



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 1**

1. Call to Order and Roll Call

Chair Brown called the Regular Board Meeting to order at 10:30 a.m. Thursday, August 27, 2015. Roll was noted as follows:

Directors present:	Chair Ronald D. Brown Director Cynthia D. Borrego Director Tim Eichenberg Director Deborah L. Stover Director Bruce M. Thomson
Directors excused:	None
Attorney present:	Attorney Vanessa Chavez, Robles, Rael & Anaya
Others present:	Jerry M. Lovato, P.E., Executive Engineer Staff Other attendees on file at AMAFCA

A quorum was present.

2. Approval of Agenda

Director Thomson made a motion to approve the agenda. Director Borrego seconded the motion, which passed unanimously (5-0).

3. Meetings Scheduled

- a. **September 24, 2015, 10:00 a.m. – Regular Meeting**
- b. **October 22, 2015, 10:00 a.m. – Regular Meeting**
- c. **November 19, 2015, 10:00 a.m. – Regular Meeting**

Responding to a question from Director Borrego, Mr. Lovato stated that the December Board Meeting will be on December 17, 2015.

4. Items from the Floor/Public Comments

No one had signed up for Public Comment.



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 2**

5. Approval of Minutes

a. July 30, 2015 Regular Meeting

Director Borrego made a motion to approve the minutes. Director Thomson seconded the motion, which passed (5-0).

6. Financial Matters

a. Approval of July 2015 Expenditures

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the July 2015 Expenditures.

Responding to a question from Director Thomson, Mr. Chavez stated that the charges for the “Warehouse” are for items obtained from the CoA warehouse for goods such as gloves, shovels, brooms, etc. He further stated that CoA warehouse invoices are generally sent in late from the CoA and AMAFCA requested and received invoices for all charges in time for the year-end closeout.

Director Thomson made a motion to approve the July 2015 Expenditure Report. Director Borrego seconded the motion, which passed (5-0).

b. Bank Reconciliation Fiscal Agent Funds

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Bank Reconciliation Fiscal Agent Funds. No Board action was required. There were no questions.

c. Investment Report for July 2015

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Investment Report for July 2015. No Board action was required. There were no questions.

**d. Financial Position Recap July 16, 2015 through August 15, 2015 & Forecast
August 16, 2015 through September 15, 2015**

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Financial Position Recap and Forecast. There were no questions.

Director Eichenberg made a motion that the Board approve the Financial Forecast. Director Thomson seconded the motion, which passed (5-0).



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 3**

e. Removal of the Loader and Backhoe from Inventory

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, stated that the old loader and backhoe were considered part of the trade-in and are not part of the Official Finding. Responding to a question from Director Borrego, Mr. Lovato stated that the cumulative value of the used fleet is around \$10K. Mr. Kurt Wagener, AMAFCA Field Engineer, mentioned appraisals were done and the amounts received were in line with the appraised value. He further stated that Mr. Chavez had found a provision within the State Procurement Code that states appraisals are to be obtained for equipment that would be traded in. Responding to a question from Director Eichenberg, Mr. Wagener stated that the estimated amount received for the loader was approximately \$36K. The estimated amount received for the backhoe was \$32K. He further stated that 4Rivers had advised that there were two to three people interested in buying the loader from them.

Director Borrego made a motion that the Board approve deletion / removal of units 301 and 304 from AMAFCA's Capitalized Fixed Asset Inventory. Director Stover seconded the motion, which passed (5-0).

