



**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, August 22, 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 Attorney Marcus Rael, Jr. Staff Other attendees on file at AMAFCA

A quorum was present.

Chairman Eichenberg noted that former AMAFCA Board member Vernon Doak had passed away the previous week. Mr. Doak had served on the Board from 1977 to 1982. Chairman Eichenberg requested a moment of silence in Mr. Doak's memory.

**2. Approval of Agenda**

Chairman Eichenberg noted that the Personnel and Salary Committee had been unable to meet, therefore agenda items 8a and 8b would be deferred to next month.

Director Hernandez made a motion to approve the agenda with that change. Director Brown seconded the motion, which passed unanimously (5-0).

**3. Meetings Scheduled**

- a. **Thursday, September 26, 2013, 10:00 a.m. – Regular Meeting**
- b. **Thursday, October 24, 2013, 10:00 a.m. – Regular Meeting**
- c. **Thursday, November 21, 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**

None.

**5. Approval of Minutes**

**a. July 25, 2013 Regular Meeting**

Director Hernandez made a motion to approve the minutes of the July 25, 2013 Regular Board Meeting. Director Brown seconded the motion, which passed unanimously (5-0).

**6. Financial Matters**

**a. Approval of July 2013 Expenditures**

Ms. Jeffries presented the July 2013 Expenditure Report.

In response to a question from Director Thomson, Kevin Troutman, AMAFCA's GIS Manager, explained that AMAFCA paid an annual licensing and maintenance fee for three pieces of GIS software used in the office. In addition, AMAFCA employs cloud computing to keep its GIS mapping application separate from the AMAFCA computer network and server. This increases network security without the need of hiring an Information Technology Specialist. Mr. Lovato added that using cloud computing for the application not only saves money on salaries, but also saves money on internet connection bandwidth from use of AMAFCA's online GIS mapping application.

Responding to a question from Director Hernandez, Ms. Jeffries stated that AMAFCA had stopped payment, voided, and replaced a check to the City of Albuquerque which had been lost. This check covered several pay periods. In addition, the City had been catching up on invoicing AMAFCA for pay periods in FY 2013. She noted that the City had transitioned to new accounting software, and was now catching up on their billing.

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

**b. Investment Report for July 2013**

Ms. Jeffries presented the Investment Report for July 2013.

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



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**c. Financial Recap July 16, 2013, through August 15, 2013**

Ms. Jeffries presented the Financial Recap for July 16, 2013, through August 15, 2013. Ms. Jeffries stated that the Operating Fund miscellaneous income included the funds from the stopped check mentioned earlier. She also corrected the Debt Service Fund recommended actions where it stated "invest in LGIP," stating that this should read "principal and interest payments on bonds."

There were no questions.

**d. Financial Forecast August 16, 2013, through September 15, 2013**

Ms. Jeffries presented the Financial Forecast for the period August 16, 2013, through September 15, 2013. She noted that the recommended actions for the Capital Projects/Construction Fund include payments on four construction projects, a payment to Bernalillo County for Goff Road, and payments on various engineering invoices.

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

**7. Legal**

**a. Status Report**

Marcus Rael, Jr. briefed the Board on the status of various legal matters, correcting a typographical error in his report and answering several questions from the Board.

Director Lyon commented extensively regarding arroyo easements. Mr. Rael stated that under the standard language for drainage easements, AMAFCA has rights as long as the property is needed for flood control. When the parcel is no longer needed for flood control, it can be conveyed back to the property owner or his successor.

Director Lyon requested a copy of the easement language.

**8. (Agenda Item Deferred to September – Agenda Number Not Used)**

Not used.



