	6,120.93	38,450.08	55,253.00	69.59%	16,802.92
Payroll Burden	2,809.51	17,648.57	25,363.00	69.58%	7,714.43
Overhead	9,603.74	60,328.19	86,692.00	69.59%	26,363.81
Audit Fees	0.00	5,500.00	5,500.00	100.00%	0.00
Consulting - General	11,958.18	233,335.18	569,634.00	40.96%	336,298.82
Legal Fees	0.00	918.75	1,500.00	61.25%	581.25
Meeting & Conference Expense	0.00	61.00	100.00	61.00%	39.00
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Office Supplies	0.00	162.35	60.00	270.58%	(102.35)
Other Expense	0.00	0.00	50.00	0.00%	50.00
Insurance Expense	0.00	2,068.00	2,572.00	80.40%	504.00
Interest Expense	0.00	21.03	50.00	42.06%	28.97
<b>Total Expenditures</b>	<b>\$30,492.36</b>	<b>\$358,493.15</b>	<b>\$746,824.00</b>	<b>48.00%</b>	<b>\$388,330.85</b>
<b>Excess Revenue over (under) Expenditures</b>	<b>(\$30,492.36)</b>	<b>\$235,286.73</b>	<b>(\$21,132.00)</b>	<b>-1113.41%</b>	<b>(\$256,418.73)</b>

**Lake Elsinore San Jacinto Watersheds Authority**  
**Revenues, Expenses and Changes in Net Assets by Project**  
**For the Month Ending February 28, 2015**

	JPA Administration	TMDL Task Force	Total	Budget	% Used	Budget Variance
<b>Revenues</b>						
State Grant Proceeds	\$ -	\$ -	\$ -	\$ 210,148.00	0.00%	\$ 210,148.00
LAIIF Interest	660.88	-	660.88	800.00	82.61%	139.12
Member Agency Contributions	40,000.00	148,137.00	188,137.00	70,000.00	268.77%	(118,137.00)
Other Agency Contributions	-	404,982.00	404,982.00	444,744.00	91.06%	39,762.00
<b>Total Revenues</b>	<b>\$ 40,660.88</b>	<b>\$ 553,119.00</b>	<b>\$ 593,779.88</b>	<b>\$ 725,692.00</b>	<b>81.82%</b>	<b>\$ 131,912.12</b>
<b>Expenditures</b>						
Salaries	\$ 15,727.31	\$ 22,722.77	\$ 38,450.08	\$ 55,253.00	69.59%	\$ 16,802.92
Benefits	7,218.83	10,429.74	17,648.57	25,363.00	69.58%	7,714.43
G&A Allocation	24,676.16	35,652.03	60,328.19	86,692.00	69.59%	26,363.81
Audit Fees	5,500.00	-	5,500.00	5,500.00	100.00%	-
Consulting	6,479.36	226,855.82	233,335.18	569,634.00	40.96%	336,298.82
Studies	-	-	-	-	0.00%	-
Other Contract Services	-	-	-	-	0.00%	-
Legal Fees	918.75	-	918.75	1,500.00	0.00%	581.25
Project Construction	-	-	-	-	0.00%	-
Meeting & Conference Expense	61.00	-	61.00	100.00	61.00%	39.00
Office Expense	162.35	-	162.35	110.00	147.59%	(52.35)
Board Compensation	-	-	-	-	0.00%	-
Other Expense	-	-	-	50.00	0.00%	50.00
Insurance Expense	2,068.00	-	2,068.00	2,572.00	80.40%	504.00
Interest Expense	21.03	-	21.03	50.00	42.06%	28.97
<b>Total Expenditures</b>	<b>\$ 62,832.79</b>	<b>\$ 295,660.36</b>	<b>\$ 358,493.15</b>	<b>\$ 746,824.00</b>	<b>48.00%</b>	<b>\$ 388,330.85</b>
<b>Excess Revenue over (under) Expenditures</b>	<b>\$ (22,171.91)</b>	<b>\$ 257,458.64</b>	<b>\$ 235,286.73</b>	<b>\$ (21,132.00)</b>	<b>-1113.41%</b>	<b>\$ (256,418.73)</b>
<b>Cash Balance @ 02/28/15</b>	<b>\$ 23,475.87</b>	<b>\$ 687,035.99</b>	<b>\$ 710,511.86</b>			

**Lake Elsinore San Jacinto  
Watersheds Authority  
Disbursements  
February 28, 2015**

<b>Check #</b>	<b>Check Date</b>	<b>Type</b>	<b>Vendor</b>	<b>Check Amount</b>
EFT053	2/6/2015	CHK	Haley & Aldrich Inc	\$485.41
EFT054	2/6/2015	CHK	Santa Ana Watershed Project Authority	\$20,726.68

Total Disbursements February 2015

\$ 21,212.09

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY  
 CASH FLOW STATEMENT  
 AS OF 01/31/15

**Balance as of 12/31/14** \$ 709,033.12

**Funds Received**

**Deposits:**

City of Lake Elsinore - TMDL Contribution	30,580.00
LAIF Interest	357.86

**Open - Grant Invoices**

N/A

\$ -

**Open - Member & Other Contributions**

City of Beaumont	\$24,280.00
CA Dept of Fish & Game	\$18,435.00

**Total Due LESJWA** \$42,715.00

**Disbursement List - January 2015** (26,682.03)

**Funds Available as of 01/31/15** \$ 713,288.95

**Funds Available:**

Checking	\$ 154,434.35
LAIF	<u>\$ 558,854.60</u>
<b>Total</b>	<u><u>\$ 713,288.95</u></u>

Lake Elsinore San Jacinto Watersheds Authority  
LE/CL TMDL Invoice History  
FYE 2009 - 2015

