



Meeting Date: 03 /13/2007

ACTION	TYPE OF ITEM
<input type="checkbox"/> Approved Recommendation	<input checked="" type="checkbox"/> Info/Consent
<input type="checkbox"/> Ord. No(s). _	<input type="checkbox"/> Report
<input type="checkbox"/> Res. No(s). _____	<input type="checkbox"/> Public Hearing
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____

Prepared By: Anthony Emmert Agenda Item No. I-11

Reviewed By: City Manager City Attorney Finance Public Works

DATE: February 26, 2007

TO: City Council

FROM: Mark Norris, Assistant Public Works Director/Utilities Services Manager
Public Works Department, Utilities Services Branch

SUBJECT: Agreement with CH2M Hill for Advanced Water Purification Facility Project Phase I, at Perkins Road north of Magellan Way.

RECOMMENDATION

That City Council approve and authorize the Mayor to execute the agreement with CH2M Hill in the amount of \$4,894,411 for the final design of the Advanced Water Purification Facility Phase 1 (Agreement No. A-6841).

DISCUSSION

The Advanced Water Purification Facility (AWPF) Phase I of the City-approved Groundwater Recovery Enhancement and Treatment (GREAT) Program will produce 6.25 million gallons per day of highly purified recycled water. The quality of the recycled water will meet the stringent state requirements for groundwater injection, following microfiltration/ultrafiltration, reverse osmosis, and advanced oxidation treatment. The City is designing the AWPF to be expandable to ultimately produce up to 25 million gallons of recycled water per day.

The recycled water will be used for landscape irrigation, industrial processes, agricultural irrigation, and groundwater injection. The use of recycled water for landscape irrigation and industrial processes will directly offset the use of potable water for existing and new water customers. The use of recycled water for agricultural irrigation and groundwater injection will produce groundwater credits, which the City will use to pump groundwater from areas not subject to seawater intrusion. The AWPF is a critical component of the GREAT Program, a holistic water resources project, which will improve the City's water supply reliability and water quality, reduce dependence on imported water, and help local groundwater aquifers recover from chronic overpumping and seawater intrusion.

CH2M Hill was one of several multi-disciplinary engineering design firms that responded to the City's request for qualifications for consultation and design work for the GREAT Program. CH2M Hill has recently successfully completed preliminary design for the AWPF Project. The current scope of work

includes assisting the City to proof pilot test the selected treatment equipment and to complete design of the AWPf Phase I Project. The City expects the design work to take approximately one year to complete, and expects permitting, bidding and construction to take approximately two years. In accordance with the City's Urban Water Management Plan 2005, the AWPf will begin contributing to the City's water supply portfolio in 2010.

FINANCIAL IMPACT

This special budget appropriation will increase revenues in the amount of \$39,681 in the Public Library Subventions Account No. 301-9788-533-7252 and increase appropriations in the same amount for the Automated Library Circulation Account No. 301-9788-826-8303, Project 885401. The approval of this additional appropriation will have no effect on the General Fund Operating Reserve.

AAE:aae

Attachment #1 - Agreement No. A-6841

Note: The Agreement No. A-6841 has been provided to the City Council. Copies are available for review at the Circulation Desk in the Library after 6:00 p.m. on the Thursday prior to the Council meeting and at the City Clerks Office after 8:00 a.m. on Monday.

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