

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MINUTES

ENGINEERING AND OPERATIONS COMMITTEE

September 12, 2011

Vice Chair Brown called the meeting to order at 12:14 p.m. in Committee Room 2-145 at Metropolitan's headquarters.

Members present: Vice Chair Brown, Directors Barbre, Blake, De Jesus, Grunfeld, Little, Lowenthal Montalvo, Morris, Peterson, Record, Steiner, and Wright.

Members absent: Chair Evans, Directors Bowersox, Camacho, and Sanchez.

Other Board members present: Board Chairman Foley, Directors Brick, Dick, Edwards, Friedman, Grandsen, and Wunderlich.

Staff present: Arita, Beccerra, Burch, L. Carrillo, Claisse, Coffey, Dale, J. Green, Hattar, G. Johnson, R. Johnston, Kightlinger, Koch, Krasner, Lambeck, Liang, W. Lieu, Man, Mead, Neal, M. Parsons, Pecs, Riss, Scully, Upadhyay, B. Yamasaki, Yates, and Yun.

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 AUGUST 15, 2011

Approved

Motion: Director Blake

Seconded: Director Record

3. CONSENT CALENDAR ITEMS – ACTION

7-1 Subject: Appropriate \$450,000; and authorize (1) environmental documentation for repairs to the Upper Newport Bay Blow-off Structure, and (2) professional services agreement with Dudek (Approp. No. 15377)

Presented by: No presentation was requested.

Motion: Adopt the CEQA determination and
 a. Appropriate \$450,000;
 b. Authorize preparation of environmental documentation for access and repairs to the Upper Newport Bay Blow-off Structure; and
 c. Authorize agreement with Dudek, in an amount not to exceed \$285,000, to provide specialized environmental support.

Motion Carried Moved: Director Morris Seconded: Director Blake

7-2 Subject: Appropriate \$390,000; and authorize preliminary design of bromate control facilities (Approp. 15472)

Presented by: No presentation was requested.

Motion: Adopt the CEQA determination and
 a. Appropriate \$390,000; and
 b. Authorize preliminary design of new bromate control facilities at each of Metropolitan's treatment plants.

Motion Carried Moved: Director Morris Seconded: Director Blake

7-3 Subject: Appropriate \$570,000; and authorize two rehabilitation projects at the F. E. Weymouth Water Treatment Plant (Approps. 15369 and 15440)

Presented by: No presentation was requested.

Motion: Adopt the CEQA determinations and

- a. Appropriate \$570,000;
- b. Authorize final design of the Weymouth Washwater Tanks Seismic Upgrades; and
- c. Authorize preliminary design to refurbish Weymouth Treatment Basins Nos. 5-8.

Motion Carried Moved: Director Morris Seconded: Director Blake

4. OTHER BOARD ITEMS – ACTION

8-1 Subject: Appropriate \$7.76 million; and authorize (1) initiation of the PCCP Rehabilitation and Replacement Program; (2) final design of carbon fiber repairs for eight PCCP lines; and (3) agreement with Pure Technologies US, Inc. for pipeline inspections and monitoring (Approp. 15471)

Presented by: Engineering Services Group Unit Manager Arleen Arita

Motion: Adopt the CEQA determination and

- a. Appropriate \$7.76 million;
- b. Authorize initiation of the PCCP Rehabilitation and Replacement Program;
- c. Authorize final design of carbon fiber repairs for eight PCCP lines; and
- d. Authorize agreement with Pure Technologies US, Inc., in an amount not to exceed \$4.18 million, for pipeline inspections.

Motion Carried Moved: Director Peterson Seconded: Director Grunfeld

Ms. Arita presented the request to authorize the initiation of a comprehensive long-term program for monitoring, rehabilitation, and/or replacement of Metropolitan's prestressed concrete cylinder pipe (PCCP) lines.

Director Peterson questioned why the PCCP line that runs from Castaic to the Jensen plant was not a first priority. Engineering Services Group Manager Gordon Johnson replied that the initial priorities for PCCP relining or replacement were based on the results of pipeline condition, inspections, and repairs, and did not consider water supply reliability.

