



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

Chair Thomson called the Regular Board Meeting to order at 10:01 a.m. Thursday, August 25, 2016. Roll was noted as follows:

Directors present:	Chair Bruce M. Thomson Director Cynthia D. Borrego Director Ronald D. Brown Director Deborah L. Stover
Directors excused:	Director Tim Eichenberg
Attorney present:	Attorney Randy Autio, 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

Mr. Jerry Lovato, AMAFCA Executive Engineer, asked that **Item 21 a. Executive Engineer's Evaluation**, be deferred until the September Board meeting. The Personnel and Salary Committee was not able to meet with Mr. Lovato for this agenda item. Director Borrego asked that a moment of silence be observed by the Board in honor of the brutal murder of 10-year old Victoria Martens.

Director Brown made a motion to approve the agenda, as amended. Director Stover seconded the motion, which passed unanimously (4-0).

3. Meetings Scheduled

- a. September 22, 2016, 10:00 a.m. – Regular Meeting**
- b. October 27, 2016, 10:00 a.m. – Regular Meeting**
- c. November 17, 2016, 10:00 a.m. – Regular Meeting**

Director Borrego stated she might have a conflict with the September 22, 2016 meeting since there is a possibility she will be out of town. There were no changes to the meeting dates listed.



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4. Items from the Floor/Public Comments

No one had signed up for Public Comment. A moment of silence took place to honor 10-year old Victoria Martens. Mr. Jerry Lovato, AMAFCA Executive Engineer, introduced AMAFCA's new Field Engineer, Mr. Nolan Bennett. Mr. Bennett addressed the Board, summarizing his background and experience. The Board and AMAFCA staff heard many good remarks about Mr. Bennett. The Board welcomed Mr. Bennett.

5. Approval of Minutes

a. July 28, 2016

Chair Thomson asked for some minor changes. Page 3, under **Items from the Floor/Public Comments**, where the Interstate Stream Commission is listed, the remainder of the sentence should read, the Interstate Stream Commission is concerned because AMAFCA does not have rights to the water that is left standing. He further stated there was no formal expression of disagreement made by the ISC. Mr. Lovato stated that was a fair assessment. Page 8, **Southern Sandoval Country Flood Control Authority (SSCAFCA)**, second bullet should read, Chair Thomson and Mr. Lovato met with the SSCAFCA Executive Engineer and SSCAFCA Board Chair to discuss issues affecting both agencies.

Director Borrego made a motion to approve the minutes of July 28, 2016, as amended. Director Brown seconded the motion, which passed (4-0).

6. Financial Matters

a. FY 17 Budget to Actual

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the FY 17 Budget to Actual. The analysis breakdown is reflected on the memo. Responding to a question from Chair Thomson, Mr. Chavez stated that the Title for the FY Actual Year to Date on the Expenses by Category graph is FY 17 and not FY 16.

b. AMAFCA Cash & Investments

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, referred the Board to the schedule. He pointed out that Pond 187 and Garduño / Ortega road show zero balances. The money had been de-committed since the jobs are complete and / or removed by agreement. There were no questions.



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c. Approval of July 2016 Expenditures

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the July 2016 Expenditure report. There were no questions.

Director Brown made a motion to approve the July 2016 Expenditure Report. Director Stover seconded the motion, which passed (4-0).

d. Financial Position Recap July 16, 2016 through August 15, 2016 & Forecast August 16, 2016 through September 15, 2016

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Financial Position Recap and Forecast. He stated that the forecast had included frontloading the General Administrative costs with insurance and memberships that were due at the beginning of the fiscal year. The Construction Forecast is a little lower than expected and Planning Engineering and R&D did not incur any costs; this was due to the lack of invoices being submitted in time. Responding to a question from Director Borrego, Mr. Chavez walked the Board through the Tax Collection Actual and Forecast report.

Director Brown made a motion that the Board approve the Financial Forecast. Director Stover seconded the motion, which passed (4-0).

e. Fiscal Agent Funds – Proof of Cash and Savings

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Fiscal Agent Funds. He pointed out that the Storm Water Quality CMC is a new account that had been added to the very bottom of the report. AMAFCA is the Fiscal Agent for the Compliance Monitoring Cooperative (CMC) and will open a bank account in the near future. There were no questions.

7. Legal

a. Status Report

Attorney Randy Autio stated that the preceding month had been a quiet one and there were no major issues. He advised that the pending condemnation case will have mediation in early October. This will be a closed session item for the Board. He further stated that former Judge Bill Lang would be the mediator. Mr. Lovato suggested having the closed session at the end of the Board meeting, so the audience does not need to wait for the Board to reconvene for the remaining Board items. The Board concurred.



