



**Albuquerque Metropolitan
Arroyo Flood Control Authority
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1. Call to Order and Roll Call

Chairman Eichenberg called the Regular Board Meeting to order at 10:00 a.m. Thursday, July 25, 2013. Roll was noted as follows:

Directors present:	Chairman Tim Eichenberg Director Danny Hernandez Director Bruce M. Thomson Director Ronald D. Brown Director Daniel F. Lyon
Directors excused:	None
Others present:	Jerry M. Lovato, P.E., Executive Engineer Vanessa Chavez, Attorney, Robles, Rael & Anaya, PC Staff Other attendees on file at AMAFCA

A quorum was present.

2. Approval of Agenda

Director Hernandez made a motion to approve the agenda. Director Lyon seconded the motion.

Mr. Lovato stated that late mailout memos had been provided for agenda items 9a, 14a, and 14b. In addition, item 12 had a handout with the Selection Advisory Committee recommendation.

Chairman Eichenberg stated that Director Thomson had something he wished to discuss under Unfinished Business, and there were no other changes to the agenda.

The motion passed unanimously (5-0).

3. Meetings Scheduled

- a. **Thursday, August 22, 2013, 10:00 a.m. – Regular Meeting**
- b. **Thursday, September 26, 2013, 10:00 a.m. – Regular Meeting**
- c. **Thursday, October 24, 2013, 10:00 a.m. – Regular Meeting**

No changes were made to the meeting schedule as presented.



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4. Items from the Floor/Public Comments

Mr. Lovato stated that he had received a letter from Matt Schmader of Albuquerque Parks and Recreation Open Space Division, directed to Chairman Eichenberg and the Board, regarding agenda item 16d. He stated that Mr. Schmader was unable to attend the meeting, but wished to put his comments on record.

At Chairman Eichenberg's request, Mr. Lovato summarized the letter rather than reading it into the record. He noted that Mr. Schmader's letter stated that the Mirehaven Arroyo is the largest remaining natural arroyo north of Interstate-40 in the city limits. It drains an important small watershed within and adjacent to the Petroglyph National Monument. The adjoining parcel of land shares a one-mile-long boundary with the Monument, but almost no practical public access to the public lands through the private parcel is included in the current development plans. He stated that significant public investment has been made in the Monument over the past twenty years, and it is a critical time to ensure that public access is included in the development. He urged that the AMAFCA Board work with the City to combine drainage and recreation needs in this area, as they have elsewhere, by facilitating public access along the arroyo.

Chairman Eichenberg recognized Art Retberg, on the Board of the Tres Volcanes Neighborhood Association, and the West Side Coalition of Neighborhood Associations. Mr. Retberg stated that members of the neighborhood association and coalition are concerned that the Pulte gated community will close access along the Mirehaven Arroyo to the Petroglyph National Monument. They would like to maintain public access along the arroyo. He stated that this was not an official position, but comments he had received from members of both groups who enjoy the outdoors and would like to continue to have easy access to the National Monument.

Chairman Eichenberg noted that the Board had also taken the position that AMAFCA facilities should be joint-use when possible.

Chairman Eichenberg stated that he had spoken to a representative of the Taylor Ranch Neighborhood Association the day before, who had expressed similar comments in support of public access along the arroyo.

Mr. Lovato stated that John Fleck, of the Albuquerque Journal, had tweeted, "'Protecting life and property since 1963' - you don't notice a flood control system that's working" along with a picture of the North Diversion Channel, shortly after one of the recent large rain storms to hit Albuquerque.



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5. Approval of Minutes
a. June 27, 2013 Regular Meeting

Director Thomson made a motion to approve the minutes of the June 27, 2013 Regular Board Meeting. Director Hernandez seconded the motion.

Director Lyon noted a correction of Karen Stearns' job title on page 7 of the minutes. He made a motion to amend the motion to include the correction of her title to "Storm Water Quality Engineer" on page 7 of the minutes. Director Hernandez seconded the motion to amend, which passed unanimously (5-0).

The amended motion passed unanimously (5-0).

6. Financial Matters
a. Approval of June 2013 Expenditures

Ms. Jeffries presented the June 2013 Expenditure Report.

In response to a question from Director Hernandez regarding the varying prices for steel-toe boots as shown on the Operating Fund Expenditure Report, Mr. Lovato stated that the less expensive boots purchased by the Real Estate Manager and GIS Manager were more of a steel toe Gortex or breathable fabric walking boot than a steel toe leather work boot. AMAFCA has an allowance of up to \$150.00 for steel toe boots for personnel whose jobs require them to work in the field.

Responding to a question from Director Lyon regarding the Construction Fund payment to Albuquerque Public Schools (APS), Mr. Lovato stated that the payment was for the AMAFCA outfall for the Amole Dam, built by APS at the Navajo Elementary site, as per the terms of the agreement.

Director Lyon made a motion to approve the June 2013 Expenditure Report. Director Hernandez seconded the motion, which passed unanimously (5-0).

b. Investment Report for June 2013

Ms. Jeffries presented the Investment Report for June 2013. In response to a question from Chairman Eichenberg, Ms. Jeffries stated that the interest rate earned on the funds in the New Mexico Local Government Investment Pool in June was 0.1077%.

There were no other questions, and no Board action was required.



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c. Financial Recap June 16, 2013, through July 15, 2013

Ms. Jeffries presented the Financial Recap for June 16, 2013, through July 15, 2013.

There were no questions. Director Hernandez made a motion to approve the Financial Recap. Director Lyon seconded the motion, which passed unanimously (5-0).

d. Financial Forecast July 16, 2013, through August 15, 2013

Ms. Jeffries presented the Financial Forecast for the period July 16, 2013, through August 15, 2013. She noted that the recommended actions for the Operating Fund include payroll payments to the City of Albuquerque for five pay periods to finish out the fiscal year, as well as payment of other operating expenses. The recommended actions for the Construction Fund include payments on two construction projects, and payments on various engineering invoices. The Debt Service Fund forecast includes bond payments due August 1, 2013.

Director Brown made a motion that the Board approve the Financial Forecast. Director Hernandez seconded the motion.

In response to a question from Chairman Eichenberg, Ms. Jeffries stated that the City of Albuquerque had been switching to a new accounting system, which put them several months behind on billing for payroll. They were now catching up.

The motion passed unanimously (5-0).

e. Resolution 2013-06, *FY 2013 Fourth Quarter Financial Report Year Ending June 30, 2013*

Ms. Jeffries stated that the Department of Finance and Administration's Local Government Division had approved the FY 2014 budget, subject to the receipt of the fourth quarter financial reports and other documentation. The financial reports had been provided to the Board. She noted that the ending balance of each fund as of June 30, 2013, corresponded to the beginning balance of that fund on July 1, 2013. Resolution 2013-06, *FY 2013 Fourth Quarter Financial Report Year Ending June 30, 2013*, would provide that documentation needed by the Local Government Division. She recommended that the Board pass and adopt the resolution.

