



**Professional Services Agreement  
CITY OF AUSTIN  
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 25  
AGENDA DATE: Thu 11/18/2004  
PAGE: 1 of 4**

**SUBJECT:** Authorize negotiation and execution of a professional services agreement with CH2M HILL, INC., Austin, TX, for services provided to conduct a planning assessment study for the Green Water Treatment Plant in an amount not to exceed \$300,000.

**AMOUNT & SOURCE OF FUNDING:** Funding is available in the Fiscal Year 2004-2005 Capital Budget of the Austin Water Utility.

**FISCAL NOTE:** A fiscal note is attached.

**REQUESTING** Public Works  
**DEPARTMENT:** for Austin Water Utility;

**DIRECTOR'S**  
**AUTHORIZATION:** Sondra Creighton

**FOR MORE INFORMATION CONTACT:** Teresa Lutes, 972-0179; Felix Benavides, 974-7027; Laura Bohl, 974-7064

**PRIOR COUNCIL ACTION:** N/A

**BOARD AND COMMISSION ACTION:** Recommended by the Water and Wastewater Commission

**PURCHASING:** Best qualification statement of four received.

**MBE / WBE:** 16.3% MBE and 14.5% WBE subconsultant participation.

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The Green Water Treatment Plant (WTP), located in downtown Austin, was constructed in 1924 and modified in 1935, 1938, 1949, 1985, 1993, and 1998. The current design treatment capacity at this facility is 45 million gallons per day (MGD). However, the plant's actual operational capacity is limited to 42 MGD. The Green WTP source water is from the Colorado River which includes water from Barton Springs and surface water flows from the Barton Creek Watershed. Plant condition, site congestion and the uncertainties in meeting future Safe Drinking Water Act (SDWA) requirements has led the City to make plans to take the existing Green WTP off-line in the near future. The City of Austin plans to construct a new plant to replace the existing plant. This project will assess the production capacity and treatment process. In addition, this project will recommend the footprint of the New Green WTP, at the existing site or other location within the system.

The project will also include an assessment of the current condition of the Green WTP equipment and facility in order to recommend improvements required to maintain current production capacity levels until other capacity improvements are completed via separate and on-going projects. The selected consultant will provide a Project Delivery Plan; an Assessment Report that includes the results of all Project Identification Phase Activities; interim technical memoranda to coincide with completion of anticipated major project tasks; and detailed cost estimates of any recommended projects.

The key project planning assessment objectives are as follows:

- 1) The project will conduct a Green WTP condition assessment of the current equipment and facility to determine what improvements would be required to keep the existing plant operating reliably for up to 5 years until other separate and on-going capacity improvement projects are completed, prior to taking the Green WTP facility off-line for replacement.



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- 2) The project will determine the production capacity, treatment process, and footprint of the New Green WTP at the existing site including its intake on Town Lake.
- 3) The project will evaluate alternative locations on Town Lake including an intake on Town Lake, downstream of Barton Creek, for the New Green WTP. The project will determine the production capacity, treatment process, footprint, and system connections of the New Green WTP at alternate sites including a Town Lake intake.

This authorization provides for funding of services related to the planning assessment only. The cost of the planning assessment for improvements at Green WTP is estimated to be up to \$300,000. It is estimated that the planning project will take from 8 to 12 months to complete. Estimated project costs to be determined are the new Green WTP and site work at the current Green WTP if all or some portion of existing site is made available for redevelopment. It is anticipated that any future design phase services will be procured through a separate RFQ.

This request allows for the development of a professional service agreement with the recommended firm. Should the City be unsuccessful in negotiating a satisfactory agreement with the recommended firm, negotiations will cease with that firm. Staff will then return to Council and request authorization to begin negotiations with the alternate recommendation listed below.

Participation subgoals stated in the solicitation were 1.7% African-American, 9.5% Hispanic, 4.7% Asian-American, and 14.2% WBE. The recommended and alternate firms both provided M/WBE Compliance Plans, which were approved by the Department of Small and Minority Business Resources.

Notification of issuance of a Request for Qualifications (RFQ) for the subject services was sent to two hundred thirteen (213) firms on July 1, 2004. The RFQ was obtained by forty-five (45) firms, and four (4) firms submitted qualification statements. None of the firms were certified M/WBE firms. The four firms were evaluated and interviewed. Interviewing of the four (4) results in the following recommendation.