f. Official Finding to Delete Unit 207, 1991 GMC Lube Truck from Inventory

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, stated the 1991 GMC Lube Truck required repairs in which total costs were not economical to AMAFCA considering the age and condition of the truck. Mr. Lovato mentioned that recently the engine started to overheat. He further stated that upon closer examination, it was determined that the engine needed to be re-built. The estimate to rebuild the engine was over \$28K. Considering the age of the vehicle, the amount of hours on the engine, power take off, and getting a new backhoe and loader were more important to AMAFCA as opposed to purchasing a new fuel truck; AMAFCA converted the bed on one of the AMAFCA dump trucks. This truck is now used as a fuel truck. Unit 207, the 1991 GMC Lube Truck will no longer be used and AMAFCA is required to dispose of it. AMAFCA anticipates auctioning the vehicle and is not expecting a resale value of over \$5K. Responding to a question from Chair Brown, Mr. Chavez stated that if more than \$5K comes in, the required documents will be submitted to the State Department of Finance and Administration (DFA). Responding to a question from Director Thomson, Mr. Lovato stated that an appraisal can be done on the vehicle and it will be brought to the Board next month. Mr. Wagener mentioned that he had found Higdon Equipment Appraisals still listed in the phone book and gave them a call. The wife of the former owner (former AMAFCA Director Pat Higdon), sold the business to Mr. Hennig, who worked under Mr. Higdon. Mr. Wagener stated that the Mr. Hennig did not come out to AMAFCA to look at the units; the appraisal was done based on information and pictures provided by AMAFCA, as well as internet research on the same type of unit. The cost to appraise units 301 and 304 was \$900.00, plus NMGRT. He further stated that to appraise one unit the estimated cost would be around the \$450.00 range. Chair Brown requested staff get the appraisal and bring this item back next month.



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 4**

g. Consideration of Resolution 2015-09 – AMAFCA Budgetary Basis of Accounting change to Modified Accrual (GAAP)

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, stated the AMAFCA Budgetary Basis of Accounting change to a Modified Accrual (GAAP) was presented to the AMAFCA Board of Directors at the July 30, 2015 Board meeting. He further stated that the modified accrual basis is where the actual receipt or payment is not the determining factor as it depends on when the goods or services were received, when the revenue was earned, and available. This method also holds Management more accountable.

Director Borrego made a motion that the Board pass and adopt Resolution 2015-09, AMAFCA Budgetary Basis of Accounting change to a Modified Accrual (GAAP). Director Thomson seconded the motion, which passed (5-0), on a roll call vote.

7. Personnel and Salary Committee Recommendation

Director Thomson advised that the Personnel and Salary Committee (PSC), consisting of himself and Director Stover, had met a number of times. The topics of the meetings that took place with Mr. Jerry Lovato, AMAFCA Executive Engineer and Mr. Herman Chavez, AMAFCA Finance and Administration Manager, were a Cost of Living Allowance (COLA), Merit Increases, and review of the updated Employee Manual.

Below is the recap of each of the topics and the PSC recommendation:

COLA: Mr. Lovato and Mr. Chavez had presented a table showing that the US Consumer Price Index (CPI) had fallen by 0.3 percent and showed that other public agencies in New Mexico are giving COLAs ranging from zero percent to two percent. There were a number of years that AMAFCA employees did not receive a COLA.

The PSC recommended a one percent (1%) COLA in the FY-1016 Budget for AMAFCA employees.

Director Thomson made a motion that the Board approve a 1% COLA for employees, as recommended by the PSC. Director Stover seconded the motion, which passed (5-0), on a roll call vote.

Merit Increases: The PSC had a lengthy discussion of Merit Increases, which may range for zero percent to six percent, depending on each employee's performance. Mr. Lovato had advised the PSC that the total amount of funds attributed to merit increases cannot be determined until after employee evaluations are completed. Not only did the PSC feel that this introduces considerable uncertainty in AMAFCA's Budget, the PSC, based on their experience, felt that this practice is not consistent with how merit increases are budgeted at other agencies and private companies.



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 5**

The PSC recommended that the FY-2017 AMAFCA Budget include a specified amount of funds for merit increases that the Executive Engineer can utilize at his discretion.

AMAFCA Personnel Manual: A lengthy and comprehensive Draft Personnel Manual had been prepared. It covered employment policies, including standards of conduct, compensation and performance, benefits, and procedures. There were some minor changes that were recommended to be made on the Personnel Manual. The draft document is an excellent document and will significantly clarify the relationship and communication that employees have with AMAFCA and its management.

The PSC recommended that the minor changes that were recommended be made on the Personnel Manual and it be brought back to the Board for approval at the September Board meeting

8. Legal

a. Status Report

Attorney Vanessa Chavez stated that the memo pertained to various legal matters. Responding to a question from Director Thomson pertaining to Item 1 on the report, Ms. Chavez stated Legal was beginning Discovery for the condemnation of Pond 187. She further stated that there may be motions, appraisals, and depositions before the matter is final. The other party has not yet done anything in this case; however, Legal is moving forward so that the matter can be resolved.

b. Close Session Pending Litigation

Chair Brown advised that Item 8b was a Closed Session agenda item. Director Stover made a motion that the meeting be closed, pursuant to the Open Meetings Act, §10-15-1 NMSA 1978, Subsection H, to preserve the confidentiality of the information to be discussed, and as further described in *“The Open Meeting Act, A Compliance Guide for New Mexico Public Officials and Citizens,”* eighth edition, 2015, to discuss possible pending litigation. Director Borrego seconded the motion, which passed unanimously (5-0), on a roll call vote.

