



**Contra  
Costa  
County**

To: Contra Costa County Flood Control District Board of Supervisors  
From: Brian M. Balbas, Interim Public Works Director/Chief Engineer  
Date: January 23, 2018

Subject: Flood Stage Determination Project — California Department of Water Resources: Flood Emergency Response Projects Grants Program — Statewide.

**RECOMMENDATION(S):**

APPROVE and AUTHORIZE the Interim Chief Engineer, Contra Costa County Flood Control and Water Conservation District (FC District), or designee, to apply for, and accept, grant assistance in the form of the California Department of Water Resources: Flood Emergency Response Projects Grants Program — Statewide, in an amount not to exceed \$450,000, for analysis and preparation of flood stage elevations for up to 12 existing stream gauges, West and Central County areas.

**FISCAL IMPACT:**

Grant amount requested will be up to \$450,000 California Department of Water Resources Flood Emergency Response Projects Grants Program. There is no local match requirement.

**BACKGROUND:**

In 2014, the County applied for and received a grant from the Department of Water Resources for \$206,500 under the first round of the Flood Emergency Response Project Grant — Statewide (FER Grant). This grant was for 10 stream gauges to be installed on non-legal Delta streams and for our RainMap webpage ([www.cccounty.us/RainMap](http://www.cccounty.us/RainMap)). The

☒ APPROVE

☐ OTHER

☒ RECOMMENDATION OF CNTY  
ADMINISTRATOR

☐ RECOMMENDATION OF BOARD  
COMMITTEE

Action of Board On: **01/23/2018** ☒ APPROVED AS RECOMMENDED ☐ OTHER

Clerks Notes:

**VOTE OF SUPERVISORS**

AYE: John Gioia, District I Supervisor  
Candace Andersen, District II Supervisor  
Diane Burgis, District III Supervisor  
Karen Mitchoff, District IV Supervisor  
Federal D. Glover, District V Supervisor

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Supervisors on the date shown.

ATTESTED: January 23, 2018

David Twa, County Administrator and Clerk of the Board of Supervisors

By: Stacey M. Boyd, Deputy

Contact: Mark Boucher, (925)  
313-2274

work on that project was completed in December 2017. We were able to find cost savings for some materials and amend the grant agreement to add 1 stream gauge for a total of 11 new

### BACKGROUND: (CONT'D)

stream gauges under that grant.

The current FER Grant could pay for the establishment of flood stage elevations at the new stream gauges plus one existing stream gauge. This would provide stream flood stages at 12 of our stream gauges. We would perform records research, field and office surveying, and computer modeling to establish the elevations at each stream gauge where we estimate flooding would occur in the general area upstream and downstream of the stream gauges.

The established flood stage elevations would be shown on plots on our RainMap so that the general public would be able to view the stream stages and see how close to flood stage the streams are. It would heighten the public's awareness of the stream conditions during area-wide flood watches that are proclaimed by the Department of Water Resources and/or the National Weather Service. We would also communicate these flood stages and stream gauge information with the County Office of Emergency Service and other jurisdictions, such as cities and park districts.

### CONSEQUENCE OF NEGATIVE ACTION:

Without the Board of Supervisors' approval, the FC District will not be able to apply for the FER Grant described above.