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**RECOMMENDED FIRM: - CH2M HILL, INC., Austin, TX - Total Participation:**

<u>NON M/WBE TOTAL – PRIME</u>	—	<u>67.70%</u>
CH2M Hill, Inc. Austin, TX		67.70%

<u>MBE TOTAL – SUBCONSULTANTS</u>		<u>16.30%</u>
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<u>African American Subtotal</u>		<u>2.00%</u>
Group Solutions RJW, Austin, TX (communications, public relations)		2.00%

<u>Hispanic Subtotal</u>	—	<u>9.50%</u>
Cotera & Reed Architects, Inc., Austin, TX (architectural services, buildings, drafting, graphic design, historical preservation, interior design, space and urban planning, site planning)		9.50%

<u>Asian American Subtotal</u>	—	<u>4.80%</u>
Encotech Engineering Consultants, Inc., Austin, TX (structural & mechanical engineering)		1.70%
Gupta & Associates, Inc., Dallas, TX (electrical engineering)		3.10%

<u>WBE TOTAL – SUBCONSULTANTS</u>		<u>14.50%</u>
Hicks & Company, Austin, TX (environmental consulting & impact studies)		6.00%
K. Friese & Associates, Inc., Austin, TX (project scheduling, environmental consulting, computer assisted design, civil & environmental engineering, cost estimating)		8.50%

<u>NON M/WBE TOTAL – SUBCONSULTANTS</u>		<u>1.50%</u>
Dr. Vern Snoeyink, Urbana IL (civil engineering – corrosion, softening, water chemistry, blending)		1.50%



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**ALTERNATE RECOMMENDATION: - BROWN AND CALDWELL, INC., Austin, TX-  
Total Participation:**

<u>NON M/WBE TOTAL -- PRIME</u>	—	<u>44.90%</u>
Brown and Caldwell, Inc., Austin, TX		44.90%

<u>MBE TOTAL -- SUBCONSULTANTS</u>		<u>15.90%</u>
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<u>African American Subtotal</u>		<u>1.70%</u>
Group Solutions RJW, Austin, TX (communications, public relations)		1.70%

<u>Hispanic Subtotal</u>	—	<u>9.50%</u>
CasaBella Architects, Inc., Austin, TX (architectural services)		2.00%
Martinez, Wright & Mendez, Inc., Austin, TX (surveying, global positioning)		7.50%

<u>Asian American Subtotal</u>	—	<u>4.70%</u>
Encotech Engineering Consultants, Inc., Austin, TX (structural engineering)		4.70%

<u>WBE TOTAL -- SUBCONSULTANTS</u>		<u>14.20%</u>
(FR) Harutunian Engineering, Inc., Austin, TX (electrical, instrumentation)		12.20%
(FR) Susan Kane Booth Consulting Engineer, Austin, TX (feasibility studies, water supply)		2.00%

<u>NON M/WBE TOTAL -- SUBCONSULTANTS</u>		<u>25.00%</u>
Turner Collie & Braden, Inc., Austin, TX (water supply, treatment & distribution; environmental consulting, civil engineering)		15.00%
Carollo Engineers, P.C., Austin, TX (water supply, treatment & distribution; environmental consulting, civil engineering)		10.00%

# CIP FISCAL NOTE

**DATE OF COUNCIL CONSIDERATION:**  
**WHERE ON AGENDA:**  
**DEPARTMENT:**

12/2/2004  
Resolution  
Austin Water Utility

**DESCRIPTION:**

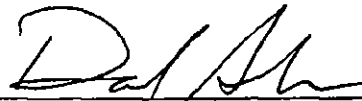
Authorize negotiation and execution of a professional services agreement with CH2M HILL, INC., Austin, TX for providing services relative to conducting a planning assessment study for the Green Water Treatment Plant in an amount not to exceed \$300,000.

**FINANCIAL INFORMATION:**

Parent Project Name:	Water Improvements - Citywide
Project Authorization:	2004-05 Approved Capital Budget
Funding Source:	Current Revenue
Number:	3920 227 1016

Current Appropriation	\$ 109,619,949.00
Unencumbered Balance	26,554,980.64 *
Amount of This Action	<u>(300,000.00)</u>
Remaining Balance	<u>\$ 26,254,980.64</u>
Current Available Balance	\$ 27,485,620.64
Less Outstanding Commitments	<u>(930,640.00)</u>
Estimated Unencumbered Balance	<u>\$ 26,554,980.64 *</u>

Utility Finance:

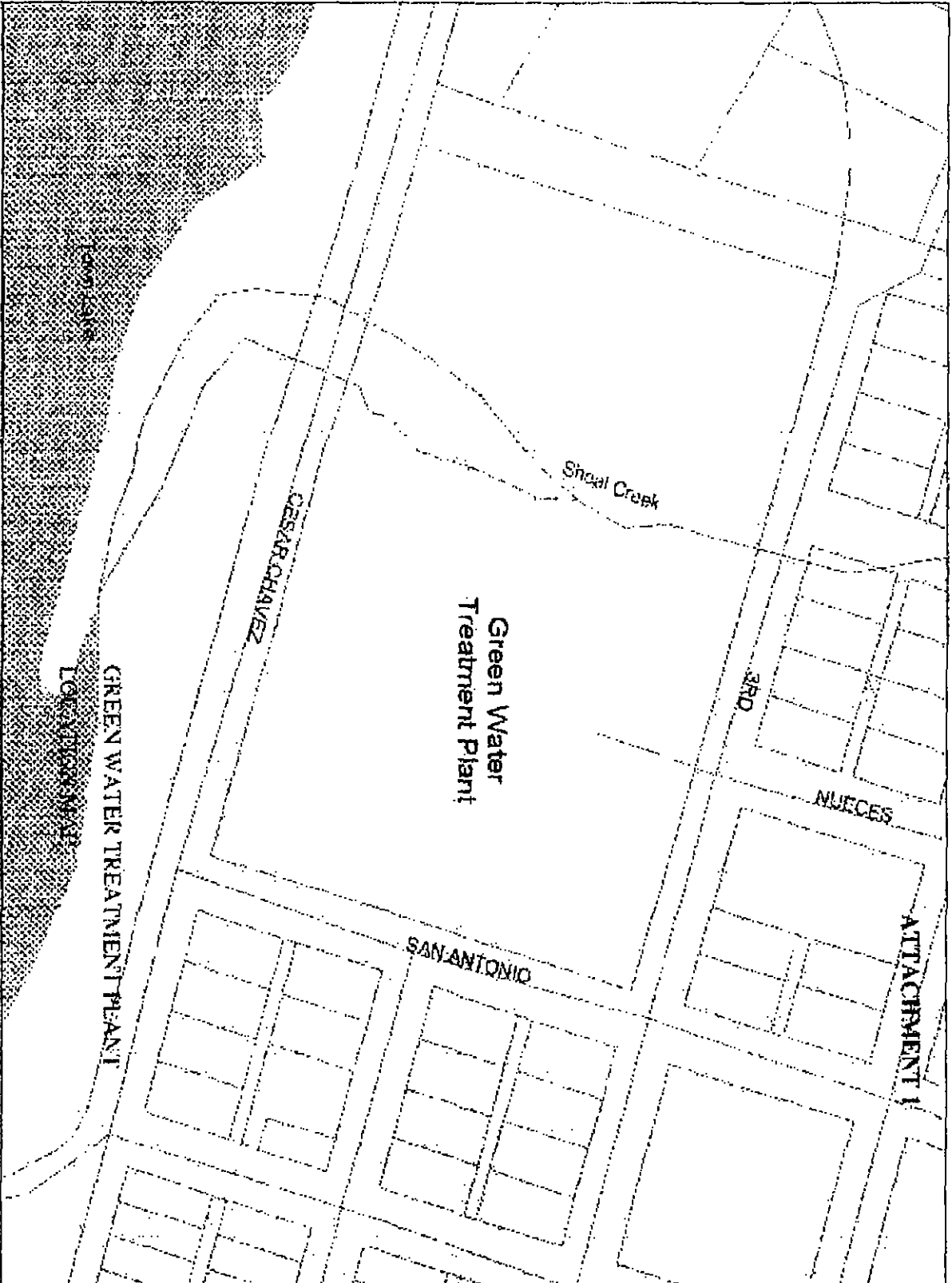


David Anders, Utilities Finance Manager

Date:

11/1/04

**REF. # 3920 227 7118**



**Public Works Department  
Evaluation of Consultant Qualifications**

Composite

Monday, August 2, 2004Green Water Treatment Plant Planning Assessment**EVALUATION MATRIX**Teresa Lyles

Firm (or Joint Venture)	Item 3 [24] Experience of Project Manager (1E) Principal (8)	Item 4 [15] Experience and Availability of Proposed Staff	Item 5 [15 w/subs] [30 w/o subs] Prime Firm's Comparable Project Experience	Item 6 [15 w/subs] [30 w/o subs] Subconsultant Firm's Comparable Project Experience	Item 7 [8] Team's Experience with Austin Issues	Item 8 [12] Team's Structure and Project Approach	Item 9 [11] COA Experience with Prime	[100] SUB TOTAL	Item 10 [25] Optional Interview	[125] TOTAL POINTS
CH2M Hill, Inc.	17.86	11.71	13.00	11.57	6.86	10.14	11	82.14	21.54	103.68
Brown and Caldwell, Inc.	16.71	11.86	11.71	12.86	6.29	10.14	11	80.57	21.25	101.82
URS Corporation	18.00	11.71	12.86	12.14	6.71	9.00	11	81.43	17.36	98.79
Chiang, Patel & Yerby, Inc.	15.71	11.57	12.71	12.43	5.85	9.71	11	79.00	17.96	95.96

No. 110304-B  
**PROFESSIONAL SERVICES AGREEMENT WITH CH2M HILL, FOR PROVIDING SERVICES  
RELATIVE TO CONDUCTING A PLANNING ASSESSMENT STUDY FOR THE GREEN WATER  
TREATMENT PLANT IN AN AMOUNT NOT TO EXCEED \$300,000**

**WATER AND WASTEWATER COMMISSION RESOLUTION**

**November 3, 2004  
REGULAR MEETING  
VOTE: 6-0-0-3**

Motion made by: Miller  
Commissioners Consenting: Coleman, Raun, Lee, Chan, Warner  
Commissioners Dissenting:  
Commissioners Abstaining:  
Commissioners Absent: Kirfman, Friese, Pool

The Water and Wastewater Commission recommends the Council authorize the execution of a professional services agreement with CH2M Hill, for providing services relative to conducting a planning assessment study for the Green Water Treatment Plant in an amount not to exceed \$300,000

  
Michael Warner Chairperson  
Water and Wastewater Commission

11/3/04  
Date