Agency	FY 2008-09	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15
March ARB	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	35,226.00
CalTrans	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	28,656.00
City of Beaumont	2,957.00	3,940.00	4,719.53	3,900.00	1,865.00	19,263.00	24,280.00
City of Canyon Lake	3,670.00	4,890.00	4,109.46	3,396.00	644.00	18,389.00	34,863.00
City of Hemet	22,308.00	29,723.00	27,460.77	22,696.00	6,286.00	18,175.00	25,510.00
City of Lake Elsinore	21,403.00	67,782.00	89,889.28	73,133.00	-	19,381.00	30,580.00
City of Menifee	-	-	24,752.77	20,458.00	23,649.00	44,155.00	55,821.00
City of Moreno Valley	50,638.00	67,469.00	63,546.31	52,520.00	15,425.00	103,565.00	113,058.00
City of Murrieta	2,006.00	2,673.00	786.96	650.00	-	12,426.00	24,280.00
City of Perris	15,000.00	19,985.00	20,060.94	16,580.00	5,752.00	18,869.00	26,739.00
City of Riverside	2,071.00	2,759.00	3,587.28	2,965.00	1,575.00	17,641.00	24,280.00
City of San Jacinto	9,565.00	12,744.00	13,470.59	11,133.00	4,315.00	19,487.00	24,280.00
City of Wildomar	-	-	4,668.93	3,859.00	4,461.00	8,307.00	19,528.00
County of Riverside	57,352.00	76,415.00	39,829.77	32,919.00	-	30,165.00	36,469.00
Dept of Fish and Game	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	18,435.00
Eastern Municipal Water District	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	16,225.00
Elsinore Valley Municipal Water District	13,656.00	57,460.00	75,294.20	61,070.00	-	12,500.00	16,225.00
March JPA	10,000.00	10,000.00	10,000.00	10,000.00	13,050.00	12,500.00	24,485.00
San Jacinto Agricultural Operators *	159,074.00	-	-	143,320.00	28,278.00	12,500.00	47,549.00
San Jacinto Dairy & CAFO Operators *	41,634.00	37,252.80	25,000.00	10,000.00	10,211.00	12,500.00	16,225.00
<b>Total</b>	<b>451,334.00</b>	<b>433,092.80</b>	<b>447,176.79</b>	<b>508,599.00</b>	<b>167,711.00</b>	<b>429,823.00</b>	<b>642,714.00</b>
<b>Total Paid Contributions</b>	<b>451,334.00</b>	<b>433,092.80</b>	<b>447,176.79</b>	<b>379,290.00</b>	<b>167,711.00</b>	<b>429,823.00</b>	<b>586,893.00</b>
<b>Total Outstanding Contributions</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>129,309.00</b>	<b>-</b>	<b>-</b>	<b>55,821.00</b>
<b>Total Outstanding Contributions</b>							
City of Menifee	-	-	-	-	-	-	55,821.00
<b>Total Outstanding All Years</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>55,821.00</b>

Lake Elsinore/San Jacinto Watershed Authority  
Statement of Net Assets  
For the Seven Months Ending Saturday, January 31, 2015

Assets

Checking - Citizens	\$154,434.35
L.A.I.F.	558,854.60
Accounts Receivable	42,715.00
Total Assets	<u>\$756,003.95</u>

Liabilities

Accounts Payable	<u>36,225.12</u>
Total Liabilities	<u>\$36,225.12</u>

Retained Earnings 453,999.74

Excess Revenue over (under) Expenditures \$265,779.09

    Total Net Assets \$719,778.83

Total Liabilities and Net Assets \$756,003.95

Lake Elsinore/San Jacinto Watershed Authority  
Revenues, Expenses and Changes in Net Assets  
For the Seven Months Ending Saturday, January 31, 2015

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
<b>Revenues</b>					
State Grant Proceeds	\$0.00	\$0.00	\$210,148.00	0.00%	\$210,148.00
LAIF Interest	357.86	660.88	800.00	82.61%	139.12
Member Agency Contributions	0.00	188,137.00	70,000.00	268.77%	(118,137.00)
Other Agency Contributions	0.00	404,982.00	444,744.00	91.06%	39,762.00
<b>Total Revenues</b>	<b>\$357.86</b>	<b>\$593,779.88</b>	<b>\$725,692.00</b>	<b>81.82%</b>	<b>\$131,912.12</b>
<b>Expenses</b>					
Salaries - Regular	6,833.40	32,329.15	55,253.00	58.51%	22,923.85
Payroll Burden	3,136.53	14,839.06	25,363.00	58.51%	10,523.94
Overhead	10,721.61	50,724.45	86,692.00	58.51%	35,967.55
Audit Fees	0.00	5,500.00	5,500.00	100.00%	0.00
Consulting - General	6,743.26	221,377.00	569,634.00	38.86%	348,257.00
Legal Fees	0.00	918.75	1,500.00	61.25%	581.25
Meeting & Conference Expense	28.00	61.00	100.00	61.00%	39.00
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Office Supplies	0.00	162.35	60.00	270.58%	(102.35)
Other Expense	0.00	0.00	50.00	0.00%	50.00
Insurance Expense	0.00	2,068.00	2,572.00	80.40%	504.00
Interest Expense	7.14	21.03	50.00	42.06%	28.97
<b>Total Expenditures</b>	<b>\$27,469.94</b>	<b>\$328,000.79</b>	<b>\$746,824.00</b>	<b>43.92%</b>	<b>\$418,823.21</b>
<b>Excess Revenue over (under) Expenditures</b>	<b>(\$27,112.08)</b>	<b>\$265,779.09</b>	<b>(\$21,132.00)</b>	<b>-1257.71%</b>	<b>(\$286,911.09)</b>



**Lake Elsinore San Jacinto Watersheds Authority**  
**Revenues, Expenses and Changes in Net Assets by Project**  
**For the Month Ending January 31, 2015**

	JPA Administration	TMDL Task Force	Total	Budget	% Used	Budget Variance
<b>Revenues</b>						
State Grant Proceeds	\$ -	\$ -	\$ -	\$ 210,148.00	0.00%	\$ 210,148.00
LAIIF Interest	660.88	-	660.88	800.00	82.61%	139.12
Member Agency Contributions	40,000.00	148,137.00	188,137.00	70,000.00	268.77%	(118,137.00)
Other Agency Contributions	-	404,982.00	404,982.00	444,744.00	91.06%	39,762.00
<b>Total Revenues</b>	<b>\$ 40,660.88</b>	<b>\$ 553,119.00</b>	<b>\$ 593,779.88</b>	<b>\$ 725,692.00</b>	<b>81.82%</b>	<b>\$ 131,912.12</b>
<b>Expenditures</b>						
Salaries	\$ 13,123.08	\$ 19,206.07	\$ 32,329.15	\$ 55,253.00	58.51%	\$ 22,923.85
Benefits	6,023.49	8,815.57	14,839.06	25,363.00	58.51%	10,523.94
G&A Allocation	20,590.12	30,134.33	50,724.45	86,692.00	58.51%	35,967.55
Audit Fees	5,500.00	-	5,500.00	5,500.00	100.00%	-
Consulting	4,433.11	216,943.89	221,377.00	569,634.00	38.86%	348,257.00
Studies	-	-	-	-	0.00%	-
Other Contract Services	-	-	-	-	0.00%	-
Legal Fees	918.75	-	918.75	1,500.00	0.00%	581.25
Project Construction	-	-	-	-	0.00%	-
Meeting & Conference Expense	61.00	-	61.00	100.00	61.00%	39.00
Office Expense	162.35	-	162.35	110.00	147.59%	(52.35)
Board Compensation	-	-	-	-	0.00%	-
Other Expense	-	-	-	50.00	0.00%	50.00
Insurance Expense	2,068.00	-	2,068.00	2,572.00	80.40%	504.00
Interest Expense	21.03	-	21.03	50.00	42.06%	28.97
<b>Total Expenditures</b>	<b>\$ 52,900.93</b>	<b>\$ 275,099.86</b>	<b>\$ 328,000.79</b>	<b>\$ 746,824.00</b>	<b>43.92%</b>	<b>\$ 418,823.21</b>
<b>Excess Revenue over (under) Expenditures</b>	<b>\$ (12,240.05)</b>	<b>\$ 278,019.14</b>	<b>\$ 265,779.09</b>	<b>\$ (21,132.00)</b>	<b>-1257.71%</b>	<b>\$ (286,911.09)</b>
<b>Cash Balance @ 01/31/15</b>	<b>\$ 32,574.09</b>	<b>\$ 680,714.86</b>	<b>\$ 713,288.95</b>			