Director Hernandez made a motion that the Board pass and adopt Resolution 2013-06, *2013 Fourth Quarter Financial Report Year Ending June 30, 2013*, and authorize the Chair and Secretary to sign. Director Thomson seconded the motion.



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In response to questions from Director Thomson, Ms. Jeffries stated that budget development is a two-step process and the actual July 1, 2013 starting balance in the funds is not known until the books are closed on June 30, 2013. After the books are closed, the estimated starting balance in the budget as passed earlier in the year is updated.

Responding to another question, Mr. Lovato and Ms. Jeffries stated that most of the funds in the Construction Fund are committed. Ms. Jeffries noted that there was a beginning balance of \$10 million in the Construction Fund. She also stated that she reports the beginning balances in the fiscal agent funds which AMAFCA manages to the Department of Finance and Administration, even though they are not a part of the AMAFCA budget.

In response to a query from Director Lyon, Director Brown explained that encumbered funds are those which are encumbered by a contract or funding agreement, and committed funds are those committed for scheduled projects, for which an agreement is not yet in place.

The motion passed unanimously (5-0), on a roll-call vote.

f. Atkinson & Company LTD – Required Letter of Communication

Ms. Jeffries stated that AMAFCA had received the required letter of communication from Atkinson & Company LTD, which outlined the planned scope and timing of AMAFCA's FY 2013 Audit. She noted that Atkinson & Company had begun their field work on the audit.

No Board action was required.

7. Greater Albuquerque Recreational Trails Committee (GARTC) Subcommittee on Bollards – Presentation by John Thomas

Mr. Lovato introduced John Thomas, of GARTC's Subcommittee on Bollards.

Mr. Thomas addressed the Board regarding the hazards of bollards on multi-use trails, in the configurations currently used in the local area. The subcommittee's position is that bollards on trails are dangerous due to bicycles running into them. They cause accidents and have even caused deaths or serious injuries (elsewhere in the country). He stated that the subcommittee would like to have the agencies in the greater Albuquerque area use other methods to control motor vehicular traffic, when feasible, and to use the new guidelines as developed in the American Association of State Highway Transportation Officials (AASHTO) Guide for the Development of Bicycle Facilities, 2012. He stated that he would like the agencies to have a consistent policy regarding the use of bollards.



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Director Hernandez stated that he and Chairman Eichenberg had been active on the Greater Albuquerque Bicycle Advisory Committee (GABAC), and that he and Director Thomson had ridden bicycles to the Board meeting. Director Brown also rode recreationally. Director Hernandez stated he had been fighting against bollards since 1996. He asked if GARTC had an official position against bollards.

Mr. Thomas stated that GARTC was beginning to take that official position, and had started talking to Bernalillo County, and to the City's Department of Municipal Development and Parks and Recreation Department about bollards on trails. They were hoping to have the various agencies all adopt a policy similar to that in the AASHTO Guide. He stated that he would like to come back in the future with several other people to discuss this issue further.

Director Brown noted that the Board, although sympathetic to the request, has been forced to use bollards to protect its facilities from ATVs and other motorized traffic. There has been inconsistent to no enforcement activity by local law enforcement. He opined that significant fines in the range of \$500, coupled with consistent enforcement, would reduce the need for bollards. He opined that instead of bringing bicyclists, Mr. Thomas needed to bring in some police officers.

Director Hernandez commented that ATVs, motorcycles, dirt bikes, and scooters are the problem on most AMAFCA facilities, and that bollards at 3 feet (AMAFCA's standard) only keep out the ATVs. All of the motorized vehicles are another danger to bicyclists as well.

Director Lyon noted that there are many kinds of trails, and it is difficult to apply one standard to all, when they are different. For example, some trails are open to recreational uses including horses, and others are not open to horses.

In response to questions from the Board, Mr. Thomas stated that the different government agencies involved are the City of Albuquerque, Bernalillo County, AMAFCA, Sandoval County, and any others who have a multi-use trail in the greater Albuquerque area. He stated the subcommittee would like to have there be a tougher law, including seizure of the motor vehicle, for those who trespass in an area marked "no motorized vehicles."

Responding to a question from Director Thomson, Mr. Lovato stated that AMAFCA has experienced 4x4s, including trucks, playing in the mud after storms – including cutting fences to get into the facilities. Also prevalent are people dumping trash along the maintenance roads and in channels and arroyos. He showed photos of bollard alternatives that AMAFCA is trying, including a redesigned bollard whose base is flush with the pavement when it is removed, instead of the traditional bollard which leaves a four inch tripping hazard when it is removed. Another option is a truck gate to the maintenance road, built alongside the trail, with bollards



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protecting the trail access. AMAFCA had tried vegetation alternatives, but people just drove over the vegetation to dump their trash.

Director Thomson requested that Mr. Thomas come back to the AMAFCA Board in three to six months to report on the progress made with the New Mexico Department of Transportation, Middle Rio Grande Conservancy District, City of Albuquerque, Bernalillo County, and other area entities which own and maintain multi-use trails, noting that the trails along AMAFCA's facilities are licensed to the City of Albuquerque, who operates and maintains them. AMAFCA recognized there was a problem but did not see any other effective alternatives to protect its facilities.

Mr. Thomas stated that he would do so, and would also follow up on the questions about policing efforts.

In response to a question from Director Lyon regarding policing efforts on the Calabacillas Arroyo, John Kelly, the former AMAFCA Executive Engineer, stated that Open Space Enforcement did assist with enforcing the "no motor vehicles" policy during a special emphasis period, before they were absorbed into the Albuquerque Police Department. This was prior to more gates and access control going in further to the west on the arroyo.

8. Legal
a. Status Report

Attorney Vanessa Chavez, of the Robles, Rael & Anaya, P.C. law firm, stated that the memo from Marcus Rael, Jr., briefed the Board on the status of various legal matters. She answered several questions from the Board regarding the changes to the Procurement Code and the implications of the changes on AMAFCA. The Board was concerned that the cost of the "due diligence" on smaller purchases might exceed the cost of the purchase.

Mr. Lovato stated that there were emergency procurement provisions in the statute as well, although those purchases need to be posted on the website after they were made. He noted that there appeared to be provisions that price comparisons needed to be made for any purchase under \$5,000, which might mean comparing the price of gas at three stations before buying fuel. There were questions like these that needed to be addressed.

Directors Thomson and Hernandez requested a copy of AMAFCA's comments on the MS4 permit. Mr. Lovato stated that those would be provided to the Board by email.



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9. Executive Engineer's Report
a. Notification of Past Month's Activities

The Executive Engineer's Report highlighted significant activities of the past month.

