Meeting Date: **6/24/2014**

Report Type: Consent

Report ID: 2014-00455

City of SACRAMENTO 09

City Council Report
915 I Street, 1st Floor
www.CityofSacramento.org

Title: Agreement: Lower American River Salmonid Critically Dry Year Monitoring

Location: Citywide

Recommendation: Pass a Motion authorizing the City Manager, or his designee, to execute a supplemental agreement to Agreement No. 2014-0186 with S.P. Cramer and Associates, Inc., in the amount of $85,000 for work associated with Lower American River (LAR) Critically Dry Year Monitoring, bringing the total agreement amount to $183,000.

Contact: Tom Gohring, Executive Director, (916) 808-1998, Citywide & Community Support; City-County Office of Metropolitan Water Planning (CCOMWP)

Presenter: None

Department: Community Support
Division: CCOMWP
Dept ID: 80004101
Attachments:
1-Description/Analysis
2-Background
3-Agreement

City Attorney Review

Approved as to Form
Joe Robinson
6/17/2014 12:46:13 PM

Approvals/Acknowledgements

Department Director or Designee: Kathy Howard - 6/10/2014 2:26:23 PM

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Description/Analysis

Issue: In March 2014 the City of Sacramento entered into Professional Services Agreement #2014-0186 with S.P. Cramer and Associates, Inc. for an amount not to exceed $98,000. This agreement provided for the monitoring and modeling of Chinook Salmon and Steelhead population responses to flow reduction in the lower American River to support management decisions in the face of a critically dry year. Staff is requesting City Council approval of a Supplemental Agreement for an amount not to exceed $85,000 expanding this work through June 2015 to include:

- Provide Predictive Modeling - develop relationship models between independent variables and key indicators of population effects

- Support Adaptive Management - develop adaptive management processes that will help managers make science-informed decisions on flow schedules as they relate to LAR Chinook salmon and steelhead.

- Identify knowledge gaps - key uncertainties in species-environment relationships will be identified. These uncertainties can be prioritized for future research efforts to increase the predictive power of models supporting decision trees.

- Manuscript Development - develop one manuscript to submit to scientific journals for publication

- Management - support the Sacramento Water Forum in convening ten strategizing meetings

Policy Considerations: City Council approval is required for contracts of $100,000 or more.

Economic Impacts: None.

Environmental Considerations: California Environmental Quality Act (CEQA) review is not required because approval of the proposed agreement pertains to administrative activities that will have no significant effect on the environment [CEQA Guidelines Section 15061(b)(3)], and that do not constitute a "project" for purposes of CEQA [CEQA Guidelines Section 15378(b)(2) and (b)(4)].

Commission/Committee Action: None.

Rationale for Recommendation: S.P. Cramer & Associates, Inc. has been providing Biological Monitoring Services for the CCOMWP on behalf of the Water Forum Successor Effort (WFSE) since 2008 and has developed a unique understanding and knowledge of conditions in the lower American River relevant to this work. The current drought conditions offer an opportunity to collect valuable information that can be used

to develop a decision-support framework and develop a contingency plan on water release strategies. With S. P. Cramer and Associates, Inc. previous experiences, existing contacts, and understanding of local and statewide water issues, the CCOMWP will realize time and budget savings in data collection, public outreach, and senior review through this contract.

Financial Considerations: Approval of the proposed supplemental agreement has no impact on the City's General Fund. The proposed supplemental agreement is for a total not-to-exceed $85,000 in addition to the original agreement amount of $98,000; for a total of $183,000. There are sufficient resources available in the CCOMWP's FY2014/15 budget.

Funding for the CCOMWP budget is provided by cost sharing agreements between the City of Sacramento, County of Sacramento, City of Roseville, City of Folsom, El Dorado County Water Agency, Placer County Water Agency, Sacramento Municipal Utility District, and the San Juan Water District (in Placer County).

Local Business Enterprise (LBE): S.P. Cramer and Associates' existing agreement did not include the City's LBE participation requirement, which applies to contracts of $100,000 or more. S.P. Cramer and Associates does not qualify as a LBE, but is uniquely qualified to provide these additional services, as noted above.