Chair Brown closed the meeting at 10:56 a.m. Mr. Lovato asked that Mr. Patrick Chavez, AMAFCA Storm Water Quality Engineer, remain for the closed session. Chair Brown asked for a motion to re-open the meeting at 11:44 a.m. Director Eichenberg made a motion that the meeting be re-opened. Director Borrego seconded the motion, which passed unanimously (5-0), on a roll call vote. Chair Brown stated that two potential litigation actions were discussed; however, no action was taken during the Closed Session.



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 6**

9. Executive Engineer's Report

a. Notification of Past Month's Activities

Mr. Jerry Lovato, AMAFCA Executive Engineer, highlighted significant activities of the past month:

- **Bernalillo County (BernCo) Sunset:** BernCo has completed the construction of the Goff Road drainage improvements between Isleta and Bridge Boulevard. Runoff is now collected and piped to the Sanchez Farm Pump Station. Staff has been meeting with Bern Co staff to discuss the Sunset Road project and a schedule that will remove floodplain by fully utilizing the Sanchez Farm Pump Station. BernCo is scoping the project to include floodplain removal just north of Bridge Boulevard south to Isleta Boulevard. BernCo will present to the Board at a future meeting a proposal to fund the project.

Mr. Lovato stated that Board had in their Board folders a letter from BernCo for both the Sunset Storm Drain Project and Garduno Road Storm Drain Project.

Floodplain Removal: With the signing of the Operations, Maintenance, Repair, Replacement, and Rehabilitation (OMRRR) at the June Board Meeting, Bern Co and AMAFCA staff are meeting to determine what is still needed before work can start on Letters of Map Revisions (LOMRs) to remove floodplain. Over the next few months individual and joint projects will be identified to include the necessary engineering and mapping needed to submit the LOMRs to Federal Emergency Management Agency (FEMA).

- **EPA, Urban Waters - Urban Waters Federal Partnership:** On August 11 and 12, 2015, EPA held a Climate Resilience charrette focusing on using green infrastructure (GI) and Low Impact Development (LID) as tools to help manage stormwater impacts. The Albuquerque charrette highlighted GI and LID that would work in the arid southwest climate. The focus of the charrette concerned how the new basin-wide MS4 stormwater permit, together with non-permittee agencies, companies, and NGOs could work together to improve storm water quality. One item that came out of the charrette was the fact that EPA understands now that in the arid southwest and Albuquerque, the use of LID on individual parcels of land can be done, but it is not efficient and it makes more sense to look at regional facilities. Regional facilities are large areas to hold and treat the water before it gets into the Rio Grande due to high intensity runoff. Directors Borrego and Stover attended the meeting.
- **City of Albuquerque – Multi-Use Trails:** AMAFCA staff has been working with CoA staff to find funding for a multi-use path along West I-40 between 98th Street and Unser.



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 7**

Mid Heights Drainage Issues: AMAFCA staff met again with CoA staff and staff from City Councilor Diane Gibson's Office, concerning flooding problems west of San Mateo and south of Constitution. AMAFCA's San Mateo to Moon Mini DMP work is continuing to be done east of San Mateo. The discussions were to address specific locations where ponding is currently occurring. It was made clear that AMAFCA will provide technical assistance when asked, but that the current problem areas that have been identified are due to capacity issues in the existing system at localized areas. Director Thomson stated that he met with Councilor Gibson a few times. She is concerned with the Pueblo Alto Subdivision that has approximately a dozen homes that are in the floodplain. At this time, there has not been flooding; however, it has come close. Councilor Gibson has been advised that this area falls under CoA's jurisdiction and they should take the lead; however, Councilor Gibson would like AMAFCA to take the lead. Director Borrego advised the La Mesa Neighborhood Association is in this area and she spoken with Councilor Gibson on this issue as well.