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**9. Executive Engineer's Report**

**a. Notification of Past Month's Activities**

The Executive Engineer's Report, which had been provided as a handout at the meeting, 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) – Levee Task Force.** The Levee Task Force met on August 21, and was updated on COE funding for FY 2014. Directors Hernandez and Lyon attended this meeting. A COE construction project will be let at the beginning of FY 014 for a levee rebuild project south of Socorro, for \$6M to \$10M. The Task Force will begin soon on a report to the Legislative Interim Committee. The City of Albuquerque has begun a feasibility study for the Montano Levee. The Eastern Sandoval County Arroyo and Flood Control Authority (ESCAFCA) has discontinued their feasibility report for the levees in Bernalillo with the COE, choosing to instead spend that money on flood control. The Task Force also discussed potential issues which may arise when COE certifications for the Albuquerque Levees expire at the end of August, 2013. FEMA Region 6 does not intend to remap Bernalillo County for at least ten years, but may request certification of a levee if the levee is included in a Letter of Map Revision (LOMR). This may cause problems for any LOMR work in the south and north valleys. There is about 600 acres in the south valley that could be removed from flood plain once the OMRR&R manual is signed by the MRGCD. Two of these FIRMs include a section of levees.

*Other COE items:* Discussed under agenda item 16c.

- **City of Albuquerque (COA) – Proposed Changes to the City of Albuquerque Drainage Ordinance.** The Chairman sent a letter to the President of the City Council to request that the Council delay action on the modifications to the Drainage Ordinance. AMAFCA's Storm Water Quality Engineer and Drainage Engineer attended the City Council meeting to answer questions about AMAFCA's concerns. The Council deferred action and elicited public comments concerning the modifications addressing water quality. AMAFCA's Storm Water Quality Engineer reviewed the most current modifications and submitted comments to City staff and the City attorney.

*San Pedro Storm Drain and the Louisiana Storm Drain.* Discussed under agenda item 19.



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*Channel Road.* Discussed under agenda item 21.

*Our Town NEA Grant.* Staff from Story of Place, Littlelobe, the UNM School of Architecture and Planning, the City of Albuquerque, and AMAFCA met to discuss schedules and preliminary scoping milestones concerning the project. Actual work will not begin until the funding is received. Preliminary plans include three public meetings before the end of the year. Work has started on scoping the design parameters for the mobile gardens/water quality structures. AMAFCA has discussed operations and maintenance with City Parks and Recreation and the United States Fish and Wildlife Service (USFWS).

Director Thomson stated that he gave a presentation to the District Six Coalition of Neighborhoods about the grant. Director Hernandez stated he was also in attendance at that meeting. Chairman Eichenberg noted that he had been invited to the meeting, but was out of town at the time.

*Montaño Levee.* Mr. Lovato reported discussions with the City's Open Space Division concerning issues of working within the Bosque and possible conflicts with the COE Bosque Restoration Project. Bohannon Huston has been given an On-Call Task Order to evaluate two design concepts for the Montano Levee. Both designs will comply with FEMA requirements for levee certification. One design follows COE design criteria, and the other offers a more holistic approach, creating Bosque habitat and preserving more of the old cottonwood trees. The City of Albuquerque has entered into an agreement with the COE for funding a feasibility report under the 205 Program. The City has requested that AMAFCA jointly fund the local sponsor's portion of the levee report.

*Marble/Arno Pond Pump Station.* Discussed under agenda item 20.

- **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, and water is moving through the system.

*Emergency Action Plan Field Exercise.* AMAFCA will be participating in a field exercise to test the AMAFCA Emergency Action Plan for the North Domingo Baca Dam on Wednesday, September 18, 2013. The Office of the State Engineer has been invited to participate.

Kurt Wagener, AMAFCA Field Engineer, gave a few more specifics regarding the exercise. He stated that there will be two scenarios. One will be a power outage at the Sanchez Farms, which will be dealt with by Bernalillo County. The other will cover erosions at the North Domingo Baca Dam. This will not be a dam failure scenario, but a scenario where staff prepare for any



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actions that might be necessary. Many County departments will be present, and there may be little or no room for observers at the County offices.

- **Emergency Response** – *City of Albuquerque*. AMAFCA provided over 6,000 filled sandbags to the Albuquerque Fire Department, and over 30,000 empty sandbags and sand to both the Bernalillo County Fire Department and the City of Albuquerque Fire Department over the last 60 days.

