BASMAA Agency Contributions - FY 19-20

Agency	Population (DOF, 1/1/19)	Percent of Population	Total Cost share
Santa Clara	1,852,616	29.82	$74,557
Alameda	1,669,301	26.87	$67,180
Contra Costa	1,155,879	18.61	$46,517
San Mateo	774,485	12.47	$31,169
Marin	262,879	4.23	$10,579
Fairfield-Suisun	146,596	2.36	$5,900
Napa	140,779	2.27	$5,666
Vallejo	119,544	1.92	$4,811
Sonoma	90,000	1.45	$3,622
	6,212,079	100.00	$250,000

$250,000.00

Dues Budget $250,000 is 0% increase over FYs 10-11, 11-12, 12-13, 13-14, 14-15, 15-16, 16-17, 17-18, & 18-19

Dues per 1,000 population $40.24

Benicia $1,107

Acctg Code	Project	Budget-Funding															
				BASMAA Member Agencies									Others				
	Project Title (MRP provision / Small MS4 Permit provision)	FY 18-19 Carryover	FY 19-20 Budget	ACCWP	CCCWP	FSURMP	MCSTOPPP	NCSPPP	SMCWPPP	SCVURPPP	SCWA	VFWD	BASMAA	BACWA-BAPPG	FY 19-20 Totals	Prior Yrs Carryover + FY 19-20 Totals
5360															$ -	$ -
5416	**Board of Directors**															
	Pesticides Toxicity - Regulatory Modernization (C.9.f)	$ -	$ 32,000	$ 8,599	$ 5,954	$ 755	$ 1,354	$ 725	$ 3,990	$ 9,543	$ 464	$ 616			**$ 32,000**	**$ 32,000**
	Reasonable Assurance Analyses (RAAs) Peer Reviews (C.11 / C.12.c.(ii)(2))	$ -	$ 20,000	$ 2,500	$ 2,500	$ 2,500			$ 5,000	$ 5,000		$ 2,500			**$ 20,000**	**$ 20,000**
5417	**Development Committee**															
															$ -	$ -
5418	**Monitoring / POCs Committee**															
	On-Call Services for Maintenance of RMC Monitoring Database (C.8.b/h)		$ 10,000	$ 2,919	$ 2,021	$ 256			$ 1,354	$ 3,240		$ 209			**$ 10,000**	**$ 10,000**
	Creek Status Monitoring-Related Coordination (RMC 3c) (C.8.d/e/g)		$ 14,000	$ 7,560	$ 5,235	$ 664						$ 541			**$ 14,000**	**$ 14,000**
	Regional SSID Project Work Plan and Implementation (C.8.e)		$ 75,000	$ 21,894	$ 15,160	$ 1,923			$ 10,158	$ 24,298		$ 1,568			**$ 75,000**	**$ 75,000**
	Technical Support for Regional Monitoring Coalition (RMC) Programs (C.8 / C.20)		$ 30,000	$ 8,757	$ 6,064	$ 769			$ 4,063	$ 9,719		$ 627			**$ 30,000**	**$ 30,000**
	POC Monitoring for Source Identification and Management Action Effectiveness (C.8.f / C.12.e)			$ -	$ -	$ -			$ -	$ -		$ -			$ -	$ -
	Refined Source Control Load Reduction Accounting for RAA (C.11.d/C.12.d)			$ -	$ -	$ -			$ -	$ -		$ -			$ -	$ -
	Managing PCBs-Containing Materials and Wastes during Building Demolition - Phase I: Developing an Implementation Framework, Guidance Materials, and Tools for Permittees (C.12.f)	$ -		$ -	$ -	$ -			$ -	$ -		$ -			$ -	$ -
	Outreach / Training Webinar for Industry Stakeholders	$ -		$ -	$ -	$ -			$ -	$ -		$ -			$ -	$ -
	Municipal Operations Committee															
															$ -	$ -
5421	**Phase II Committee**															
	On-Land Visual Trash Assessment Frame for North Bay Phase II Permittees		$ 30,000				$ 15,975	$ 8,555			$ 5,469				**$ 30,000**	**$ 30,000**
5422	**Public Information/Participation Committee**															
	IPM Partnership Program XXI (OWOW) (C.9.e.ii.(1) / E.7.a)		$ 40,000	$ 10,749	$ 7,443	$ 944	$ 1,693	$ 906	$ 4,987	$ 11,929	$ 580	$ 770		$ 10,000	**$ 50,000**	**$ 50,000**
5423	**Trash Committee**															
	Preliminary and Final Reports on Trash Receiving Water Monitoring Program Plan and Related Tasks (C.10.b.v)		$ 30,000	$ 8,757	$ 6,064	$ 769			$ 4,063	$ 9,719		$ 627			**$ 30,000**	**$ 30,000**
	Totals	**$ -**	**$ 281,000**	**$ 71,736**	**$ 50,441**	**$ 8,580**	**$ 19,022**	**$ 10,187**	**$ 33,615**	**$ 73,449**	**$ 6,513**	**$ 7,458**	**$ -**	**$ 10,000**	**$ 291,000**	**$ 291,000**

Multi-year Projects or Programs

Two-year total = $95,000 = $20,000 (FY 18-19) + pending Board of Directors approval $75,000 (FY 19-20)

Three-year total = $385,000 = $65,000 (FY 16-17) + $280,000 (FY 17-18) + $40,000 (FY 18-19)

Three-year total = $376,259 = $100,000 collected FY 16-17 + $229,001 FY 17-18 ($224,098 FY 17-18 + $4,903 FY 17-18 added Task 1) + $47,258 FY 18-19 ($42,258 FY 18-19 + $5,000 FY 18-19 added Webinar)

Two-year total = $90,000 = $60,000 (FY 18-19) + pending Board of Directors approval $30,000 (FY 19-20)

Project-specific allocation of project costs - See spreadsheet for amounts.