**Lake Elsinore San Jacinto  
Watersheds Authority  
Disbursements  
January 31, 2015**

<b>Check #</b>	<b>Check Date</b>	<b>Type</b>	<b>Vendor</b>	<b>Check Amount</b>
1768	01/09/15	CHK	Aklufi and Wysocki	\$ 393.75
1769	01/09/15	CHK	O'Reilly Public Relations	\$ 87.50
1770	01/23/15	CHK	MWH Americas, Inc.	\$ 7,881.31
EFT050	01/09/15	CHK	Haley & Aldrich Inc	\$ 6,431.34
EFT051	01/15/15	CHK	Santa Ana Watershed Project Authority	\$ 8,423.05
EFT052	01/29/15	CHK	Weston Solutions Inc	\$ 3,465.08
Total Disbursements January 2015				<u>\$ 26,682.03</u>

**LESJWA Education and Outreach Committee**  
**Meeting Notes**  
**April 6, 2015**

Members Present: Mark Norton, Chair, SAWPA  
Vicki Warren, City of Canyon Lake (by phone)  
Nicole Dailey, City of Lake Elsinore  
Bonnie Woodrome, EVMWD

Others Present: Philip Southard, O'Reilly Public Relations

Members Absent: Greg Morrison, EVMWD  
Steven Horn, County of Riverside

**1. Call to Order**

Mark Norton called the meeting to order at 12:03 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 Feb. 2, 2015 were reviewed and deemed acceptable by the Committee.

**4. Project Status**

- **Canyon Lake** – Mr. Norton gave an update about the next planned alum application to Canyon Lake. He reported that the next alum application will be conducted on April 9-10, 2015 by Aquatechnex. This timeframe was based on the input of the Alum Technical Advisory Committee who met on March 24th consisting of reps from EVMWD, Canyon Lake POA, City of Canyon Lake, Aquatechnex, Dr. Michael Anderson, MWH, Dr. Noblet – CSUSB, Tim Moore, and LESJWA staff. The consensus of the TAC was to conduct the regular alum application to just the East Bay and not the Main Body. Based on the water quality data, the Canyon Lake main body is now significantly improved in clarity, making an alum application unnecessary there. For the East Bay, the normal dosage will be applied but along with an experimental slightly heavier dosage of alum, to one of the East Bay coves, Gold Cove, to determine the impacts of increased dosage in helping to knock down the phosphorus levels and associated Chlorophyll a. Pre- and post-sampling will be conducted as in the past. Overall, the main body of Canyon Lake remains clear and of excellent quality while East Bay coves continue to be plagued by sporadic algae growth episodes. Vicki Warren reported that the main body looked outstanding over the high use Spring Break season.
- **TMDL Task Force** – Mr. Norton reported that the TMDL TF continues to address future monitoring requirements for the lakes and the watershed, working with the Lake Elsinore aeration/mixing operators on a new agreement to fund the operation and maintenance of the Lake Elsinore aeration/mixing system that may involve the MS4 permittees, planning a TMDL basin plan amendment, and planning for future implementation activities at both lakes. Details on much of the next steps will be dependent on a study and analysis currently underway by Dr. Michael Anderson of UCR. His work is scheduled to be completed by Sept. 2015. Mr. Norton said a special meeting was held with the City of Lake Elsinore upper management, along with Dr. Anderson, Tim Moore and the LESJWA Authority Administrator. Some feedback was provided regarding possible short term measures that the City could take to improve the lake. However, since a fish population survey had not been done yet by Dr. Anderson and was planned in two weeks, the results of that survey will provide further direction.

Ms. Dailey reported that the City of Lake Elsinore has recently stocked Lake Elsinore with 590 lbs. of large mouthed bass and 600 lbs. of catfish. They have coordinated this activity with CA Dept. Fish and Wildlife. She said that this summer if the boat ramp area does start turning green from algae growth that they do have a permit to apply copper sulfate, if necessary. In addition, the City is ramping up efforts to eliminate the prohibition on lake swimming to enhance recreational use. In the past, recreational use was limited to boating and wading activities.

Regarding funding, LESJWA at their last Board meeting, approved an agreement with SAWPA and DWR for Proposition 84 Chapter 2 Integrated Regional Water Management Implementation Round 2 grant funding, which includes funding for the Canyon Lake Alum project. The grant funding reimbursement can go back to Feb. 2014, so the costs of the Sept. 2014 and the next two alum applications of alum will be fully reimbursed by the grant.

- **Lake Levels** – The current lake levels at the last meeting were 1237.31’ at Lake Elsinore, and 1380.14’ at Canyon Lake. The lake levels from the last meeting were at 1237.44 and Canyon Lake at 1381.24.

## 5. Alum Outreach and Schedule

- **April 2015**

The alum application will occur on April 9 & 10 to just the East Bay with the slightly higher dosage to the Gold Cove. Outreach to the community about this application had been made as presentations to the POA and City Council of Canyon Lake back in early March.

- **Media Coverage**

Mr. Norton reported that a press release was prepared by Phil Southard and slightly revised by Mark Norton. It was then shared with the Friday Flyer and the Press Enterprise.

- **Video Proposal**

Mr. Southard shared a proposal from Ed Aguirre of Aguirre Video Productions to film the alum application. The proposal reflected video production costs of \$2450 and O’Reilly Public Relations of \$1750. After discussion, the Committee expressed support for the video production but thought it was best to delay this video coverage to the September alum application and include this cost possibly in next year’s education and outreach budget.

Mr. Norton asked the Committee whether it was time to consider a Request for Proposals for consulting services for LESJWA public relations. He indicated that it had been many years since a competitive bidding process was undertaken and felt that it was important for LESJWA to conduct a fair, open, and competitive process for procurement. The Committee agreed and Mr. Norton said he would add this recommendation to conduct an RFP for these services at the next LESJWA Board meeting. Ms. Dailey recommended that in order to reduce staff time and costs to administer the competitive procurement process, that perhaps the RFP could request quotes for a three-year term with an option to add two more years. This way an RFP would not be necessary every year. The Committee agreed with this as well.

## 6. 2015-2016 PR Items

- **Final Alum Application**

Mr. Southard said his firm would be prepared for the Sept. alum application outreach.

- **Dr. Anderson Report**

Mr. Southard said that when the results from Dr. Anderson studies in September, LESJWA would be better prepared to share what the future projects and next steps for the organization will be.

- **Reporter Briefings**

Mr. Southard said that briefings with reporters also can be planned based on the Dr. Anderson study results as well.

- **Water Summit/Stakeholder Outreach**

Ms. Dailey asked about a letter for outreach to legislators and other stakeholders. Mr. Southard emphasized that the letter perhaps should wait to be prepared until after Dr. Anderson's studies in Sept. 2015 as well.