Between his memo and further information given in the meeting, Mr. Lovato covered the following:

- **Corps of Engineers (COE)** – *Projects to be discussed under agenda item 14.*
- **City of Albuquerque (COA)** – *Proposed Changes to the City of Albuquerque Drainage Ordinance.* The COA Department of Municipal Development drafted modifications to the Drainage Ordinance to address water quality in storm water and submitted the changes to the City Council for action a few months ago. Additional changes have recently been made to the draft. It is not known at this time who will sponsor the ordinance. The latest draft was provided to the Board in a late mailout. Staff met with representatives of NAIOP regarding their concerns over the NPDES permit and watershed-based permit. Additional information about that meeting will be discussed at the August Board meeting.

In response to a question from Director Brown, Mr. Lovato stated that the latest changes addressed his concerns regarding inspection of construction sites after construction is completed. He noted that the NAIOP was concerned about the new watershed permit, and that new standards would be imposed on discharges. However, the new permit is set up differently. Standards are on everyone, watershed-wide, rather than on individuals. It is up to each co-permittee how they want to implement it. There is more flexibility for compliance.

Mr. Lovato stated that, if the Board had any concerns about the ordinance, he would take those to the City as soon as possible.

Director Lyon expressed concern about older neighborhoods with curbs but no gutters, mostly on the westside. The roads become arroyos during rainstorms. Those projects on the project schedule are mostly priority 3. He would like to see more drainage put in, in these older neighborhoods.

Director Hernandez noted that language on page 23 of the draft ordinance (Section 14-5-2-12 (B)(7)(d)), which had initially been added to the ordinance with this revision, requiring a Stormwater Quality Permit-Erosion and Sediment Control "if the site is directly adjacent to receiving waters such as directly contained storm drains, directly connected concrete arroyos or the Rio Grande," was removed by the Floor Amendment dated June 17, 2013. He noted that these sites definitely needed to have a Stormwater Quality Permit.



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Mr. Lovato stated that the City was modifying the ordinance to comply with an EPA requirement, and changes could still be made, or he could make sure that this is in the Stormwater Quality Ordinance happening this fall. He stated that he would pass along the request to leave that paragraph in the Drainage Ordinance, or request that it be covered in the Stormwater Quality Ordinance, as water quality is important in such cases.

Director Thomson asked if it would be appropriate to send a letter to the City Council asking them to defer action on the ordinance until AMAFCA has had time to review and comment on the ordinance. Mr. Lovato stated that the Board could take that action to allow enough time to review the ordinance, as the changes were new to him also.

Director Thomson made a motion that the Board ask Mr. Lovato to draft a letter to the City Council, for the Chairman's signature, requesting that they defer action on the proposed changes to the Drainage Ordinance at least six weeks to give AMAFCA time to review and comment on the proposed changes to the ordinance. Director Brown seconded the motion, noting that would give time to review the ordinance during the August 22, 2013 Board meeting. The motion passed unanimously (5-0).

San Pedro Storm Drain and the Louisiana Storm Drain. The City of Albuquerque is working with Expo New Mexico (Expo NM) to address stormwater runoff that enters Expo from the Louisiana storm drain into the racetrack pond and then travels to the San Pedro storm drain. The racetrack pond will be modified to allow more storage and to keep the flows traveling through Expo NM. AMAFCA has had discussions with the COA concerning regional water quality features and/or additional ponding that would address the capacity issues in the San Pedro storm drain. Creation of ponding east of Louisiana would reduce flooding along San Pedro, but an additional 30 acre feet of storage will be needed. Further discussions with the COA concerning a regional approach to flood control and water quality in the area has resulted in a proposal to fund a feasibility study to determine the amount of storage to reduce or eliminate the capacity issues in the San Pedro Storm Drain and reduce flood plain east of Louisiana. The COA will partner with AMAFCA on the study. AMAFCA will construct an existing conditions model for the area south of I-40, west of Moon, north of Zuni, and east of San Mateo. This model can be done prior to entering into an agreement with COA to fund the feasibility study.

Chairman Eichenberg stated that he had recently heard of plans to do some roadwork, including a lane change, on San Pedro. The Board discussed the wisdom of doing the pipework for the storm drain prior to the road work. Mr. Lovato stated that it would therefore be prudent to move forward with the study as soon as possible. He had estimated that 30 acre feet of storage would



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be needed, but the actual number could be bigger or smaller. The study would clarify exactly what is needed.

Directors Brown and Hernandez expressed support of AMAFCA funding or cost-sharing the study. Director Hernandez stated that once the parties know the volume of storage and conveyance needed, they can begin negotiations with the City about solving the drainage problems, and can start discussions with the neighborhoods about the facilities needed.

Chairman Eichenberg requested that Mr. Lovato come back to the Board with detailed information on the cost of the study.

Mr. Lovato stated that it would cost about \$20-30k to scope the study, and then it would go out to Request for Proposals for selection of a firm to do the study, with an agreement with the City of Albuquerque to cost share the study.

In response to a question from Director Hernandez, Kevin Daggett, of the COA Department of Municipal Development, stated that the COA would like to cost-share in the study but had no funds budgeted at the current time. The City was grateful that AMAFCA would be willing to start the process, and the City would cost-share in later stages of the study. He stated that he would look into the lane change plans for San Pedro, and report back to Mr. Lovato.

Channel Road. The COA has met with AMAFCA staff to discuss the recent modifications to the project as a result of changes in federal funding and the design/build contract of Paseo del Norte. The modifications to the design and changes to the schedule will be the subject of a Board presentation at the August Board meeting.

Our Town NEA Grant. Mr. Lovato reported that the National Endowment for the Arts (NEA) had awarded a \$150,000 to the COA to do community-based, arts engagement and design workshops, to be led by two local non-profit organizations, Story of Place and Littlelobe, and the UNM School of Architecture and Planning. Their efforts will be to gather community stories from and about people and neighborhoods within the International District and to develop ideas from these stories to try to locate and design a site that can be turned into a community gathering plaza or community garden plaza. AMAFCA is an advisory member of the grant group, providing technical support for water harvesting and water use. As reported later in his report, he and Chairman Eichenberg, Director Hernandez, and Director Thomson met with members of the La Mesa Neighborhood Association about this grant, and will also meet with other neighborhood associations in the International District. He reported that it was a very positive meeting.



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Montaño Levee. The COA entered into an agreement with the COE for funding a feasibility report under the 205 Program. The feasibility report will be used in two years to justify federal assistance to construct the levee in the future. Mr. Lovato met with COA staff concerning building the levee using local funding and local engineering firms with local control of costs and schedules. The rough estimate for construction and design is \$4.75 million. Discussions with COA and Bernalillo County were positive. The COA would partially fund the construction and would like the MRGCD to take maintenance of the new levee. The levee work will need to be coordinated with the COE Bosque Restoration Project currently being designed for north of the San Antonio Arroyo outlet. The proposed design would relocate the drain ditch from the west side of the levee to the east side of the Bosque to minimize impacts to mature cottonwoods and to minimize the amount of material that would need to be trucked to the site to build the levee. Further engineering studies will need to be conducted before the COA will agree to participate in a local alternative to construct the levee.