Information pending or tentative

		All Programs		6 MRP Programs		4 MRP Programs		5 MRP Programs		3 Phase II Programs	
Agency		Population (DOF, 1/1/19)	Percent of Population	Population (DOF, 1/1/19)	Percent of Population	Population (DOF, 1/1/19)	Percent of Population	Population (DOF, 1/1/19)	Percent of Population	Population (DOF, 1/1/19)	Percent of Population
SCVURPPP		1,852,616	29.82	1,852,616	32.40		0.00		0.00		0.00
ACCWP		1,669,301	26.87	1,669,301	29.19	1,669,301	54.00	1,669,301	43.18		0.00
CCCWP		1,155,879	18.61	1,155,879	20.21	1,155,879	37.39	1,155,879	29.90		0.00
SMCWPPP		774,485	12.47	774,485	13.54		0.00	774,485	20.03		0.00
MCSTOPPP		262,879	4.23		0.00		0.00		0.00	262,879	53.25
FSURMP		146,596	2.36	146,596	2.56	146,596	4.74	146,596	3.79		0.00
NCSPPP		140,779	2.27		0.00		0.00		0.00	140,779	28.52
VFWD		119,544	1.92	119,544	2.09	119,544	3.87	119,544	3.09		0.00
SCWA		90,000	1.45		0.00		0.00		0.00	90,000	18.23
Totals		6,212,079	100.00	5,718,421	100.00	3,091,320	100.00	3,865,805	100.00	493,658	100.00

BASMAA

Project Profile

Project Name: Pesticides Toxicity - Regulatory Modernization

Description: The purpose of this project (in the form of a contribution to CASQA for work in its FY 2020 (calendar year)) is to:

- Convince California and Federal pesticide regulators to take additional actions as necessary to end pyrethroid-related toxicity in waters and sediments and to prevent future pesticide-related toxicity from emerging products like fipronil, imidacloprid, and indoxacarb.
- Complete the process of changing the way pesticide regulatory processes are implemented to ensure that pesticide regulators prevent toxicity when pesticides are registered or periodically reviewed.
- Oppose California and Federal water regulatory actions that make permittees rather than pesticide regulators responsible for pesticide-caused water pollution.

Activities specific to CASQA's FY 2020 are described in Attachment A – Scope of Services from the Agreement between CASQA and TDC Environmental, LLC for the project: *True Source Control for Pesticides in Urban Waterways.*

FY: 19-20
MRP reference: C.9.f (MRP 2.0)
Committee task ID: Not applicable
Overseer 1: Board of Directors
Overseer 2: CASQA Pesticides Subcommittee[1]
Budget: $32,000 (Others – CASQA ($50,000-$100,000); Sacramento (~$17,000); Others? ($?)) Total~$150,000

One-time_____ multi-FY___X____
Compliance date: Ongoing
Profile last updated on: 5/31/19
Project Officer: Geoff Brosseau

Status: CASQA Pesticides Subcommittee review

Funding source(s): All BASMAA member programs (ACCWP, CCCWP, FSURMP, MCSTOPPP, NCSPPP, SMCWPPP, SCVURPPP, SCWA, VFWD) plus others

Contracting Agency(s): CASQA

Contractor(s): TDC; Armand Ruby Consulting; Stephanie Hughes, Tammy Qualls

Deliverable(s):	**Due/completed**
Written comment letters	Ongoing
Technical reports	Ongoing
Talking points for letters and meetings	Ongoing
Regulatory updates	Ongoing
Regulatory action plans	Monthly
Annual report	July 2020

[1] CASQA Pesticides Subcommittee manages BASMAA's and others' contributions to CASQA on a day-to-day basis

ATTACHMENT A
SCOPE OF SERVICES

Subject to the terms and conditions set forth in this Agreement, Consultant shall provide to the Association the services described in the scope of work below.

A key focus of the consultant will be to support effective participation by CASQA in the State Water Board's Urban Pesticide Reduction Plan to ensure that it supports and institutionalizes CASQA's vision for addressing pesticide water quality problems.

Additional effort will be required to support CASQA's efforts to support and influence ongoing efforts by DPR to address pyrethroid and fipronil impacts on urban water bodies.

Areas of activity to be conducted include the following:

- Provide strategic and tactical advice to the Pesticides Subcommittee regarding near and long term actions to achieve CASQA's goals regarding pesticides.

- Identify key issues and recommended actions. Communicate this information to affected California water quality, stormwater, and wastewater agencies[1] & their organizations.

- Identify and track pesticide regulatory processes affecting urban surface water quality, and communicate relevant items to Pesticides Subcommittee.

