1) Offset Credits Background Data

Offset Credits*	Phosphorus	Nitrogen				
Credits Generated	7,030 kg/yr	44,000 kg/yr				
Credits per Hour of Operation (2,000 hrs/yr)	3.5 kg/hour	22 kg/hr				
Credits Reserved to Offset Recycled Water	3,896 kg/yr	19,482 kg/yr				
Credits Reserved by Riv. Co. & City of Lk. Elsinore	615 kg/yr	4,294 kg/yr				
Credits Available to Offset Other Dischargers	2,519 kg/yr	20,224 kg/yr				
Max. Hours Available for Sponsorship	720 hrs/yr*					

*2,519 kg/yr of TP credits available divided by 3.5 kg/yr = 720 hours/year

2) <u>Current Cost-Sharing Allocation</u> (Worst Case Illustration: Zero Credits Purchased by <u>New</u> Sponsor/Partners)

Agency	Current	Est.	ТР	ТР	TN	TN
	Allocation	Cost Share	Credits	Load	Credits	Load
City of Lake Elsinore	33%	\$166,667	2,343 kg/yr	27.6 kg/yr	14,666 kg/yr	40.5 kg/yr
EVMWD	33%	\$166,667	2,343 kg/yr	3,896.4 kg/yr	14,666 kg/yr	885.5 kg/yr
Riverside County	33%	\$166,667	2,343 kg/yr	587.1 kg/yr	14,666 kg/yr	154.7 kg/yr
Current Total		\$500,000	7,030 kg/yr	4,511 kg/yr	7,030 kg/yr	23,776 kg/yr

3) Total <u>Potential</u> Demand for Offset Credit Hours (704 hrs/yr) is 98% of the Available Supply (720 hrs/yr)

- 4) **Proposed Cost-Sharing Formula** (Probable Case Illustration: 84% of Available Hours Sold to <u>New</u> Sponsor/Partners)
 - A. Total Annual O&M Cost: \$500,000
 - B. Minus Value of Credits Sold: \$180,600 (assumes 602 hrs. sold * \$300/hr)
 - C. Residual O&M Expense: \$319,400 (shared equally by the three original funding partners = \$106,467 ea.)

Group	Jurisdiction	TP Load	TP Hours	TN Load	TN Hours	Max. Hrs.*	Est. Cost	
Croup	5411541611611	(kg/yr)	(annual)	(kg/yr)	(annual)	(annual)	(\$300/hr)	
	Canyon Lake	38.8	11.1	371.6	16.9	17	\$5,100	
	Hemet	97.7	27.9	1183.3	53.8	54	\$16,200	
NACA	March JPA	10.4	3.0	106.0	4.8	5	\$1,500	
MS4	Menifee	322.0	92.0	2794.2	127.0	128	\$38,400	
Co-Permittees	Moreno Valley	309.2	88.3	3406.1	154.8	155	\$46,500	
(urban runoff &	Murrieta	2.6	.7	63.3	2.9	3	\$900	
septic systems)	Perris	128.6	36.7	1409.6	64.1	65	\$19,500	
septic systems)	City of Riverside	1.7	.5	95.7	4.3	5	\$1,500	
	San Jacinto	.9	.2	7.5	.3	1	\$300	
	Wildomar	110.0	31.4	620.7	28.2	32	\$9,600	
Agriculture	Irrigated Ag. (CWAD?)	479.2	136.9	1212.8	55.1	137	\$41,100	
Agriculture	Non-Irrigated Ag.	291.9	83.4	628.7	28.6	84	\$25,200	
	CA Fish & Game	.0	.0	.3	.0	1	\$300	
State	Caltrans	25.5	7.3	199.7	9.1	10	\$3,000	
Agencies	WRCRCA	.1	.0	.4	.0	1	\$300	
	State Lands - Other	1.7	.5	15.5	.7	1	\$300	
Fadaral	Federal - USFS	1.1	.3	3.3	.1	1	\$300	
Federal	March ARB	.7	.2	56.6	2.6	3	\$900	
Agencies	Federal - Other	.4	.1	2.5	.1	1	\$300	
	Total	1,823	521	12,178	554	704	\$211,200	

5) Potential demand for LEAMS offset credits from 1/1/16 thru 12/31/20

*Max. Hours = Min. # of hours required to offset 100% of stakeholder's anthropogenic increase in TP and TN loads over and above what would have occurred from the same area under pre-development land use conditions (rounded <u>up</u> to the nearest whole hour).

Note: estimated anthropogenic increase in nutrient loads were calculated by CDM-Smith in February of 2016 using the best available data for land use (2014), jurisdictional boundaries, hydrological sub-zones, and BMP implementation.

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