



# Flood Control District of Maricopa County

## Flood Control Advisory Board

**Meeting Minutes for February 28, 2018**

**Board Members Present:** Gregg Monger, Chairman; DeWayne Justice, Secretary; Bob Larchick, Ray Dovalina

**Staff Members Present:** Wayne Peck, General Counsel; Chris Hall, Deputy Director

### 1) **CALL TO ORDER**

Chairman Monger called the meeting of the Flood Control Advisory Board (FCAB) to order at 2:00 p.m. on Wednesday, February 28, 2018.

### 2) **PLEDGE OF ALLEGIANCE**

The Pledge of Allegiance was recited.

### 3) **APPROVE THE MINUTES OF January 24, 2018**

**ACTION:** It was moved by Mr. Patel and seconded by Mr. Larchick to approve the minutes as submitted. The motion carried unanimously and the minutes were approved.

### 4) **ACTION ITEM - FY19 PROPOSED OPERATING BUDGET**

Presented by Karen Scott, Acting Finance Manager

Ms. Scott covered fund balance and the reasons for increases during 2017. The reasons for estimated increase of approximately \$15.3M in the fund balance during 2018 was explained.

An overview of the sources of revenue for the district was presented. Additionally, the expenditure comparisons for FY18 and FY19 were presented. The only proposed increases were to One Time Fund and CIP. The operating budget recommended for approval will hold static with the previous year.

The One Time expenses included: Levee Safety Program, Building Maintenance, Procurement Warehouse Maintenance, and Accela Costs.

Mr. Monger requested the increase in the CIP expenditure be expanded upon, which Ms. Scott stated was due to the Vineyard and Powerline items not occurring this year. This was further expanded on by Ms. Belt under Action Item 5.

STAFF RECOMMENDS THE FOLLOWING ACTION: Endorse and recommend the District's requested FY19 fund 991 operating budget and fund 989 grant budget.

ACTION: It was moved by Mr. Patel and seconded by Mr. Dovalina to endorse and recommend the FY19 operating budget. The motion carried unanimously.

**5) ACTION ITEM - FY19 CAPITAL PROJECT BUDGET AND FIVE-YEAR CIP BUDGET**

Presented by Kim Belt, CIP Program Supervisor

Ms. Belt presented the proposed FY19 CIP budget at a high level, along with a breakdown by project phases and project type. The FY19 design efforts include: McMicken Dam rehab phases 1 & 2; Vineyard FRS rehab phase 3; Cave Buttes Dam modifications; 27th Ave & Olney Ave storm drains; and, Rawhide Wash drainage improvements.

FY19 construction projects that continued from the previous year were identified, along with the new construction starts that have been covered in previous board meetings. The seven FY19 small projects that have been approved were listed. All seven benefit 45 structures that are prone to frequent flooding.

Ms. Belt presented the details of the Proposed five-year CIP Program by year with highlights of projects included. Mr. Dovalina inquired if there would be a potential county levee tax increase potential in August. Mr. Hall responded that was not being pursued because the fund balance has more than enough for the project priorities without needing an increase.

Mr. Monger asked how many total levees are currently being managed through the department. Scott Vogel, Engineering Design Manager, responded that there are 24 levee structures that the district currently owns, operates, and maintains. Mr. Monger further inquired if all of those levee locations were included in the proposed inspection program, to which Mr. Hall stated it would eventually. For FY19 there would only be one or two structures piloted.

Mr. Dovalina inquired if there were any opportunities to work with the communities on their bonding with these funds to help accelerate projects. Mr. Hall replied that looking through FY23, the fund balance after the proposed projects would be down to the mid-teens and it may not be prudent to pursue that.

Mr. Larchick asked whether all of the projects in the CIP had been through the prioritization process and Ms. Belt responded affirmatively.

**STAFF RECOMMENDS THE FOLLOWING ACTION:** Endorse and recommend the FY19 Capital Project Budget and FY19-23 CIP.

**ACTION:** It was moved by Mr. Patel and seconded by Mr. Justice to endorse and recommend the FY19 CIP budget. The motion carried unanimously.

**6) ACTION ITEM - GROUNDWATER RECHARGE RESOLUTION FCD 2018R008**

Presented by Edward Raleigh, Senior Engineering Advisor

The background for this resolution was presented by Mr. Raleigh. A State Law was enacted indicating what the flood control districts could do in regards to groundwater recharge. As a result of that law, in 1996 the Board adopted the current resolution FCD 95-13 policies. Since that policy was adopted, the District has been approached by several cities to look at doing groundwater recharge on our properties and projects. None of these projects moved forward on our property in-part because of additional costs associated with the policy's requirement to lease the FCD land.

The recommended resolution would rescind the 1996 policy and replace it with a new policy that recognizes the public benefit of groundwater recharge to allow the district lands acquired and used for flood control purposes to be made available at no cost to other public agencies with provisions that the District will incur no costs.

**STAFF RECOMMENDS THE FOLLOWING ACTION:** Endorse and recommend the adoption of Resolution FCD 2018R008, the General Policy concerning Groundwater Recharge Aquifer Replenishment, Underground Water Storage, and Water Conversation on Flood Control District Real Property.

Mr. Justice raised the issue of 1075 water elevation line at Lake Mead and unavailability of excess CAP water. Mr. Raleigh indicated that the proposal from Surprise may be related to a recharge of treated wastewater there. The change to the policy will help these projects move forward.

Mr. Patel inquired about potential for liabilities from contamination. Mr. Raleigh stated state and federal permits will be required including a current permit process through ADWR that is rigorous for the applicant to get through which covers these types of issues.

