

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MINUTES

ENGINEERING AND OPERATIONS COMMITTEE

March 12, 2012

Chair Evans called the meeting to order at 11:52 a.m. in Committee Room 2-145 at Metropolitan's Headquarters.

Members present: Chair Evans, Directors Barbre, Blake, Camacho, De Jesus, Grunfeld, Little, Millard, Montalvo, Morris, Peterson, Record, Sanchez, Steiner, and Wright.

Members absent: Vice Chair G. Brown and Director Lowenthal.

Other Board members present: Board Chairman Foley, Directors Ackerman, Brick, Dick, Edwards, Griset, Heidel, Lewinger, and Wilson.

Staff present: Arita, Becerra, Boyd, Burch, L. Carillo, Casillas, Coffey, H. Collins, E. Freeman, Garabetian, J. Green, Hamawi, Hattar, G. Johnson, Kightlinger, Koch, W. Lieu, Man, Mead, Morel, Parsons, Pecci, Riss, Shraibati, M. Stewart, Stites, M. Thomas, and B. Yamasaki.

1. OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE COMMITTEE ON MATTERS WITHIN THE COMMITTEE'S JURISDICTION

No members responded.

2. APPROVAL OF THE MINUTES OF THE ENGINEERING AND OPERATIONS COMMITTEE MEETING HELD FEBRUARY 13, 2012.

Approved

Motion: Director Blake

Seconded: Director Morris

3. CONSENT CALENDAR ITEMS – ACTION

- 7-5** Subject: Appropriate \$1.7 million; and authorize design of four hydroelectric plant rehabilitation projects (Approp. 15458)
- Presented by: No presentation was requested.
- Motion: Adopt the CEQA determination and
- a. Appropriate \$1.7 million;
 - b. Authorize final design to rehabilitate the Foothill and Sepulveda Canyon Hydroelectric Plants; and
 - c. Authorize preliminary design to rehabilitate the San Dimas and Venice Hydroelectric Plants.
- Motion Carried Moved: Director Blake Seconded: Director Morris
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- 7-6** Subject: Appropriate \$930,000; and authorize (1) final design and procurement for seismic retrofit of the Upper Feeder’s Santa Ana River Bridge; and (2) amendment to an agreement with IDS Group (Approp. 15441)
- Presented by: No presentation was requested.
- Motion: Adopt the CEQA determination and
- a. Appropriate \$930,000; and
 - b. Authorize final design and procurement for seismic retrofit of the Upper Feeder’s Santa Ana River Bridge; and
 - c. Authorize increase of \$150,000 to the existing agreement with IDS Group, for a new not-to-exceed total of \$300,000.
- Motion Carried Moved: Director Blake Seconded: Director Morris
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- 7-7** Subject: Appropriate \$340,000; and authorize (1) final design for repair of the San Jacinto East Adit on the Colorado River Aqueduct; and (2) amendment to an agreement with Jacobs Associates (Approp. 15373)
- Presented by: No presentation was requested.
- Motion: Adopt the CEQA determination and
- a. Appropriate \$340,000; and
 - b. Authorize final design for repair of the San Jacinto Tunnel East Adit; and

- c. Authorize increase of \$215,000 to the existing agreement with Jacobs Associates, for a new not-to-exceed total of \$365,000.

Motion Carried Moved: Director Blake Seconded: Director Morris

7-8 Subject: Appropriate \$170,000; and authorize preliminary design for canal improvements on the Colorado River Aqueduct (Approp. 15438)

Presented by: No presentation was requested.

Motion: Adopt the CEQA determination and
 a. Appropriate \$170,000; and
 b. Authorize preliminary design of canal improvements for the Colorado River Aqueduct.

Motion Carried Moved: Director Blake Seconded: Director Morris

7-9 Subject: Appropriate \$1.74 million; award \$519,825 contract to Cascade Pump Company for procurement of backwash return pumps; and authorize (1) rehabilitation of the drive shaft assemblies for the washwater reclamation plant; and (2) final design of dry polymer system upgrades at the F.E. Weymouth Water Treatment Plant (Approps. 15369 and 15440)

Presented by: No presentation was requested.

Motion: Adopt the CEQA determination and
 a. Appropriate \$1.74 million; and
 b. Award \$519,825 procurement contract to Cascade Pump Company for backwash return sump pumps;
 c. Authorize Metropolitan force construction to rehabilitate drive shaft assemblies at the Weymouth washwater reclamation plant; and
 d. Authorize final design of the Weymouth Dry Polymer System Upgrade project.