- **AMAFCA Vegetation Control:** AMAFCA has received many complaints both directly and through the 311 system. Weeds more than 4 inches in height or more than 4 inches wide are in violation of CoA's weed ordinance. AMAFCA is responsible for weeds on all properties, including the area from the fence line to curb. The AMAFCA maintenance crew is doing a very good job and working hard to address the complaints.

b. Notification of On-Call Services Task Orders

Mr. Lovato referred to his memo for the task orders that had been issued the prior month. There were no questions.

Consent Agenda:

Chair Brown stated that agenda items 10 through 14 were on the Consent Agenda. No items were moved from the Consent Agenda. There being no further items on the Consent Agenda, Director Thomson made a motion that the Board:

- Authorize the Executive Engineer to advertise a RFP for construction bids for the Pond 187 Outfall Project;
- Accept the recommendation of the Selection Advisory Committee and authorize the Executive Engineer to commence negotiations with Weston Solutions for the Tijeras Arroyo Sediment Reduction Structure;
- Authorize the Executive Engineer to advertise the Herring Property for lease;
- Authorize the Executive Engineer to advertise the Rutherford Property for lease; and
- Authorize the Executive Engineer to advertise the Pond 187 Property for lease.

Director Eichenberg seconded the motion, which passed (5-0).



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 8**

Regular Agenda:

15. Consideration of Resolution 2015-10 – Adoption of the 2015 Hazard Mitigation Plan

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that the referenced Resolution was presented to the AMAFCA Board of Directors at the July 30, 2015 Board meeting. The Board had directed staff to put together a Resolution for adoption at the August Board meeting. Chair Brown referred the Board to the explanation and Resolution. There were no questions.

Director Eichenberg made a motion that the Board pass and adopt Resolution 2015-10, the Bernalillo County/City of Albuquerque/Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)/Village of Los Ranchos de Albuquerque/Village of Tijeras Hazard Mitigation Plan. Director Thomson seconded the motion, which passed (5-0), on a roll call vote.

16. Consideration of Resolution 2015-11 – Ad Valorem Tax Levy for Tax Year 2015, Applicable to General Operating Fund

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, introduced Mr. John Archuleta with George K. Baum and Company. Mr. Archuleta passed out a handout to the Board. Since the Board did not receive the information in advance of the handout, Mr. Archuleta was requested to go over the handout page by page.

The presentation covered the following: Historical Assessed Valuations, Percent change, History of AMAFCA Tax Rates for Operational Tax Rates, Debt Service and Total Tax Rates for Residential and Non-Residential, Bernalillo County Tax Collections since 2005, Bond Program 2006 through 2014 Elections.

There is a teleconference call with AMAFCA staff and local government division staff on August 28, 2015, to discuss Residential and Non-Residential rates for the Operational Levy. There was a brief discussion regarding how AMAFCA always is being urged to raise the rates.

Responding to a question from Chair Brown on the current outstanding balance on the Bond Program, Mr. Archuleta confirmed it is \$51M and change, which includes principle and interest payments. There is currently \$25M authorized, with a cap of \$80M in principle.

Responding to a request from Director Eichenberg, Mr. Archuleta stated that in the future, George K. Baum will note on the reports where the information listed is being taken from. Director Borrego agreed with the request.

Director Eichenberg made a motion that the Board pass and adopt Resolution 2015-11, the Ad Valorem Tax Levy for Tax Year 2015, Applicable to General Operating Fund. Director Thomson seconded the motion, which passed (5-0), on a roll call vote.



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 9**

17. Consideration of Resolution 2015-12 – Ad Valorem Tax Levy for Tax Year 2015, Applicable to Debt Service Fund

There was no need for a presentation.

Director Eichenberg made a motion that the Board pass and adopt Resolution 2015-12, the Ad Valorem Tax Levy for Tax Year 2015, Applicable to Debt Service Fund. Director Thomson seconded the motion, which passed (5-0), on a roll call vote.

18. Garduño Road Storm Drain Project

a. Garduño Road Storm Drain Project – Re-Consideration of the 2008 Agreement with Bernalillo County and the Village of Los Ranchos

Ms. Lynn Mazur, AMAFCA Development Review Engineer, stated that at the last July Board meeting, the Board approved bringing the Garduño Road Storm Drain Project back for consideration. BernCo had requested that the 2008 funding agreement between BernCo, the Village of Los Ranchos (VoLR), and AMAFCA be modified and / or voided. The original agreement was attached to the Board memo in their mailout. She further stated that at this time, AMAFCA does not know if VoLR will want to be a party to the agreement. Ms. Mazur covered the VoLR area that was to be served by the agreement with Garduño Road west of 4th Street.

