

Denver Board of Water Commissioners

Title:

**SECOND AMENDMENT TO AGREEMENT WITH BLACK AND VEATCH
FOR THE UPDATE OF THE TREATED WATER STUDY**

Meeting Date: March 10, 2010

Contract/Proposal: 11903A

 Action by Consent Action Information

This Board item requests approval of contract time extension and additional funds for professional services for the Treated Water Study. Denver Water contracted with Black and Veatch in September 2008 for an update to the Treated Water Study. The original contract was for \$375,830.00. The original scope of work had three major goals: first, evaluation of the transmission and distribution facilities needed to provide for growth in the service area assuming all facilities are in service; second, evaluation of the transmission and distribution facilities with various treatment plant outages; third, determination of the impact on the transmission and distribution system of relocating the Moffat Plant to a Ralston location. The primary vehicle for evaluation of the future system is a calibrated all-pipes hydraulic model.

Additional funds are requested to cover work that was not anticipated in the original scope. Some extra work was required to calibrate the initial all-pipes model to existing actual operating conditions. Planning also added scenarios to examine operational alternatives to structural additions to the transmission system. Finally, Planning requested modeled scenarios to examine near-term challenges. In particular, the sizing of the new Lone Tree treated water storage reservoir was uncertain. The various models allowed us to focus in on an optimum size to satisfy both future demands and operational flexibility. Since new storage is extremely costly, we feel the modeling was worthwhile in verifying the size needed for the new reservoir. We had anticipated covering some of these operational questions in a second professional services contract budgeted for 2010, but moved them forward into this study to cover high priority questions.

The first amendment to this agreement covered invoicing procedures only. The additional funds requested in this second amendment are \$116,051.00. This amendment also extends the completion date to August 31, 2010. Planning's 2010 Professional Services budget includes funds to cover this additional work.

RECOMMENDATION

It is recommended that the Board approve the Second Amendment to Agreement 11903A with Black and Veatch for the Treated Water Study Update in the amount of \$116,051.00 bringing the total contract amount to \$491,881.00 and extend the completion date from March 1, 2010, to August 31, 2010.

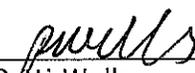
Budget Considerations

Master Plan Code(s): 4JA0005

Budgeted Item Unbudgeted Item Funds transferred from another project

Approvals:


David L. Little
Director of Planning


Patti Wells
General Counsel


Manager Approval