- **Other**

Mr. Norton asked if there were any other items that we think that LESJWA should address with public relations. Some improvements to the LESJWA website, flyer inserts of LESJWA activities, and articles for insertion of EVMWD mailers were all discussed. Links back from the cities and EVWMD articles to the LESJWA website might be helpful. Photos of work progress on the LESJWA website and in articles would be a good step. Asking for feedback from the community through social media tools was also discussed.

7. **Next Meeting Date**

The next LESJWA Education and Outreach Committee will meet in three months; Mr. Norton will schedule a meeting as that time approaches.

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## **LESJWA BOARD MEMORANDUM NO. 764**

**DATE:** April 16, 2015  
**SUBJECT:** Education and Outreach Program RFP  
**TO:** LESJWA Board of Directors  
**FROM:** Mark R. Norton, P.E., Authority Administrator

### **RECOMMENDATION**

Staff recommends that the Board of Directors direct staff to issue a Request for Proposals for multi-year education and outreach support to LESJWA.

### **BACKGROUND**

O'Reilly Public Relations has provided excellent public relations consulting services for LESJWA as part of its Education and Outreach program. To ensure that LESJWA conducts a fair, open and competitive procurement process for outside consulting services, staff approached LESJWA's Education and Outreach Committee about the possible need to conduct a request for proposals for future education and outreach services for LESJWA. The downside of conducting this effort is that it does involve additional LESJWA staff time and expense to conduct it, the existing task order is fairly small—approximately \$17,000 last year, and O'Reilly Public Relations has been proactive and effective in helping LESJWA conduct its missions and goals, particularly with the media, so the need for a change is questioned. After discussion, the LESJWA Education and Outreach Committee was supportive of issuing an RFP because it had been many years since this was last done. It also recommended that the RFP and resulting agreement for such services span say three years with an option to continue two additional years. This way, LESJWA staff costs would be minimized by not having to repeat this procurement process every year.

Consequently, the LESJWA Education and Outreach Committee recommends that the LESJWA Board direct staff to issue an RFP for services for the next three years with an option to continue services two years thereafter. This activity will also help with projection of future LESJWA JPA expenses

### **BUDGET IMPACT**

Education and Outreach support services are included in the draft LESJWA FY 2015-16 Budget.

MN:dm

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## **LESJWA BOARD MEMORANDUM NO. 765**

**DATE:** April 16, 2015  
**SUBJECT:** FY 2015-2016 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 2015-2016 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 covers activities of the Authority from July 1, 2015 to June 30, 2016. It also 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 2015-16, 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 RCFCWCD, LESJWA's reserve funding is now gradually growing rather than becoming depleted as in past years.

The major activities planned for FY 2015-16 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, pre- and post-alum application monitoring, implementing revised watershed and lake monitoring, and commencing a revision to the LE/CL nutrient TMDL.

In FY 2015-16, 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 recently updated LESJWA Business Plan, one of the primary concerns with the long-term financial outlook for the organization is continued operation funding. With the increased funding from the LESJWA member agencies and the additional funding from RCFCWCD for the next three years, sufficient funding will now be available for LESJWA to operate at its current operation level by FY 2015-2017. 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. LESJWA has been 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 that will support the TMDL compliance.

Annual costs for operating LESJWA have been reduced based on a proposed reduced work scope for education and outreach consulting support, the elimination of Board compensation (stipend), and cost reductions incurred by SAWPA staff in support of LESJWA. The need for additional revenue funding arising from adding additional LESJWA member agencies continues to be explored. A presentation on the benefits of becoming a LESJWA member agency was shared with the WRCOG Public Works Committee on April 9<sup>th</sup>. Follow up meetings with interested WRCOG/LE/CL TMDL Task Force agencies to explore interest will be conducted in the future.

Attachment 1, shown as additional information, reflects the draft FY 2015-16 LE/CL TMDL Task Force Budget anticipated to be approved by the Task Force. Their budget revenue is reflected as "TMDL stakeholder contributions" under Revenue, and "TMDL-Administration" and "TMDL studies and monitoring" under Expenditures.

Staff recommends continuance of the member agency funding contribution amount of \$10,000 for the City of Canyon Lake and SAWPA, with agreed to increased funding levels of \$20,000 each from EVWMD, the City of Lake Elsinore, and the County of Riverside. Additional funding of \$20,000 for FY 2015-16 from RCFCWCD also is budgeted as agreed to by the joint funding agreement.

#### **RESOURCE IMPACT**

SAWPA is supportive of providing staff to serve as administrator for LESJWA. 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

Attachment:

1. Draft FY 2015-16 LESJWA Budget

**DRAFT FY 15-16 BUDGET**

	FY 14-15 Budget Total	FY 14-15 Actual thru 2/28/15	FY 14-15 Expected Total	FY 15-16 Budget Total
<b>Operating Revenue</b>				
JPA Reserve Transfer	51,290			
JPA LAIF Interest	1,500	661	800	878
Member Contributions*	50,000	80,000	100,000	100,000
JPA Adm Sub Total	102,790	80,661	100,800	100,878
TMDL stakeholder contributions	580,000	553,119	643,378	541,500
Member Agency TMDL contributions				106,125
Other TMDL Agency TMDL contributions				435,375
Grant Proceeds				
Canyon Lake Hybrid Project - Alum	150,000	-	130,000	328,000
LESJWA Total	832,790	633,780	874,178	970,378
<b>Operating Expenditures</b>				
JPA Administration				
Salaries, burden & OH (SAWPA)	76,000	47,622	71,500	71,500
Legal		919	1,500	1,500
Audit	5,230	5,500	5,500	5,500
Insurance	2,900	2,068	2,068	2,068
Meetings and Conference	1,000	61	100	100
Office Expense	60	162	162	60
Shipping Postage	50		50	50
Board Compensation	300			
Other Expense	100			50
Interest Expense	100	21	50	50
Public Relations Program	17,050	6,479	12,500	20,000
JPA Adm Subtotal	102,790	62,832	93,430	100,878
TMDL Task Force				
TMDL - Administration (SAWPA)	95,000	68,805	95,000	104,000
TMDL studies & monitoring	185,000	97,704	225,820	565,500
Canyon Lake Lake Treatment	300,000	129,152	155,560	200,000
Total	682,790	358,493	569,810	970,378
JPA Reserves Remaining	76,341	23,476	14,948	14,948
TMDL Reserves Remaining	360,000	664,799	518,020	518,020
* Member agency allocation - City of LE	\$20,000		\$20,000	\$20,000
* Member agency allocation - EVMWD	\$20,000		\$20,000	\$20,000
* Member agency allocation - Co of Riv	\$10,000		\$20,000	\$20,000
* Member agency allocation - City of CL	\$10,000		\$10,000	\$10,000
* Member agency allocation - SAWPA	\$10,000		\$10,000	\$10,000
* Member agency allocation - RCFCWCD			\$20,000	\$20,000