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Background Information:

- The City and County of Sacramento created the City-County Office of Metropolitan Water Planning (CCOMWP) in 1991 to pursue a joint water planning effort in the greater Sacramento region. Over the past 16 years the City and the County, and other stakeholder agencies, have devoted significant resources to the Water Forum process and the Water Forum Successor Effort (WFSE). This process and the successful outcome of these efforts are well documented. A large share of the success can be attributed to the dedication of the staff of the CCOMWP and the various regional stakeholders who had the desire to arrive at an amenable solution to the region's water supply and water resource issues.

- The continuation of this dedication is necessary to maintain the successes that CCOMWP has been so long in obtaining. This includes maintaining a level of stewardship over the Water Forum Agreement as a policy and technical resource. Activities related to the WFSE require constant follow- up to tie back to the intent in the Water Forum Agreement and to ensure that each is completed and acted upon by the stakeholders to a point of mutual agreement by consensus.

- Since its inception, the CCOMWP has contracted with consultants to take on a portion of the above technical responsibilities.

- In 2013/14, American River watershed precipitation is at a record low. This has stretched water resources to their limits with unprecedented restriction on flows available to municipal, agricultural, hydropower and stream resources below Nimbus Dam. Dry conditions reoccur as a natural part of California hydrologic regimes. This year's dry condition provides an opportunity to collect valuable information that can be used to develop a decision-support framework (decision tree). The CCOMWP proposes to use these data to develop a contingency plan on water release strategies for critically dry conditions that result in minimal volumes released at biologically-relevant times to provide optimal benefits to salmonids while conserving water supply.

- Fall-run Chinook salmon and winter steelhead reproduce naturally in the Lower American River (LAR). These iconic species provide important revenues to California and are protected under federal and state regulations. Therefore, predicting responses of both populations to flow restrictions under critically dry climatic conditions is fundamental to long-term management of these species and allocation of limited freshwater resources.

- To make such predictions, it is imperative to relate environmental conditions to survival rates of each species transitioning between each freshwater life stage. Specifically, each life stage transition within the LAR should be modeled to detect how flow change will affect a particular life stage, influencing the number of fish transitioning out of that life stage relative to the number coming in. This will provide managers the ability to make educated decisions related to salmonid production as

continued drought conditions impact the watershed. To do this, the proposed services will develop a model to predict flow change effects, in particular, flow reduction, on key life stages of LAR Chinook salmon and steelhead. This endeavor will provide a foundation for adaptive management within future climate change scenarios and identify gaps in current knowledge of LAR Chinook salmon and steelhead ecology that will need to be addressed.

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City of Sacramento

Tax ID # if applicable: 93-1055956

Requires Council Approval: ☐ No ☒ YES **Meeting:** 06/24/2014

☐ **Real Estate** ☐ **Other Party Signature Needed** ☐ **Recording Requested**

General Information

Type: Professional Services **Attachment: Supplement** **Number: 1**

PO Type: Non-Comp-Prof Service **Original Document Number: 2014-0186**

$ Not to Exceed: $ 85,000 **Original Contract Amount**: $ 98,000

Other Party: S.P. Cramer Fish Sciences **Deed:** ☐None ☐Included ☐Separate

Project Name: LAR Salmonid Critycally Dry Year Monitoring **No. Certified Copies of Document**:

Project Number:

Bid Transaction #: E/SBE-DBE-M/WBE:

Department Information

Department: Citywide and Community Support Division: CCOMWP/Water Forum

Project Mgr: Tom Gohring Supervisor: Tom Gohring

Contract Services: Ana Ayala Date:05/30/14 Division Mgr: Tom Gohring

Phone Number: 808-1993 Org Number: 80004101 Dept. I.D.