Mr. Monger asked about ongoing maintenance agreements for prospective recharge basins and how it is handled. Mr. Raleigh responded that is similar to the process used with recreational facilities that the responsible agency would be wholly responsible for those costs. This will be covered in the IGA.

Mr. Larchick asked if there was an opportunity for the FCD to get into the recharge business through credits or leased space at a cost to the agencies. Mr. Raleigh responded that this was not a current objective and has not been looked at this time. The objective is to be a better partner to other public agencies to try to make more use of our facilities as multi-use to help cut costs for all. Mr. Peck added that the way the statute is written the recharge and recovery facility has to have FCD benefits or cannot interfere with FCD requirements as caveats.

**ACTION:** It was moved by Mr. Patel and seconded by Mr. Larchick endorse and recommend FCD 2018R008. The motion carried unanimously.

**7) DAM SAFETY PROGRAM FY19 BUDGET**

Presented by Steve Brown, Senior Geotechnical Engineer

**PURPOSE:** Information and discussion item only. No formal action is required.

Mr. Brown presented an overview of the goals of the Dam Safety Program, their FY19 budget, recurrent dam safety activities and assessments and repairs. The dam rehabilitation and modifications statuses were covered.

**8) FY19 PLANNING PROGRAM**

Presented by Douglas Williams, Planning Branch Manager

**PURPOSE:** Information and discussion item only. No formal action is required.

Mr. Williams covered the planning program definitions and benefits for: ADMS, ADMP, and DCR's. The program objectives were presented along with the studies for FY19. The external services budget was reviewed for ongoing and new ADMSs and DCRs. The new mapping areas and the Gila River/El Rio implementation budgets for FY19 were also reviewed.

Mr. Dovalina asked what the estimate to update older studies with newer 2D modeling. Mr. Williams responded that there was not a comprehensive estimate, but they are working on a five-year prioritization of watersheds with outdated modeling, old mapping and new populations projections. This analysis will identify watersheds with the greatest need of being updated. Mr. Williams offered to share the ASMS prioritization results at a later date if requested. Mr. Williams also offered that most of the study area watersheds with the City of Phoenix have been, or are currently being studied.

Mr. Monger asked if the DCRs were 100 percent district funded, and Mr. Williams responded that they were for the most part. On some occasions District staff will notify cities that half of the DCR costs would be reimbursed at the time of design/construction. Typically, cities have been able to reimburse the District at the design phase. The DCRs are identified within the ADMS's and receive much focus and attention. The DCR is a natural progression from the ADMS results. Mr. Monger further inquired if there was ever discussions about possible joint funding between the District and the development community, but Mr. Williams said that there have been no discussions at this time concerning this type of cost-share.

**9) FLOODPLAIN DELINEATION PROGRAM FY19**

Presented by Felicia Terry, Hydrology and Hydraulics Branch Manager

PURPOSE: Information and discussion item only. No formal action is required.

The purpose of the floodplain delineation FY19 program was presented by Ms. Terry. There are over 4000 miles of current floodplain delineations throughout Maricopa County. It is anticipated that there will be 25 miles of new or revised floodplains completed in FY19 for: Hassayampa River, Fountain Channel, and Palo Verde West. The external services operating budget for FY19 delineation program was covered.

Responding to a question from Mr. Monger about the timing of the start of the Hassayampa project, Ms. Terry stated an early fall start and corresponding completion of the study would take 9-12 months before it would go to FEMA.

**10) COMMENTS FROM THE DEPUTY DIRECTOR**

Presented by Chris Hall, Acting Deputy Director

PURPOSE: Information and discussion item only. No formal action is required.

Mr. Hall announced the new chairman of the Board of Directors was Steve Chuceri.

Senator McCain's office reached out to us for a letter of support for the Cave Buttes and McMicken Dam projects. A bill for the water resources act is currently making its way through development in Congress which they needed additional information from us. Those two projects were initially built by the USACE and we have since maintained, so it is appropriate to acquiring federal support for those two projects.

A curriculum has been developed for sixth grade students to teach them about the water cycle, flooding, what we can do as individuals to mitigate flood risks. Teachers can use

this seven lesson curriculum in their classrooms through a check-out process. This will be piloted in the spring to evaluate the effectiveness and make any modifications necessary before sharing with all schools. One of the key deliverables will be an emergency preparedness plan for each student to take home for their household. There are also simulations models that can be checked out for demonstration purposes in the classrooms.

Mr. Monger inquired if there are any internships currently or proposed for the district. Mr. Hall responded that there were currently college level internships only.

A pilot program for "adopt-a-structure" that will be similar to the adopt-a-highway and adopt-a-park programs for community organizations to volunteer to clean up the trash and litter around our structures. Both structures and organizations are being identified and the plan is to pilot the program beginning in March.

Mr. Wiley's retirement is effective March 1, but he will be returning in a part-time contracted capacity to help transition his successor when that person has been selected. The successor has not been identified as yet and there have not been any candidates interviewed for the position.

## **11) SUMMARY OF RECENT ACTIONS BY THE BOARD OF DIRECTORS**

Presented by Chris Hall, Acting Deputy Director

**PURPOSE:** Information and discussion item only. No formal action is required.

In their January meeting, the Board approved the new floodplain regulations and fee schedule. In the February meeting, there was an issuance of the final rebalancing contract for the Vineyard Road project.

## **12) OTHER BUSINESS AND COMMENTS FROM THE PUBLIC**

There were no comments from the public.

Mr. Patel moved that the meeting dismiss, the motion carried unanimously and the meeting adjourned at 3:09 p.m.