*Village of Corrales*. AMAFCA provided the Village of Corrales support in removing sediment and debris from public roadways to allow emergency access to residents and businesses whose access was cut off by large sediment deposits several feet deep. Mr. Lovato stated that paperwork for reimbursement had been provided to Corrales. If the work is submitted for emergency funds, AMAFCA could be reimbursed.

At Director Hernandez's request, Mr. Wagener explained the emergency action plan flood exercise in a little more detail. Participants will gather at the Bernalillo County offices, then calls will come in stating there are problems at the facilities. The participants will then decide who/what to mobilize, and which roads or facilities would need to be closed in that scenario.

Director Brown reported that he had been at a committee meeting the day before regarding the Drainage Ordinance. He noted that the ordinance combines two disparate issues: construction drainage, dealt with on a site-by-site basis, and water quality and other issues, dealt with on a watershed basis. He also noted that the ordinance returns to on-site ponding, which was tried in the 70s and did not work. He opined that it would be better to separate the two issues into two separate ordinances rather than trying to combine them in one, and to decide which water quality features are best for each basin as a basin-by-basin decision rather than as a one-solution-fits-all ordinance. He stated the committee was planning to ask for another month's deferral on the ordinance modification. He also noted that the EPA is focusing on regional solutions rather than site-specific ones, so it made sense for the City to change how they are approaching modifications to this ordinance.

Director Hernandez stated he had similar concerns, although he was okay with localized ponding for water quality. He opined that localized ponding does not work for water quantity.

**b. Notification of On-Call Services Task Orders**

Mr. Lovato stated that nine on-call task orders had been issued since the last Board meeting, as listed in his memo. He gave further details on each.

In response to a question from Director Lyon, Mr. Lovato stated that the Corps of Engineers had identified \$100,000 in funding in the FY 2014 budget for the Montaño Levee feasibility study,



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but that the FY2014 budget had not yet been passed by congress so the money has not actually been appropriated or received yet. The other \$100,000 would come from local sponsors.

Responding to a question from Director Thomson, Mr. Lovato stated that Hamilton Dam will be in North Albuquerque Acres. Either Avulsion One on the Pueblo of Sandia, or Hamilton Dam needs to be built to protect properties in that area and downstream. The Hamilton Dam task order was to determine what the dam would look like, as it will be located in an already established neighborhood.

Director Brown recalled that AMAFCA had been working with the Pueblo for over 25 years, trying to move forward on Avulsion One.

No Board action was required.

***Consent Agenda***

Chairman Eichenberg stated he would like to pull agenda item 12 off the consent agenda, so that it could be discussed. He noted that agenda items 10, 11, and 13 remained on the consent agenda.

**10. Award of Bid for Trailer-Mounted 185 CFM Air Compressor**

The memo from Kurt Wagener, AMAFCA Field Engineer, stated that three bids had been received. All bidders had provided a signed AMAFCA Campaign Contribution Disclosure form. With the adjustment for the resident bidder, Century Equipment Company was the low bidder. Their bid amount was \$18,172.50. Century Equipment listed no specification exceptions and stated they meet specifications. Staff recommended award of the bid to Century Equipment Company in the amount of \$18,172.50 not including New Mexico Gross Receipts Tax.

**11. Valle de Oro Wildlife Refuge and Drainage Facility Site Layout – Consideration of Selection Advisory Committee Recommendation**

The memo and handout from Karen Stearns, AMAFCA Storm Water Quality Engineer, stated that four proposals were received, and three were considered responsive. The three responsive proposals had been scored at the Selection Advisory Committee meeting on August 21, 2013. All three firms were resident bidders, so the preference did not have any effect on final outcome. All three firms had provided the AMAFCA Campaign Contribution Disclosure Form. The Selection Advisory Committee recommended selection of Wilson and Company.