Comment: Increase in agreement amount and the date of completion has been extended through June 30, 2015

Review and Signature Routing

Department	Signature or Initial	Date
Project Mgr:		
Accounting:	KH	6/10/14
Contract Services:	AAyala	6/10/14
Supervisor:		
Division Manager:	TR	6/10/14

City Attorney	Signature or Initial	Date
City Attorney:		6-10-14

☐ **Send Interoffice Mail** ☒ **Notify for Pick Up**

Authorization	Signature or Initial	Date
Gohring, Tom Department Director:		

City Mgr: yes ☒ No ☐

Tom Gohring, Executive Director
City-County Office of Metropolitan Water Planning

Contract Cover/Routing Form: Must Accompany ALL Contracts; however, is not part of the Contract

For City Clerk Processing

Finalized:
Initial:
Date:

Imaged:
Initial:
Date:

Received:
(City Clerk Stamp Here)

SUPPLEMENTAL AGREEMENT

Project Title and Job Number: LAR Salmonid Critically Dry Year Monitoring **Date: 6/5/14**
Purchase Order #: 23441 **Supplemental Agreement No.:1**

The City of Sacramento ("City") and S.P. Cramer & Associates, Inc. ("Contractor"), as parties to that certain Professional Services Agreement designated as Agreement Number 2014-0186 including any and all prior supplemental agreements modifying the agreement (the agreement and supplemental agreements are hereafter collectively referred to as the "Agreement"), hereby supplement and modify the Agreement as follows:

1. The scope of Services specified in Exhibit A of the Agreement is amended as follows:
   Contractor shall perform the additional services set forth in Attachment 2 to Exhibit A, attached hereto and incorporated herein, during the time period extending to approximately June 30, 2015.

2. Payment for the additional services described in section 1, above, shall be in accordance with Attachment 2 to Exhibit B, attached hereto and incorporated herein.

3. In consideration of the additional and/or revised services described in section 1, above, the maximum not-to-exceed amount that is specified in Exhibit B of the Agreement for payment of Contractor's fees and expenses, is increased by $85,000, and the Agreement's maximum not-to-exceed amount is amended as follows:

Agreement's original not-to-exceed amount:	$98,000
Net change by previous supplemental agreements:	$0
Not-to-exceed amount prior to this supplemental agreement:	$98,000
Increase by this supplemental agreement:	$85,000
New not-to exceed amount including all supplemental agreements:	$183,000

4. Contractor agrees that the amount of increase or decrease in the not-to-exceed amount specified in section 3, above, shall constitute full compensation for the additional and/or revised services specified in section 1, above, and shall fully compensate Contractor for any and all direct and indirect costs that may be incurred by Contractor in connection with such additional and/or revised services, including costs associated with any changes and/or delays in work schedules or in the performance of other services or work by Contractor.

5. Contractor warrants and represents that the person or persons executing this supplemental agreement on behalf of Contractor has or have been duly authorized by Contractor to sign this supplemental agreement and bind Contractor to the terms hereof.

6. Except as specifically revised herein, all terms and conditions of the Agreement shall remain in full force and effect, and Contractor shall perform all of the services, duties, obligations, and conditions required under the Agreement, as supplemented and modified by this supplemental agreement.

Approval Recommended By:

Project Manager

Approved As To Form By:

City Attorney

Approved By:

Contractor

Attested To By:

Approved By:

Tom Gohring, Executive Director
City-County Office of Metropolitan Water Planning

City of Sacramento

City Clerk

(Rev. 6-5-14)

LAR SALMONID CRITICALLY DRY YEAR MONITORING 2014-2015

Task 2. Provide Predictive Modeling

Using historic and recently acquired data, we will work with stakeholders and watershed experts to develop relationship models between independent variables and key indicators of population effects. These models will support mitigation and adaptive management including potential flow adjustment recommendations by the fisheries group. They will also provide important information to support future management actions.

Time Period

March through June 2014

Deliverables

Model what flows will limit spawning to low flow channel

- Support CBEC in modeling flows that will best exclude steelhead from spawning in side channels while maintain water quality in present Chinook salmon redds.