Ms. Mazur stated the 2008 agreement is still in effect. AMAFCA agreed to fund \$2M for a drainage report, drainage system design, property acquisition, and construction of drainage facilities in the drainage corridor. She referred the Board to their mailout on the current funding numbers. Ms. Mazur further stated that \$75K of the \$2M was paid to VoLR for the drainage report and preliminary design.

The FY-2010 Project Schedule added the Ortega Road Storm Drain connection in the Garduño Road Storm Drain project and added a new project for the North Fourth Street Storm Drain. These projects will alleviate more local flooding problems and remove FEMA floodplain on Garduño Road east of 4th Street and Ortega Road. Ms. Mazur covered the current floodplain mapping of the area for the Board. She stated there are a number of residents in the floodplain.

BernCo has offered to take over management of the Garduño Road Storm Drain Project and to draft a new agreement. Ms. Mazur stated she had received the agreement earlier in the week. Staff requested direction from the Board on how to proceed with the agreement. Ms. Mazur introduced Mr. Roger Paul and Mr. Nolan Bennett with BernCo.

Responding to a question from Chair Brown on the funding, Mr. Lovato stated that the Board had a letter from BernCo stating that BernCo would take the lead on the project, and the funding would be the same. Chair Brown thanked Mr. Paul and BernCo for stepping up to take care of the



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 10**

project. Mr. Paul stated that BernCo was concerned that the project had been delayed for so long. BernCo had included Parks and Recreation's Bond money in anticipation of this project. BernCo and AMAFCA looked at the old agreement and there are many items that have changed. It did not seem prudent to carry-on with the old agreement due to all the changes that would be needed, so it was decided to draft a new agreement to include some alternatives. Responding to a question from Director Thomson, Mr. Lovato stated that if the Board chose to terminate the old agreement, the VoLR would be notified that the agreement would no longer be valid. At that time a new agreement will be drafted and presented to the Board for approval. Responding to a question from Director Eichenberg, Mr. Paul responded the \$2M funding amount would be the same, along with BernCo funding from a previous bond cycle for the project. Mr. Bennett stated that the lack of consensus on moving the design forward with the VoLR were issues within the existing agreement and it was believed that a new agreement would move the project forward. Chair Brown suggested that the Board agree to cancel the previous agreement. AMAFCA will contribute; however, with respect to the dollar amount, an overall plan with costs would need to be presented. Responding to a question from Director Borrego, Mr. Bennett stated that in the 2008 agreement, land for a ponding area was to be purchased; however, all entities were not in agreement with where it would be and who would purchase. With a new agreement there will be new alternatives, the possibility of more dollars saved, and more infrastructures could be put in place. It was agreed that BernCo is well versed in handling this type of project. Chair Brown thanked BernCo once again for taking on this project.

b. Garduño / Ortega Storm Drain Project – Briefing by Bernalillo County

BernCo did not have anything to present to the Board at this time.

19. Field Highlights

a. Field Report

Mr. Wagener gave a report on various projects and events over the past month. The slides opened with a picture of a hawk at the North Diversion Channel Bathtub, a hot air balloon near the Piedras Marcadas Dam, a couple of slides of vegetation removal at the Los Padillas Spillway Diversion, as well as various pictures of access control at the same site. Multiple slides of AMAFCA crew vegetation removal at the Ladera Channel and Dams, as well as Pond 187, along with the various types of equipment used to do the vegetation removal. A few pictures of AMAFCA crew cleaning the NDC/Embudo Underdrain System and access control at Raymac Dam. AMAFCA crew at the Amole Dam Lock out/tag out. AMAFCA crew erosion repair on Calabacillas and West I-40 Channel. Various slides of Graffiti Control: CoA vehicle at 7-Bar, paint in the Embudo CBC (AMAFCA helps to furnish paint to CoA for graffiti removal – pending budget). Multiple pictures of Pond 187A and the Westside Boulevard Widening projects. Various slides of the Agency and Area-Wide 2014-15 floor overly of the North Diversion Channel project and the Piedras Marcadas Dam Water Quality Structures. A picture at the SDC Baffle Autosampler where there were wasps



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 11**

nesting. A video of the Storm Water Quality Team Kiosk (computer can be stored in the cabinet), and closed with a picture of the SUV that launched off Carlisle and ended up in the Embudo Channel on August 6, 2015.

