

CITY OF YUBA CITY
STAFF REPORT

Date: February 2, 2010
To: Honorable Mayor & Members of the City Council
From: Utilities Department
Presentation By: Ian Pietz, Senior Engineer

Summary

Subject: Approval of Professional Services Agreement with Peterson Brustad Inc. for Engineering Design Services of the Water Treatment Plant High Lift Pump Station Upgrades

Recommendation: Authorize the Utilities Director to sign a Professional Services Agreement with Peterson Brustad Inc. (PBI) not to exceed \$45,000 to provide the engineering services for the WTP High Lift Pump Station Upgrades Project with the finding that it is in the best interest of the City to do so.

Fiscal Impact: Consultant contract not to exceed the total of \$45,000 including a fifteen percent contingency. This service will be funded from CIP Account 971102—High Lift pump Upgrade. This account has a balance of \$240,000. Construction costs are estimated to be less than \$195,000.

Background:

The latest Water Treatment Plant (WTP) expansion was completed in 2008. As part of that expansion, the rated capacity of the WTP was expanded from 24 million gallons per day (mgd) to 30 mgd. The high lift pump station pumps treated water plus water from storage to partially meet hourly water demands. Pumps located at outlying reservoir pump stations also are required to meet hourly demands.

The most recent plant upgrade resulted in a high lift pump station reliable capacity of 30 mgd. Reliable capacity assumes one of the six pumps is out of service. This project is necessitated by the conversion of the former Hillcrest Water System to the City's surface water system. The project will replace one of the remaining original plant pumps with one of a higher capacity and improved efficiency.

The project includes an engineering analysis of the pump station electrical and hydraulic systems to ensure that optimum flow parameters are not exceeded.

With Council approval of this agreement, staff anticipates the following schedule to complete the project:

Approval of plans:	March 2009
Advertise for bid:	April 2009
Start of construction:	May 2010
Completion:	September 2010

Analysis:

The Department of Utilities contacted three Engineering Consulting Firms (ECO:Logic, Coleman Engineering and PBI). Professional services that are needed to complete this project include engineering design, hydraulic analysis, and electrical design.

The following are the selection criteria used to evaluate proposals in the attached rating table (Table 2):

- 1) Project Team Qualifications, Experience and Organization;
- 2) Approach and Scope;
- 3) Staff Estimate on Ability to Perform;
- 4) Schedule and Availability;
- 5) Other Criteria

All three engineering firms submitted proposals:

- ECO:Logic of Sacramento, CA
- Coleman Engineering Sacramento, CA
- PBI of Folsom, CA

A team of three city staff members reviewed the proposals for technical merit and responsiveness to the RFP. The reviews were done independently and cost was not considered during the rating process. PBI was unanimously selected as the top firm that would best meet the project objectives. Costs for services were then finalized with PBI. The proposal rankings are listed below:

Ranking	Company	Design Services
1	Peterson Brustad Inc	\$ 39,364
2	Coleman Engineering	\$ 32,041
3	ECO:Logic	\$ 44,950

The total cost for these services are below the threshold for the City Manager to approve this agreement; however, PBI has performed other design services for the City this fiscal year that caused their contract totals to exceed the \$50,000 threshold that requires Council approval.

The scope, schedule, and cost estimate of the work is attached. The standard City of Yuba City professional services contract is also attached.

Fiscal Impact:

Consultant contract is not to exceed \$45,000 including a fifteen percent contingency for engineering services. Construction costs are estimated not to exceed \$195,000 for a total project cost estimate of \$240,000 to be funded from CIP Account 971102—High Lift Pump Upgrade. This project is budgeted for the current fiscal year through water connection charges. The account has a balance of approximately \$240,000. The impact connection charges component of ground water conversion State Revolving Fund Loan may be used to reimburse the account.

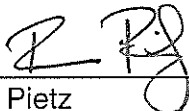
Alternatives:

Reduce the scope of work or reject the Agreement and provide staff direction.

Recommendation:

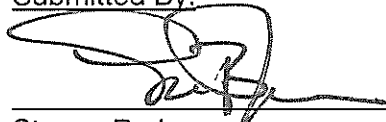
Authorize the Utilities Director to sign a Professional Services Agreement with Peterson Brustad Inc. (PBI) not to exceed \$45,000 to provide the engineering services for the WTP High Lift Pump Station Upgrades Project with the finding that it is in the best interest of the City.

Prepared By:



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Submitted By:



Steven R. Jepsen
City Manager

Reviewed By:

Department Head

UPL

Finance

MS

City Attorney

OK VIA E-MAIL