Model how may redds are impacted

- Using a combination of steelhead redd surveys and field surveys of channel dewatering, support the Water Forum in providing useful information to local resource users to reduce impacts to vulnerable redds, including boat operation, wading, and fishing. This may include maps of where to avoid activities and predictions of when emergence will occur.

Model fry emergence timing

- Provide results of egg to emergence models for temperature days estimated from the LAR during 2014. These data will suggest when most LAR salmon and steelhead fry should have emerged for making management decisions during the 2014 period.

Model survival in redds to emergence

- Estimate percent of impacted redds that did not meet water quality requirements before estimated emergence

Model flow timing and magnitude for short-term re-wet of redds

- Support CBEC in developing relationship between flow and re-inundation
- Support CBEC in estimating how much water is needed to re-wet redds for short pulse as a tool to instigate emergence from dewatered redds.

Model flow needed to improve water quality until emergence

- Support CBEC in developing relationship between flow and water quality
- Support CBEC on modeling what flow is needed to improve water quality for redds reaching potential health thresholds for temperature and potentially dissolved oxygen.

Model triggers to instigate emigration

- Using available data from Central Valley rivers and other published data, provide hypothetical triggers that might initiate emigration for Chinook salmon and steelhead

juveniles from the LAR to reduce exposure of the entire year-class to detrimental water quality.

Model day to % population emigration

- Request rotary screw trap (RST) and seining data from USFWS and CDFW. Use this data, in combination with video/snorkel surveys to estimate when each life stage might complete emigration from the LAR.

Estimate when lethal and sub-lethal temperatures are met

- Using the scientific literature and information from local experts, provide thresholds for key life stages of each species; this will include tables with temperature thresholds and associated references to support these data.
- Support CBEC and the fisheries group on estimating if/when each threshold is met over the 2014 season.

Track emigration trigger success

- Working with stakeholders, support RST operation to track emigration by juvenile salmonids associated with flow management.
- Track juveniles leaving desiccated redds and disconnected side channels.
- Track success of juvenile salmonids, especially YOY steelhead migrating past the RST and out of the LAR.
- Deploy receiver array.
- Tag and release up to 25 YOY salmonids at the RST.
- Download receiver array information.
- Analyze and report information to the Sacramento Water Forum.

Task 3. Support Adaptive Management

From life stage-based data collection and modeling, work with stakeholders to develop adaptive management processes that will help managers make science-informed decisions on flow schedules as they relate to LAR Chinook salmon and steelhead.

Time Period

March through June 30, 2014

Deliverables

- Support the Sacramento Water Forum in hosting three strategy meetings with key LAR stakeholders.
- Provide Sacramento Water Forum with three decision trees that provide stakeholders with adaptive management strategies to initiate when specific flow, temperature, or future climate situations trigger a potential negative effect on each target life stage (e.g., incubation, rearing, emigration) for Chinook salmon and steelhead.

Task 4 – Identify knowledge gaps

During the data gathering and modeling steps, key uncertainties in species-environment relationships will be identified. These uncertainties can be prioritized for future research efforts to increase the predictive power of models supporting decision trees.

Time Period
March through June 2014

Deliverables

- Provide Sacramento Water Forum with a list of identified deficiencies in environmental monitoring that would support future Chinook salmon and steelhead management during critically dry water years.
- Make suggestions on potential methods and costs to implement monitoring

Task 5 – Manuscript Development
Emphasizing the adaptive management process implemented during the 2013-14 salmonid season, we will develop one manuscripts to submit to scientific journals for publication. The purpose of this manuscript is to (1) provide sound scientific assessment of environmental circumstances that generate stressful conditions for Chinook salmon and steelhead in the LAR, (2) document the response of both species to implemented management actions. The manuscript will analyze physical habitat conditions associated with Chinook salmon spawning, incubation, rearing and emigration during a managed flow reduction and assess the benefits of collaboratively prescribed pulse flows to reduce physical and biological impacts, including the prescribed pulse flow effects on water quality and juvenile salmonid behavior during the rearing and emigration period.