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**13. Authorization to Issue Request for Proposals for On-Call Survey, Geotechnical and Environmental Engineering Services, Appraisal, Title, and Oblique Aerial Photography Services**

The memo from Jeff Willis, AMAFCA Real Estate Manager, stated that the on-call contracts for survey, geotechnical and environmental engineering, appraisal, title, and oblique aerial photography services were nearing the end of their optional extensions and needed to be re-advertised so that there would not be any lapses in on-call services. The memo requested that the Board authorize the Executive Engineer to advertise for these on-call services.

There being no further items on the Consent Agenda, and there being no questions, Director Lyon made a motion that the Board:

- Award the bid to Century Equipment Company and authorize the Executive Engineer to execute a purchase order for the purchase of the Trailer Mounted 185 CRM Air Compressor in the amount of \$18,172.50;
- Accept the Selection Advisory Committee recommendation of Wilson and Company for the Valle de Oro Wildlife Refuge and Drainage Facility Site Layout, and authorize the Executive Engineer to negotiate an agreement with Wilson and Company for presentation at the September 2013 Board meeting; and
- Authorize the Executive Engineer to advertise the Requests for Proposals for Survey, Geotechnical and Environmental Engineering Services, Appraisal, Title, and Oblique Aerial Photography Services.

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

***Regular Agenda:***

**12. Agency and Area-Wide Flood Control Maintenance Contract 2013-2014 Design and Construction Management Services – Consideration of Engineering Services Agreement with Smith Engineering Company**

The memo from Mr. Wagener stated Smith Engineering Company had been selected for the Agency and Area-Wide Flood Control Maintenance 2013-2014 Design and Construction Management Services, and an agreement had been negotiated with them. Smith Engineering and the City of Albuquerque have reviewed the agreement. NMDOT and AMAFCA's attorney were completing their final reviews of the agreement at the time of mailout. The memo recommended approval of the Agreement substantially as attached to the memo.

Mr. Lovato noted that Pat Conley, of Smith Engineering Company, was present.





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Mr. Lovato stated that the negotiated agreement covered design and construction management services for the Agency and Area-Wide Flood Control Maintenance Contract 2013-2014. The contract is a cooperative effort between AMAFCA, the City of Albuquerque (City), and the New Mexico Department of Transportation (NMDOT). Each agency covers the cost of repairs to their own facilities. This has worked well in prior Agency and Area-Wide contracts, since 2008.

Mr. Wagener noted that his memo stated the agreement would be "substantially as attached," but that since the memo was written, AMAFCA's attorney had completed legal review with only minor changes. Those changes were agreed to by Smith Engineering, the City, and NMDOT.

In response to a comment from Chairman Eichenberg, who noted that the fee is approximately 12% of the total budgeted construction cost of the projects, Mr. Lovato stated that approximately 9-10% covers design, and the rest covers construction management and testing of the projects. Having the same company handle the design and the construction management of these small repair projects allows speedy adjustments to field conditions as repairs are being made.

Director Thomson made a motion that the Board approve the Agreement with Smith Engineering Company to provide Professional Engineering Services for the Agency and Area-Wide Flood Control Maintenance Project 2013-2014 on a time and materials basis with cost not to exceed \$181,121.00, not including New Mexico Gross Receipts Tax. Chairman Eichenberg seconded the motion, which passed unanimously (5-0).

**14. Adoption of Resolution 2013-07, *Ad Valorem Tax Levy for Tax Year 2013, Applicable to General Operating Fund***

Mr. Lovato reported that the Department of Finance and Administration's Local Government Division (DFA) had informed him a few days prior that the mill levy rates produced by the Yield Control formula are 0.179 Residential and 0.477 Non-residential, for the General Operating Fund. A resolution adopting those rates had been prepared and had been reviewed by General Counsel, and was delivered to the Board as a late mailout.

He noted that John Archuleta of George K. Baum & Company, AMAFCA's Financial Advisor, was present, as was Duane Brown of the Modrall Law Firm, AMAFCA's Bond Counsel.

