



## Recommendation for Water & Wastewater Commission

<b>Commission Meeting Date:</b>	January 13, 2016
<b>Council Meeting Date:</b>	January 28, 2016
<b>Department:</b>	Capital Contracting Office
<b>SUBJECT</b>	
Authorize negotiation of a professional services agreement with <b>JACOBS ENGINEERING GROUP, INC.</b> , (staff recommendation) or one of the other qualified responders to RFQ Solicitation No. CLMP191, to provide engineering services for Albert H. Ulrich Water Treatment Plant Conversion to On-Site Generation of Sodium Hypochlorite in an amount not to exceed \$2,000,000.	
<b>AMOUNT AND SOURCE OF FUNDING</b>	
Funding is available in the Fiscal Year 2015-2016 Capital Budget of Austin Water.	
<b>Purchasing Language:</b>	Staff recommendation is the most qualified firm out of two firms evaluated through the City's qualifications-based selection process.
<b>Prior Council Action:</b>	N/A
<b>For More Information:</b>	Robyn K. Smith, 512-974-2624; Tiger Davis, 512-972-020; Denise Avery, 512-972-0104; Rolando Fernandez, 512-974-7749; Sarah Torchin, 512-974-7141
<b>Boards and Commission Action:</b>	January 13, 2016- To be reviewed by the Water and Wastewater Commission.
<b>MBE/WBE:</b>	This contract will be awarded in compliance with City Code Chapter 2-9B of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) by meeting the goals with: 16.50% MBE and 18.00% WBE subcontractor participation.

The City operates three major water treatment plants: Ullrich Water Treatment Plant, Davis Water Treatment Plant and Water Treatment Plant No. 4. The Ullrich Water Treatment Plant has a firm treatment capacity of 167 million gallons per day and utilizes chloramine for disinfection. The chloramine process requires the combined use of a chlorine system and an ammonia system.

Although the City has successfully and safely used chlorine throughout its various treatment facilities for more than 80 years, the City desires to incorporate inherently safer technologies when available and where feasible. The City initiated a feasibility study for implementing onsite generation of sodium hypochlorite which was performed by Carollo Engineers, Inc. in August 2011.

The selected firm shall develop, at a minimum, three options to convert the existing chlorine system to an onsite generation of sodium hypochlorite process and make recommendations on how to proceed. Proposed options shall maximize repurposing and reuse of existing facilities, structures and processes, where practical. Subsequently, the recommended firm shall perform design and develop construction documents that shall achieve the option the City selects. The selected firm shall also develop options and make recommendations to convert the existing ammonia system to liquid ammonia sulfate as part of the preliminary design phase. Depending on available budget, the City will determine whether or not to proceed with implementing liquid ammonia sulfate improvements in the final design and construction of this project. The plants shall remain operational throughout the project; the selected firm shall be required to perform all services of work without negatively impacting plant production.

This authorization provides for funding of services related to design services. This request allows for the development of an agreement with the qualified responder that Council selects. If the City is unsuccessful in negotiating a satisfactory agreement with the selected responder, negotiations will cease with that provider. Staff will return to Council so that Council may select another qualified responder and authorize contract negotiations with that provider.

**RECOMMENDED FIRM:** JACOBS ENGINEERING GROUP INC. is located in Austin, Texas

**ALTERNATE FIRM:** CAROLLO ENGINEERS, INC. is located in Austin, Texas

### **M/WBE Summary**

Notification of issuance of a Request for Qualifications solicitation was issued on October 14, 2015 through the City's Vendor Connection web portal, which resulted in 2892 firms receiving notice. The solicitation was obtained by 96 firms and two firms submitted qualification statements. Neither firm that submitted qualification statements were certified MBE/WBE.

Participation subgoals stated in the solicitation were 1.90% African American; 9.00% Hispanic; 4.9% Native/Asian and 15.80 WBE. The recommended firm provided a MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small and Minority Business Resources Department. The alternate firm provided a MBE/WBE Compliance Plan that met the goals of the solicitation and was approved by the Small and Minority Business Resources Department.

