

June 3, 2017

**Mr. William Croyle, Acting Director**

Department of Water Resources  
State of California  
Post Office Box 942836  
Sacramento, CA 94236-0001

Dear Mr. Croyle:

We have served as the joint Department of Water Resources (DWR) Director's Safety Review Board and the Federal Energy Regulatory Commission (FERC) required Board of Consultants (BOC) for the "Oroville Dam Spillway Recovery" project since shortly after the Flood Control Outlet (FCO) spillway incident that occurred in early February of this year. Since our first engagement the BOC has visited the dam site and met seven times at DWR's Sacramento Headquarters with representatives of DWR Division of Engineering, Division of Safety of Dams (DSOD), FERC and industry consultants that are working on the project recovery design. Our involvement has spanned the accelerated design effort from conceptualization and will continue through final design which is now under review for approval for construction by FERC and DSOD. We most recently met on May 30 and 31 and in that meeting provided comments and recommendations on the plans, specifications, and supporting engineering Technical Memoranda that have been submitted to FERC and DSOD for approval.

Based on our review we find the documents satisfactory for construction pending incorporation of our May 30 and 31 review comments and suggestions into the documents, and approval by FERC and DSOD. We understand that due to the compressed schedule for this project there will likely be design modifications and changes required for the design to meet actual field conditions that could not be fully determined in the short time that was available for design. This Board will have continued involvement with the project and will provide the typical oversight and consultation on design changes that occur during construction.

We commend the Department of Water Resources' Design Team for their focused and thoughtful design efforts over the course of this intense and strenuous endeavor under very difficult circumstances, and the timely review and input of staff of the FERC and DSOD. The Design Team produced a product of high quality that incorporated many useful suggestions provided by FERC, DSOD and our BOC to improve the design. We appreciate your department's cooperation, openness and dedication to improving the safe performance of Oroville Dam.

Respectfully submitted,



**Eric B. Kollgaard**



**Faiz Makdisi**



**Kerry Cato**



**John Egbert**



**Paul Schweiger**