Mr. Archuleta gave the Board a presentation on current financing options and market update. Referring to the page summarizing Assessed Valuations in Bernalillo County, he stated that the "Total Assessed Valuation" column did not include protested amounts. He expected that valuations would be upheld in approximately half of the \$372 million of protested valuations, which would result in a slight growth in assessed valuations over the previous year's total when the tax rolls are updated in January 2014.



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Mr. Archuleta noted that due to the Yield Control formula, the DFA had come up with mill levy rates that raised the residential rate from 0.176 to 0.179, and kept the non-residential rate at 0.477. He noted that this was a three tenths of a cent increase in the residential rate. The non-residential and debt service rates would remain the same.

Mr. Archuleta stated that timing appeared good for a \$12.5 million bond sale in December 2013 or January 2014. Moody's had taken away the "unstable" forecast on AMAFCA's bond rating, returning AMAFCA's bond rating to a AAA stable rating.

Chairman Eichenberg noted that the residential and non-residential operating fund mill levies added together were over the half mill limit, and asked how that was approved by DFA. Duane Brown stated that he suspected that the limit was for each category, and was not determined by adding the two mill levy rates together.

In response to a question from Director Brown about what would happen if the Board refused to raise the mill levy rates, Chairman Eichenberg reminded the Board of what had happened the previous year, when the DFA raised the rates anyhow, and AMAFCA had to do some public relations work to demonstrate that the DFA, not AMAFCA, had raised the mill levy. He was not sure if he wanted to go through that again, although he expressed that he did not wish to raise the mill levy rate.

Director Lyon made a motion that the Board keep the Operating Fund residential mill levy rate at 0.176, and the non-residential mill levy rate at 0.477. Director Brown seconded the motion.

Chairman Eichenberg noted that the difference in 0.176 and 0.179 was only about \$30,000. Director Hernandez recalled that last year, AMAFCA had to take the story to the media, to get out the message that DFA had raised the mill levy, not AMAFCA.

After discussion, the motion passed (4-1), with Director Hernandez voting against the motion, stating he did not want a confrontation with DFA.

Director Brown pointed out that if DFA forces the higher mill levy rate after the Board voted to keep it the same, the Board will have to consent to the higher rate. However, in that case, the DFA has raised the mill levy rate, not the Board. The DFA has forced the change. Director Lyon agreed.

Chairman Eichenberg requested staff to revise the Resolution, stating that the Board would vote on it on a roll call vote under Unfinished Business at the end of the meeting.



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**15. Adoption of Resolution 2013-08, *Ad Valorem Tax Levy for Tax Year 2013, Applicable to Debt Service Fund***

Mr. Lovato stated that the Debt Service Fund mill levy is not subject to the Yield Control formula. AMAFCA's Financial Advisors, George K. Baum & Company, recommended a debt service tax rate of \$0.675 per \$1,000 of assessed value on all taxable real and personal property within AMAFCA's boundaries, which is the same rate as in the previous year. Duane Brown, of the Modrall Law Firm, had drafted the resolution and was in attendance at the meeting to answer any questions.

Mr. Brown stated that the resolution was the same as approved by the Board last year, with updated information regarding outstanding bonds. The resolution also anticipates a \$12.5 million bond sale in December 2013 or January 2014, and states that the mill levy rate of \$0.675 per \$1,000 of assessed value is adequate to pay the debt service on all bonds.

Director Brown made a motion that the Board adopt Resolution 2013-08 *Ad Valorem Tax Levy for Tax Year 2013, Applicable to Debt Service Fund*. Director Hernandez seconded the motion, which passed unanimously (5-0), on a roll-call vote.

**16. AMAFCA Projects**

**a. Black Mesa Phase 1a Pipe Extension Project Update**

Mr. Lovato gave the Board a quick summary of progress on the Black Mesa Phase 1a Pipe Extension Project. He stated staff has continued to work on obtaining easements for the outfall of the pipe and permits and starting the final project design.