In response to a question from Director Brown about funding, Mr. Lovato stated that he anticipated that the COA would provide \$750k and some land and other consideration, AMAFCA would put in \$1 million, Bernalillo County would provide some money, and so on. This would be sufficient for the local 35% of a federally-cost-shared project. The Board, however, wanted him to look into getting the project done sooner with solely local funding. He stated he was trying to work out the project with the COE.

Director Brown opined that the local agencies needed to find a way to make the project happen without federal funds, so that it could be built sooner. Every year that the project is put off just runs the risk of flood damage to the Bosque School and other buildings in the area. Waiting seven to ten years for federal funds that may never materialize isn't being responsible to the people who would be affected by a flood in that area. He stated that the County, COA, Middle Rio Grande Conservancy District (MRGCD), and AMAFCA needed to work together to solve this issue.

The Board discussed the fact that the river had been extremely low prior to the recent rain events. If the river had been at a normal flow level when the heavy rains hit the watersheds just north of this stretch of river, there could have been an issue with area flooding. Another scenario would involve a heavy storm directly over this area.

Director Hernandez noted that at an estimated \$4.75 million cost, AMAFCA could not do this project alone, and needed other area partners. Director Lyon requested that the former Executive Engineer John Kelly, now on the MRGCD Board, take the message back to the MRGCD, asking them, "Can we wait for funding, or do we have a duty to do something sooner?" He requested that Roger Paul, of Bernalillo County Public Works, take the same message to Bernalillo County, and that the Executive Engineer take this message to the COA.



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Mr. Kelly stated that he would take the message to the MRGCD Board, but the MRGCD was on record that they had no vested interest in a levee in this location, as they had no benefited property behind the spoil bank in the area, unlike the area behind the Corrales Levee.

Marble/Arno Pond Pump Station. The COA has started a Phase II investigation of the Marble/Arno Pond property to determine the cost of remediation. Mr. Lovato reported that he has discussed moving the Broadway Pump Station to the Marble/Arno Pond location. This will allow the new pump station to be constructed in the dry; the power requirements would change, thereby reducing the cost by eliminating the new PNM feed; the pump station can be incorporated into the neighborhood by using a residential façade; the new pump station would allow for a deeper wet well; and the construction of the wet well would remove contaminated soil. The COA requested additional information justifying the change in location. Mr. Lovato will be using an On-Call Engineer to produce the information, which should be available by the August Board meeting.

Chairman Eichenberg briefly left the meeting at 11:13 a.m.

Director Hernandez noted that he and Mr. Lovato had met with City Councilor Isaac Benton about the Marble/Arno Pond. Mr. Benton supported the idea of a steep and deep pond with a façade so that from the Broadway side, it looks like a commercial building, and from the neighborhood side, it looks residential. The property at Broadway and Lomas could then be sold and used for a better purpose. Director Brown stated that he supported this idea.

- **Bernalillo County** – *Southwest Valley Flood Reduction Project Phase I.* Bernalillo County and AMAFCA monitored the Los Padillas Extension over the last few rain events. The project worked as designed.

Mr. Lovato showed some slides of the project, the Amole Dam, and the Arenal Canal as the dam was drained through the Arenal Canal. He reported that the water quality of the water in the Arenal Canal improved with the discharge of water from the Amole Dam. The dam had captured approximately 400 acre-feet of water, which was emptied into the Arenal Canal at about 60 cfs.

Chairman Eichenberg returned at 11:15 a.m.

- **Public Outreach** – *Rain Event July 9, 2013.* Mr. Lovato and Kurt Wagener were interviewed by KOB News to report on the filling of the Amole Dam.



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Rain Event July 14, 2013. Kurt Wagener was interviewed by KOB News on July 15 to report on the damage to the Calabacillas Arroyo Bank Protection and Grade Control 3b/3c Project.

La Mesa Neighborhood July 17, 2013. Chairman Eichenberg and Directors Hernandez and Thomson met with representatives of the La Mesa Neighborhood to discuss current flooding problems, perceived flooding problems, and the misunderstandings and rumors surrounding the City's press release concerning the Our Town Grant.

Rain Event July 19, 2013. Mr. Lovato was interviewed by KOB News regarding the flood control system.

b. Notification of On-Call Services Task Orders

Mr. Lovato stated that seven on-call task orders had been issued since the last Board meeting, as listed in his memo. He gave further details on each. There were no questions from the Board.

No Board action was required.

10. Award of Bid for 35,000 GVW Single-Axle Dump Truck

Kurt Wagener, AMAFCA Field Engineer, stated that three bids had been received. With the adjustment for the resident bidder, Roberts Truck Center was the low bidder. Their bid amount, prior to the adjustment, was \$98,325.00. Roberts listed no specification exceptions and stated they meet specifications. Staff recommended award of the bid to Roberts Truck Center. All bidders had provided a signed AMAFCA Campaign Contribution Disclosure form.

Director Hernandez made a motion that the Board award the bid to Roberts Truck Center of New Mexico, LLC, and authorize the Executive Engineer to execute a purchase order for the purchase of the Single-Axle 35,000 GVW Dump Truck in the amount of \$98,325.00. Director Lyon seconded the motion, which passed unanimously (5-0).

11. Award of Bid for a 185 CFM Trailer Mounted Air Compressor

Mr. Wagener reported that three bids had been received, but staff rejected all of them due to unacceptable bid exceptions regarding the warranty and hose reel specifications. Staff planned to re-advertise and will bring a recommendation at the next Board meeting.



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12. Engineering Design and Construction Management Services for the Agency and Area-Wide Flood Control Maintenance Contract 2013-2014 – Consideration of the Selection Advisory Committee Recommendation

Mr. Wagener stated that four proposals had been received, but one was non-responsive because they did not sign the AMAFCA Campaign Contribution Disclosure Form. The Selection Advisory Committee had met and recommended selection of Smith Engineering Company for the engineering design and construction management services for the Agency and Area-Wide Flood Control Maintenance Contract 2013-2014. The committee's recommendation had been provided to the Board as a handout.

Director Brown made a motion that the Board accept the recommendation of the Selection Advisory Committee and authorize the Executive Engineer to commence negotiations with Smith Engineering Company for consideration of an Agreement for Engineering Design and Construction Management Services at the August 22, 2013 Board meeting. Director Hernandez seconded the motion, which passed unanimously (5-0).

Mr. Wagener noted that Pat Conley and Michelle Madrid, of Smith Engineering, were in the audience. Mr. Conley thanked the Board for their selection.

13. AMAFCA Technical Standards Committee – Consideration of Appointment of Janet Saiers as Fifth Committee Member

The memo from Mr. Lovato stated that he had contacted Janet Saiers about serving on the AMAFCA Technical Standards Committee, and she had agreed to serve. She will hold the non-engineer position, and will serve a three-year term expiring July 31, 2016.

Director Lyon made a motion that the Board appoint Ms. Janet Saiers as the fifth member of the AMAFCA Technical Standards Committee. Director Hernandez seconded the motion, which passed unanimously (5-0).