Time Period
March 2014 through June 2015

Task 6 Management – Supporting Water Forum
Our team will support the Sacramento Water Forum in convening 10 strategizing meetings. Their purpose is to develop decision tree management plans for key life stages of Chinook salmon and steelhead believed to be potentially impacted by flow management decisions during a severely critical water shortage. Our primary task will be to provide information to population decision components within the management framework of each meeting, including data analysis, scientific literature to support concepts and theories, and models that will help predict environmental responses and inform decisions to reduce impacts to steelhead and Chinook salmon of the LAR during this critically dry period. We will also support the Water Forum in continued dialogue with stakeholders including the evaluation of water management effects on LAR Chinook salmon and steelhead and supporting adaptive management throughout the March through June period.

Cramer Fish Sciences
3300 Industrial 100
West Sacramento,CA 95691
916.231.1681
www.fishsciences.net

LAR SALMONID CRITICALLY DRY YEAR MONITORING BUDGET 2014-2015

Objectives and Tasks		Projected Hours							Labor	Expenses		
		$188.00 Sr. Scientist IV	$129.00 Sr. Scientist I	$120.00 Biologist IV	$111.00 Biologist III	$73.00 Biologist I	$60.00 Bio-Technician II	$60.00 Bio-Technician II	Subtotal	Travel	Direct	Totals
Task 2 Modeling environmental and life stage responses												
Sub-task 2.1 Spawning									0			0
Activity 2.1.1. model what flows will limit steelhead spawning to low flow channel	support CBEC				9				999			999
Activity 2.1.2 model how many steelhead redds are impacted	support CBEC			4	4				924			924
Sub-task 2.2. Incubation/emergence									0			0
Activity 2.2.1 model steelhead fry emergence timing				18	4				2,604			2,604
Activity 2.2.2. model survival in redds to emergence	support CBEC			8	2				1,182			1,182
Activity 2.2.3 model flow timing and magnitude for short-term re-wet of redds	support CBEC				2				222			222
Activity 2.2.4 model flow needed to improve water quality until emergence	support CBEC				2				222			222
Activity 2.2.5 develop relationship between flow and water quality	support CBEC				2				222			222
Activity 2.2.6 develop relationship between flow and reinudantion	support CBEC				2				222			222
Sub-task 2.3 Rearing/emigration									0			0
Activity 2.3.1 model day to % population emigration				8					960			960
Activity 2.3.2 estimate when lethal and sublethal temperatures are met				8					960			960
Activity 2.3.3 track emigration trigger success	USFWS RST								0			0
Activity 2.3.4 Deploy receiver array	NOAA: USFWS: CFS	1		6			16		1,868	220	500	2,588
Activity 2.3.5 Tagging and release of smolts	NOAA: USFWS: CFS	2		12	8	12	16		4,540	(~$5000 provided by USFWS)		4,540
Activity 2.3.6 Download receiver array						8	16		1,544			1,544
Activity 2.3.7 Data analysis and reporting		4		35	24	24	16		10,328			10,328
Objective 2 Subtotal		7	0	99	59	44	64	0	26,797	220	500	27,517
Task 3 Stakeholder Vetting of Decision Tree Process												
Sub-task 3.1. Develop decision trees to inform management during spawning		8							1,504	72		1,576
Sub-task 3.2 Develop decision trees to inform management during incubation and emergence		8							1,504	72		1,576
Sub-task 3.3 Develop decision tree to inform management during rearing and emigration		8							1,504	72		1,576
									0			0
Objective 3 Subtotal		24	0	0	0	0	0	0	4,512	216	0	4,728
Task 4 Document data gaps and make suggestions for future monitoring		8							1,504			1,504
									0			0
									0			0
									0			0
Objective 4 Subtotal		8	0	0	0	0	0	0	1,504	0	0	1,504
Task 5 Manuscript Development and submittal for publication									0			0
Sub-task 5.2. Flow and Chinook and steelhead rearing and emigration		35	30	60	90		60		31,240	1,100		32,340
									0			0
Objective 5 Subtotal		35	30	60	90	0	60	0	31,240	1,100	0	32,340
Task 6 Project management and Report Writing												
Project Management		12							2,256			2,256
Reports		12		6	24				5,640			5,640
Meetings - 4 x 4hr meetings		16							3,008			3,008
Post Apr 24 - 6 x 4hr meetings		24							4,512	462		4,974
Agency coordination		14							2,632	286		2,918
									0			0
									0			0
Project Management Subtotal		78	0	6	24	0	0	0	18,048	748	0	18,796
Project Totals		**120**	**30**	**165**	**173**	**44**	**124**	**0**	**80,597**	**2,284**	**500**	**84,885**