- Establish and maintain effective flow of communications between state and federal pesticide and water quality agencies, local stormwater and wastewater agencies, and other key stakeholders.

- Participate in CASQA Pesticides Subcommittee meetings to disseminate information among other stormwater agencies and receive input on comment letters and other deliverables.

- As resources permit, follow up on past activities by CASQA and the Water Boards to ensure continued progress on actions that will prevent water pollution from urban pesticide use and/or assist water quality, stormwater, and wastewater agencies with pesticide management.

- As resources permit, provide scientific information and clarifications to US EPA and DPR relevant to water quality, stormwater, and wastewater.

[1] Activities related to wastewater agencies referenced here and elsewhere will only be included to the extent wastewater agencies and/or their organizations provide funding.

- As resources permit, participate in meetings with DPR, US EPA, and the pesticide industry. Prepare CASQA representatives for meetings with pesticide regulators and/or the pesticide industry; prepare meeting materials as required; complete follow-up action items as necessary.

- Prepare regular written updates summarizing activities and outcomes in a format suitable for distribution to the clean water community.

- As resources permit, assist CASQA with Regulatory Response and Special Tasks such as:

    - preparing analyses of regulatory documents like environmental risk assessments,
    - obtaining related scientific information (essential for credible input),
    - preparing talking points, meeting materials, and/or comment letters on behalf of CASQA,
    - participating in meetings with regulators and the pesticide industry regarding proposed actions,
    - obtaining, organizing and analyzing background information, such as pesticide use information, identification of priority pesticides, and data summaries on new pesticides, as required to inform management decisions or to document the scientific basis for a requested regulatory action, and as directed, assembling scientific and/or regulatory information into memoranda or brief reports, and
    - provide information to support preparation of CASQA's Pesticide Subcommittee Annual Report.

Work products will be completed at the direction of the CASQA Project Officer. Examples of work product types include regulatory comment letters to DPR and OPP; technical reports; talking points for letters and meetings, regulatory updates, annual reports, and regulatory action plans.

B A S M A A

Project Concept for BOD Consideration

2019-20 Board of Directors Priorities addressed: Compliance with MRP provision C.11/12.c.ii, which requires that Permittees *"Ensure that the calculation methods, models, model inputs and modeling assumptions used [in RAA modeling] have been validated through a peer review process."*

Title: Reasonable Assurance Analysis (RAA) Peer Review

Purpose: The purpose of this project is to conduct a regionally consistent peer review process for the five Reasonable Assurance Analyses (RAAs) being conducted on a countywide basis for BASMAA member agencies associated with the MRP. The project will be facilitated by the BASMAA Executive Director and the RAA Work Group, under the direction of the Board of Directors (BOD).

Background: The MRP includes requirements for conducting RAAs for Green Infrastructure (GI) to identify control measures that will reduce Polychlorinated Biphenyls (PCBs) and total mercury in stormwater discharges to the San Francisco Bay. An RAA is a demonstration that existing and planned GI will achieve regional pollutant load reduction goals described in the MRP and assist BASMAA member agencies in making progress towards addressing the broader PCBs and mercury Total Maximum Daily Load (TMDL) wasteload allocations for urban stormwater runoff. Additionally, the RAA will provide a method for evaluating the type, size, number, location, and phasing of GI facilities that are needed to most cost-effectively comply with the region-wide GI load reduction goals stated in MRP.

The MRP requires Permittees to conduct RAAs to demonstrate that existing and future GI will achieve a PCBs load reduction of 3 kg/yr and a mercury load reduction of 10 kg/year across the permit-area. Per the MRP requirements, each RAA must include the following:

a) Quantify the relationship between areal extent of GI implementation and PCBs and mercury load reductions, taking into consideration the scale of contamination of the treated area as well as the pollutant removal effectiveness of likely GI strategies;

b) Estimate the amount and characteristics of land area that will be treated through GI by 2020, 2030, and 2040;

c) Estimate the amount of PCBs and mercury load reductions that will result from GI implementation by 2020, 2030, and 2040;

d) Quantitatively demonstrate that (regionally) PCBs reductions of at least 3 kg/year and mercury reductions of 10 kg/year will be realized by 2040 through implementation of GI projects; and

e) Ensure that the calculation methods, models, model inputs and modeling assumptions used to complete the above have been **validated through a peer review process**.

To address the MRP requirements listed above, RAAs are being conducted for Permittees within each applicable county, consistent with regional guidance developed in 2017 by BASMAA. The guidance was developed in consultation with Regional Water Board staff and interested stakeholders and technical advisors. By agreeing to use the regional RAA guidance document, and via participation in the BASMAA regional RAA Work Group, MRP Permittees are attempting to produce comparable baseline hydrology and pollutant loads modeling results, and achieve consistency in estimates of PCBs and mercury load reductions achieved through implementation of current, planned, and future GI.

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Over the course of 10 RAA Work Group meetings and email communications, the Work Group developed a regionally consistent peer review process and tools to assist peer reviewers. The tasks completed by the Work Group include:

- Development of a list of potential peer reviewers;
- Ranking of each potential peer reviewer for consideration;
- Development of key questions and focus areas that will be posed to peer reviewers to structure their review; and
- Development of a matrix (Excel spreadsheet) and guidance document/instructions to assist peer reviewers in their review, documenting their comments, and providing a structure for submitting responses.