Responding to a question from Chair Brown about the floor overlay, Mr. Wagener stated that the underdrain system is put in so that any water between the new and old slab goes into the underdrain system, into a pipe, and into the channel. The existing channel lining is not tied into the new slab that is placed above it, the old slab acts basically as mud slab.

b. Construction Report

Mr. Wagener and Chair Brown referred to the July Construction Report, which contained a summary of current construction projects. There were no questions.

20. Calabacillas West Branch DMP – Project Update

Mr. Bradley Bingham, AMAFCA Drainage Engineer, stated that Ms. Alandren Etlantus with Bohannon Huston, Inc. (BHI) and Mr. Kyle Shour with Tetra Tech were present to help with the presentation.

Mr. Bingham showed the location on the aerial. He stated that in 1999, Mussetter Engineering analyzed the West Branch as well as the North Branch of the Calabacillas. The AHYMO program was used and development estimated to occur up to 2036 was utilized. In 1999, the area was analyzed for Swinburne Dam which received about 4,900 cubic feet per second (cfs) water in the developed condition scenario with a density of 3-5 dwelling units/acre. The current analysis, based on HEC-HMS, indicate that Swinburne Dam will get about 7,200 cfs.

The Paseo del Volcan diversion was identified in the Quail Ranch Plan and Boca Negra DMP. The Phase 1 plan for the Dam for Quail Ranch assumed the diversion would be there along with a 75 acre foot pond. Also, included in the proposal was a five-year storm frequency retention in the Dam.

At the February 2015 Board meeting, the Paseo del Volcan Diversion was deemed not economically feasible or necessary for downstream system capacity and was subsequently removed from consideration in the Calabacillas West Branch DMP. Therefore, approximately two square miles of developed runoff that was to be diverted out of the West Branch must now be managed within the watershed.

Ms. Alandren Etlantus stated that the average units/acre was 4 in the earlier study. The current master plan zoning is 5-7 dwelling units/acre (an increase of 50-70%), such as in the Ventana Ranch Area.



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 12**

Responding to a comment from Chair Brown regarding a 5-7 units/acre being a much higher number than what is realistic, Mr. Bingham stated that Ventana Ranch was done at 5-7 unit acres and they took into account that lots are larger, backyards are smaller, and they maximized the building pad.

Mr. Kyle Shour stated that the existing HEC-HMS model had been expanded up to approximately two miles. Taking the new hydrology numbers a new hydraulic model was reran. The goal of the model is to develop a set of prudent lines outside of which development can be reasonably done. The prudent line is defined for the 100-year floodplain, as well as channel migration and bank erosion. Some early transport numbers show that sediment loads are decreasing out of the arroyo as a result of degradation in the arroyo since 1999. Responding to a question from Chair Brown, Mr. Bingham stated the flow has a lower velocity since the channel is flatter.

Responding to a question from Chair Brown on the scarred area, Mr. Bingham stated that that area is most likely the excavated dirt from the five year volume flow that was used for the Trails subdivision. The rest was most likely excavation as well. Mr. Lovato confirmed that the objective is to reduce the sediment into Swinburne Dam and the river, as well as discharging the 100-year storm flowing out of Swinburne. He further stated that in the future there is a Water Quality Structure planned for the Swinburne Dam. The current count of grade control structures is 29 from Swinburne Dam down to the Rio Grande. Responding to a question from Director Thomson on the size of the Quail Ranch Pond, Mr. Bingham stated it is currently 75 acre feet and if using the same discharge will be 140-150 acre feet.

21. West I-40 Diversion Channel Phase IV – Project Update

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that Mr. Dan Aguirre with Wilson and Company was present to help with the presentation.

A brief recap of the presentation is as follows:

The project will replace the temporary, mile-long, earthen channel along the north side of I-40 with a 5,000 to 5,200 linear split, concrete-lined channel. It ties into La Presa, which is an existing AMAFCA facility. It is the last piece of the West I-40 Diversion with BernCo, CoA, and New Mexico Department of Transportation (NMDOT). During the June Board meeting, the Board instructed staff to include an amenity to the neighborhood and to make the design of the structure itself so that it becomes an asset to the adjoining neighborhoods and a focal point for west bound I-40 traffic.