14. AMAFCA Projects

a. Black Mesa Phase 1a Project Update

Mr. Lovato stated that staff had prepared detailed descriptions and cost analyses of the three options for the Black Mesa Phase 1a pipe. Option 1, pipe along the Gun Club Lateral with an earthen V-ditch, which would be maintained by AMAFCA, would cost \$6.932 million to construct and \$27,000 a year to maintain the earthen V-ditch. Option 2, pipe along the Gun Club Lateral with a concrete V-ditch, would cost \$9.583 million to construct. AMAFCA would not maintain the ditch in this option. Option 3, pipe in the center of Coors Boulevard, would cost \$9.352 million to construct.



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He stated that staff recommended selection of Option 1. Maintenance of this portion of the Gun Club Lateral would be similar to the maintenance AMAFCA does on portions of the Corrales Main Canal, which serves as an outfall for the Piedras Marcadas Dam. AMAFCA has the tools, equipment, and expertise to maintain an earthen ditch, and no maintenance procedures will have to be modified.

Mr. Lovato noted that all three options will require AMAFCA to maintain the outfall pipe, so those maintenance costs were not included in the cost estimates.

In response to questions from Director Brown, Mr. Lovato stated that a letter received from the Middle Rio Grande Conservancy District last year indicated that AMAFCA accepting maintenance of a re-built earthen channel would be acceptable to them. The timetable would have Phase I of the project, connecting a pipe to Don Felipe Dam, beginning by the end of the year. Phase II would connect a pipe to McCoy Dam. Raymac Dam would be in Phase III of the project. Pipe would be put in the ground, mothballed during the irrigation season, then the connection completed the following winter.

Responding to a question from Director Thomson, Mr. Lovato confirmed that the Bureau of Reclamation (BOR) is familiar with this proposal. He expected them to approve this approach as the resulting modified ditch will be more efficient. He noted that the proposal also improves water quality by creating a linear detention pond uphill of the irrigation ditch, intercepting off-site flows.

In response to a question from Chairman Eichenberg, Mr. Lovato stated that Wilson and Company had created the initial cost estimates, which were verified and modified by Lynn Mazur, AMAFCA's Development Review Engineer, and himself. The maintenance agreement for this portion of the ditch would be very similar to the one for the portion of the Corrales Main Canal maintained by AMAFCA.

Director Brown stated that due to the increased efficiency of a new channel, the addition of the linear detention pond, and AMAFCA taking over maintenance of the new channel, there is an approximately \$500,000 in added present value to the MRGCD. Thus, he estimated Option 1 at the equivalent of \$7.5 million, versus \$9.5 million for the other options. As this is still a significant cost savings, he supported Option 1.

Chairman Eichenberg noted that the MRGCD would have a free ride on maintenance of this portion of the channel, at a savings to them of \$27,000 a year. He asked if there was a chance of negotiating the maintenance portion of the deal. Mr. Lovato stated that AMAFCA would be cleaning up trash and debris anyhow on their portion of the project. Director Hernandez stated



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that the linear pond would intercept a lot of trash and leaves which would otherwise enter the irrigation ditch.

Responding to questions from Director Thomson, Mr. Lovato stated that the next steps would be to take the design from 90% design to 100% design, and do a constructability review of the design. AMAFCA will complete the licensing process with the Bureau of Reclamation, which has already begun their technical review. He expected these steps to be completed within the next sixty days. He stated that he hoped that construction could begin right at the official end of the irrigation season this fall.

Director Lyon suggested that Mr. Lovato negotiate with the MRGCD, stating that the Board's position is that it would like to phase out AMAFCA maintenance of the re-built ditch, eventually returning it to the MRGCD. He opined that the ditch will be built with quality workmanship, and will be in at least as good or better condition after the project as it is in now.

Mr. Lovato stated that this was one of the items that was brought up in the MRGCD Board meeting when he met with them last year.

Director Thomson recommended the Board support moving forward with Option 1, and ask the Executive Engineer to express AMAFCA's appreciation to the MRCGD, and continue negotiations with the MRGCD regarding limiting the time period when AMAFCA is responsible for maintenance of the Gun Club Lateral. Director Brown stated that he would support such a motion.

Chairman Eichenberg and Director Hernandez noted that a motion was not needed. Chairman Eichenberg stated that staff had the Board's concurrence with pursuing Option 1.

b. Southwest Valley Flood Reduction Project Phase II Updates

Mr. Lovato had provided a copy of a letter from the Corps of Engineers regarding this matter.

Chairman Eichenberg called a brief recess at 11:34 a.m. The meeting resumed at 11:52 a.m.

15. Field Highlights

a. Construction Report

The memo from Mr. Wagener contained a summary of current construction projects. There were no questions.



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b. Field Report

Mr. Wagener gave a report of various projects and events over the past month, answering a number of questions from the Board during his presentation. Included were photos of a number of rain events in July and several repairs and emergency repairs with the City and NMDOT. Additional capacity will be needed in the Amole Dam, and the Board will be asked to approve increasing the pool size at a later date. The water from Amole Dam was drained through the Arenal Canal, and used for irrigation further downstream. A portion of the water was "wasted" from the Arenal Canal to the Isleta Drain to the Los Padillas Extension and to the Los Padillas Drain. Staff had marked the high water marks in the dams, and will have the monuments surveyed to find out the exact elevations of the high water marks. The repairs and emergency repairs made in the last few weeks, and those needed in the future, were discussed by the Board.

Director Lyon stated that he would like to commend Field Engineer Kurt Wagener, Maintenance Superintendent Herman Gabaldon, and the entire maintenance crew for their hard work during the emergency repairs after the recent rain events. Director Hernandez added his thanks to the staff for their hard work documenting rain events and inspecting facilities after the storms.

Director Lyon also noted that he had recently been driving behind two AMAFCA trucks, and he was impressed that they were extremely courteous drivers, obeying all traffic control devices.

Director Hernandez briefly left the meeting at 12:35 p.m.

16. AMAFCA Real Estate

a. Consideration of Approval of Quitclaim / Partial Release of Easement of Tijeras Arroyo in Juan Tabo Hills

Lynn Mazur, AMAFCA Development Review Engineer, stated that the Board approved a Turnkey Agreement for improvements on the Tijeras Arroyo to serve the Juan Tabo Hills Subdivision at the February 2013 meeting. Included in the agreement was quitclaim/partial release of an AMAFCA floodplain easement granted by plat in 1998. Staff was unaware of an additional piece of the easement that was being requested to be vacated on Juan Tabo Hills Unit 1, therefore it was not included in the previously approved Quitclaim Deed.

She noted that the easement is on a development called Volterra Subdivision, which will be mixed use commercial and residential development. It is protected from the Tijeras Arroyo by the Juan Tabo Boulevard bridge abutment. The bank protection which will be constructed with Unit 3b will provide further protection. After construction is completed, the owner will submit a Letter of Map Revision (LOMR) to FEMA to revise the 100-year floodplain. AMAFCA will



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hold the Quitclaim for recording until the LOMR has been received. She requested Board approval of the Quitclaim Deed/Partial Release of Easement.