The Work Group agreed that two peer reviewers would suffice for the RAA review process. Additionally, the Work Group also agreed that for regional consistency the same two peer reviewers should review the methods, model inputs and modeling assumptions used in each RAA. Potential peer reviewers are currently being contacted by the BASMAA Executive Director.

Scope: The RAA Work Group agreed to develop and conduct a regionally consistent peer review process to address MRP requirements and receive technical input on the RAA modeling approaches being used. The peer review process, including the scope, questions and list of potential reviewers, was agreed upon by the Work Group and received positive input from Regional Water Board staff.

The scope of this project includes the following tasks for each RAA:

- Review the RAA peer review matrix/document, instructions and materials provided;
- Develop written comments for each RAA question/component included in the matrix/document; and,
- Correspond in follow-up communications (as necessary) to clarify comments.

The scope of the peer review of the RAAs that will include the review of the methods, models, model inputs and modeling assumptions used by BASMAA member agencies to develop their RAAs. The peer review will focus on addressing the following four questions for different modeling components outlined in the matrix and guidance document:

1. Have the modeling approach and components, including the calculation methods, model, model inputs, and modeling assumptions, been adequately documented?

2. Are the modeling approach and components consistent with the guidelines and criteria provided in the RAA Guidance Document? If not, is the deviation adequately documented and justified?

3. Is modeling approach and components based on sound scientific knowledge, methods, and practice, given the available information and data?

4. Are key assumptions or simplifications used in the modeling approach and components reasonable and/or adequately justified?

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The BASMAA Executive Director will serve as the direct contact with the peer reviewers and will receive and distribute the comments received on each RAA to member agency representatives. All comments on all RAAs will be shared among all participating member agencies. It will be the responsibility of each participating member agency to respond to comments specific to their RAA.

Products:

- Comments on each of four RAAs, from each peer reviewer via the completion of the RAA Peer Review matrix and/or document.[1]

Schedule: Peer review will begin in June 2019 and be completed by August 2019.

Cost (estimate): $20,000 ($5,000 for each RAA)

Project partners, if any: None.

Implementer(s): Committee(s) _____ Consultant _____

[Check/list as appropriate] Member_____ Other _____ RAA Work Group

Selection Process(es):

____ Executive Director Discretion __X__Sole Source ____ Request for Qualifications

____ Request for Proposal ____ Interview

Proposer: RAA Work Group

Date: 5/20/19

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[1] Since the RAAs being developed for ACCWP and CCCWP are following identical processes, one RAA document is being developed by these programs for review by Peer Reviewers.

B A S M A A

Project Concept

2019 Board of Directors Priorities addressed: Ongoing Maintenance of Regional Monitoring Database

Title: On-call Services for Maintenance of RMC Monitoring Database

Purpose: To provide ongoing information management services related to the RMC Monitoring Database on an as needed basis to assist in compliance with several C.8 provisions in MRP 2.0.

Background: In 2010, Regional Project RMC 3e developed the RMC Monitoring Database to store and manage SWAMP-comparable data collected in compliance with Provision C.8.c of MRP 1.0 (now Provision C.8.d of MRP 2.0). Data is entered and exported using Excel Templates that contain standardized nomenclature or look up lists. Periodically, the sampling protocols change and/or the database users desire new reporting products that require changes to the RMC database and Excel Import/Export Templates. Furthermore, RMC database users often have questions about the database and how to use the Excel Templates. Regional Project RMC 3e included budget to provide ongoing, as-needed database management, communications, and technical assistance to the RMC; however, the budget has since been exhausted.

As an ongoing related task (Task RMC 3g), funded outside of BASMAA by SCVURPPP and SMCWPPP at a level comparable to Regional Project RMC 3c ($14,000 annually), EOA conducts several in-kind services. These include: close technical database assistance to RMC programs, annual compilation of RMC program Creek Status data into one database, serving as the link between the RMC and the CEDEN Regional data node (SFEI), and management of the Creek Status Probabilistic Monitoring design and Site Evaluation process.

In FY 15-16, Regional Project RMC Task 6a expanded the database to store POC Monitoring data collected per Provision C.8.e of MRP 1.0 and C.8.f of MRP 2.0. SCVURPPP's / SMCWPPP's in-kind contribution during FY15-16 significantly exceeded $14,000 due to an increase in technical database assistance needed by RMC programs and a substantial expansion of the database to include POC monitoring data.

This ongoing project was funded at the same level in FY 16-17, FY 17-18, and FY 18-19.

Scope: This project will provide a timely and efficient means of making updates to the RMC Monitoring Database and related Excel Templates and providing technical assistance to RMC database users, on an ongoing as-needed basis and as authorized by the BASMAA Project Manager. Work will be conducted by EOA and Dan Stern Database Systems. Example tasks are listed below and will be determined by the MPC:

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Project Concept: **On-call Services for Maintenance of RMC Monitoring Database**

- Update the database and Excel Import/Export Templates to be consistent with the SWAMP on-line data checker, as needed.
- Respond to questions from RMC database users about the new POC monitoring element added through RMC Task 6a.
- Provide ongoing technical programming assistance for RMC database users, as needed. This task includes technical work by Dan Stern Database Systems and oversight by EOA.
- Conduct ongoing testing of the RMC database and identify future improvements.
- This scope does not include the ongoing Creek Status Monitoring services that performed by EOA and are funded by SCVURPPP and SMCWPPP for Task RMC 3g.