Cramer Fish Sciences

Billing Rates

	Position	Description	2014 Price
1	Sr. Scientist IV		$ 188.00
2	Principal	Cramer	$ 180.00
3	Sr. Scientist III		$ 176.00
4	Sr. Scientist II		$ 142.00
5	Sr. Scientist I		$ 129.00
6	Biologist IV		$ 120.00
7	Biologist III		$ 111.00
8	Analyst II		$ 111.00
9	Hydrologist III		$ 111.00
10	Consulting Scientist		$ 115.00
11	System Analyst		$ 102.00
12	Budget Analyst		$ 99.00
13	Biologist II		$ 98.00
14	Analyst I		$ 98.00
15	GIS Analyst		$ 98.00
16	Biologist I		$ 73.00
17	Bio-Technician II		$ 60.00
18	Project Ass't II		$ 61.00
19	Administrative Ass't		$ 54.00
20	Field Technician II		$ 51.00
21	Technical Rearcher		$ 52.00
22	Project Ass't I		$ 51.00
23	Bio-Technician I		$ 48.00
24	Office Ass't		$ 39.00
25	Field-Technician I		$ 40.00
26	Lab Technician 1		$ 40.00
27	Laboratory Laborer		$ 34.00
28	Bio Intern		$ 25.00

OP ID: SR

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/02/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Davidson Insurance
501 SE Columbia Shores Bl #525
Vancouver, WA 98661
Bruce Davidson
Phone: 360-514-9550
Fax: 360-514-9551

CONTACT NAME:
PHONE (A/C, No, Ext):
FAX (A/C, No):
E-MAIL ADDRESS:
PRODUCER CUSTOMER ID #: CRAME-1

INSURED
S.P. Cramer & Associates Inc.
Cramer Fish Sciences
600 NW Fariss Rd
Gresham, OR 97030

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Travelers Insurance Co	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Business Owners GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY PRO-JECT LOC	X	X	6809B449289	06/18/2013	06/18/2014	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS	X	X	BA9B491596	06/18/2013	06/18/2014	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DEDUCTIBLE RETENTION $	X	X	CUP009B491050	06/18/2013	06/18/2014	EACH OCCURRENCE AGGREGATE	$ 1,000,000 $ 1,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	X	UB2D781569	06/05/2013	06/18/2014	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
A	PROFESSIONAL LIAB Retro Dte-10/25/02			15984224	08/23/2013	08/23/2014	OCCURRENC AGGREGATE	2,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
The City of Sacramento, its officials, employees shall be covered as additional insureds as respect General Liability and Auto arising out of activities performed by or on behalf of Contractor, products and completed operations of Contractor, and premises owned, leased or used by Contractor.

CERTIFICATE HOLDER

CTYSACT

City of Sacramento
Water Forum
2831 G Street, Ste 100
Sacramento, CA 95816

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization: The City of Sacramento, its officials, employees
Water Forum
2831 G Street, Suite 100
Sacramento, CA 95816

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

A. **Section II – Who Is An Insured** is amended to Include as an insured the person or organization Shown in the schedule, but only with respect to Liability arising out of your ongoing operations Performed for that insured.

B. With respect to the insurance afforded to these Additional insured's, the following exclusion is added:

2. **Exclusions**

This insurance does not apply to "bodily Injury" or "property damage" occurring after:

(1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be Performed by or on behalf of the Additional insured(s) at the site of the covered operations has been completed; or

(2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in Performing operations for a principal as a part of the same project.