Director Brown made a motion that the Board authorize the Chairman to execute the Quitclaim Deed/Partial Release of Easement on the Tijeras Arroyo. Director Lyon seconded the motion, which passed (4-0). Director Hernandez was absent at the time of the vote.

b. Erosion Damage to AMAFCA Facilities

Jeff Willis, AMAFCA's Real Estate Manager, briefed the Board on erosion and other property damage to AMAFCA facilities from the recent rainstorms. Generally, the damage was due to unauthorized offsite storm water runoff from adjacent private properties onto AMAFCA properties.

He stated that Grandma's Pond has had additional erosion from an adjacent property that is not licensed for direct drainage into the pond. The City has a drainage plan with the owner and has been contacted to help coordinate the repairs. There may be a need for a turnkey agreement with the property owner, for a licensed, properly engineered rundown.

Mr. Willis noted that Slick's Inlet at the South Diversion Channel received damage from storm water runoff from several properties. One is licensed to drain into the inlet, and the others are not. Staff is working to identify the other property owners to work out repair plans or new turnkey agreements.

He stated that the Calabacillas Arroyo received damage in two locations. One area is near the grade control 3b/3c construction site, and involved slope erosion from offsite runoff from private property which is currently being developed. There is an approved drainage plan with the City and AMAFCA has asked them to enforce the approved drainage plan.

Mr. Willis stated that the other area of the Calabacillas Arroyo experiencing erosion damage is across from Costco, where there was erosion from runoff from private property that was developed several years ago. The turnkey agreement was for a pipe outfall and one riprap rundown from the parking lot. There are several other unlicensed riprap rundowns as well as other areas that have erosion problems along the slopes. AMAFCA staff will be contacting the property owner to repair and/or establish a new turnkey agreement.

Director Hernandez returned to the meeting at 12:40 p.m.

Mr. Willis asked for Board direction regarding the planned course of action: seek repairs, possible new turnkey agreements, and enforcement of approved City and County drainage



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plans. If an agreement for repairs cannot be worked out between AMAFCA and the private property owner, the last resort would be to file a suit to obtain repayment for the damage repairs.

In response to a question from Director Brown, Mr. Lovato stated that the runoff from the property adjacent to Grandma's Pond was not supposed to go into the AMAFCA facility via an unlicensed riprap rundown – it was supposed to go to a temporary pond on a vacant lot to the east. That pond had been filled in at some point, and now runoff was going into the AMAFCA pond. This has been an ongoing issue for nearly two years, without resolution.

Director Brown stated he had no problem with giving the property owner notification, and if they do not take care of the problem, repairing it ourselves and getting reimbursement from the property owners.

Consensus of the Board was support of the proposed plan of action. Chairman Eichenberg requested that staff discuss cases with the AMAFCA attorney. Director Lyon cautioned that AMAFCA make sure that we have a solid case before taking it to court.

c. Public Access through AMAFCA Drainage Easements

Mr. Willis stated that AMAFCA has drainage easements all over the area, and has promoted multi-use of AMAFCA facilities wherever appropriate, usually for recreation access, trails, and similar uses. Most AMAFCA easements are usually granted for a specific use such as "drainage and maintenance." He suggested that the Board consider adding language to include "public access" where applicable, specifically where the easement led from one Open Space area to another, in future easements.

Director Hernandez pointed out that such easements might cost AMAFCA a little more, and there may be some resistance from some people, who might not like people walking behind their homes.

Mr. Willis stated that the new language would not be used except where there was a natural, wide corridor. Any proposed change would be run through the AMAFCA attorney before implementation. Staff wished to continue to exclude motorized vehicles, while allowing public access to pedestrians and those on bicycles and other non-motorized conveyances. He asked for Board direction.

In response to a question from Director Lyon about why he was suggesting the change, Mr. Willis stated that the change would be to make official the unwritten policy that, when appropriate, AMAFCA prefers to allow multi-use of its facilities. AMAFCA's current easements do not specifically allow AMAFCA the right to grant public access.



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Director Lyon spoke extensively on the law of easements and implied easements. He stated that AMAFCA's easements are under AMAFCA's control. AMAFCA can choose to request an open-ended easement that would allow it to use the easement for any purpose it chooses, and not list any specific uses (such as "drainage and maintenance") at all.

Director Hernandez stated that AMAFCA may want to change the easement language to make it more open, and more inclusive, because the way that AMAFCA is using its easements has matured and changed over time. He wanted to be certain that the public is allowed to use the AMAFCA right of way whenever possible.

Director Brown noted that AMAFCA only holds an easement on the Tanoan property where the Pino Dam and channel sit, rather than holding the land in fee simple. The dam and channel are within a private gated community. The dam and channel were constructed by Tanoan and the golf course, and most of the maintenance is done by them. This has created the precedent that, under certain circumstances, another party can control access to AMAFCA facilities. When AMAFCA owns the land in fee simple, it can be used for any purpose desired.

Director Thomson stated that he supported the general policy of allowing as much public access to AMAFCA right of way as is reasonable. He asked about liability issues.

Mr. Lovato stated that when AMAFCA right of way is licensed to another party for use, such as the City's license for the multi-use trail system, liability is also transferred to the City, via the license agreement. It is harder to transfer liability on an easement.

Chairman Eichenberg supported changing the easement language for future easements, and noted that the Board had concurrence on the issue.

Director Lyon suggested that the phrase "...and other purposes deemed proper by AMAFCA" could be added to the end of the easement declaration of purpose, where it states "drainage and maintenance."

In response to a question from Director Thomson, Mr. Lovato stated that although there was no official policy at this point, there were two resolutions regarding easements, and a number of contracts regarding public use. Before staff prepared any formal documentation, they wished to obtain concurrence, guidance, and direction from the Board.

Director Hernandez stated that he would prefer the Board pass a resolution regarding this matter, to put the policy in writing.

Chairman Eichenberg noted that along the Hahn Arroyo, where there is a drainage easement, the trail along the arroyo has been turned into a linear park complete with benches. A neighbor



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might be concerned about the park use of the easement. Mr. Lovato noted that the Hahn Arroyo was a special case, as the arroyo had been privately owned by Mr. Mossman, with the City of Albuquerque holding a drainage easement on the property. Once a warranty deed is obtained, it will be publicly owned fee right of way.

d. Estrella Subdivision by Mirehaven Arroyo – Briefing by Bohannan Huston, Inc.

Mr. Lovato introduced Garret Price, of the Pulte Group, and Craig Hoover of Bohannan Huston, Inc., their engineer.

