

Agenda Report

January 12, 2004

To: City Council

From: City Manager

Subject: Authorization to Enter into Contracts with Parsons to Perform Seismic and Structural Evaluation of Jones Reservoir and G&E Engineering Systems, Inc. to Perform Seismic and Structural Evaluations on Nine Existing Reservoirs, a Feasibility Study of Expanding Three Existing Reservoirs, and a Feasibility Study of Installing a New Reservoir

RECOMMENDATION

It is recommended that the City Council Authorize the City Manager to:

- (i) Enter into a contract with Parsons for an amount not to exceed \$107,000 to provide consulting services to perform a seismic and structural evaluation of Jones Reservoir for the Water and Power Department; and
- (ii) Enter into a contract with G&E Engineering Systems, Inc. (G&E) for an amount not to exceed \$425,000 to provide consulting services to perform a seismic and structural evaluation of nine existing water storage reservoirs, a feasibility study of the expansion of three existing reservoirs, and a feasibility study for the construction of a new reservoir.

The two proposed contracts are exempt from competitive bidding pursuant to City Charter Section 1002(F) contracts for professional or unique services.

BACKGROUND

In June 2002, Montgomery Watson Harza (MWH) completed a Water System Master Plan (Master Plan) for Pasadena Water and Power (PWP). The Master Plan report includes a detailed evaluation of current and future water supplies and water system facilities. One major component of the Master Plan focused on the existing condition, rehabilitation, and improvement of the City's water storage

facilities. The Master Plan recommends detailed seismic evaluations of 10 reservoirs constructed before 1972 to determine their compliance with current design codes for earthquake loads. The report also recommends leakage testing, structural analysis, inspection, geotechnical investigation, replacement of columns and roofs, a feasibility study for upsizing three reservoirs, and construction of a new reservoir

PWP requires the services of consultants to implement recommendations made by the Master Plan and assistance in performing seismic evaluations, structural analyses, geotechnical engineering services and general civil engineering services for thirteen existing reservoirs, and a proposed new reservoir. This study will recommend what improvements, if any, will be required.

The Request for Proposals (RPF) for the Seismic Evaluation of Reservoirs was issued on October 9, 2003. The RFP was divided into four projects as follows:

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|-----------|--|
| Project 1 | Seismic Evaluation of Jones Reservoir |
| Project 2 | Seismic Evaluation of Nine Existing Reservoirs |
| Project 3 | Feasibility Study of Expanding Three Existing Reservoirs |
| Project 4 | Feasibility Study of Constructing a New Reservoir |

A total of sixteen RFPs was sent to engineering consulting firms. Five responses were received by the deadline date of November 13, 2003. The proposals were evaluated using the criteria set forth in the RFP by a review panel selected by City staff in accordance with the City's competitive selection process for professional services. The total points scored for these firms, out of a maximum 100 points possible, are listed in the table in Attachment 1.

It is recommended that Parsons, the firm receiving the highest points from the evaluation team for Project 1 be awarded a contract for an amount not to exceed \$105,552 which includes the base contract amount of \$84,441 and a contingency of \$21,111 for any necessary change orders.

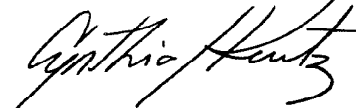
It is recommended that G&E Engineering Systems, Inc., the firm receiving the highest points from the evaluation team for Projects 2, 3, and 4 be awarded a contract for an amount not to exceed \$424,208 which includes a base amount of \$339,366 and a contingency amount of \$84,842 for any necessary change orders.

The contingency amount for each contract is 25% of the base contract amount due to the complex nature of the seismic analyses. Initial investigations may lead to more involved and difficult analyses such as materials testing, additional geotechnical sampling, etc., which are not included in the base amount scope of services.

FISCAL IMPACT

Funds for these contracts are provided for in the Water Division's Capital Improvement Budget, Project Type 1060.

Respectfully submitted,



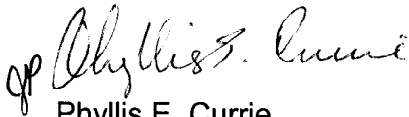
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