Products: Ongoing as-needed services, within provided budget.

Schedule: July 2019 – June 2020 (ongoing)

Cost (estimate): $10,000

Project partners, if any: none

Implementer(s): Committee(s): MPC Consultants: EOA ($5,000) and Dan Stern Database Systems ($5,000)

[Check/list as appropriate] Member_____ Other_____

Selection Process(es): [[1] If proposed implementer would be a consultant(s) to BASMAA, check method(s) for identifying best candidate(s) to recommend to the Board of Directors. See Policy and Procedure: *Consultant Selection and Contracting* for more information]

____ Executive Director Discretion __X__Sole Source ____ Request for Qualifications

____ Request for Proposal ____ Interview

The MPC recommends continuing to contract with EOA and Dan Stern Database Systems to perform this work. The EOA/Dan Stern Database Systems team provides the unique experience of already having performed this project since FY 2016/17 and of having created, updated, and managed the RMC Monitoring Database.

Proposer: MPC _____ **Date:** 5/2/19

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B A S M A A

Project Concept for BOD Review

2019 Board of Directors Priorities addressed: Compliance with MRP Provisions C.8 (Water Quality Monitoring) and C.20 (Expiration Date - Report of Waste Discharge)

Title: On-call Technical Support for Regional Monitoring Coalition (RMC) Programs

Purpose: The purpose of this project is to provide technical support to assist RMC partners in developing a new monitoring design(s) that will enhance or replace the monitoring programs currently being implemented. Technical tasks will likely include statistical analyses to understand the level-of-effort required to answer revised Management Questions identified by MPC members for the next permit term or Regional Water Board staff.

Carefully planned recommendations for new or modified monitoring designs will be necessary during the Report of Waste Discharge (ROWD) process in 2020 in order to negotiate a new MRP with efficient, effective, and useful water quality monitoring approaches.

It is anticipated that this Project would begin in FY 2019/20 and would be finalized by June 2020 (i.e., FY 2019/20) for submittal with the ROWD.

Background: BASMAA Regional Monitoring Coalition partners work together to address Provision C.8 monitoring requirements of the MRP. For example, to address the requirements of MRP 1.0 and MRP 2.0, the RMC developed and implemented the Creek Status and Long-Term Trends Monitoring Plan (Plan) (EOA and ARC 2012). This Plan, for which implementation began in Water Year (WY) 2012, includes a probabilistic monitoring design developed to address management questions on a regional scale and compare creek monitoring results across stormwater programs. RMC partners coordinate Pollutants of Concern (POC) monitoring through participation in the Monitoring and Pollutants of Concern (MPC) Committee and the Regional Monitoring Program (RMP) Small Tributary Loading Strategy (STLS).

It is the goal of the MPC to develop, implement, and advocate for monitoring programs that are designed to answer pertinent management questions and that make efficient use of resources. As management questions about ambient conditions are being answered though MRP 1.0 and MRP 2.0 monitoring (particularly those related to overall biological condition), the MPC is beginning to consider new or revised management questions that could be addressed through MRP 3.0 monitoring. However, as with MRP 1.0 and MRP 2.0 monitoring programs, technical and statistical analyses are required to understand the level-of-effort needed to answer new/revised management questions within acceptable levels of confidence.

For example, as a direct measure of aquatic life Beneficial Uses, bioassessment monitoring could be a useful tool to assess trends in aquatic life condition, ambient conditions in specific watersheds, and numerous types of targeted special studies. If the MPC wants to pursue development of a bioassessment monitoring design that addresses trends, a power analysis would provide information on the number of samples required to observe trends within a specific

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timeframe.

Overall, a carefully planned new monitoring design, supported by appropriate technical or statistical analyses will be necessary during the ROWD process in 2020 in order to negotiate MRP 3.0.

Scope: This project will address technical needs identified by the MPC related to redesign of regional monitoring designs. The MPC is currently in the process of identifying new Management Questions that may be answered through MRP 3.0 monitoring. These decisions will become more clear through ongoing discussions with RWQCB staff regarding their MRP 3.0 monitoring expectations.

Products: The final product is anticipated to be a report describing the methods and analyses that were implemented to address the new management questions identified by the MPC and the Regional Water Board.

Schedule: This project will occur during FY 2019/20.

Cost (estimate): $30,000

Project partners, if any: none

Implementer(s): Committee(s): MPC _____ Consultants: _____

[Check/list as appropriate] Member_____ Other_____

Selection Process(es): [[1] If proposed implementer would be a consultant(s) to BASMAA, check method(s) for identifying best candidate(s) to recommend to the Board of Directors. See Policy and Procedure: *Consultant Selection and Contracting* for more information]

____ Executive Director Discretion ___Sole Source ____ Request for Qualifications

____ Request for Proposal ____ Interview

Proposer: MPC _____ **Date:** **1/7/2019**

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B A S M A A

Project Concept

2019 Board of Directors Priorities addressed: MRP Provision C.8.e (Stressor/Source Identification (SSID) Projects)

Title: Regional SSID Project Work Plan and Implementation

Purpose: Assist BASMAA Regional Monitoring Coalition (RMC) participants by developing a work plan for a regional Stressor/Source Identification (SSID) Project (C.8.e) in FY 2018/19 and implementing the work plan in FY 2019/20, in compliance with MRP Provision C.8.e.

