

ENGINEERING BOARD OF DIRECTORS' MEETING
AGENDA

MOULTON NIGUEL WATER DISTRICT

27500 La Paz Road, Laguna Niguel

October 13, 2009

9:00 A.M. (PDT)

Approximate Meeting Time: 2½ - 3 Hours

THIS BOARD MEETING WILL INCLUDE TELECONFERENCING AT THE
FOLLOWING LOCATION:

12025 CEDAR SHORE ROAD, ELLISON BAY, WISCONSIN

1. Call Meeting to Order
2. Approve the Minutes of the September 15, 2009 Board of Directors' Meeting
ROLL CALL VOTE
3. Public Comments
4. Earthquake Preparedness Enhancement Phase C, Contract 2002.014

Bids were solicited to install seismic-controlled valves at four potable water reservoir sites to complete the final phase earthquake preparedness enhancements for our water storage retrofits throughout the District. Bids were opened on October 1, 2009 as follows:

F.T. Ziebarth	\$ 208,700.00
Pascal & Ludwig	\$ 219,678.00
Schuler Engineering	\$ 234,719.00
S.S. Mechanical	\$ 236,000.00
R.C. Foster Corp.	\$ 239,694.00
T.E. Roberts, Inc.	\$ 240,936.00
Doty Bros.	\$ 258,750.00
Don Peterson	\$ 263,934.02
Paulus Engineering	\$ 287,973.62
Bebek Company	\$ 292,900.00
Engineer (District Staff)	\$ 250,000.00
Fiscal Year 2009-2010 Budget	\$ 300,000.00

This project will be financed with Fund 14 - Planning and Construction Fund. The total estimated project amount is \$1,000,000 with a total expense-to-date of \$441,548. This contract will be presented to the Board of Directors for consideration on Thursday, October 15, 2009.

5. Rolling Hills Recycled Water Pipeline Phase 1 Design Request For Proposal (RFP), Contract 2009.052

In cooperation with the Home Owners Association (HOA) property management, the District has identified 9 landscaping sites utilizing approximately 50 acre-feet per year of potable water to be converted to recycled water as part of the first phase of recycled water development for the Rolling Hills HOA and adjacent City of Laguna Niguel slopes. RFP's for design services to extend the recycled water pipeline to Rolling Hills HOA services were opened on October 6, 2009 as follows:

RCE Consultants, Inc.	\$ 24,000
Hunsaker & Associates	\$ 52,367
Psomas	\$ 53,459
Tetra Tech	\$ 58,000
Staff Estimate	\$ 60,000
Fiscal Year 2009-2010 Budget	\$ —0—

This project will be financed with Fund 14 - Planning and Construction Fund. The total estimated project amount is \$500,000, mostly anticipated for FY 2010-2011. This proposal will be presented to the Board of Directors for consideration on Thursday, October 15, 2009.

6. Informational Items

A. Ongoing Projects' Status

- i. Monthly Construction Progress Report
- ii. Budget vs. Cost-to-Date
- iii. Recycled Water Program Update
- iv. Cell Site Lease Program Workflow

B. Future Projects' Status

- i. Water Supply Reliability Projects' Status
 - a. IRWD Interconnection Booster Pump Station
 - b. Upper Chiquita Reservoir
- ii. Connection Fee/Planned Development Status
- iii. OCFCD Agreement 3A ETM Relocation Status

iv. SOCWA AWT Project Status

v. Poseidon Desalination (Huntington Beach Project)

- a. Representatives from Malcolm Pirnie will make a presentation regarding Desalination Distribution
- b. Resolution to Support Project

7. Operations Report

A. Niguel Road PW Pipeline Break

The District experienced a water leak in its 14-inch potable water pipeline in Niguel Road, between Crown Valley Parkway and Alicia Parkway, on September 21, 2009.

A presentation will be given on this issue.

B. Storage Area Network (SAN) System, Job No. 2009.068

In the past, computer servers contained their own storage. Today, the best management practice is to separate the storage from servers to provide a more agile and resilient environment for server consolidation using virtualization.

This project consists of purchasing equipment and software that will provide the storage to allow the District computers to meet the following objectives:

- Provide storage for server virtualization. Server virtualization allows IT to reduce power demand, cooling costs, and space requirements. By allocating resources to individual servers based on application requirements, IT makes more efficient use of available storage and processor cycles. As existing physical servers reach end-of-life, they can be replaced by virtual machines and the hardware can be repurposed as additional storage.
- Simplify storage management. By managing storage resources through a unified interface, IT staff will have a clear picture of available storage.
- Improve disaster recovery preparedness. Block level replication of production disk files and virtual machines mitigates downtime after an emergency and reduces the need for bandwidth intensive backup operations. Production data can be replicated onsite, as well as to an offsite location.
- Reduce hardware and maintenance costs by decreasing the need for expensive direct attached disks and associated hardware.

The District received the following proposals for this project:

<u>VENDOR</u>	<u>PROPOSAL</u>
Compellant QS-20	\$64,964.00
LeftHand Networks P4300	\$61,303.00
Dell Equallogic PS6000e	\$54,015.00
Project Budget	\$100,000.00

Also evaluated were FalconStor NSS iSCI SAN and MarketStor ZSAN. These two systems were not considered in the final round of evaluation due to technological incompatibilities and/or unproven status.

Staff Recommendation

EqualLogic and LeftHand Networks' proposed solutions appeared to be the best fit for the District based on capacity, industry reputation, performance, and IT staff skill set. LeftHand was deemed the more appropriate choice for the District's environment because the District staff has proven experience with Hewlett Packard hardware, and LeftHand's iSCI solution allows staff to maximize utilization of existing standard hardware. Therefore, staff recommends awarding this project to LeftHand Networks.

The following reports were consulted during evaluation:

Gartner: *Magic Quadrant for Midrange Enterprise Disk Arrays*, November 2008
<http://mediaproducts.gartner.com/reprints/hds/article11/article11.html>

Technology insight: *EqualLogic, Lefthand Lead Clustered iSCi Trend* February 2009
<http://www.infotech.com>

This project will be presented to the Board of Directors for consideration on October 15, 2009.

8. Late Items (Appropriate Findings to be Made)
 - a. Need to take immediate action; and
 - b. Need for action came to District's attention after Agenda Posting
[Requires 2/3 vote (5 members) or unanimous vote if less than 2/3 are present]
9. Adjournment

The Board of Directors' Meeting Room is wheelchair accessible. If you require any special disability related accommodations (i.e., access to an amplified sound system, etc.), please contact the Moulton Niguel Water District Secretary's office at (949) 643-2006 at least seventy-two (72) hours prior to the scheduled meeting.

This agenda can be obtained in alternate format upon written request to the Moulton Niguel Water District Secretary seventy-two hours prior to the scheduled meeting.

Agenda exhibits and other writings that are disclosable public records distributed to all, or a majority of, the members of the Moulton Niguel Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection at the District Office, 27500 La Paz Road, Laguna Niguel, CA (“District Office”). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available in the reception area of the District Office at the same time as they are distributed, except that, if such writings are distributed immediately prior to, or during, the meeting, they will be available in the Board meeting room.