



# AGENDA ITEM

## Public Utilities Commission

*City and County of San Francisco*



DEPARTMENT Infrastructure Division AGENDA NO. 13  
 MEETING DATE February 24, 2015

**Construction Modification:** Regular Calendar  
**Project Manager:** Susan Hou

**Approve Agreement No. CS-911R, Amendment No. 2-A, Construction Management Services Calaveras Dam Replacement Project**

<b>Summary of Proposed Commission Action:</b>	<b>Approve</b> Amendment No. 2-A to Water Enterprise, Water System Improvement Program (WSIP)-funded Agreement No. CS-911R, Construction Management Service – Calaveras Dam Replacement Project, with Black and Veatch Corporation (B&V), to provide ongoing construction management (CM) support for a brief interim period (less than 1 month) to avoid any disruption to CM services while Amendment 2 is under review by the Board of Supervisors; and <b>authorize the General Manager of the San Francisco Public Utilities Commission (SFPUC) to execute</b> this amendment, increasing the agreement by \$500,000, for a total not-to-exceed agreement amount of \$38,500,000.
<b>Background &amp; Description of Scope of Work:</b>	The original agreement is part of the approved Construction Management (CM) Plan for the WSIP. It includes services to manage the construction activities of CUW37401, Calaveras Dam Replacement Project (CDRP). The scope of work in the original agreement includes the following: <ul style="list-style-type: none"> <li>• Pre-Construction Phase Services           <ul style="list-style-type: none"> <li>○ Review the Design Engineer’s construction schedule and provide constructability review of construction bid documents</li> <li>○ Provide Bid and Award Phase assistance</li> <li>○ Provide assistance with permits and rights-of-way</li> <li>○ Provide construction contract requirements for CM field offices and other project related costs/services</li> <li>○ Provide resource loaded Task Plan</li> </ul> </li> </ul>

**APPROVAL:** \_\_\_\_\_

COMMISSION SECRETARY Donna Hood

	<ul style="list-style-type: none"><li>○ Participate in the Pre-Construction Conference</li><li>○ Provide project-specific CM Plan in accordance with WSIP CM Plan</li><li>○ Provide other support activities necessary for the award of the construction contract and initiation of the construction work</li><li>● Construction Phase Services<ul style="list-style-type: none"><li>○ Provide CM services to manage and administer the construction of the Calaveras Dam Replacement Project in accordance with the WSIP CM Plan</li><li>○ Provide Quality Assurance (QA) services including testing and field investigations for construction contract</li><li>○ Provide Environmental Compliance Monitoring, Inspection, and Support services</li><li>○ Provide Naturally Occurring Asbestos (NOA) Compliance Monitoring, Inspection, and Support services</li><li>○ Assist with the implementation of the Project Labor Agreement (PLA)</li><li>○ Assist with SFPUC's public outreach effort for the Calaveras Dam Replacement Project during construction</li><li>○ Provide Testing and Startup Management services</li><li>○ Assist with activities associated with the Acceptance of the Work, Close-out, and Turnover</li><li>○ Provide other support activities necessary for the management of the construction work</li></ul></li></ul> <p>Construction on the CDRP is more than 60% complete as of the end of November 2014. The CDRP has experienced significant increases in the contract cost and duration due to two ancient landslides that form the basis of the differing site conditions occurring in the left abutment and spillway excavation (also known as Observation Hill). The differing site conditions have required extensive additional investigations, evaluation, and redesign of the left abutment slope, spillway and dam foundation, and outlet pipe bench alignment, and have required an extension to the construction duration from the original schedule of four years to more than seven years. The final construction completion date has changed from its original schedule of July 30, 2015 to Nov 26, 2018.</p> <p>Due to the extensive differing site conditions encountered during construction, funding that was originally planned to cover the</p>
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	<p>remaining construction management support through February 2016 as approved under the original contract will be exhausted by April 2015.</p> <p>The proposed work and contract modifications under Amendment No. 2-A will allow Black and Veatch to continue to provide construction management support during a brief interim period (less than one month) while the larger Amendment 2 is under review by the Board of Supervisors.</p> <p><b>Changes to the agreement under Amendments:</b></p> <p><b><u>Amendment No. 1:</u></b> was awarded to increase agreement duration by six months, for a total agreement duration of six years, with no change to the agreement value.</p> <p><b><u>Amendment No. 2-A:</u></b> is being requested to provide ongoing construction management (CM) support for a brief interim period (less than 1 month) to avoid any disruption to CM services while the larger Amendment 2 is under review by the Board of Supervisors.</p>
<b>Result of Inaction:</b>	<p>Consultant services for CM support during construction would need to be suspended, resulting in the delay of project completion and significant cost of disruption to the project.</p>
<b>Budget &amp; Costs:</b>	<p><b>Original Not-To-Exceed Amount:</b> \$38,000,000</p> <p><b>Amendment No. 1 Not-To-Exceed Amount:</b> \$0</p> <p><b>Amendment No. 2-A Not-To-Exceed Amount:</b> \$500,000</p> <p><b>Total Not-To-Exceed Amount:</b> \$38,500,000</p> <p><b>Funding:</b> Sufficient funds to cover Amendment No. 2-A to this agreement are available from Project CUW37401, Calaveras Dam Replacement.</p>
<b>Schedule:</b>	<p><b>Original Duration:</b> 5 years, 6 months</p> <p><b>Amendment No. 1 Duration:</b> 6 months</p> <p><b>Amendment No. 2-A Duration:</b> No time extension requested under Amendment 2-A.</p>