Motion Carried Moved: Director Blake Seconded: Director Morris

7-10 Subject: Appropriate \$650,000; and authorize final design and procurement of a standby generator for Iron Mountain Pumping Plant (Approp. 15438)

Presented by: No presentation was requested.

Motion: Adopt the CEQA determination and
 a. Appropriate \$650,000; and
 b. Authorize final design and procurement of a standby generator for Iron Mountain Pumping Plant.

Motion Carried Moved: Director Blake Seconded: Director Morris

7-11 Subject: Appropriate \$460,000; and authorize two rehabilitation projects at the F.E. Weymouth Water Treatment Plant (Approp. 15369).

Presented by: No presentation was requested.

Motion: Adopt the CEQA determination and
 a. Appropriate \$460,000; and
 b. Authorize preliminary design to replace filter valves in Weymouth Filter Building No. 1; and
 c. Authorize preliminary design to complete the rehabilitation of the Weymouth plant's drop gates.

Motion Carried Moved: Director Blake Seconded: Director Morris

4. OTHER BOARD ITEMS – ACTION

8-11 Subject: Appropriate \$5.43 million; and award \$3.67 million procurement contract to James Leffel & Co. for the Yorba Linda Power Plant Turbine-Generator (Approp. 15446)

Presented by: Engineering Services Group Engineer Michael Thomas

Motion: Adopt the CEQA determination and
 a. Appropriate \$5.43 million; and
 b. Award \$3.67 million procurement contract to James Leffel & Company for a turbine-generator at the Yorba Linda Power Plant.

Motion Carried Moved: Director De Jesus Seconded: Director Blake

Mr. Thomas presented the request for a procurement contract for a new 5-megawatt (MW) turbine and generator at the Yorba Linda Power Plant.

Director Peterson asked what it costs Metropolitan for the power being purchased at the Diemer plant. Water Systems Operations Group Manager Jim Green replied that Metropolitan currently purchases approximately \$400,000 to \$600,000 of power per year from Southern California Edison for the Diemer plant, but that amount may double once ozone goes on-line. He added that the Yorba Linda Power Plant is expected to produce revenue similar to the historical \$1 million - \$2.5 million in annual revenue. Any remaining power not used on-site at the Diemer plant will be sold.

5. BOARD INFORMATION ITEMS

None

6. COMMITTEE ITEMS

Chief Operating Officer Debra Man spoke about the report released by the American Water Works Association (AWWA) titled "Buried No Longer", which states that water utilities across the nation are facing the challenges of aging infrastructure and that utilities are facing the infrastructure replacement era. She added that the report estimates the cost to restore existing water systems will be \$1 trillion over the next 25 years. Also, as a follow-up, Metropolitan has asked one of the executive directors from AWWA to address the committee regarding this report.

7. MANAGEMENT REPORTS

a. Subject: Water System Operations Manager's report

Presented by: Water System Operations Group Manager Jim Green

Mr. Green provided an update on current operations. He gave an overview of the State Water Project blends at the treatment plants; the recently completed Jensen plant and Foothill Feeder shutdowns; and the current CRA shutdown to refurbish electrical systems and pumping plant delivery pipelines. He also mentioned that March 2012 demands are trending much higher than March 2011 demands.

Mr. Green also recognized two Section Managers: Lily Shraibati, Conveyance & Distribution Services Section Manager, responsible for the CRA and the treated and raw water distribution systems; and Glen Boyd, the new Operations Support Services Section Manager, responsible for construction services, machine, fabrication, and coating shops, hydroelectric plant maintenance, and fleet services.

Chair Evans mentioned that he was pleased to see that the Yorba Linda turbine-generator procurement was competitively awarded to an American firm in Ohio.

b. Subject: Engineering Services Manager's report

Presented by: Engineering Services Group Manager Gordon Johnson

Mr. Johnson gave a brief report on the successful activities of the Foothill and Sepulveda Feeder shutdowns which occurred February 13 through March 5, 2012. The shutdowns were primarily to perform internal inspection of prestressed concrete cylinder pipe and to perform five repairs using carbon fiber technology.

8. FOLLOW-UP ITEMS

None

9. FUTURE AGENDA ITEMS

None

Next meeting will be held on April 9, 2012.

Meeting adjourned at 12:19 p.m.

Tom Evans
Chair