# Approved FY 2015-16 Budget: Lake Elsinore & Canyon Lake TMDL Task

## Summary Task Force Expenditures

Budget  
2015-16

### Part A: Task Force Regulatory/Administrative Budget

<b>1. Task Force Administration</b>	<b>\$ 80,000</b>
Task Force Administrator (LESJWA)	
Annual Water Quality Reporting and Database Management	
Grant Preparation/Administration	
<b>2. TMDL Compliance Expert</b>	<b>\$ 50,000</b>
Risk Sciences	
<b>3. Update of Watershed and In-Lake Nutrient Models</b>	<b>\$ 25,000</b>
Watershed Modeling	\$ -
in-lake Modeling	\$ 25,000
<b>4. Review and Revision of Water Quality Objectives</b>	<b>\$ -</b>
Revise Water Quality Targets	\$ -
<b>5. Revise TMDL</b>	<b>\$ 200,000</b>
<b>6. Contingency (10% of budgeted project expenses)</b>	<b>\$ 35,500</b>
<b>TMDL Task Force Regulatory/Administrative Budget</b>	<b>\$ 390,500</b>

### Part B: TMDL Implementation Project Budget

<b>1. TMDL Compliance Monitoring</b>	
<b><i>Watershed-wide Nutrient Monitoring Program</i></b>	<b>\$ 80,000</b>
Watershed-wide Nutrient Monitoring & Report Preparation	\$ 60,000
Wet Year Watershed-wide Monitoring (weather dependant) (RCFC&WCD)	\$ -
Lab Analysis, Watershed-wide Monitoring	\$ 20,000
<b><i>Lake Elsinore Nutrient Monitoring Program</i></b>	<b>\$ 40,000</b>
Lake Elsinore Nutrient Monitoring & Lab Analysis	\$ 30,000
Real-time Water Quality Monitoring in LE using Existing Data Sondes	\$ 10,000
<b><i>Canyon Lake Nutrient Monitoring Program</i></b>	<b>\$ 55,000</b>
Canyon Lake Nutrient Monitoring & Lab Analysis	\$ 55,000
<b><i>Blue Water Satellite Imagery Mapping</i></b>	<b>\$ 20,000</b>
<b><i>Special Study: Impact of Salinity on Zooplankton and In-lake water Quality</i></b>	<b>\$ 10,000</b>
<b><i>Annual Water Quality Monitoring Program Reporting</i></b>	<b>\$ 10,000</b>
<b>2. Lake Elsinore Project Alternatives</b>	
<b><i>Aeration &amp; Destratification System O&amp;M (to be handled by separate agreement)</i></b>	<b>\$ -</b>
O&M	\$ -
<b><i>Fishery Management O&amp;M</i></b>	<b>\$ -</b>
Carp Removal Program	\$ -
<b>3. Canyon Lake Project Alternatives</b>	<b>\$ 264,000</b>
Chemical Additions - Alum Dosing (2 applications annually)	\$ 200,000
Consulting Support	\$ -
O&M Agreement	\$ -
Detailed Design	\$ -
Construction	\$ -
Effectiveness Monitoring	\$ 40,000
O&M	\$ -
Project Administration (10% of budgeted expenses)	\$ 24,000
<b>TMDL Task Force Implementation Budget</b>	<b>\$ 479,000</b>

## Prop 84 Round 2 IRWM Funding

Budget  
2015-16

<b>Canyon Lake Hybrid Treatment process - Phase 1 (year reimbursement expected)</b>	<b>\$ 328,000</b>
<b>Total Grant Funding</b>	<b>\$ 328,000</b>
<b>TMDL Task Force Budget :</b>	<b>\$ 541,500<sup>28</sup></b>

## Task Force Agency Contributions Summary

**Budget  
2015-16**

### 1. Task Force Agency Allocation

	Total
<b>MS4 Co-Permittees (Total)</b>	<b>\$ 327,920</b>
Riverside County	\$ 31,544
City of Beaumont	\$ 27,160
City of Canyon Lake	\$ 24,440
City of Hemet	\$ 28,440
City of Lake Elsinore	\$ 33,720
City of Moreno Valley	\$ 19,912
City of Murrieta	\$ 27,160
City of Perris	\$ 29,720
City of Riverside	\$ 27,160
City of San Jacinto	\$ 27,160
City of Menifee	\$ 24,536
City of Wildomar	\$ 26,965
<b>Elsinore Valley Municipal Water District (EVMWD)</b>	<b>\$ 23,525</b>
<b>San Jacinto Agricultural Operators</b>	<b>\$ 34,120</b>
<b>San Jacinto Dairy &amp; CAFO Operators</b>	<b>\$ 25,160</b>
<b>CALTRANS - freeway</b>	<b>\$ 26,072</b>
<b>CA DF&amp;G - San Jacinto Wetlands</b>	<b>\$ 28,840</b>
<b>Eastern Municipal Water District</b>	<b>\$ 23,525</b>
<b>March Air Reserve Base Joint Powers Authority</b>	<b>\$ 27,160</b>
<b>US Air Force (March Air Reserve Base)</b>	<b>\$ 25,176</b>
<b>Total Funding Required</b>	<b>\$ 541,500</b>

#### Notes:

#### Task Force Administration

- a. Organize and facilitate TMDL TASK FORCE and TAC meetings,
- b. Perform secretarial, clerical and administrative services, including providing meeting summaries to TMDL TASK FORCE members,
- c. Manage TMDL TASK FORCE funds and prepare annual reports of TMDL TASK FORCE assets and expenditures,
- d. Serve as the contracting party, for the benefit of the TMDL TASK FORCE, for contracts with all consultants, contractors, vendors and other entities,
- e. Seek funding grants to assist with achieving goals and objectives of the TMDL TASK FORCE.
- f. Coordinate with other agencies and organizations as necessary to facilitate TMDL TASK FORCE work.
- g. 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.
- h. Possible administrator of future pollutant trading (water quality trading) agreements.

## Task Force Agency Contributions Detailed Tables

Budget  
2015-16

### Part A: Task Force Regulatory/Administrative Budget

#### Task Force Regulatory/Administrative Expenses

	Allocation
<b>MS4 Co-Permittees</b>	<b>\$ 234,300</b>
Riverside County	\$ 19,525
City of Beaumont	\$ 19,525
City of Canyon Lake	\$ 19,525
City of Hemet	\$ 19,525
City of Lake Elsinore	\$ 19,525
City of Moreno Valley	\$ 19,525
City of Murrieta	\$ 19,525
City of Perris	\$ 19,525
City of Riverside	\$ 19,525
City of San Jacinto	\$ 19,525
City of Menifee	\$ 19,525
City of Wildomar	\$ 19,525
<b>Elsinore Valley Municipal Water District (EVMWD)</b>	<b>\$ 19,525</b>
<b>San Jacinto Agricultural Operators</b>	<b>\$ 19,525</b>
<b>San Jacinto Dairy &amp; CAFO Operators</b>	<b>\$ 19,525</b>
<b>CALTRANS - freeway</b>	<b>\$ 19,525</b>
<b>CA DF&amp;G - San Jacinto Wetlands</b>	<b>\$ 19,525</b>
<b>Eastern Municipal Water District</b>	<b>\$ 19,525</b>
<b>March Air Reserve Base Joint Powers Authority</b>	<b>\$ 19,525</b>
<b>US Air Force (March Air Reserve Base)</b>	<b>\$ 19,525</b>
<b>Funding Required</b>	<b>\$ 390,500</b>

