

To: Board of Directors
From: Norma J. Camacho, CEO

Chief Executive Officer Bulletin

Week of December 1 - 7, 2017

Board Executive Limitation Policy EL-7:

The Board Appointed Officers shall inform and support the Board in its work. Further, a BAO shall 1) inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established and 2) report in a timely manner an actual or anticipated noncompliance with any policy of the Board.

Page	IN THIS ISSUE
<u>1</u>	<u>Spillway condition assessments for Anderson, Calero, Guadalupe and Almaden dams</u>
<u>2</u>	<u>Varela</u> Place an item on a future agenda for the board to discuss project delay issues with PG&E representatives. R-17-0034

Spillway condition assessments for Anderson, Calero, Guadalupe and Almaden dams

In February 2017, major incidents at Oroville Dam led to significant damage and erosion of its spillways. In February 2017, Governor Brown ordered detailed evaluations of large spillway structures at all high-hazard dams in California. Subsequently, the Division of Safety of Dams (DSOD) conducted a reconnaissance-level assessment of spillways at the District's dams and requested the District perform a detailed evaluation of spillway structures at Anderson, Almaden, Calero, Guadalupe, Coyote, Uvas, Chesbro, Stevens Creek and Lenihan dams.

As requested by DSOD, the spillway condition assessments for Anderson, Calero, Guadalupe and Almaden dams have been completed. The spillway evaluations for Coyote, Uvas, and Chesbro dams have been initiated. A new capital project will be initiated to evaluate the spillway structures at Lenihan and Steven Creeks dams, since these dams are not undergoing any retrofit work.

The scope of the spillway condition assessments included identifying potential geologic hazards and characterizing foundation and concrete material susceptible to erosion. The assessment also included an evaluation of spillway conditions and the adequacy of the existing design features. Additionally, a Potential Failure Modes Analysis (PFMA) was performed to assess the failure risks associated with the Anderson Dam spillway.

The assessments of spillways at Anderson, Almaden, Calero and Guadalupe dams have determined

that they do not meet the current design standards, and may be susceptible to Oroville-like failure. Alternatives are being developed and evaluated for both remediation and/or replacement of key spillway components at each dam. This work would be incorporated into the current design effort for each seismic retrofit or dam improvement project.

The district is working closely with DSOD and, in the case of Anderson Dam, with the Federal Energy Regulatory Commission (FERC) in developing recommendations for spillway modifications at each dam. The district will be presenting its recommendation for remediation and/or replacement of four spillways, and the associated costs, to the board in January 2018.

For further information, please contact Katherine Oven at (408) 630-3126.

Varela

Place an item on a future agenda for the board to discuss project delay issues with PG&E representatives.

R-17-0034

Staff has placed an item on the board's February 27, 2018, meeting agenda to discuss project delay issues with representatives from PG&E.

For further information, please contact Rachael Gibson at (408) 630-2884.
