CLARK COUNTY WATER RECLAMATION DISTRICT
BOARD OF TRUSTEES
AGENDA ITEM

Issue: Engineering Services Agreement to Authorize Design Build Procurement
Back-up: 

Petitioner: Richard Mendes, General Manager, Clark County Water Reclamation District
Clerk Ref. # 

Recommendation:

That the Clark County Water Reclamation District Board of Trustees approve and authorize the General Manager to negotiate an Engineering Services Agreement with MWH Americas, Inc. for preliminary design services and to utilize the Design Build method of procurement for the design and construction of Central Plant Membranes Phase II, District Project No. 656.

FISCAL IMPACT:

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<th>Fund #</th>
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<tr>
<td>CIP 020-1606</td>
<td>CCWRD CIP Fund</td>
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<th>Funded Pgm/Grant</th>
<th>Description</th>
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<tr>
<td>CCWRD</td>
<td>N/A</td>
<td>Central Plant Membranes, Phase II</td>
<td>N/A</td>
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None with this action.

BACKGROUND:

On August 3, 2010, the Board authorized the General Manager to sign a construction contract for the AWT Membranes and Ozonation Phase I. This project will add 30 million gallon per day (MGD) of tertiary treatment capacity utilizing membrane filtration and ozone disinfection to the East Flamingo Plant. This technology will significantly improve the water quality of the effluent that enters Lake Mead over the current sand filtration and Ultra Violet disinfection processes. Due to the partial failure of the 32-year old AWT tertiary system, the additional 30 MGD from the Central Plant Membranes Phase II (Project) is needed immediately.

Staff conducted two design charrettes late last year for the future Project; one to determine the location, capacity, and timing and the second, to propose a method of construction for the recommended facilities. The first panel, consisting of seven process experts from the western United States, recommended that 30 MGD of additional capacity be constructed as soon as possible, basing it on the design of Phase I. The second panel of four alternative delivery method experts from across the country selected the use of Design Build for the Project to begin right away. Staff concurs with the charrette recommendations and is requesting permission to proceed with the Project, estimated at $90,700,000, using the Design Build process.

Additionally, as MWH Americas, Inc. prepared the design of Phase I, authorization is being requested to negotiate an agreement with them to prepare up to 30% for Phase II of the preliminary design package. MWH Americas, Inc. currently holds a Clark County business license.

Clearance:

3/1/2011
Agenda Item #
MWH Americas, Inc. (MWH) prepared the contract documents for AWT Membranes and Ozonation - Phase I and RFFP documents for PEPS. The first charrette panel recommended that the Phase II facilities be based on the Phase I design. MWH is uniquely qualified to quickly and efficiently prepare the preliminary design package and RFFP documents for Phase II. MWH performed this role for the District on the successful PEPS project discussed above. Further, use of MWH for the preliminary design package precludes them from proposing on the design-build project itself.

This agenda item has been reviewed and approved by the District Attorney’s Office.

Respectfully submitted,

RICHARD MENDES
General Manager

March 1, 2011
RM:AW