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8. Executive Engineer's Report

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

- **City of Albuquerque - Hahn Arroyo:** There is a need to rebuild a section of the Hahn Arroyo. Mr. Kurt Wagener, AMAFCA Field Engineer, with CoA and Smith Engineering completed a condition survey of the facility, on August 16, 2016. Their report estimated over \$1M in repairs are needed on the Hahn Arroyo and the North Hahn Arroyo. Due to the current condition of the Hahn system, CoA staff had moved the CIP funding for the Hahn Arroyo into the Agency and Area-Wide Project and directed AMAFCA staff to include the Hahn repairs in the next contract. AMAFCA will invoice the CoA up to \$1M for the Agency and Area-Wide contract to do repairs in the Hahn Arroyo system. The amount will depend on the final design and the amount of work approved by CoA staff. The channel is in bad shape and is close to the end of its design life. It will be possible to get another 10 years out of the Hahn Arroyo system with the needed rehabilitation. Responding to a question from Chair Thomson, Mr. Lovato stated that AMAFCA will be the construction manager, but would have no funds in the project. CoA will pay for the task as part of a major component on the next Agency and Area-Wide Contract. Mr. Wagener stated that the work needed would be for rehabilitation versus repairs, due to the funding source.

- **Kirtland Air Force Base (KAFB) - Drainage at Gibson and Louisiana:** Two weeks ago, there was a meeting to discuss the future planning on KAFB. Mr. Lovato received a copy of the document, which supports the location of a pond to alleviate flooding at Gibson and Louisiana. KAFB is open to work with AMAFCA, which had not been the case in 20+ years. Colonel Eric Froehlich is moving forward with the KAFB planning document. After talking with AMAFCA about the pond, KAFB came up with design that will include the pond as part of the security measures associated with the relocated Gibson Gate. The pond would add additional security at the Gibson Gate for entry into the base. The pond will have a volume of 30-40 acre-feet and could be deep in some locations. AMAFCA will only be responsible for constructing the pond, not the road around the pond. Responding to a question from Director Brown, Mr. Lovato stated that the pond that CoA built upstream would not be replaced, but enhanced and feed into the new pond. He further stated during a storm the PX gets flooded and 550 cfs ends up at the gate. AMAFCA encouraged KAFB to let AMAFCA work out the logistics so that the flows into the San Mateo storm drain could be reduced, which will stop some of the flooding north of Central and West of San Mateo. This is also referenced in the San Mateo to Moon Mini Drainage Management Plan (DMP). Responding to questions from Director Brown, Mr. Lovato stated that the new loop road along the north side of KAFB



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might include a flyover at Wyoming. The anticipated cost for just the roadwork for the loop road will be \$45M-\$50M. Responding to a question from Director Brown, Mr. Lovato stated that anytime flows can be taken out of the area and drained to the north in a controlled manner it will free up capacity in the storm drains in Central Avenue. Chair Thomson stated there is a concern with timing when they realign the Gibson Road. Every time it rains, there are complaints from Siesta Hills. Mr. Lovato stated that the plan is to build a temporary pond before the next monsoon season. The Board concurred that AMAFCA should move ahead and not delay building a temporary pond while KAFB works on their long term plans. Responding to a question from Director Borrego, Mr. Lovato stated that there is a new Maxwell housing unit that has nothing to do with drainage in the KAFB document. There is also a plan to move the National Guard Unit from Santa Fe to the same area. Responding to a question from Chair Thomson, Mr. Lovato stated that agreement has not been done, but AMAFCA, KAFB, CoA, and Bernalillo County (BernCo) might share in funding the project. Responding to a question from Chair Thomson, Mr. Lovato stated that KAFB is giving 30-acre feet, which is listed in the KAFB document, as opposed to the 60-acre feet originally asked for. KAFB is on board and is working on the relationship; therefore, they incorporated the pond into the document. Responding to a question from Director Brown, Mr. Lovato stated that Mr. Bradley Bingham, AMAFCA Drainage Engineer, is working on the scope for moving storm flows to the south. Mr. Bingham stated that flows would be piped from Pennsylvania down to Tijeras arroyo, which is 1 3/4 of a mile long, running past the end of the KAFB runway, and some form of underground structures. Cost estimates will be forth coming for all alternatives. Responding to a question from Chair Thomson, Mr. Bingham stated that there will be an upgrade at Ridgecrest crest or another alternative would be a north pond enlargement, which might take out housing or the PX, or some other alternative. Responding to a question from Chair Thomson, Mr. Bingham stated the south pond would discharge approximately 30 cubic feet per second (cfs); the north pond is already discharging 60 cfs. It is anticipated all water will flow into the pipe and not flow on the surface. Mr. Lovato stated that AMAFCA completed the request forms needed to gain access to KAFB. Right of entry is expected in the next two weeks. AMAFCA will start the National Environmental Policy Act (NEPA) process soon. AMAFCA will start the biological assessment of the site once right of entry is granted by KAFB. AMAFCA is confident that the NEPA process will be reduced by a year if AMAFCA manages the work. If KAFB does it themselves it will take approximately two years.