**RECOMMENDED FIRM:** JACOBS ENGINEERING GROUP, INC. – Total Participation:

NON M/WBE TOTAL – PRIME	58.50%
Jacobs Engineering Group, Inc., Austin, Texas	58.50%

**MBE TOTAL – SUBCONSULTANTS** **16.50%**

African American Subtotal	2.00%
(MB) HVJ Associates, Inc., Austin, Texas (geotechnical soils engineering)	2.00%

Hispanic Subtotal	9.50%
(MH) Jose I. Guerra, Inc., Austin, Texas (structural engineering)	6.00%
(MH) CasaBella Architects, Austin, Texas (architectural services)	3.00%
(FH) Macias and Associates, LP, Austin, Texas (surveying services)	0.50%

Native/Asian Subtotal	5.00%
(MA) CAS Consulting & Services, Inc., Austin, Texas (civil engineering)	3.00%
(MA) Encotech Engineering Consultants, Inc., Austin, Texas (mechanical engineering)	2.00%

**WBE TOTAL – SUBCONSULTANTS** **18.00%**

(FW) Harutunian Engineering, Inc., Austin, Texas (electrical engineering, instrumentation, engineering, control systems engineering)	18.00%
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**NON M/WBE TOTAL – SUBCONSULTANTS** **7.00%**

AECOM Technical Services, Inc., Austin, Texas (environmental engineering, water supply treatment)	7.00%
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**ALTERNATE FIRM:** CAROLLO ENGINEERS, INC. – Total Participation:

NON M/WBE TOTAL – PRIME	66.60%
Carollo Engineers, Inc., Austin, Texas	67.10%

**MBE TOTAL – SUBCONSULTANTS** **15.90%**

African American Subtotal	1.90%
(MB) HVJ Associates, Inc., Austin, Texas (geotechnical soils engineering)	1.90%

Hispanic Subtotal	9.00%
(MH) GarzaBury, Austin, Texas (mechanical engineering)	4.00%
(MH) Negrete & Kolar Architects, Austin, Texas (architectural services)	3.00%
(FH) Macias & Associates, LP, Austin, Texas (surveying, subsurface utility engineering, surveying services)	2.00%

Native/Asian Subtotal	5.00%
(MA) CAS Consulting & Services, Inc., Austin, TX (civil engineering)	2.50%
(MA) JQ Infrastructure, LLC, Dallas, Texas (structural engineering)	2.50%

WBE TOTAL – SUBCONSULTANTS	17.50%
(FW) Baer Engineering and Environmental Consulting, Inc., Austin, Texas (permitting services, environmental engineering)	2.50%
(FW) Harutunian Engineering, Inc., Austin, Texas (electrical engineering, instrumentation Engineering)	15.00%

Capital Contracting Office  
Evaluation of Consultant Qualifications

**COMPOSITE**      **Received:**                      November 16, 2015

**EVALUATION MATRIX**      **Project:**                      CLMP191, Albert H. Ullrich WTP Conversion to OSGSH

**Project Manager:**              Robyn Smith

Firm (or Joint Venture)	Item 1	Item 2	Item 3a	Item 3b	Item 4		Item 5	Item 6	Item 7	Item 8		Item 9			
	[Yes or No]	[Yes or No]	[10]	[20]	[20]		[15]	[15]	[10]	[10]	[100]	[15]	[115]		
	MBE/WBE Procurement Program	Turned in all Required Documents	Team's Structure	Team's Project Approach	Project Manager and Project Professional Experience		Prime Firm's Comparable Project Experience	Major Scopes of Work Comparable Project Experience	Team's Experience with Austin Issues	COA Experience with Prime	SUB TOTAL	Optional Interview	TOTAL POINTS	RANK	
					PM [12]	PProf [8]									
Jacobs Engineering Group, Inc.	Y	Y	10.00	18.00	11.40	8.00	15.00	14.40	9.60	10.00	96.40	-	96.40	1	
Carollo Engineers, Inc.	Y	Y	9.10	18.40	9.70	7.10	12.37	14.28	10.00	10.00	90.95	-	90.95	2	