### Part B: TMDL Implementation Project Budget

#### TMDL Compliance Monitoring Expenses

#### Watershed-wide Nutrient Monitoring Program \*

	2/6/14 Cost Share Model	FY 2015-16 Allocation
<b>MS4 Co-Permittees</b>		<b>\$ 59,120</b>
Riverside County	0.102	\$ 8,048
City of Beaumont	0.025	\$ 2,000
City of Canyon Lake	0.025	\$ 2,032
City of Hemet	0.041	\$ 3,280
City of Lake Elsinore	0.107	\$ 8,560
City of Moreno Valley	0.184	\$ 14,720
City of Murrieta	0.025	\$ 2,000
City of Perris	0.057	\$ 4,560
City of Riverside	0.025	\$ 2,000
City of San Jacinto	0.025	\$ 2,000
City of Menifee	0.081	\$ 6,480
City of Wildomar	0.043	\$ 3,440
<b>Elsinore Valley Municipal Water District (EVMWD)</b>		
<b>San Jacinto Agricultural Operators</b>	0.152	<b>\$ 12,160</b>
<b>San Jacinto Dairy &amp; CAFO Operators</b>		
<b>CALTRANS - freeway</b>	0.025	<b>\$ 2,000</b>
<b>CA DF&amp;G - San Jacinto Wetlands</b>	0.026	<b>\$ 2,080</b>
<b>Eastern Municipal Water District</b>		
<b>March Air Reserve Base Joint Powers Authority</b>	0.025	<b>\$ 2,000</b>
<b>US Air Force (March Air Reserve Base)</b>	0.033	<b>\$ 2,640</b>
<b>Funding Required</b>	<b>1.000</b>	<b>\$ 80,000</b>

\* Watershed Monitoring Normalized % Max TP or TN Load (based on load to both lakes projected in 2015)

**Lake Elsinore Nutrient Monitoring Program + Blue Water Satellite Imagery Mapping +  
Special Study: Salinity / Zooplankton + Annual WQ Monitoring Program Reporting**

	Allocation
<b>MS4 Co-Permittees</b>	<b>\$ 48,000</b>
Riverside County	\$ 4,000
City of Beaumont	\$ 4,000
City of Canyon Lake	\$ 4,000
City of Hemet	\$ 4,000
City of Lake Elsinore	\$ 4,000
City of Moreno Valley	\$ 4,000
City of Murrieta	\$ 4,000
City of Perris	\$ 4,000
City of Riverside	\$ 4,000
City of San Jacinto	\$ 4,000
City of Menifee	\$ 4,000
City of Wildomar	\$ 4,000
<b>Elsinore Valley Municipal Water District (EVMWD)</b>	<b>\$ 4,000</b>
<b>San Jacinto Agricultural Operators</b>	<b>\$ 4,000</b>
<b>San Jacinto Dairy &amp; CAFO Operators</b>	<b>\$ 4,000</b>
<b>CALTRANS - freeway</b>	<b>\$ 4,000</b>
<b>CA DF&amp;G - San Jacinto Wetlands</b>	<b>\$ 4,000</b>
<b>Eastern Municipal Water District</b>	<b>\$ 4,000</b>
<b>March Air Reserve Base Joint Powers Authority</b>	<b>\$ 4,000</b>
<b>US Air Force (March Air Reserve Base)</b>	<b>\$ 4,000</b>
<b>Funding Required</b>	<b>\$ 80,000</b>

**Canyon Lake Nutrient Monitoring Program**

	Allocation
<b>MS4 Co-Permittees</b>	<b>\$ 35,588</b>
Riverside County	\$ 3,235
City of Beaumont	\$ 3,235
City of Canyon Lake	\$ 3,235
City of Hemet	\$ 3,235
City of Lake Elsinore	\$ 3,235
City of Moreno Valley	\$ 3,235
City of Murrieta	\$ 3,235
City of Perris	\$ 3,235
City of Riverside	\$ 3,235
City of San Jacinto	\$ 3,235
City of Menifee	\$ 3,235
City of Wildomar	\$ -
<b>Elsinore Valley Municipal Water District (EVMWD)</b>	<b>\$ -</b>
<b>San Jacinto Agricultural Operators</b>	<b>\$ 3,235</b>
<b>San Jacinto Dairy &amp; CAFO Operators</b>	<b>\$ 3,235</b>
<b>CALTRANS - freeway</b>	<b>\$ 3,235</b>
<b>CA DF&amp;G - San Jacinto Wetlands</b>	<b>\$ 3,235</b>
<b>Eastern Municipal Water District</b>	<b>\$ -</b>
<b>March Air Reserve Base Joint Powers Authority</b>	<b>\$ 3,235</b>
<b>US Air Force (March Air Reserve Base)</b>	<b>\$ 3,235</b>
<b>Funding Required</b>	<b>\$ 55,000</b>

**Lake Elsinore Project Alternatives**  
***Aeration & Destratification System O&M***

	Allocation
<b>MS4 Co-Permittees</b>	\$ -
Riverside County	\$ -
City of Beaumont	\$ -
City of Canyon Lake	\$ -
City of Hemet	\$ -
City of Lake Elsinore	\$ -
City of Moreno Valley	\$ -
City of Murrieta	\$ -
City of Perris	\$ -
City of Riverside	\$ -
City of San Jacinto	\$ -
City of Menifee	\$ -
City of Wildomar	\$ -
<b>Elsinore Valley Municipal Water District (EVMWD)</b>	\$ -
<b>San Jacinto Agricultural Operators</b>	\$ -
<b>San Jacinto Dairy &amp; CAFO Operators</b>	\$ -
<b>CALTRANS - freeway</b>	\$ -
<b>CA DF&amp;G - San Jacinto Wetlands</b>	\$ -
<b>Eastern Municipal Water District</b>	\$ -
<b>March Air Reserve Base Joint Powers Authority</b>	\$ -
<b>US Air Force (March Air Reserve Base)</b>	\$ -
<b>Funding Required</b>	<b>\$ -</b>

