



Madison Water Utility

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MEMORANDUM

Date: August 24, 2012

To: Water Utility Board

From: Al Larson
Principal Engineer

Re: **Unit Well 26 Generator Addition Engineering Design Services
Consultant Recommendation to the Board**

Background

Well 26 is a critical water supply point on the City's far west side. Loss of power at the facility will put all of the customers in Pressure Zone 10 out of water. Well 26 also provides water to Pressure Zone 8, a large service area at the westerly limits of the City. Installation of a generator at the well will provide reliability to this critical source of supply and significantly reduce the risk of loss of water supply to the west side of Madison. The estimated cost for design and construction of the facility is \$560,000. Construction is proposed to start in 2013.

Request for Proposal (RFP) and Advertising

A request for engineering design services was prepared for the Well 26 generator addition. The RFP was electronically transmitted to 59 individuals working for over 30 different companies on June 15, 2012. The RFP was posted on the Utility web page and it was advertised on two separate days in the Wisconsin State Journal.

Proposals

Four proposals were received on July 12, 2012 and distributed that same day to a review committee of eight Water Utility employees with expertise and knowledge of the project. Al Larson, Dennis Cawley, Kelly Miess, Adam Wiederhoeft, and Pete Holmgren from Engineering, Chuck Engelhart from Maintenance, Dan Rodefled from Operations, and Joe DeMorett from Water Supply.

Review

The proposals were all reviewed and rated independently by each member of the committee. The committee then met on Tuesday July 24th. and discussed and debated the merits and benefits of each proposal. The objective of the meeting was to reach consensus on the recommended firm. The proposals were evaluated on ten subject areas as follows:

1. Project understanding
2. Pump Station Design Experience
3. Proposed Project Team
4. Schedule
5. Public Participation
6. Madison Process and Permitting Expertise
7. WDNR Permitting Expertise
8. Work Samples
9. Project Management experience and Cost Control
10. Intangibles

The proposals were ranked as follows:

Strand Assoc.	1
Baxter Woodman	2
AECOM	3
Foth	4

Strand, Baxter Woodman and AECOM were judged to be most qualified for the project and would be considered further.

Submitted Hours and Costs are as follows:

	Hours	Costs
Strand Assoc.	732	\$123,000
Baxter Woodman	427	\$57,500
AECOM	1,062	\$116,918

Recommendation

While all three firms were qualified for the project, Strand submitted the most complete and comprehensive proposal and demonstrated superior qualifications for the work. The materials submitted and their stated understanding of the project and the needs of the Utility resulted in their top ranking.

Utility estimates of project cost were significantly lower from that proposed by Strand. Negotiations were initiated with Strand to see if the fees could be reduced to a more reasonable level. Award of the project was delayed for a month. Strand was not able to modify their proposed fee for the project to an acceptable level and elected to decline the project.

Baxter Woodman was asked to verify their proposed costs to verify that they were willing to complete the project as proposed. They confirmed that they would complete the project for their proposed fee.

Following a comprehensive evaluation of all materials submitted and successful completion of negotiations with Baxter Woodman, the committee unanimously recommends that Baxter Woodman be retained for engineering design and construction services for the addition of a generator for Well 26.