Background: Under MRP Provision C.8.e, the Permittees must take follow-up actions when certain monitoring results trigger a candidate Stressor Source Identification Project as indicated within Provisions C.8.d, C.8.g, and C.8.f. A list of monitoring results exceeding thresholds is maintained by the RMC participants, from which the SSID projects can be selected, based on criteria in MRP Provision C.8.e.ii. Provision C.8.e.ii.(1) requires Permittees who conduct SSID projects through a regional collaborative (such as the BASMAA RMC) to collectively initiate a minimum of eight new SSID projects (minimum of one for toxicity) during the Permit term. Most of those projects are conducted by individual Programs addressing local needs. RMC programs have agreed that the distribution of the eight required SSID projects will be as follows:

- 2 each: Santa Clara and Alameda counties
- 1 each: San Mateo and Contra Costa counties
- 1 jointly: Fairfield/Suisun and Vallejo
- 1 regionally: All MRP counties

The regional SSID project work plan was submitted as required to the San Francisco Bay Regional Water Board (Regional Water Board) by March 30, 2019 and needs to be completed by the end of the MRP term (i.e., December 2020). Development of the work plan occurred during the first half of FY 2018/19. Implementation of the work plan is planned for FY 2019/20. This timeline is consistent with work plan submittal deadlines required by MRP Provision C.8.e. and with data needs for Reasonable Assurance Analyses (RAA), also required by the MRP.

Past studies in the region have suggested that spills of PCBs from electrical utility equipment could be a significant source of this pollutant into municipal separate storm sewer systems (MS4s). Therefore, the BASMAA Monitoring and Pollutants of Concern (MPC) Committee identified a need to develop and implement a regional SSID work plan to further understand the magnitude and extent of this potential PCBs source, and identify controls (if necessary) that could be put into place to reduce the water quality impacts of this source. The need for this SSID project is further based on several factors, including:

- State and federal regulatory levels for reporting and clean-up of PCB spills are higher than the PCB levels needed to comply with the PCBs TMDL requirements, which are implemented through MPR Provision C.12. The differences create missed opportunities for tracking and accounting for PCBs spills and clean-ups via the MRP.

- A sound and transparent clean-up protocol for PCBs spills from electrical utilities and associated equipment has not been clearly identified.
- Permittees have no jurisdiction over many large electrical utilities and therefore no control over the clean-up of PCB spills.

The MPC Committee is hopeful that management actions developed as a result of this SSID project will result in significant PCBs load reductions. SSID projects are intended to be oriented toward taking action(s) to alleviate stressors and reduce sources of pollutants. This project addresses the objectives set forth in the MRP and provides valuable information for potentially large-scale, future stormwater management actions. Additionally, the Regional Water Board staff support this regional SSID project topic (i.e., PCBs as a categorical source from electrical utilities). Furthermore, Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP) staff prepared a document that provides a summary of the "current state of knowledge about PCBs used by electrical utility companies, the potential mass of PCBs released into the environment from this source, and the regulatory programs implemented for the purposes of managing PCBs and reporting and cleaning up spills"[1] – all of which is valuable background information for this project.

Scope: The project consists of the following tasks over two fiscal years.

FY 2018/19

Developed a work plan for a regional SSID project that satisfied MRP provision C.8.e.iii.(1) and included:

1. Develop preliminary conceptual estimates of current PCBs loadings from electrical utility equipment.
2. Develop one draft and one final letter (to be issued on BASMAA letterhead) to the Regional Water Board requesting that they compel electrical utilities in the Bay Area to provide specific information about PCBs spills, equipment replacement programs, and clean-up protocols.
3. Conduct a brief evaluation of information received from electrical utilities via the Regional Water Board request for information to help scope the work plan.
4. Prepare one draft and one final work plan that identifies the SSID approach and analyses that will be conducted via the regional project.
5. Prepare a summary of the regional SSID project for inclusion in the Regional SSID Report that is required by Provision C.8.e.ii.(1) and submitted with each Permittee's Water Year 2019 Urban Creeks Monitoring Report.
6. Coordinate with Project Officer and MPC to determine work plan details.

Products: Letter to Regional Water Board. SSID Study Work Plan. SSID project summary.

Schedule: July 2018 – June 2019

Cost (estimate): $20,000

[1] *Potential Contributions of PCBs to Stormwater from Electrical Utilities in the San Francisco Bay Area: Overview and Information Needs*; Santa Clara Valley Urban Runoff Pollution Prevention Program; September 2018

FY 2019/20:

Implement the SSID project work plan developed in FY 2018/19. The work plan includes the following elements:

1. Review, tabulate, and analyze information provided by electrical utility companies as a result of the SF bay Water Board's request for information form electrical utilities.
2. Improve estimates of current PCBs loadings from electrical utility equipment based on information submitted.
3. Develop/clarify PCBs spill and clean-up reporting requirement language that the SF Bay Water Board could impose on electrical utilities.
4. Develop improved PCBs clean-up protocol(s) that would reduce the discharge of PCBs to the MS4.
5. Develop methodologies to account for PCB load reductions from this source via new reporting and clean-up protocols.
6. Prepare a SSID Project Report describing the work conducted, new management actions to be implemented, and next steps.
7. If warranted, submit categorical source referral to Regional Water Board. Work with BASMAA partners to determine if this is the correct approach.
8. Prepare a summary of the regional SSID project for inclusion in the Regional SSID Report that is required by Provision C.8.e.ii.(1) and that would be submitted with each Permittee's Water Year 2020 Urban Creeks Monitoring Report.