**Lake Elsinore Project Alternatives**  
***Fishery Management O&M***

	Allocation
<b>MS4 Co-Permittees</b>	\$ -
Riverside County	\$ -
City of Beaumont	\$ -
City of Canyon Lake	\$ -
City of Hemet	\$ -
City of Lake Elsinore	\$ -
City of Moreno Valley	\$ -
City of Murrieta	\$ -
City of Perris	\$ -
City of Riverside	\$ -
City of San Jacinto	\$ -
City of Menifee	\$ -
City of Wildomar	\$ -
<b>Elsinore Valley Municipal Water District (EVMWD)</b>	\$ -
<b>San Jacinto Agricultural Operators</b>	\$ -
<b>San Jacinto Dairy &amp; CAFO Operators</b>	\$ -
<b>CALTRANS - freeway</b>	\$ -
<b>CA DF&amp;G - San Jacinto Wetlands</b>	\$ -
<b>Eastern Municipal Water District</b>	\$ -
<b>March Air Reserve Base Joint Powers Authority</b>	\$ -
<b>US Air Force (March Air Reserve Base)</b>	\$ -
<b>Funding Required</b>	<b>\$ -</b>



**Canyon Lake Project Alternatives**

<i>Alum Addition</i> **	<b>FY 2015-16 Allocation</b>	<i>2/6/14 Cost Share Model</i>	<b>FY 2015-16 Applied Grant Reimbursement</b>
<b>MS4 Co-Permittees</b>	<b>\$ 202,488</b>		<b>\$ 251,576</b>
Riverside County	\$ 13,464	0.050	\$ 16,728
City of Beaumont	\$ 6,600	0.025	\$ 8,200
City of Canyon Lake	\$ 17,952	0.068	\$ 22,304
City of Hemet	\$ 6,600	0.025	\$ 8,200
City of Lake Elsinore	\$ 6,600	0.025	\$ 8,200
City of Moreno Valley	\$ 88,968	0.337	\$ 110,536
City of Murrieta	\$ 6,600	0.025	\$ 8,200
City of Perris	\$ 6,600	0.025	\$ 8,200
City of Riverside	\$ 6,600	0.025	\$ 8,200
City of San Jacinto	\$ 6,600	0.025	\$ 8,200
City of Menifee	\$ 35,904	0.136	\$ 44,608
City of Wildomar			
<b>Elsinore Valley Municipal Water District (EVMWD)</b>			
<b>San Jacinto Agricultural Operators</b>	<b>\$ 19,800</b>	0.074	<b>\$ 24,600</b>
<b>San Jacinto Dairy &amp; CAFO Operators</b>			<b>\$ 1,600</b>
<b>CALTRANS - freeway</b>	<b>\$ 11,088</b>	0.042	<b>\$ 13,776</b>
<b>CA DF&amp;G - San Jacinto Wetlands</b>			
<b>Eastern Municipal Water District</b>			
<b>March Air Reserve Base Joint Powers Authority</b>	<b>\$ 6,600</b>	0.025	<b>\$ 8,200</b>
<b>US Air Force (March Air Reserve Base)</b>	<b>\$ 17,424</b>	0.066	<b>\$ 21,648</b>
<b>Funding Required</b>	<b>\$ 264,000</b>	0.0975	<b>\$ 321,400</b>

\*\* Normalized Multi Criteria Offset Demand or Min Buy in (Project % Need) (based on need projected for 2015)

- 1) presumes actual CNRP/AGMNP offset demand estimates projected for 2015
- 2) Negative numbers are shown as "0", Jurisdictions with zero offset demand are not funding partners
- 3) Proposes 2.5% minimum project buy-in for those with minor offset demands
- 4) 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

## Task Force Agency Contributions Detailed Tables

Budget  
2015-16  
Allocation

<b>MS4 Co-Permittees (Total)</b>	<b>\$ 327,920</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 234,300
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 59,120
Lake Elsinore Nutrient Monitoring Program	\$ 48,000
Canyon Lake Nutrient Monitoring Program	\$ 35,588
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (49,088)
<b>Riverside County</b>	<b>\$ 31,544</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 8,048
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (3,264)
<b>City of Beaumont</b>	<b>\$ 27,160</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,000
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)
<b>City of Canyon Lake</b>	<b>\$ 24,440</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,032
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (4,352)

<b>City of Hemet</b>	<b>\$ 28,440</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 3,280
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)
<b>City of Lake Elsinore</b>	<b>\$ 33,720</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 8,560
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)
<b>City of Moreno Valley</b>	<b>\$ 19,912</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 14,720
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (21,568)
<b>City of Murrieta</b>	<b>\$ 27,160</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,000
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)

<b>City of Perris</b>	<b>\$ 29,720</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 4,560
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)
<b>City of Riverside</b>	<b>\$ 27,160</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,000
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)
<b>City of San Jacinto</b>	<b>\$ 27,160</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,000
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)
<b>City of Menifee</b>	<b>\$ 24,536</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 6,480
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (8,704)

<b>City of Wildomar</b>	<b>\$ 26,965</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 3,440
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ -
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ -
<b>Elsinore Valley Municipal Water District (EVMWD)</b>	<b>\$ 23,525</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ -
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ -
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ -
<b>San Jacinto Agricultural Operators</b>	<b>\$ 34,120</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 12,160
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (4,800)
<b>San Jacinto Dairy &amp; CAFO Operators</b>	<b>\$ 25,160</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ -
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)

<b>CALTRANS - freeway</b>	<b>\$ 26,072</b>
Task Force Regulatory/Administrative Expenses	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,000
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (2,688)
<b>CA DF&amp;G - San Jacinto Wetlands</b>	<b>\$ 28,840</b>
Task Force Regulatory/Administrative Expenses	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,080
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ -
<b>Eastern Municipal Water District</b>	<b>\$ 23,525</b>
Task Force Regulatory/Administrative Expenses	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ -
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ -
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ -
<b>March Air Reserve Base Joint Powers Authority</b>	<b>\$ 27,160</b>
Task Force Regulatory/Administrative Expenses	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,000
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (1,600)

<b>US Air Force (March Air Reserve Base)</b>	<b>\$ 25,176</b>
<b>Task Force Regulatory/Administrative Expenses</b>	\$ 19,525
<b>TMDL Compliance Monitoring Expenses</b>	
Watershed-wide Nutrient Monitoring Program	\$ 2,640
Lake Elsinore Nutrient Monitoring Program	\$ 4,000
Canyon Lake Nutrient Monitoring Program	\$ 3,235
<b>Lake Elsinore Project Alternatives</b>	
Aeration & Destratification System O&M	\$ -
Fishery Management O&M	\$ -
<b>Canyon Lake Project Alternatives</b>	\$ (4,224)
<b>Total:</b>	<b>\$ 541,500</b>

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## LESJWA BOARD MEMORANDUM NO. 766

**DATE:** April 16, 2015

**SUBJECT:** Canyon Lake Alum Application Status

**TO:** 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 for the Canyon Lake Alum Application by Aquatechnex.

### BACKGROUND

As of February 13<sup>th</sup>, the fourth of five alum applications was re-scheduled for April 9<sup>th</sup> & 10<sup>th</sup>. It was originally scheduled at Canyon Lake to be conducted on March 2-5 in order to continue progress in meeting the TMDL requirements. However, on Feb. 17<sup>th</sup>, LESJWA staff learned from Dr. Noblet of CSUSF, who was sampling Canyon Lake, that the lake was undergoing a major shift toward a major algae bloom and high oxygen levels in the upper portion of the water column in the main lake body. The East Bay appeared relatively clear of algae at this time. Based on this observation, the Canyon Lake Alum Application Technical Advisory Committee (TAC), which includes the participation of EVWMD staff, City of Canyon Lake staff, Canyon Lake POA, Dr. Michael Anderson, MWH staff, CDM Staff, Dr. Noblet, RCFCWCD staff and LESJWA staff, was contacted and has elected to defer the early March application until conditions in the lake improve. Concerns were raised that conditions of Canyon Lake could be similar to last February 2014 in which an algae bloom and high oxygen levels result in the alum not being quickly dispersed in the lake column and sitting at the surface for several days, upsetting residents around the lake.