Lynn Mazur, AMAFCA Development Review Engineer, stated that the Pulte Group planned a 285 acre Del Webb "Over 55" gated retirement community straddling the Mirehaven Arroyo. She stated that Pulte wanted to improve the Mirehaven Arroyo, but keep it private as a community amenity, and maintain fee ownership. Tiered maintenance would be used for the improved arroyo, as is used at High Desert. The proposal is that the homeowners association will take care of trash pickup and landscaping, with AMAFCA taking care of flood control and structural maintenance. They planned to phase in the arroyo improvements as various phases of their development are built out. They may also seek some AMAFCA funding.

Garret Price, Vice President of the Pulte Group, addressed the Board. He stated that Pulte Homes is a national homebuilder, with a 10 year local presence as Pulte Homes, and a 20 year local presence with their 2009 purchase of Centex Homes. They operate under three brands: Centex Homes are their entry-level homes; Pulte Homes are move-up, family oriented homes; and Del Webb is their premiere active adult "55+" gated independent living retirement community brand. Allegria, along the Bosque in Bernalillo, is another local Del Webb community which had started out as a Centex development. Housing for Older Persons Act (HOPA) guidelines apply to the Del Webb communities.

He noted that the current plan is for Pulte to purchase the 285 acre parcel along the Mirehaven Arroyo from the current owners in a series of six purchases. This would include the Mirehaven Arroyo, which is currently owned in fee simple by WALH (Western Albuquerque Land Holdings LLC). The property immediately north and south of the arroyo would be part of a gated Del Webb community. This would be about 550 units of the total development of 900 units.

He stated that current development plans do not include any public access to the Petroglyph National Monument along the Mirehaven Arroyo through the property. Pulte is concerned about public access being allowed through a gated community. He noted that their community recreation center will be located adjacent to the arroyo. He also stated that currently there is no



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public access easement along the Mirehaven Arroyo, as it is privately owned, with a temporary floodplain easement granted to AMAFCA by Westland in 2000.

Mr. Price stated that a condition of their Environmental Planning Commission (EPC) approval included access to the National Monument along the northern edge of the property, to the northwestern confluence of their property and the National Monument at the Mirehaven Arroyo. He stated that the Del Webb development would provide this paved trail along the northern portion of the property. The trail would be designed in a partnership between Del Webb, the National Park Service, and the City's Parks Department. This trail is now a part of their EPC conditional approval, would be built at Del Webb's cost, and maintained by the Del Webb Homeowner's Association.

Responding to a question from Director Brown, Mr. Price stated that if people are accessing the Monument from nearby neighborhoods now, they are using an informal gate located at the northern portion of the property and crossing across private property to do so.

In response to a question from Director Lyon about the details of the path around the northern boundary of the Del Webb property, Mr. Price stated that it will be a minimum of ten feet wide, paved with concrete, on the Del Webb property. Stepped stones will be used where the slope exceeds 3:1.

Responding to a question from Director Lyon about the views of the nearby neighborhood associations, Mr. Price stated that, through Consensus Planning, they had spoken to two neighborhood associations. The Westside Coalition still had concerns regarding the closure of the arroyo to public access. The Petroglyphs Neighborhood Association supported the proposed plan for the trail around the north side of the property.

Director Lyon recalled that a portion of the property was in a section where building heights were limited. Mr. Price stated that the northern part of the property fell within the Northwest Escarpment Plan, which limits house heights to 15 feet. This requirement was an effort to maintain the view of the Monument.

Responding to another question from Director Lyon, Mr. Price stated that the project will be graded in stages to attempt to avoid fugitive dust issues. They will also purchase the Mirehaven Arroyo all at once, so that they would not have to put in the improvements in stages.

In response to a question from Director Lyon about the "over 55" aspect of the Del Webb community, Director Brown stated that, according to HOPA, this meant that one person in the household needed to be 55 or over in 80% or more of the households. The other 20% of the households needed to have an individual 45 or over. Communities such as these are a great economic benefit to the area where they are located.



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Chairman Eichenberg noted that some conventional housing at the southern part of the property, not part of the gated community, would also not have direct access to the Mirehaven Arroyo and would have to go all the way around the Del Webb community to the north.

Mr. Price confirmed this, stating that this was primarily due to the National Parks. Pulte would have liked as many access points as possible. The National Parks wanted just one access point. Mr. Price stated that one of the goals of the community was interior trails and walkability, including the ability of children to walk to the new schools planned just south of this property. There was a possibility that the National Parks would consider allowing a second access point at the southwest edge of the property, due to the proximity to the Albuquerque Public Schools site and the possibility of educational opportunities.

Mr. Price noted that a survey of over a thousand customers and potential customers indicated they were overwhelmingly in favor of the Del Webb community being a gated community for safety and security reasons. Many of the homeowners would use these homes as second homes, and would not live there year-round.

Craig Hoover, the engineer on the project, stated that they were planning a naturalistic design concept for the arroyo, with a sinuous path. 100 year storm flows would be contained within the armored section of the channel. A series of check structures would be used to step down the arroyo, slow down flow and reduce sediment transport. Maintenance roads would be built on both sides of the arroyo. Scour protection would also be incorporated. It was undecided whether the approach used on the Calabacillas, to armor at the equilibrium slope then cover it, would be used, or if they would simply pre-grade the arroyo to the equilibrium slope levels. Low-flow would be diverted into landscaping node ponds where they would encourage native vegetation. Overflow would be diverted back into the arroyo. The ponds would also serve as water quality facilities. Floodplain would be confined to the arroyo.

In response to questions from Director Brown, Mr. Hoover stated that the existing slope on the arroyo is about 2.25%, with the equilibrium slope estimated at just under 1%. Twelve three-foot-tall check structures would be used to achieve this slope, control the flow, and reduce sediment transport. The improvements will be designed so that if they don't grade the arroyo to its ultimate equilibrium during construction, it will achieve that configuration through natural processes over time. This decision had not yet been made.

Responding to a question from Director Lyon, Mr. Hoover stated that Pulte was looking to the Board to find out if there was a possibility to cost-share the improvements with AMAFCA because it is a regional facility – it also drains non-Pulte lands upstream. Mr. Price added that originally Pulte had thought that they would handle the entire cost of the arroyo improvements



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themselves, but then Mr. Hoover mentioned the possibility of a cost-share with AMAFCA. The total cost of the drainage portion of the arroyo improvements would run about \$1-1.5 million.

In response to a question from Director Lyon, Mr. Hoover stated that a tiered maintenance plan would be in place. The lower levels of maintenance would be paid for through homeowner association dues.

Responding to a question from Director Brown, Mr. Hoover stated that the developed flow would be approximately 1500 cfs. He was not sure of the undeveloped flow.

Chairman Eichenberg, noting that the recreation center would be gated, and that there would be gates and walls all along the arroyo, asked why the arroyo could not be open to the public.

Mr. Price stated that they planned for socialization areas all along the Mirehaven Arroyo. There would be a high level of socialization-friendly landscaping, including small parks, bocce areas, and so on, along the arroyo. Their core constituency is concerned with safety and security, and don't want the trails to be open to the public. The exception would be the northern perimeter trail, outside of the gated section, which would provide public access to the National Monument. Where Del Webb has tried solutions such as the one proposed by Chairman Eichenberg, it had not worked out very well.