Products: SSID Project Report. PCBs load reduction accounting method for electrical utilities. SSID Project summary.

Schedule: July 2018-June 2020

Cost (estimate): $75,000

Project partners, if any: None.

Implementer(s): Monitoring / Pollutants of Concern (MPC) Committee
[Check/list as appropriate] Member_____ Other_____

Selection Process(es): EOA, Inc. was selected to conduct the project.

____ Executive Director Discretion ____Sole Source ____Request for Qualifications

__X__ Request for Proposal ____ Interview

Proposer: MPC _____ **Date:** 5/2/19 _____

BASMAA Regional Project Profile

Project Name: IPM Partnership / *Our Water, Our World* Program XXI

Description: In partnership with the Bay Area Pollution Prevention Group, BASMAA has been conducting the current IPM (Integrated Pest Management) Partnership / *Our Water, Our World* Program annually since FY 99-00. The Regional IPM Partnership is a collaboration among regional and local water pollution prevention agencies in nine San Francisco Bay Area counties and locally owned nurseries and hardware stores. The Partnership encourages less-toxic methods of pest prevention and control by means of a point-of-sale program called the *Our Water, Our World* Program. The Program helps 76 Phase I permittees and 24 Phase II permittees meet their respective permit requirements.

The Municipal Regional Permit requires the following:

C.9.e. Public Outreach

i. Task Description – Permittees shall undertake outreach programs to (a) encourage communities within the Permittee's jurisdiction to reduce their reliance on pesticides that threaten water quality; (b) encourage public and private landscape irrigation management that minimizes pesticide runoff; and (c) promote appropriate disposal of unused pesticides.

ii. Implementation – The Permittees shall conduct each of the following:

(1) **Point of Purchase Outreach**: The Permittees shall:

- Conduct outreach to consumers at the point of purchase;
- Provide targeted information on proper pesticide use and disposal, potential adverse impacts on water quality, and less toxic methods of pest prevention and control; and
- Participate in and provide resources for the "Our Water, Our World" program or a functionally-equivalent pesticide use reduction outreach program.

iii. Reporting – In each Annual Report, Permittees shall describe their actions taken in the three outreach categories above. Outreach conducted at the county or regional level shall be described in Annual Reports prepared at that respective level; reiteration in individual Permittee reports is discouraged. Reports shall include a brief description of outreach conducted in each of the three categories, including level of effort, messages and target audience. (The effectiveness of outreach efforts shall be evaluated only once in the Permit term, as required in Provision C.9.f.).

The Small MS4 Permit requires the following:

E.7.a.(ii)(b) and F.5.b.2.(ii)(b) Implement surveys [at least twice during the permit term] to gauge the level of awareness in target audiences and effectiveness of education tasks;

E.7.a.(ii)(c) and F.5.b.2.(ii)(c) Develop and convey a specific stormwater message that focuses on the following:

1) Local pollutants of concern
2) Target audience
3) Regional water quality issues

E.7.a.(ii)(d) and F.5.b.2.(ii)(d) Develop and disseminate appropriate educational materials to target audiences and translate into applicable languages when appropriate (e.g. the materials can utilize various media such as printed materials, billboard and mass transit advertisements, signage at select locations, stenciling at storm drain inlets, radio advertisements, television advertisements, and websites);

E.7.a.(ii)(f) and F.5.b.2.(ii)(e) Distribute the educational materials, using whichever methods and procedures determined appropriate during development of the public education strategy;

E.7.a.(ii)(g) and F.5.b.2.(ii)(f) Convey messages to explain the benefits of water-efficient and storm water-friendly landscaping, using existing information if available;

E.7.a.(ii)(i) and F.5.b.2.(ii)(i) Develop and convey messages specific to proper application of pesticides, herbicides, and fertilizers;

E.15.d Diazinon Total Maximum Daily Load TMDL: Conduct outreach to residents and pest control applicators on less toxic methods of pest control (requirement applies only to cities, towns and counties named in the TMDL and/or in Attachment G of the Phase II Permit);

FY: 19-20
One-time_____ Multi-FY___X____
MRP reference: C.9.e.ii.(1)
Compliance date: Annual
Committee task ID: Not applicable
Profile last updated on: 5/31/19
Overseer 1: PIP Committee
Project Officer: Geoff Brosseau
Overseer 2: Not applicable
Budget: $50,000 ($10,000 from BAPPG)
Status:
Funding source(s): BASMAA ($40,000); BAPPG ($10,000)
Contracting Agency(s): BASMAA
Contractor(s): Ann Joseph; Debi Tidd, Janet Cox, BIRC; Lauren Wohl; Printers