- **Tijeras Arroyo - MUDD Volleyball:** The sponsors of the MUDD Volleyball Event that supports the Carrie Tingley Hospital Foundation had contacted AMAFCA regarding a joint use of the Tijeras Arroyo Water Quality Structure and the surrounding area for future events. Mr. Kevin Troutman is working on the water quality structure in the Tijeras



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Arroyo Sediment Retention Structure in the area. This annual event takes place every year. The current location at Rio Bravo and 2nd Street might be sold soon. This will be similar to the Balloon Fiesta license; however, it would be for an annual one-time event.

- **AMAFCA - Vegetation Control:** There has been more rain so more mowing is taking place. The crew has been doing a great job keeping AMAFCA facilities working; however, it is anticipated that there might be a growth spurt at the end of the month that may result in complaints. The crew will get to complaints as soon as they can.
- *Trespasses on AMAFCA rights of way:* There has been an increase of campsites on AMAFCA facilities. AMAFCA has taken an aggressive approach concerning this issue and removing campers as quickly as possible. Some of the things associated with people camping on the right-of-ways tie into the annual report to the Environmental Protection Agency (EPA).
- **Public Outreach**

EXPO New Mexico Parade - The parade is on September 10. The AMAFCA Board were invited to attend.

Middle Rio Grande Council of Governments (MRCOG) – AMAFCA received word the Southwest Valley Flood Damage Reduction Project Phase II won a Public Partnership Award that will be presented at the annual meeting in September. AMAFCA will be purchasing two tables. Information will be provided once received.

Southwest Valley Flood Damage Reduction Project Phase II - A ribbon cutting for the project has been set for September 20, 2016 at 10:00 a.m. at Pond 187. Director Stover would like to rename the pond. Bernalillo County, US Army Corps of Engineers, Albuquerque Public Schools, and the Middle Rio Grande Conservancy District were all involved in the project and will be invited.

b. Notification of On-Call Services Task Orders

Mr. Lovato referred to his memo for task orders that had been issued the prior month. Responding to a question from Chair Thomson, Mr. Troutman stated that since AMAFCA has purchased a drone the need for aerial photography would go down; however, there is still a need for the on-call contract. Mr. Lovato stated that AMAFCA would not be able to fly the drone legally above 400 feet.



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c. Notification of Out of State Travel – Consideration for Approval of Travel to Denver, Colorado

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that he was requesting, after the fact approval, for travel to Denver, CO. Mr. Bradley Bingham and Mr. Kevin Troutman had attended the CO-NM Regional Extreme Precipitation Study. This was a joint venture between the states of Colorado and New Mexico, which is looking at extreme precipitation (rainfall) for dam safety concerns. Both staff members felt that it would benefit AMAFCA and the greater community to stay involved in the project and requested that Board help fund a portion so that AMAFCA can have a seat at the table. Referring to a request from Chair Thomson on the Federal Emergency Regulatory Commission (FERC) process, Mr. Lovato stated that the FERC process would be discussed at the third meeting on the published meeting schedule. There will be meetings in New Mexico and AMAFCA had offered the AMAFCA office for a future meeting location. There was a brief discussion regarding information on the published list brought back from the workshop, which had been provided to the Board. Responding to a question from Director Brown, Mr. Lovato stated that AMAFCA would be asking the Board to approve out of state travel next month for the October Workshop. He would like to see the agenda before he decides how many staff members to send. Responding to a question from Chair Thomson, Mr. Lovato stated that New Mexico's portion of the CO-NM EPAT study is estimated at \$750K. He further stated at a previous Board meeting, the possibility of a \$50K grant was discussed. The grant would help to ensure AMAFCA had a seat at the table. The Board wanted to hold off putting money into the project and advised that since AMAFCA is part of the Dam Owners Coalition, they should speak for AMAFCA. It was the Board's intention to not step on any toes by doing a \$50K grant directly from AMAFCA. Responding to a request from Chair Thomson, Mr. Lovato stated he would plan to bring more information to the Board next month, along with a request to fund \$50K.