Chairman Eichenberg noted that City Open Space wanted public access to the Monument along the arroyo. Mr. Price countered that the National Park Service did not agree, and did not want public access along the arroyo. There had been a handshake agreement among the parties to see if additional Monument access could be made at the southwestern edge of the property.

Chairman Eichenberg directed Pulte to work with staff to resolve this issue. He noted that the Board would like more public access along the arroyo. The Board would like to see the development go in, but had public access concerns, especially if Pulte would be seeking to cost share the funding for the Mirehaven Arroyo improvements.

Director Hernandez noted that the Board had a general policy to make its facilities available for multi-use when practical – but also noted this policy supported general public multi-use, not private multi-use.

Director Brown stated that if a city has a leakage of retirees, there is a tremendous loss of wealth. A city which is a net importer of retirees gets a great economic benefit. Although the job market in Albuquerque has been flat for the last few years, the housing market has been gradually improving. The only growth in Albuquerque lately has been a slight, subtle increase in retirees moving to Albuquerque. This is helping to support our local economy. He stated he would like to see this retiree growth continue, and further improve.



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Both Director Brown and Chairman Eichenberg noted that the area is losing skilled construction workers, who are moving out of town. They opined that Albuquerque needs more construction jobs to keep those workers here.

Mr. Price stated that this community was planned to show the corporate office that there is a strong demand for Del Webb communities in New Mexico, not just in California and Arizona. The plan is for this to be the first of many such communities in the areas.

In response to a question from Director Lyon about a possible compromise, Mr. Price stated that an ungated Mirehaven Arroyo is a deal-killer, based on feedback they have received from current and potential customers in the western United States. They are also looking at property in Rio Rancho, and gave them the same feedback. The community cannot be built unless it is a gated community.

Director Lyon noted that the neighborhood association which preferred the northern perimeter trail was on that side of the property. The northern trail was closer for them. He also noted that ten feet wide would really only be wide enough for a walking trail. He asked if Pulte would consider widening the trail to accommodate bicycles as well. Mr. Price stated that a wider trail could be accommodated through land planning, but he did not know if the National Park Service would be amenable to the trail being used by bicycles as well as pedestrians.

17. AMAFCA FY 2014 Project Schedule – Review of Region 3

Brad Bingham, AMAFCA Drainage Engineer, briefed the Board on the proposed projects in Region 3 which staff and the Technical Team would like to see listed on the FY 2014 Project Schedule. Mr. Bingham had provided the information a week before the normal mailout date, and had also offered to brief the Board on any other projects in those areas that they would like to learn more about.

The memo explained the rating schedule, which takes into consideration the urgency and importance of each of the proposed projects, showed the location of each project, and explained the need for each of the projects. His memo stated that the FY 2014 Project Schedule will describe the projects in detail, in a format that can easily be used by Directors and others as project flyers, similar to that used for the FY 2012 Project Schedule.

Mr. Bingham's memo stated that four regions had been developed, to more evenly allocate projects within AMAFCA's jurisdiction. Region 3 was in the southwest mesa, south of Central, and the far southeast valley, south of the Tijeras Arroyo.



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His memo explained that new projects planned for this region included the Amole Dam Gravity Outlet, which will convert the outlet from gated to gravity; the Tijeras Arroyo Sediment Removal Facility; continued progress on Emergency Action Plan mapping for the existing AMAFCA dams and detention facilities; Pond 187, which is part of the larger Southwest Valley Flood Reduction Project; Black Mesa Storm Drain; and Snow Vista Channel Improvements.

Directors Hernandez and Lyon stated that they had been given a preview of the projects in the area and had no questions.

Mr. Bingham's memo concluded by covering the schedule for the final Project Schedule briefing. He stated that he would continue to provide all the documents early, so that they could be discussed at the Directors' convenience.

No Board action was required.

18. Unfinished Business

a. EPAT

Director Thomson stated that he would like an update on the progress of the Extreme Precipitation Analysis Tool (EPAT) discussions. He noted that some of AMAFCA's structures were built using the Probable Maximum Precipitation (PMP), which used old rainfall data. New data is now available and is used in EPAT. The Board supported further refinement and possible use of EPAT, although no funding had been committed yet. The New Mexico Watershed and Dam Owners Coalition had pledged \$50,000 toward the project. The Natural Resources Conservation Service, a federal agency, had some end of the year funding available which could be used towards this project if AMAFCA could act quickly. If the federal funding were applied, that could give EPAT some national credibility. He asked if this could be put on the August agenda.

Responding to a question from Chairman Eichenberg, Mr. Lovato stated that the cost of the further work on EPAT could be up to \$1 million depending on how far the study and testing was taken. The first step, to bring the tool up to date, is expected to cost \$100,000 to \$150,000.

Director Thomson noted that NRCS could provide \$20,000 towards this first phase. With the \$50,000 from NMWDOC, \$30,000 to \$50,000 from AMAFCA, and other possible funds from Bernalillo County and SSCAFCA, there could be enough money for the first phase of the work on EPAT. He noted that there was also a chance that the Elephant Butte Irrigation District would provide some funds towards this phase of the project. Director Thomson noted that the total project was estimated by Chuck Easterling at about \$500,000, but the first phase was only a portion of that total.



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Chairman Eichenberg stated he would put an EPAT update on the August agenda.

Director Thomson stated he would like to see the work on EPAT moving again. Obtaining funding from NRCS would convey federal approval on the tool. If AMAFCA is able to convince NRCS that EPAT is a good tool, there is a good chance of convincing FEMA and the Corps of Engineers also.

In response to a question from Director Hernandez, Director Thomson stated that the tool, once modified by this effort, could be used statewide.

b. Hydrologic Models

Director Thomson noted that he, the Executive Engineer, Chuck Easterling, Chuck Thomas, and others had started a dialog concerning the two different hydrologic models – AHYMO, which was used until a few years ago, and HecHMS, which is just beginning to be used. The feeling is that AHYMO is sufficiently limited and they would like to move to HecHMS. They discussed convening a high-level working group to harmonize the results given by the two different models. He requested that this also be put on the agenda in the next couple of months.

19. New Business

a. Electronic Mailout

Mr. Lovato had provided the Board with information regarding the option to obtain mailouts electronically, and information on the required equipment. Those interested were to get in touch with Mr. Lovato to make the arrangements. Mr. Lovato stated that the reason the specific product was chosen was due to the IT support provided by the vendor.

Director Hernandez stated that he might occasionally wish to have some items on paper, but in most cases, having the mailout provided electronically made more sense.

20. Adjourn

There being no further business to come before the Board, Chairman Eichenberg adjourned the meeting at 1:51 p.m.

Bruce M. Thomson, Secretary-Treasurer, 8/22/2013

Recorded by Pamela Woodruff, Executive Administrative Assistant