The TAC met again on March 24<sup>th</sup> to review the most current monitoring data. In light of the significantly improved clarity of the main body of Canyon Lake, the TAC recommended that the next alum application be applied only to the East Bay and not the Canyon Lake main body. Dr. Michael Anderson, Canyon Lake expert, advocated for a much higher alum dosing in the East Bay. After discussion, the TAC recommended that before significant funding and additional alum dosing can occur, a CEQA amendment may be necessary and would need to be undertaken before increased alum dosing for the entire lake. Additional alum toxicity studies also may be needed. The TAC agreed that an experimental heavier dosing of just one cove, Gold Cove, was recommended to determine if the increased dosing would result in significant lowering of the phosphorus and chlorophyll *a* concentrations. Consequently, the amount of overall dosage to the East Bay of Canyon Lake will not change. Jar tests and laboratory analysis will be conducted of the Gold Cove water to determine what level of increased dosing is practical. The date selected for the April application was April 9<sup>th</sup> & 10<sup>th</sup>. Notice of this change was forwarded to the LESJWA Board and the media.

The April application was conducted with pre and post monitoring as has been the case in all past applications, and EVMWD staff on the boats will continue to ensure quality control by the contractor, Aquatechnex. Subsequent to the TAC meeting, the LE/CL TMDL Task Force decided not to proceed with any significant increase in dosing beyond the amount already approved by existing toxicity studies and CEQA, due to concern to the negative impacts. The increase in Gold Cove will be limited to an increase in alum application from 30 mg/L to 40 mg/L, and not the doubling originally contemplated. This increase is within the limits defined in the CEQA and toxicity testing conducted in the past.

**RESOURCES IMPACT**

All staff time associated with the Canyon Lake alum application has been budgeted under the LE/CL TMDL Task Force budget that is also shown in the LESJWA budget.

MN/dm

**LESJWA BOARD MEMORANDUM NO. 767**

**DATE:** April 16, 2015  
**SUBJECT:** TMDL Task Force Status Report  
**TO:** LESJWA Board of Directors  
**FROM:** Mark R. Norton, P.E., Authority Administrator

**RECOMMENDATION**

That the Board of Directors receive and file this status report on the Lake Elsinore and Canyon Lake TMDL Task Force.

**BACKGROUND**

LESJWA continues to serve as the administrator for the Task Force and is a signatory to the Task Force Agreement. The Task Force has been active in working with Dr. Michael Anderson with the research work on both Lake Elsinore and Canyon Lake, with Haley & Aldrich on finalizing the development of an updated lake and watershed monitoring plan, and with Tim Moore of Risk Sciences on a process to modify the TMDL. The new monitoring program for the lake and watershed will be started in FY 2015-2016 upon final approval by the Santa Ana Regional Board.

For Lake Elsinore, the Task Force continues to work with the Lake Elsinore operators to work on a new operation and maintenance agreement for the Lake Elsinore aeration system. This will incorporate credits for funding support by the Riverside County MS4 permittees and others to meet their responsibility to control internal nutrient loads. Progress continues slowly as nutrient credits resulting from the Lake Elsinore aeration and mixing operations become better defined.

LESJWA, under a contract with Weston Solutions, continues to oversee and implement the watershed-wide stormwater monitoring for the Lake Elsinore and Canyon Lake Nutrient Total Maximum Daily Load (TMDL). No measurable storms have occurred this year so far.

As part of the Task Force Agreement, a Task Force budget and cost allocation has been prepared by the LE/CL TMDL Task Force for the FY 2015-16. The new budget reflects a separation of costs between administration for the Task Force, which includes Risk Sciences' support and updated monitoring, additional studies, and the beginning of a TMDL revision. Their Task Force budget has been included into the overall LESJWA Budget for FY 2015-16.

**RESOURCES IMPACT**

All staff administration time for this contract will be taken from the TMDL budget and funded only by the TMDL Task Force parties.

MN:dm

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**LESJWA MEMORANDUM NO. 768**

**DATE:** April 16, 2015  
**SUBJECT:** Adopt Resolution No. 2015-01, Commending Nancy Horton for Service  
**TO:** LESJWA Board of Directors  
**FROM:** Mark Norton, P.E., Authority Administrator

**RECOMMENDATION**

Staff recommends that the Board of Directors adopt Resolution No. 2015-01, commending Nancy Horton for her service on the LESJWA Board of Directors, and for outstanding public service and contributions toward the improvement of Lake Elsinore, Canyon Lake and San Jacinto Watersheds. Ms. Horton served as a LESJWA Board member since February 2008, including two years as a LESJWA Board Chair; she has been an active member of the various LESJWA Committees, and also served as Councilmember for the City of Canyon Lake. A copy of the Resolution is attached.

**RESOURCES IMPACT**

None.

MN:dm

Attachment: Resolution No. 2015-01



**RESOLUTION NO. 2015-01**

**COMMENDING**

*Nancy Horton*

**FOR HER DEDICATION TO LESJWA**

**WHEREAS, Nancy Horton** has served as a Director on the Board of the Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) since February 2008, including a two-year term as Chair;

**WHEREAS,** during her distinguished tenure, Nancy has thoughtfully and enthusiastically supported numerous LESJWA programs while working to assure the protection and quality of water resources in Lake Elsinore, Canyon Lake, and the surrounding San Jacinto Watershed;

**WHEREAS,** Nancy Horton concurrently served as a member of LESJWA’s Education & Outreach Committee, as well as a member of the Lake Elsinore/Canyon Lake TMDL Task Force; and

**WHEREAS,** Nancy has lived in the City of Canyon Lake since 2000, has proudly served as a Councilmember for the City for six years, and has been a devoted public servant and loyal advocate for the residents of Canyon Lake and surrounding areas.

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors for the Lake Elsinore & San Jacinto Watersheds Authority extends its heartfelt appreciation to Nancy Horton for her outstanding public service and contributions toward the betterment of the Lake Elsinore and San Jacinto Watersheds, and extends best wishes to her in all future endeavors.

**ADOPTED** this 16th day of April, 2015.

**LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY**

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City of Lake Elsinore, Board Chair

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LESJWA Authority Administrator

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City of Canyon Lake

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Elsinore Valley Municipal Water District

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County of Riverside

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Santa Ana Watershed Project Authority

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