Director Brown made a motion that the Board authorize out of state travel and expenses for two staff members to attend the Extreme Precipitation Tool Workshop in Denver, Colorado, not to exceed \$1,700.00, pursuant to Resolution 1998-16. Director Stover seconded the motion, which passed (4-0).

Consent Agenda:

Chair Thomson stated that agenda Items 9 through 12 were on the Consent Agenda. Director Brown made a motion that the Board:

- Approve reappointment of the five existing members of the Technical Standards Committee as listed above, for an additional three-year term through July 31, 2019;
- Authorize out of state travel and expenses for the AMAFCA Storm Water Quality



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Engineer to attend the EPA Region 6 Stormwater Conference in Oklahoma City, Oklahoma, October 1 – 6, 2016, not to exceed \$2,410.00;

- Approve the Agreement to provide Engineering Services for the Boca Negra DMP Update with Bohannon Huston, Inc., and authorize the Chairman to execute same on behalf of AMAFCA; and
- Authorize the Executive Engineer to advertise Request for Proposals for Agency and Area-Wide Flood Control Maintenance Design and Construction Management Services Contract 2016-2017.

Director Borrego seconded the motion, which passed (4-0).

There was a brief discussion regarding the possibility of Mr. Kurt Wagener, AMAFCA Field Engineer, filling a slot on the Technical Standards committee after he retires. Mr. Lovato stated he has made note of the request.

13. Consideration of Resolution 2016-11 – Ad Valorem Tax levy for Tax Year 2016, Applicable to General Operating Fund

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, stated that the Resolution is required every year and will be submitted to Department of Finance and Administration (DFA). DFA has begun calculating for the Yield Control Act. Responding to a question from Chair Thomson, Mr. Chavez stated that he had not received a formal notification on the AMAFCA proposed tax rate. There was a discussion regarding if DFA wants to change the Mill Levy, AMAFCA should say no. The Yield Control Act constrains revenue to budgeted expenditures. During the last 25 years, the AMAFCA Board has tried to keep the Mill Levy from fluctuating; therefore keeping the Mill Levy consistent year to year. The use of the Yield Control Act by the DFA has resulted in the AMAFCA Mill Levy changing every year. Responding to a question from Director Borrego, Mr. Chavez stated the residential rate has ranged between 0.165 and 0.180 for the last 10 years. Mr. Lovato stated the Board of Directors had not changed the Debt Service rate since 1999. Referring to the Debt Service, DFA did have concerns that rate should be changed due to the amount of cash on hand AMAFCA had. It is AMAFCA's policy when a Bond is sold, that any excess funds are paid to the buyer upon sale. Reducing the Debt Service to address the small amount of cash in the bank that will be used to pay off the next issuance, will result in large swings in the Debt Service rate charged each year. The Board has been very clear that a slow steady path is what is desired with no drastic ups or downs. Mr. Lovato stated that staff had forecasted 25 years out and that Mr. Chavez and Mr. Valenzuela are doing a good job identifying future needs. Responding to a question from Director Brown, Mr. Lovato stated that AMAFCA front loads payment terms by using available cash to reduce interest rates and agreed that DFA is not accustomed to organizations that take this approach. Mr. Lovato stated that it is advantageous to the taxpayer and AMAFCA to get the best interest rate over the



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long term. Mr. Chavez stated that the down payment comes out of Debt Service funds. Responding to a question on upping the mill rate from Director Thomson, Mr. Chavez stated that he does not foresee an increase this year. He further stated that last year DFA wanted to increase the rate significantly. AMAFCA's goal is to keep the mill rate steady. Mr. Lovato stated that DFA would look at expenditures in excess of funding and will not consider the Contingency Funds. Responding to a question from Chair Thomson, Mr. Chavez stated DFA would get the Resolutions.

Director Brown made a motion that the Board pass and adopt Resolution 2016-11, the Ad Valorem Tax Levy for Tax Year 2016, Applicable to General Operating Fund. Director Stover seconded the motion, which passed (4-0), on a roll call vote.