<b>Compliance With Chapter 14B: Local Business Enterprise And Non-Discrimination In Contracting Ordinance:</b>	<p>A Contract Monitoring Division (CMD) subconsulting goal of 14% Local Business Enterprise (LBE) participation of the total labor value of the services to be provided, excluding specialized natural occurring asbestos compliance monitoring and advisory services, has been established for the original agreement.</p> <p>The actual LBE participation as of October 2014 is approximately 28.62%. The CMD approval memorandum for the larger Amendment 2 is attached, and covers the work requested under Amendment 2-A.</p>
<b>Recommendation:</b>	SFPUC staff recommends that the Commission adopt the attached resolution.
<b>Attachments:</b>	<ol style="list-style-type: none"><li>1. SFPUC Resolution</li><li>2. CMD Memorandum</li></ol>

# PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. \_\_\_\_\_

WHEREAS, On June 8, 2010, per Resolution No. 10-0096, this Commission awarded Agreement No. CS-911R, Construction Management (CM) Services – Calaveras Dam Replacement Project, and authorized the General Manager of the San Francisco Public Utilities Commission (SFPUC) to negotiate and execute a professional services agreement in the amount of \$38,000,000, and with a duration of five years and six months, concluding on February 2, 2016, with Black and Veatch Corporation, subject to Board of Supervisors’ approval pursuant to Charter section 9.118; and

WHEREAS, On July 12, 2011, per Resolution No. 11-0114, this Commission awarded Amendment No. 1 to Agreement No. CS-911R, to extend the agreement duration by six months for a total agreement duration of six years, and with no change to the agreement value, to provide continued construction management services through the end of the close-out period to the Calaveras Dam Replacement Project in accordance with the project schedule at that time; and

WHEREAS, Amendment No. 2-A is being requested to increase the agreement amount by \$500,000, for a total not-to-exceed agreement amount of \$38,500,000, in order to provide continued construction management (CM) support for a brief interim period (less than 1 month) to avoid any disruption to CM services while Amendment 2 is under review by the Board of Supervisors; and

WHEREAS, The Contract Monitoring Division established a subconsulting goal of 14% Local Business Enterprise participation of the total labor value of the services to be provided, excluding specialized natural occurring asbestos compliance monitoring and advisory services; and

WHEREAS, Funds for this agreement are available from Project CUW37401 – Calaveras Dam Replacement; now, therefore, be it

RESOLVED, That this Commission hereby approves Amendment No. 2-A to Water Enterprise, Water System Improvement Program-funded Agreement No. CS-911R, Construction Management (CM) Services – Calaveras Dam Replacement Project, with Black and Veatch Corporation, to provide continued construction management (CM) support for a brief interim period (less than 1 month) to avoid any disruption to CM services while Amendment 2 is under review by the Board of Supervisors; and authorizes the General Manager of the SFPUC to execute Amendment No. 2-A, increasing the agreement by \$500,000, for a total not-to-exceed agreement amount of \$38,500,000.

*I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 24, 2015.*

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*Secretary, Public Utilities Commission*



# GENERAL SERVICES AGENCY CONTRACT MONITORING DIVISION



Edwin M. Lee, Mayor  
Naomi M. Kelly, City Administrator

Maria Cordero, Executive Director

## MEMORANDUM

Date: December 23, 2014

To: Susan Hou, Project Manager, SFPUC

From: Bayard Fong, Contract Compliance Officer, HRC

Subject: Modification of CS-911R, Amendment 2  
CM Services Calaveras Dam Replacement – Black & Veatch Corporation

The San Francisco Public Utilities Commission (“SFPUC”) awarded the above mentioned contract to Black & Veatch Corporation (“Black & Veatch”) to provide Construction Management Services (CM) for the Calaveras Dam Replacement Project. The contract in the amount of \$38,000,000 was issued on August 6, 2010. The LBE sub-consulting goal for the project is 14%. Black & Veatch’s CMD Form 2A commits to meeting 18.52% LBE participation.

