

**AGENDA**



**Recommendation for Council Action (CMD)**

Austin City Council	Item ID:	29718	Agenda Number	15.
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Meeting Date:	January 23, 2014
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Department:	Contract Management
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Subject

Authorize negotiation and execution of an amendment to the professional services agreement with CDM Smith Inc., for engineering services related to development of a Master Plan for the Hornsby Bend Biosolids Management Plant in the amount of \$400,000, for a total contract amount not to exceed \$1,949,832.

Amount and Source of Funding

Funding is available in the Fiscal Year 2013-2014 Capital Budget of the Austin Water Utility.

Fiscal Note

A fiscal note is attached.

Purchasing Language:	
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Prior Council Action:	December 17, 2009 - Authorized negotiation and execution of a professional services agreement.
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For More Information:	James W. King, P.E., 512-972-0185; Paul Shropshire, 512-972-1431; Denise Avery, 512-972-0104; Felecia Shaw, 512-974-6017.
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Boards and Commission Action:	December 11, 2013 - Approved unanimously by the Water and Wastewater Commission on a 7-0 vote.
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Related Items:	
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MBE / WBE:	This contract was awarded in compliance with City Code Chapter 2-9B (Minority Owned and Women Owned Business Enterprise Procurement Program) with 14.32% MBE and 6.44% WBE subconsultant participation to date.
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Additional Backup Information

The initial City Council authorization in the amount of \$1,500,000 was to provide engineering services related to development of a Master Plan for the HBBMP treatment facility. Conducted services have included a complete and comprehensive assessment of the Plant's assets, processes, systems and infrastructure to determine and recommend the least life-cycle cost-based, most environmentally sound and neighborhood friendly approach to meet the short- and long-term Utility biosolids processing needs of the Plant. Resulting Master Plan recommendations will optimize or change existing treatment processes to ensure HBBMP continues to treat and dispose of the biosolids, liquid and gas in a reliable, efficient and sustainable manner.

Integral to these Master Plan services and in order to provide long-term treatment recommendations, a groundwater assessment and monitoring plan was completed within these services and submitted to TCEQ in compliance with requirements of the facility's TPDES permit renewal issued on October 31, 2012. This required groundwater monitoring plan and additional Master Plan scope to complete the groundwater plan was unanticipated in the original scope development for these services. This groundwater plan was approved by TCEQ on August 27, 2013 and requires the installation of ten additional site groundwater monitoring wells and requires a good faith effort by the City to identify off-site wells north of the facility for potential sampling in an attempt to confirm baseline groundwater quality before it is impacted by onsite activities. Once the assessment and monitoring phase of this approved groundwater plan is complete, a report to TCEQ is required to document groundwater conditions and trends. This final report will be completed outside of these services.

Services requested by this amendment include the installation of groundwater monitoring wells, and identification of offsite wells and outreach efforts for additional well sampling opportunities as required by the TCEQ-approved groundwater plan. Requested services to allow the completion of short- and long-term Master Plan recommendations include an evaluation of the potential impacts on the South Austin Regional WWTP (SAR) and feasibility of sending HBBMP pond water to SAR for treatment and disposal, which would result in a needed reduction of liquid volumes at HBBMP. Finally, requested services would assess the requirements and potential of adding food scraps, fats, oils and grease (FFOG) into the anaerobic digestion treatment process, which could provide a revenue source or treatment costs reduction by increased biogas productions, add the potential alternative for sludge drying to provide multiple reuse disposal options for solids, and support the City's zero waste initiative.

This amendment has been reviewed by the City's Change Control Committee.

CDM Smith Inc. is located in Austin, Texas.