14. Consideration of Resolution 2016-12 – Ad Valorem Tax levy for Tax Year 2016, Applicable to Debt Service Fund

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, introduced Mr. Mark Valenzuela with George K. Baum and Company. Mr. Valenzuela stated that AMAFCA submits the required information to DFA. DFA looks at the last 18 months. AMAFCA has a long Term Finance Plan that takes into account how to soak up excess cash with the next Bond issuance. Mr. Valenzuela stated that in DFA's defense, they have over 300 entities that they review. He further stated he expects the Ad Valorem Tax Levy for the Debt Service Fund to remain the same.

Director Brown made a motion that the Board pass and adopt Resolution 2016-12, the Ad Valorem Tax Levy for Tax Year 2016, Applicable to Debt Service Fund. Director Stover seconded the motion, which passed (4-0), on a roll call vote.

15. High Desert Residential Owner's Association – Consideration for Approval of Amendment

Mr. Jeffrey Willis, the High Desert Residential Owner's Association (HDROA) had presented a request at the July 28, 2016 Board Meeting to lower the Reserve amounts for each of the agreements. Each agreement outlined that the HDROA is responsible for Level One and Level Two maintenance, which had been paid for out of their Operations Budget and the Reserve Budgets. The contract provided to the Board had been approved by the HDROA and AMAFCA's legal counsel. Responding to a question from Director Borrego, Mr. Willis stated that the agreements would be reviewed every 5 years.

Director Brown made a motion that the Board approve Amendment 1 to the Easement to the Albuquerque Metropolitan Arroyo Flood Control Authority and the High Desert Residential Owner's Association for Reserves to Fund Level One and Two Maintenance: Tract 14 at High



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Desert, Embudito, Bear Canyon, Tract 15 B and D at High Desert, and South Pino Tributary. Director Stover seconded the motion, which passed (4-0).

16. SWVFRP Phase IIa, Isleta Drain Diversion Structure

a. Authorization to Advertise for Bids

Mr. Bradley Bingham, AMAFCA Drainage Engineer, stated that the Isleta Drain Diversion Structure is the final piece of the complex Pond 187 project. The Diversion will be in Isleta Drain, north of Arenal, across from Rio Grande High School. The current Engineer's Estimate is \$1,300,000, not including NM Gross Receipts Tax. Mr. Bingham stated that Mr. John Andrews and Mr. Kevin Banks with Larkin Group were present. Responding to a question from Chair Thomson, Mr. Bingham stated there would be ported risers and grates in the design. The project would keep out kids, trash, and debris. The project had been vetted through MRGCD and BernCo. Mr. Lovato stated that the project works with flows over 150 cfs. Any lesser flows will stay in the drain and run toward Rio Bravo, greater flows will go into the diversion pipe into Pond 187.

Director Stover made a motion to authorize the Executive Engineer to advertise for Construction Bids for the Isleta Drain Diversion Structure Project. Director Brown seconded the motion, which passed (4-0).

b. Consideration of Amendment to Engineering Contract to include Construction Management

Mr. Bradley Bingham, AMAFCA Drainage Engineer, stated that part of the original contract called out for the Construction Management portion of the contract be brought to the Board once the original design was complete. The cost is \$101,828.00, excluding NMGRT. Construction completion will be 120 days from notice to proceed. Responding to a question from Director Brown, Mr. Bingham stated that it would include compaction testing along with material testing.

Director Stover made a motion that the Board approve Amendment Twenty-Five with Larkin Group to provide Construction Management Services for the construction of the Isleta Drain Diversion Structure Project in the amount of \$101,828.00, excluding New Mexico Gross Receipts Tax. Director Borrego seconded the motion, which passed (4-0).



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17. City of Albuquerque Projects Update

a. West I-40 Diversion Channel Phase IV – Consideration for Approval of Amendment One – Funding for Multi-use Trail

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated the project had been in front of the Board a few times. The agreement would amend funding for the multi-use trail. Mr. Lovato introduced Mr. Jason Coffey with CoA Parks and Recreation. Mr. Coffey stated that the contract is at CoA legal for review. Responding to a question pertaining to the proposed schedule from Chair Thomson, Mr. Lovato stated that AMAFCA would be pushing to do the channel during the wintertime in order to be complete by the next monsoon season.