A 65% design had been completed by Wilson and Company and has been submitted to the CoA Design Review Committee. The current design includes using shotcrete, with tinted concrete, similar to the Tower Sage Pond spillway (constructed by AMAFCA and given to the City), to form a man-made volcano structure which will mimic lava flows. This structure will increase dissolved



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 13**

oxygen, expand an existing ponding area, and allow for the installation of a bike trail adjacent to the neighborhood. Mr. Lovato covered the current sediment trap, existing neighborhood, the planned bike trail which CoA has indicated they will provide additional funding for the design and construction of, the existing storm drain that will be tied into the channel, adding water quality into the structures.

Responding to a question from Director Stover on who came up with the plan to do a volcano at the site, Mr. Aguirre stated it was a team effort; however, Mr. Kevin Troutman, AMAFCA GIS Manager, was the person responsible for bringing it up.

22. AMAFCA CY 16 Project Schedule – Review of Area 4

Mr. Bradley L. Bingham, AMAFCA Drainage Engineer, presented information on a few of the projects that might be included in the FY-2016 Project Schedule for Area 4.

A summary is as follows:

The area includes is in the north valley, mid valley, and a portion of the SE valley north of the Tijeras Arroyo.

The possible projects: Karsten Area Restudy, Barelás Pump Station Outfall Water Quality Facility, South 2nd Street Drainage from the SDC to Prosperity, Railyard Water Quality Facility, North 4th Street Storm Drain, and the Rio Bravo Storm Drain.

The total funding estimated to construct all projects in Area 4 exceeds \$121M. The breakdown is as follows:

Drainage Deficiencies in existing neighborhoods	69%	\$83.5 M
Rehab of Existing Flood Control Facilities	16%	\$19.6 M
Master Planned Drainage Facilities	9%	\$11.0 M
SWQ Projects, retrofits, and new projects	5%	\$6.9 M

Responding to a question from Director Thomson on whether the Pueblo Alto area is included, Mr. Bingham responded that the area had been included in the San Mateo to Moon Mini Drainage Management Plan. AMAFCA had specifically asked the consultant to see what flows are in the floodplain in this area.

Mr. Lovato mentioned that at the September Board meeting will show the whole write up and any projects that are a priority will be highlighted. In October, the spreadsheet of 80 or so projects will be provided. In November the final draft Project Schedule spreadsheet will be done.

Responding to a question from Director Thomson on the amount of projects that will be funded in the Project Schedule, Mr. Bingham stated that the dollar amount will vary depending on the



**Albuquerque Metropolitan
Arroyo Flood Control Authority
Regular Meeting Minutes
August 27, 2015
Page 14**

budgets. He further stated that one big project can take up a considerable amount of the budget, which would limit other big projects from being built. Approximately \$390M is the total project cost.

23. Unfinished Business

Chair Brown referred to Resolution 2016-13. Director Thomson made a motion that the Board pass and adopt Resolution 2015-13, the renaming of the Los Padillas Spillway Diversion to the Danny's Diversion. Director Eichenberg seconded the motion, which passed (5-0), on a roll call vote.

Director Eichenberg asked that the Resolution be read aloud. Chair Brown read Resolution 2015-13 for the record as follows: Whereas, Danny Hernandez served for sixteen (16) years on the Albuquerque Metropolitan Arroyo Flood Control Authority's Board of Directors; and whereas, Mr. Hernandez's tireless efforts to include public involvement in the evaluation of AMAFCA Projects resulted in multi-use opportunities within the AMAFCA network of flood control dams, diversions, and channels, plus comprehensive plans for future projects; and whereas, Mr. Hernandez's tireless efforts representing District One led to the creation of Valle de Oro, the first Urban Wildlife Refuge in the Southwest United States; and whereas, Greater Albuquerque is a better place to live because of Mr. Hernandez's vision and dedication. Now, therefore, be it resolved by the Board of Directors of the Albuquerque Metropolitan Arroyo Flood Control Authority: The Southwest Valley Flood Damage Reduction Project's Los Padillas Spillway Diversion shall hereafter be known as Danny's Diversion. Passed, adopted, and signed this 27th day of August 2015.

24. New Business

None.

21. Adjourn

There being no further business to come before the Board, Chair Brown adjourned the meeting at 1:30 p.m.

Tim Eichenberg, Secretary-Treasurer, 9/24/15

Recorded by Guylene Harris, Executive Administrative Assistant