

W.7.b.

Memorandum Date: April 4, 2007
Board Order Date: April 18, 2007

TO: Board of County Commissioners
DEPARTMENT: CAO/Community & Economic Development
PRESENTED BY: Mike McKenzie-Bahr, Community and Economic
Development Coordinator

AGENDA ITEM TITLE: IN THE MATTER OF AWARDING A CONTRACT TO WESTECH FOR THE MANUFACTURE OF A NEW TREATMENT SYSTEM FOR THE MAPLETON WATER DISTRICT USING CDBG FUNDS IN THE AMOUNT NOT TO EXCEED \$253,790.

I. MOTION

MOVE FOR THE APPROVAL OF AWARDING A CONTRACT TO WESTECH NOT TO EXCEED \$253,790 AND AUTHORIZING THE COUNTY ADMINISTRATOR TO SIGN CONTRACT DOCUMENTS

II. AGENDA ITEM SUMMARY

The County was awarded a \$750,000 Community Development Block Grant (CDBG) in 2005 to make water filtration improvements to the Mapleton Water District. Since that time, the project has been moving forward with system engineering work. The next step in the process is to retain the services of a firm to manufacture a new water treatment system. After following the prescribed process for competitive selection, a proposed contract has been negotiated with WesTech for the manufacture of a water filtration system designed specifically for the Mapleton water system.

III. BACKGROUND/IMPLICATIONS OF ACTION

A. Board Action and Other History

The Mapleton Water District serves the community of Mapleton along the Siuslaw River. For several years it has operated with an aging filter system to treat the residents' drinking water. The District was able to make use of the services of Peter Thurston to put together a Lane County grant request for an

award of \$750,000 from the Oregon Department of Economic and Community Development Department, using federal Community Development Block Grant funds.

The Board of Commissioners previously authorized the awarding of a contract to HBH Consulting Engineers following a competitive solicitation process. One of HBH's main tasks was to design a new water filtration system, create engineering request for proposal documents, solicit request for proposal responses from system manufacturers and assist the project team in rating the responses.

The above has now all occurred. The RFP for the Membrane Filtration System Procurement was sent to the four companies in the United States that manufacture these types of water filtration plants. (Unfortunately none of those companies are in Oregon).

Two companies, Siemens/Memcor and WesTech responded to the RFP. Both responses were reviewed and graded by staff from HBH, Mapleton Water District, LCOG and the County. WesTech was recommended by the evaluation committee as having the best response, including the lowest price. Their bid was \$253,790, which was \$150,000 less than the other bidder. A contract has been developed with WesTech. The proposed agreement is satisfactory to the Mapleton Water District, and our State CDBG liaison. The award of the contract is now being submitted for BCC approval.

B. Policy Issues

Should the Board of Commissioners accept the RFP process as conducted and award the contract to the lowest bidder?

C. Board Goals

This project meets the following board goals:

- Contribute to appropriate community development in the areas of transportation and telecommunications infrastructure, housing, growth management, and land development.
- Maintain a *healthy environment* with regard to air quality, water quality, waste management, land use and parks.
- *Protect the public's assets* by maintaining, replacing or upgrading the County's investments in systems and capital infrastructure.

D. Financial and/or Resource Considerations

The County previously received a Community Development Block Grant of \$750,000 to be used to make improvements to the water filtration system owned by the Mapleton Water District and serving the citizens of Mapleton.

Of the grant amount, \$635,000 was budgeted for the design, manufacture and installation of the water filtration membrane system. The \$253,790 cost to manufacture the water system and rent a backup system is within the budget range set for this item.

Only CDBG grant funds are being expended for this item.

E. Analysis

The competitive process was conducted pursuant to the Request for Proposal and a Mapleton Water District representative, as well as representative from HBH, the County and LCOG served on the evaluation committee. The response from WesTech fits within the budgeted amounts for the work that has been identified as necessary, and contains restrictions to prevent exceeding the budgeted funds. The firm selected is qualified and has manufactured similar systems for other jurisdictions.

F. Alternatives/Options

The options before the Board are as follows:

1. The Board may choose to approve the proposed contract. This would allow the manufacture of the water system.
2. The Board may take no action. This would result in at least a delay in the project until the matters of concern to the Board could be resolved.
3. The Board may choose to reject the proposed contract.

IV. TIMING/IMPLEMENTATION

Upon approval by the Board, the final parts of the County process of contract review will be completed. When that process is complete, the contract will be signed by the CAO and sent to the contractor so they can begin work.

V. RECOMMENDATION

Staff recommends that the Board of Commissioners approve the motion as drafted.

VI. FOLLOW-UP

If the Board adopts the proposed Order, staff will communicate that to the project parties, oversee the signing of the contract and direct implementation of the contract.

VII. ATTACHMENTS

1. Board Order
2. RFP Score sheet

The Contract with WesTech, including the Membrane Filtration System Procurement RFP is available for review with the Clerk of the Board.

Mapleton Water District
WTP Improvements - Membrane Filtration System Procurement

Submittal	Total Score	Cost	Quality of Equipment	Experience of Supplier	Response to Bid	Rank
Siemens/Memcor	29	3	8	10	8	2
Westech	32	10	7	7	8	1

Mapleton Water District
WTP Improvements - Membrane Filtration System Procurement

Proposal Response Tabulation

	Westech	Memcor
A. Complete membrane filtration system	\$226,810	\$368,349
B. Shipping	\$1,700	\$7,000
C. Technical Services	\$5,280	\$32,000
Total Membrane System Cost	\$233,790	\$407,349
5-year guaranteed module replacement cost	\$5,265	\$850
Guaranteed membrane life (years)	5	7
100-gpm temporary skid cost (1-month)	\$10,000	Included
cost for subsequent months	\$10,000	N/A
Cost to replace all modules	\$42,120	\$40,800
Total Cost with Temp. Skid for 2-months	\$253,790	\$407,349

	UF	MF
Membrane Type	Polysulfone	PVDF
Membrane Material	43	36.5
Instantaneous Flux (gfd)	Out to In	Out to In
Flow Pattern at Membranes	12" x 36.6"	5.2" x 46.7"
Size of Individual Module	8	48
Number of Modules	0.01 micron	0.1 micron
Nominal Pore Size or MWCO	9,377	11,047
Active Membrane Area Provided (ft ²)	4	4
Giardia log removal	4	4
Crypto log removal	1.5	1.5
Virus log removal		
Backwash Interval (minutes)	45	30
Backwash Duration (minutes)	1	3
Backwash Waste Volume, Each BW (gal)	397	322
Backwash Supply	Gravity w/ PRV	On-Skid Pump
CIP Frequency (days)	30	30
Raw Water Feed Pressure (psi)	35	35
Pressure Drop Through Membrane Skid	4-29	10-30
Feed Pressure Reducing Valve Required	Yes	Yes
Flowmeters Required	2	none, included