Director Borrego made a motion that the Board approve Amendment Number One with the City of Albuquerque to fund and maintain the multi-use trail to be built with the West I-40 Diversion Channel Phase IV project, substantially as attached. Director Stover seconded the motion, which passed (4-0).

b. Marble Arno Pond – Consideration for Approval of Funding Agreement

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated AMAFCA and CoA had purchased the temporary location for a 17-acre pond. There is a need for 30-acre feet in the area. Smith Engineering did the Mid Valley Drainage Management Plan (DMP). The DMP moves the pond across the street to a higher location that would intercept flows off Lomas Boulevard where a pump station would be built. The project will be phased to accommodate limited funding for the next few years. This project will also address offsite drainage issues for “Innovate ABQ”. Responding to questions from Chair Thomson, Mr. Lovato stated that one stipulation of the agreement is requiring the property not be sold until a Letter of Map Revision (LOMR) had been approved. Once the flood plain has been removed, the property will be sold. AMAFCA will get 50% of the sale and put the money back into another project. Responding to a question from Director Borrego, Mr. Lovato stated that Mr. Kevin Daggett with CoA is already working on the hydrocarbon issues. Mr. Daggett stated that the issues go back decades. CoA is working with the Environmental Department on the ground contamination at the site. Responding to a question from Director Borrego, Mr. Daggett stated that the monitoring wells have been monitoring since December 2015/January 2016. There was a discussion regarding a couple dry cleaners and a super fund site in the area and only one area having the hydrocarbons. Mr. Lovato stated that the plan is to dig the hole for the pond and remove the hazardous material. Responding to questions from Director Borrego, Mr. Lovato stated the cost, in phases, comes in around \$6M. CoA will do some planning and the property will be purchased. Responding to a question from Director Borrego, Mr. Lovato stated that he anticipates CoA selling the property at



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Lomas and Broadway in approximately two years; however, since it is mainly a CoA project, he cannot speak for CoA.

Director Borrego made a motion that the Board approve the Agreement for Funding the Design and Construction of the Marble Arno Pump Station with the City of Albuquerque. Director Stover seconded the motion, which passed (4-0).

c. Alcalde Riverside Drain Stormwater Quality Enhancements – Review Draft Funding Agreement with the City of Albuquerque

Mr. Lovato stated that Smith Engineering had identified the Alcalde Riverside Drain Stormwater Quality Enhancement in the Mid Valley DMP. The DMP identified Water Quality Facilities at both the Alcalde and Barelas Pump Station Outfalls into the bosque. The Riverside Drain collects too much storm water during an event and this project will address those excess flows and will address water quality in the downtown area. CoA had approached AMAFCA for a project. The Project will increase the efficiency of the storm drainage system in the Alcalde watershed and will provide regional storm water quality structures in the Bosque to collect trash and debris before discharging into the Rio Grande.

Responding to questions from Chair Thomson, Mr. Lovato stated that it would be a water quality feature, drain water into the pump station, and then drain back into the river. Alcalde Pump Station has extra capacity and only happen under extreme conditions accept flows from the Riverside Drain. Responding to a question from Chair Thomson, Mr. Lovato stated that AMAFCA be in charge of design and construction and have a 50/50 cost share with CoA. AMAFCA would like to bring back to the Board next month; the Board agreed.

d. San Mateo to Moon Mini DMP – Enhanced Inundation Mapping – Joint Project with the City of Albuquerque

Patrick J. Chavez, AMAFCA Storm Water Quality Engineer, stated that the Project had been in front of the Board a few times. With modifications done per Board request, AMAFCA and Smith Engineering modified the DMP to show general locations. The request for a more detailed inundation mapping of flooded areas has been more of a challenge. The completed DMP does not have the necessary data needed to document flood inundation on a lot-by-lot basis. The cost to obtain the necessary engineering data in order to produce the requested exhibits in the DMP is approximately \$52,560.00, excluding NMGRT. CoA has indicated that they would consider a 50/50 cost share. Responding to a question from Chair Thomson, Mr. Chavez stated that he is hoping to start immediately, just as soon as Smith Engineering can get it into their schedule. Mr. Lovato stated that this would not change the project, just enhance the exhibits requested by the Board. Mr. Lovato stated that he would bring to the Board next month.



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e. Bear Arroyo Water Quality Enhancements Pilot Project – Project Introduction

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that the idea for the project is to enhance the water quality, tributary, and pipe. The area has also been identified as a possible aquifer recharge zone.

The AMAFCA Board of Directors instructed staff to contact CoA concerning the possibility of a joint project to address erosion along the portion of the Bear Canyon Arroyo between Moon and Eubank. This portion of the Bear Canyon Arroyo includes a multi-use trail along the north side of the channel and includes a number of grade-control drop-structures. Discussions with both CoA and ABCWUA indicate that a soft bottom “naturalistic” channel was better for water quality and aquifer recharge than a concrete lined channel. The project would include the rehabilitation of the multi-use trail located along the east side of the arroyo and the installation of hard and soft scape. The project would include channel replacement, innovative storm water quality and water harvesting components, possible landscape areas, and full multi-use amenities contained within the drainage corridor.