Deliverable(s):	**Due/completed**
Recruited / Trained IPM Advocates	Ongoing
Updated Fact Sheets / Materials[1]	January 2020
Less-toxic products lists / Store shelf label files	January 2020
Updated Website	Ongoing
List of participating stores	February 2020
Educational booth at trade shows	Ongoing
Employee trainings / Materials	Ongoing
Ask-the-Expert feature	Ongoing
Coordination – General, IPM Advocates, Chains	Ongoing
Final Report	July 2020

[1] BASMAA pays for printing of inventory and is reimbursed by agencies purchasing materials

B A S M A A

Project Concept

2018 Board of Directors Priorities addressed: Trash Load Reduction – Receiving Water Monitoring (C.10.b.v)

Title: Preliminary and Final Reports on Trash Receiving Water Monitoring Program Plan and Related Tasks

Purpose: Assist BASMAA in preparation and drafting of Preliminary and Final Reports on BASMAA's Trash Receiving Water Monitoring Program Plan and related tasks including revisions to the California Environmental Data Exchange Network (CEDEN).

Background: The reissued Municipal Regional Stormwater Permit (MRP) requires Permittees to develop and test a trash receiving water monitoring plan to address specific trash management questions. Subsequently, a Receiving Water Monitoring Program Plan (Plan) was developed at the regional level by BASMAA with a Project Management Team (PMT) overseeing its development. BASMAA Board of Directors submitted the Plan to the Executive Officer of the San Francisco Bay Regional Water Quality Control Board (Water Board) on June 30, 2017.

The MRP also requires that the Plan be implemented no later than October 2017 and that a progress report on the Plan be submitted to Water Board with the FY 2017/18 annual report. In addition, a preliminary report on the Plan must be submitted to Water Board by July 1, 2019 and a final report by July 1, 2020. While the progress report will be addressed at the countywide level with regional coordination, the BASMAA Trash Committee recommends that the preliminary and final reports be developed at the regional level and therefore is submitting this project concept.

There are three primary tasks associated with preparation and drafting of the preliminary and final reports and they are as follows:

<u>Fiscal Year 2018-19</u>

1. Update CEDEN Data Fields and Tables
    a. Develop data template (spreadsheet) that is CEDEN compatible
    b. Work with Regional Data Center (SFEI) to update CEDEN database to accept trash monitoring results/assessment data
    c. Address other CEDEN-related tasks as identified

2. Prepare Preliminary Report
    a. Compile monitoring data collected by the stormwater programs and/or their consultants to-date. These data include monitoring site characteristics; data generated from qualitative visual assessments conducted at probabilistic sites such

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as trash and vegetative conditions; and data generated from quantitative monitoring such as volume of trash collected.

b. Analyze and map data on a countywide and regional basis. Prepare tables and graphs to illustrate results of appropriate statistical analyses. Provide guidance and recommended actions on any data or Quality Control issues identified during compilation or analyses. Develop maps to show geographic relationships of trash conditions at the countywide and regional levels.
c. Evaluate quantitative and qualitative protocols and sample frame/monitoring design and propose recommendations to protocols and/or the design if necessary.
d. Prepare and present first draft to Project Management Team overseeing Receiving Water Monitoring Program Plan based on sub-tasks (a – c) noted above and incorporate recommended revisions accordingly.
e. Prepare final draft report to be submitted to the BASMAA Board of Directors and incorporate recommended revisions accordingly.
f. Address other report issues as applicable.

<u>Fiscal Year 2019-20</u>

3. Prepare Final Report

    a. Compile monitoring data collected by the stormwater programs and/or their consultants since the data were compiled during task 2. Data types included in task 2 will be compiled.
    b. Analyze and map all data compiled on a countywide and regional basis. Prepare tables and graphs to illustrate results of appropriate statistical analyses. Provide guidance and recommended actions on any data or Quality Control issues identified during compilation or analyses. Develop maps to show geographic relationships of trash conditions at the countywide and regional levels.
    c. Evaluate quantitative and qualitative protocols and sample frame/monitoring design and propose recommendations to protocols and/or the design if necessary.
    d. Prepare and present first draft to Project Management Team overseeing Receiving Water Monitoring Program Plan based on sub-tasks (a – c) noted above and incorporate recommended revisions accordingly.
    e. Prepare final draft report to be submitted to the BASMAA Board of Directors and incorporate recommended revisions accordingly.
    f. Address other report issues as applicable.

Products:

- Task 1: Data Template, updated CEDEN database
- Task 2: One Draft and one Final Draft Preliminary Report, and other deliverables TBD by PMT.
- Task 3: One Draft and one Final Draft Final Report, and other deliverables TBD by PMT.

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Product(s) to be reviewed and approved by Board of Directors:

- Final Draft Preliminary Report
- Final Draft Final Report

Schedule:

July 2018-July 2020 ongoing; specific deliverable dates subject to agreement of PMT

Cost (estimate): FY 2018-19: $60,000 (Task 1:$10,000; Task 2:$50,000)
FY 2019-20: $30,000 (Task 3)

Project partners, if any: None.

Implementer(s): Committee(s) BASMAA Trash Committee and Project Management Team overseeing the Trash Receiving Water Monitoring Program Plan.

Selection Process(es):

____ Executive Director Discretion ___Sole Source ____ Request for Qualifications

__X__ Request for Proposal ____ Interview

Proposer: BASMAA Trash Committee_____ **Date:** 5/23/18 Draft_____

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