

**Carmel Area Wastewater District/Pebble Beach Community Services District
Pebble Beach Company**

**WASTEWATER RECLAMATION PROJECT
MANAGEMENT COMMITTEE**

MINUTES

**Meeting of February 14, 2018
Pebble Beach Community Services District Boardroom
Forest Lake & Lopez Roads, Pebble Beach, CA**

1. Call to Order

Mike Niccum, PBCSD General Manager, serving as facilitator, called the meeting to order at 9:30 a.m. Members or alternates present were: Ken White and Charlotte Townsend, Board of Directors, Carmel Area Wastewater District (CAWD); Peter McKee and Richard Verbanec, Board of Directors, Pebble Beach Community Services District (PBCSD); David Heuck, Executive Vice President, Pebble Beach Company (PBCo); Mike Bowhay, Independent Reclaimed Water Users Group (IRWUG)

Absent: None

Others in attendance:

Barbara Buikema, General Manager, CAWD
Rob Wellington, Legal Counsel, CAWD/PBCSD
Jim Grover, Principal Accountant, CAWD
Ed Waggoner, Operations Superintendent, CAWD
Kevin Young, Operations Supervisor, CAWD
David Stoldt, General Manager, Monterey Peninsula Water Management District (MPWMD)
Nick Becker, Principal Engineer, PBCSD
J.J. West, Assistant General Manager of Operations, Monterey Peninsula Country Club
Laura Dadiw, Clerk, PBCSD

2. Period for welcoming visitors, receiving public comment regarding matters not listed or considering changes to the agenda

There were no requested changes to the agenda.

3. Minutes

It was moved by Member Bowhay, seconded by Member White, and unanimously carried 6-0, to approve the minutes of the Committee meeting of November 9, 2017.

4. Review Status of CAWD Projects

Barbara Buikema, CAWD General Manager gave an overview of a staff report written by Drew Lander, CAWD Principal Engineer regarding status of capital improvement projects underway at the treatment plant. Recent capital projects have been focused on improving micro filtration membrane life. In addition, Ed Waggoner, CAWD Operations Superintendent updated the committee on plant improvements under evaluation in collaboration with Trussell Technologies to increase the rate of recovery of recycled water.

The CAWD Capital Improvement Projects Status Report was received for information and no action was required.

5. Review Status of PBCSD Projects

Nick Becker, PBCSD Principal Engineer presented a status update on capital improvement projects currently under development; associated construction activities are anticipated to commence in fiscal year 2018-19. The next 12 to 18 months will be focused on completing the following three projects; Poppy Hills Storage Tank Rehabilitation Project, Forest Lake Reservoir Pump Pit Rehabilitation Project, and the Carmel Transmission Main Cathodic Protection Project.

The PBCSD Capital Improvement Projects Status Report was received for information and no action was required.

6. Receive and consider reports relating to Operations and Maintenance of Project

A. Financial Statements (ending December 31, 2017)

Jim Grover, CAWD Principal Accountant gave a brief overview of Financial Statements for the six-month period ending December 31, 2017. The Reclamation Project was reported to be in good standing. Water sales are up from this time last year, likely attributed to the lack of rain and above normal temperatures experienced in November and December.

The O & M Financial Statements for the period were received for information and no action was required.

B. Receive/consider reports relating to Project operations and maintenance – (“O & M”) of Project

Kevin Young, CAWD Operations Supervisor discussed operational status of the microfiltration and reverse osmosis (MF/RO) facility. For most of January recycled water was produced using the MF facility only. During this period a rate of recovery of approximately 100% was achieved producing an additional 5 million gallons (MG) of recycled water. As a result, sodium levels at Forest Lake Reservoir increased from a range of 50 to 60 parts per million (ppm) up to 80 to 90 ppm. Current MF membranes have been in service for approximately 26 months exceeding that of past membranes (which have typically lasted 18 months). Transmembrane pressures have noticeably increased over the past two weeks. CAWD currently has two sets of replacement membranes (one new & one used “Carter Lake”) in stock should membrane replacement be required. CAWD staff is currently evaluating replacement of the ClearLogx system by reinstating the tertiary flocculation basins and associated sand filters to provide similar if not better MF pretreatment.

The report on Project operations and maintenance was received for information and no action was required.

C. Distribution System O & M

Nick Becker, PBCSD Principal Engineer presented a distribution system operations report noting that Forest Lake Reservoir has a current storage volume of 96 MG. System demand in December was abnormally high reaching approximately 17 MG, well above the 5-year and 23-year average of 5 MG and 3.5 MG, respectively. Throughout the second half of 2017 recycled water production was very consistent with an average rate of recovery approximating 86%. In January the rate of recovery increased

to 100% due to the operational change (MF only) noted in Mr. Young's report above. Observing the increased demand in December, staff responded by bringing all three alternative source water facilities online. Since December, the three facilities combined have produced approximately 3 MG.

The Distribution System O & M Report was received for information and no action was required or taken by the Committee.

7. Receive Miscellaneous Information or Announcements from Members, Staff or Visitors

David Stoldt, MPWMD General Manager concluded the meeting by giving a brief update on regional water issues. Monterey One Water is moving along with construction of their Groundwater Replenishment Project and is expected to have the project completed by June of 2019. California American Water is currently drafting an environmental impact report (EIR) for their Regional Desalination Project; it is anticipated that the EIR will be released for public comment sometime in March.

8. Closed Session

The Committee did not meet in a closed session.

9. Adjournment & Next Meeting Date

There being no further business at 10:11 a.m., it was moved and seconded, and determined by consensus of the members, that the Reclamation Management Committee adjourn to its next regular meeting on Wednesday, May 9, 2018, at 9:30 a.m. in the PBCSD Boardroom at 3101 Forest Lake Road, Pebble Beach.

Respectfully submitted:

Laura Dadiw, Clerk
Pebble Beach Community Services District