There was a brief discussion regarding portions of the Bear being knocked out after a storm. Debris on the bike trail, erosions, and the soil getting saturated and slumping. The Board concurred that this is a project AMAFCA should be looking at pursuing. Responding to a question from Director Brown, Mr. Lovato stated it is in Director Eichenberg’s District. Mr. Daggett did not have any comments to add.

18. AMAFCA Field Highlights

a. Field Report

Mr. Kurt Wagener, AMAFCA Field Engineer, gave a report of various projects and events over the past month.

The slides opened with a picture of Mr. Nolan Bennett taken during the recent inspection of the Westgate Dam; Mr. Bennett’s first inspection of Westgate and Mr. Wagener’s last for that facility. Slides of AMAFCA crew work doing access control at NDC at the pedestrian bridge (Mr. Willis recently chased eight people out from under the bridge), East Amole Surge Pond - truck was set on fire and got so hot inside that the tire rims melted and stuck to the structure. A skid steer was used to pull the vehicle out. The area will be patched and monitored. AMAFCA crew is installing signs and the El Camino Pond sign was used as an example of what can be used for whatever the new name of Pond 187 will be. The presentation continued with slides of the retaining wall work at the AMAFCA office for the final inspection, a video at the Middle



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Piedras Marcadas Channel near Golf Course and Paseo del Norte, a slide of Patrick Chavez, AMAFCA Storm Water Quality Engineer, and Ms. Kali Bronson, with BernCo, (formerly with Daniel B. Stephens) doing soil sampling on the property on the Tijeras for a possible illicit discharge, Wasp removal at the Isleta sonde, a picture showing water at McCoy Dam, which is rare, CoA Osuna and Singer Widening Projects, various slides of the Agency and Area-Wide CoA Academy Hills Park/Channel, multiple slides of the NDC Floor overlay, a video of the NDC at South Pino (Black Forest picked up trash at this location), pictures from the recent EPA Urban Waters Conference in Arlington, Virginia, slides of the CO-NM EPAT Study workshop that Mr. Brad Bingham and Mr. Kevin Troutman attended, the EPA meeting at AMAFCA with Congresswomen Michelle Lujan Grisham, Region 6 Administrator, and Chair Thomson, and closed with a picture of a rainbow taken at the AMAFCA office.

b. Construction Report

Mr. Kurt Wagener, AMAFCA Field Engineer, referred to the Construction Report. There were no questions.

19. Real Estate

a. Issuance of Short Term Recreational Licenses

Mr. Jeffrey S. Willis, AMAFCA Real Estate Manager, stated there were five recreation licenses approved for several of the northeast dams. The licenses are utilized by high school track and field teams who appreciate using AMAFCA facilities as opposed to a school track. Responding to a question from Director Brown, Mr. Willis stated that keys were issued for gates on both sides of the North Domingo Baca Dam.

b. Vista del Norte Slope Easement – Proposed Dedication of right of way

Mr. Jeffrey S. Willis, AMAFCA Real Estate Manager, stated it had been reported that the Vista del Norte Homeowner's Association had acquired ownership of four different parcels of the levee section on NDC. The levee section is made of five individual parcels under private ownership. AMAFCA owns a slope and excavation easement for the levee section of the NDC in this area. Obtaining the additional parcels would help with maintenance access. It has been reported the Vista Del Norte Homeowners Association is interested in dedicating the four parcels to AMAFCA as right-of-way. Director Brown stated that approximately 12 years ago, he worked as a contract manager on construction development in this area and due to that relationship will pass on voting on this when it comes up for vote. He stated that the property went to the homeowner's association for maintenance and they may not be well equipped to handle or maintain the area. Responding to a question from Chair Thomson, Mr. Lovato stated



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that if AMAFCA owns the right-of-way AMAFCA would maintain the right-of-way, today the property in question is not maintained by AMAFCA. If something happened today to the NDC in this area, a failure of some kind, AMAFCA would do the repair work and would be limited due to the limited amount of available right-of-way.

20. Storm Water Quality

a. Monitoring E. Coli in Receiving Waters – Presentation by Storm Water Quality Engineer

Patrick J. Chavez, AMAFCA Storm Water Quality Engineer, stated E. coli samples considered in this analysis were collected from 2014 to 2016 and sent for lab analysis. Samples are grouped into wet season July – October 31 and dry season November – June 30. Samples were done during both seasons. No trend was noticed. AMAFCA is being proactive in monitoring. Mr. Chavez covered the various figure maps and results that were part of the Board mailout.