Director Blake asked for clarification on where the additional \$1.5 million of unbudgeted funds for the second project were going to come from. Mr. Johnson answered that the money will come from savings realized on other programs. Ms. Man added that staff expects to be within the CIP budget for the fiscal year.

Director Grunfeld inquired if staff has the capacity to perform electromagnetic inspections. Mr. Johnson stated that Metropolitan does not have the capability to perform the inspections in-house as the process is patented; however, staff has entered into discussions to see if it is possible to license the technology.

Director Barbre asked if Appropriation No. 15471 was included in the FY 2011/12 CIP budget. He also requested a copy of Appropriation No. 15471. Mr. Johnson responded that this new appropriation is included in the annual capital budget appendix and staff will provide a copy.

8-2 Subject: Appropriate \$3.8 million; and authorize: (1) final design of staged implementation for the Weymouth Oxidation Retrofit Program; (2) preliminary design of hypochlorite and sulfuric acid feed facilities; and (3) amendment of an existing agreement with Tetra-IBI Group (Approp. 15392)

Presented by: Engineering Services Group Principal Engineer Mai Hattar

Motion: Adopt the CEQA determinations and

- a. Appropriate \$3.8 million;
- b. Authorize final design of staged ozonation facilities at the Weymouth plant;
- c. Authorize preliminary design of hypochlorite and sulfuric acid feed facilities; and
- d. Authorize increase of \$100,000 to the existing agreement with Tetra-IBI Group, for a new not-to exceed total of \$2,758,000.

Motion Carried Moved: Director Wright Seconded: Director De Jesus

Ms. Hattar delivered a presentation describing the proposed staging approach for construction of the ozonation facilities at the F. E. Weymouth Water Treatment Plant.

Director Peterson asked how long it would take to get the ozone generators. Ms. Hattar replied that Metropolitan has already taken delivery of the equipment.

Director Steiner inquired about the current blend percentage at the Weymouth plant, and if it will increase in the future. Water System Operations Group Manager Jim Green answered that the Weymouth plant is currently at a 50 percent blend. The blend percentage may go up in the fall if the water is amenable to conventional treatment.

5. BOARD INFORMATION ITEMS

None

6. COMMITTEE ITEMS

None

7. MANAGEMENT REPORTS

a. Subject: Water System Operations Manager's report

Presented by: Water System Operations Group Manager Jim Green

Water System Operations Group Manager Jim Green introduced the five WSO staff members who led the research and development effort to develop a new bromate control method: Engineer Tae Yun, Mills Plant Operations Manager Ric Johnston, Team Manager Rich Yates, Unit Manager Sun Liang, and Principal Environmental Specialist Stuart Krasner.

Mr. Green provided an update on current operations. He noted that the Colorado River Aqueduct will be at a zero pump flow for a one-month period from mid-October to mid-November in order to maximize deliveries of State Project Water.

Mr. Green also gave a brief report on the use of Global Positioning Satellite (GPS) systems to help manage Metropolitan's fleet assets. Lastly, he mentioned the widespread power outage that occurred in San Diego and south Orange County. Metropolitan facilities were not affected.

Director Barbre inquired about whether staff will provide tours to member agencies during the shutdown of the Colorado River Aqueduct. Ms. Man replied that tours will commence in 2012.

Director Wright asked if the Inland Feeder was in operation and the value of the power generated at the DVL facility. Mr. Green stated that the Inland Feeder was in operation and that the DVL facility will generate about \$3.2 million from July to October.

b. Subject: Engineering Services Manager's report

Presented by: Engineering Services Group Manager Gordon Johnson

Mr. Johnson reported on staff's response to a request for assistance from Mesa Water District to help repair one of their pipelines located in south Orange County. The assistance is being provided through a reimbursable agreement.

Mr. Johnson also showed photos of various construction projects in progress.

8. FOLLOW-UP ITEMS

None

9. FUTURE AGENDA ITEMS

None

Next meeting will be held on October 10, 2011.

Meeting adjourned at 1:14 p.m.

Glen Brown
Vice Chair