The following are the LBEs listed on Form 2A:

FIRM	SERVICE	LBE Status	LBE
Applied Technology & Science	Environmental	SF WBE	0.53%
Avila & Associates	Environmental	SF WBE	0.27%
BioMaAS	Environmental	SF MBE	0.88%
Darbi, Inc.	Safety Compliance & Cost Estimating	SF WBE	1.13%
DKGC, Inc.	Geotechnical	SF MBE	0.06%
Eagle Environmental & Construction	Safety Compliance	SF WBE	0.39%
Holman & Associates	Environmental	SF MBE	0.14%
Jonas & Associates, Inc.	NOA Monitoring	SF WBE	2.55%
Lee Incorporated	Surveying	SF WBE	2.08%
Sonika Corporation	Technical Resources	SF MBE	0.28%
Terra Engineers	Technical Resources	SF WBE	0.11%
Their PR	Public Outreach/Communications	SF WBE	5.07%
SCA Environmental, Inc.	NOA Monitoring	SF MBE	5.03%
		<b>Total:</b>	<b>18.52%</b>

On July 12, 2011, in Amendment 1, the SFPUC approved the contract extension adding six (6) months, for a total agreement duration of six (6) years, and with no change to the agreement value.

For Amendment 2, Black & Veatch and the SFPUC are requesting approval from CMD to modify the above referenced contract by adding \$24,232,436 plus a contingency amount of \$6,267,564, and extend the contract by two (2) years, ten (10) months, for total agreement duration of eight (8) years ten (10) months. This will increase the total contract to \$62,232,436, allocate \$6,267,564 for contingency services, and extend the contract to May 24, 2019.

As of October 2014 the LBE participation on CS-911R is 28.62%. Black & Veatch has committed to utilizing “all good faith efforts” to use the listed LBE’s. With Amendment 2, Black & Veatch estimates that the LBE participation will be 27.33%.

See chart below:

<b>FIRM</b>	<b>SERVICE</b>	<b>Participation to date dollars \$</b>	<b>Participation to date percent %</b>	<b>Projected \$ with Mod</b>	<b>Projected % with Mod. Included</b>
Applied Technology & Science	Environmental	674,993	1.78	1,154,373	2.01%
Avila & Associates	Environmental	178,025	0.47	178,025	0.31%
BioMaAS	Environmental	2,292,227	6.05	3,766,248	6.57%
Darbi, Inc.	Safety Compliance & Cost Estimating	1,313,807	3.47	1,313,807	3.29%
DKGC, Inc.	Geotechnical	0	0	-	0.06%
Eagle Environmental & Construction	Safety Compliance	152,512	0.40	152,512	0.27%
Holman & Associates	Environmental	36,612	0.10	36,612	0.06%
Jonas & Associates, Inc.	NOA Monitoring	98,718	0.26	98,718	0.17%
Lee Incorporated	Surveying	564,875	1.49	1,001,410	1.75%
Sonika Corporation	Technical Resources	134,894	0.36	134,894	0.24%
Terra Engineers	Technical Resources	2,066,509	5.46	3,219,993	6.96%
Their PR	Public Outreach/Communications	1,338,580	3.54	1,963,876	3.43%
SCA Environmental, Inc.	NOA Monitoring	1,985,167	5.24	3,989,962	6.96%
	<b>Total:</b>	<b>\$10,836,919</b>	<b>28.62%</b>	<b>\$17,010,431</b>	<b>27.33%</b>

In addition, Black & Veatch has committed to a minimum of 18.52% for the contingency work.

See chart below:

<b>FIRM</b>	<b>SERVICE</b>	<b>Contract Contingency LBE Allocation \$</b>	<b>Contract Contingency LBE Allocation %</b>
Applied Technology & Science	Environmental	62,675	0.9
Avila & Associates	Environmental	0.00	0.0
BioMaAS	Environmental	283,293	4.5
Darbi, Inc.	Safety Compliance & Cost Estimating	125,351	2.0
DKGC, Inc.	Geotechnical	0.00	0.0
Eagle Environmental & Construction	Safety Compliance	0.00	0.0
Holman & Associates	Environmental	0.00	0.0
Jonas & Associates, Inc.	NOA Monitoring	0.00	0.0
Lee Incorporated	Surveying	62,675	0.9
Sonika Corporation	Technical Resources		
Terra Engineers	Technical Resources	313,378	5.0
Their PR	Public Outreach/Communications	0.00	
SCA Environmental, Inc.	NOA Monitoring	313,378	5.0
		<b>1,160,752</b>	<b>18.52%</b>

Based on the information provided above, CMD approves this modification with the condition that the prime, Black & Veatch utilize “all good faith efforts” to use the listed LBE’s to the maximum extent possible and to exceed the goal with the new contract dollars. This commitment applies to the entire contract including all modifications, change orders, and amendments.

If you have any questions please feel free to contact me at 415-554-3103 or [bfong@sfgwater.org](mailto:bfong@sfgwater.org).

Cc: Chris Mueller, Black & Veatch  
 Nicole Truax, CMD  
 Veronica Ng, PUC