Responding to a question from Chair Thomson, Mr. Chavez stated that E. coli limits of 110 is for a one-time sample, 147 is for a geometric mean, and 88 is the one time sample to meet Pueblo standards. Responding to a question from Director Brown, Mr. Chavez stated the pond identified is the North Pino Water Quality Pond located near the Journal Center. This area always has standing water due to the way it was built. Mr. Lovato stated that some ponds, like the North Pino Water Quality Pond, purposely run water through the pond(s) to clean the water. Responding to a question from Director Brown, Mr. Lovato stated that vegetation is kept alive at this pond to clean water and wildlife and waterfowl comes and goes from this location. Water quality is enhanced, but the wildlife and waterfowl pollute the pond with E. coli. AMAFCA and EPA need to discuss why E. coli is being used as a standard for clean water due to the fact it is prevalent in the environment and very expensive to remove / kill. Mr. Chavez stated that E. coli is temperature dependent and the permit does not reflect that fact. Chair Thomson stated that AMAFCA had contracted with the Bosque Ecosystem Monitoring Program (BEMP) some years back. BEMP had done a data set with two years of information showing E. coli in the River from the 550 bridge going all the way down to possibly Isleta. He has used the data set a lot and found it to be very valuable. Mr. Chavez stated that the highest E. coli correlate to highest temperature values. Chair Thomson mentioned that storm events stir up the e. coli as well. Mr. Lovato stated that Ms. Savannah Martinez, former UNM intern, had done an E. coli study. Mr. Chavez stated that Ms. Martinez had done a scaled down model of the North Pino Pond at UNM. Mr. Lovato stated that AMAFCA would be using the UNM interns to keep the data set current. Responding to a question from Director Borrego, Mr. Lovato stated that right now, there is not much that can be done with the process since if you wait a few days the E. coli dies. There is a plan to talk to the EPA on a national basis to show that the E. coli testing is not the best standard for compliance. Responding to a question from Director Brown, Mr. Chavez stated that



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outreach, education, and public participation are being done. There was a brief discussion regarding keeping homeless / pet waste out of the watershed, the number of E. coli on the human body, and EPA stating the a 30% reduction in E. coli in Los Angeles County could cost \$18B. Director Borrego concurred that education is a big part of the process.

21. Personnel and Salary Committee

a. Executive Engineer's Evaluation (closed session)

This Board deferred this agenda item until the September Board meeting.

22. Unfinished Business

None.

23. New Business

Ms. Vanessa Alarid with Alarid Consulting and Mr. Mark Fleisher were present. Part of their presentation consisted of the following:

- Legislative Finance Committee met the previous evening in Red River, NM
- The 2015-2016 Fiscal Year ended on June 30, 2016 with a \$131M shortfall
- The 2016-2017 Fiscal Year estimates is \$458M shortfall
- State oil and gas revenue has dropped substantially
- For each \$1 drop on a barrel of oil the State loses \$10M; for each \$.01 cent of gas the State loses \$7.5M of revenue

Ms. Alarid referred the Board to page 2 of her late mailout, the State of New Mexico stated that the State must have a balance budget. There are talks about a Special Session. Page 3, estimated for FY 2017 total revenue is \$5.7B. Page 4, Consensus Revenue Estimates, Tobacco Settlement Fund shows \$231.4M; may be used to address FY 2015-2016 shortfall. During a recent meeting in Taos, the date of September 30, 2016, was discussed as a possible date for a Special Session.

Responding to a question from Director Thomson, Mr. Lovato stated that AMAFCA funds are safe and that the AMAFCA Board had passed the correct Resolutions. He further stated that there is a concern with many of AMAFCA's partners and their funding. CoA has indirect funds coming in from the State. Those partners receiving State funds may feel the impact due to the impending State cuts, may suffer with furloughs, and very limited funding. Ms. Alarid stated that the Governor had asked for a 5% cut across each of the departments. Some departments are exempt from the cuts so other departments may have more than a 5% cut. Mr. Fleisher stated



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that even if the price of gas and oil goes up, it is not an overnight fix; it is a long-term recovery. Director Borrego asked that the Board be kept abreast. Ms. Alarid stated that AMAFCA does not have the worries that many other entities have.

24. Adjourn

There being no further business to come before the Board, Chair Thomson adjourned the meeting at 12:28 p.m.

Deborah L. Stover, Assistant Secretary - Treasurer, 9/22/16