Lynn Mazur, AMAFCA Development Review Engineer, stated that the Bureau of Reclamation (BOR) will issue a letter of concurrence for the work in the prescriptive easement from Pajarito Road south to McCoy Dam, and a permit for the work in the right of way from Pajarito Road north to Donna Maria Road. These will be issued after BOR review of the plans.

She stated that the preferred alignment for the three dam outlet pipe is through the Baca property. The appraisal on the property was favorably received. If AMAFCA and Mr. Baca cannot agree on the final terms, AMAFCA can use the existing Raymac Dam outfall easement on the Sanchez property. Both alternatives will connect to an existing pipe in Raymac Road. The Board had instructed staff to proceed with the option of keeping the Gun Club Lateral as an earthen ditch and assuming maintenance of the lateral. The three dam outlet pipe will be straightened to increase hydraulic efficiency. Linear detention ponds and swales will be excavated to capture offsite flow from the west.



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Ms. Mazur noted that the Middle Rio Grande Conservancy District (MRGCD) had expressed concern about maintenance of the ditch. Staff reminded them that AMAFCA has successfully maintained a portion of the Corrales Main Canal for almost 30 years.

She noted that Wilson and Company is proceeding with final design. They will provide plans for the entire corridor for BOR/MRGCD review and then prepare full construction plans and details for Phase I construction consisting of the section from Don Felipe Dam to the existing pipe in Raymac Road. Staff expect to ask for authorization to advertise a construction project at the September 2013 Board meeting, with construction to begin in November 2013.

**b. Valle de Oro Drainage Outfall/Bosque Restoration Project Update**

Mr. Lovato stated that the Valle de Oro drainage outfall project is the first phase of the overall drainage project on the Valle de Oro Wildlife Refuge that will convey stormwater runoff from the southeast valley to the Rio Grande.

Ms. Mazur stated that the project will consist of excavation of ponding areas and swales, removal of jetty jacks, restoration of the river bank, and native revegetation in the Bosque. There will be no direct drainage connection to the refuge or the river, but there will be pedestrian and emergency vehicle access. The permanent drainage connection will be constructed with a future project.

She noted that the cost share agreement with the State Land Office (SLO), which will incorporate the next phase of their restoration project into AMAFCA's drainage project, had stalled in the review process. Director Hernandez facilitated a teleconference with SLO staff to get it moving again. The result was that SLO will draft a license to allow AMAFCA access to SLO property and a separate funding agreement. SLO is also submitting the Biological Assessment (BA) that will lead to a Biological Opinion from U.S. Fish and Wildlife Service (FWS) for the work in the Bosque.

Ms. Mazur stated that the FWS is interested in establishing some temporary facilities in the Valle de Oro and to provide access to the Bosque. The construction yard in the southeast area of the refuge property might be used as a parking area of the Valle de Oro after construction is completed.

She stated that the access road from Valle de Oro will cross two MRGCD facilities, the Williams Lateral and the Albuquerque Riverside Drain. A separate permit will be required for each facility. This will not only be temporary construction access, but also permanent emergency vehicle and pedestrian access. The MRGCD liked the idea of providing access for emergency vehicles, but wanted assurance that the access will be secure and will prevent use by other vehicular traffic.



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Ms. Mazur reported that she and Karen Stearns, AMAFCA's Stormwater Quality Engineer, had met with the Bureau of Reclamation (BOR) to discuss permits. The access from Valle de Oro will cross over BOR land, as will a portion of the northern pond, and will have to follow the National Environmental Policy Act (NEPA) as a result. Jennifer Faler, BOR Deputy Manager, stated that the Environmental Assessment prepared for the first phase of the State Land Office's (SLO) Bosque Restoration work should cover this project as well. She will follow up with her staff to keep the project out of the NEPA process. The SLO is tweaking the BA to address the possible issue of the ponds being considered as fish entrapment areas by the FWS.

She noted that, as the work will be in the floodway of the Rio Grande, staff has begun discussions with the Corps of Engineers regarding a 404 permit. A permit may not be required, as the work is outside the ordinary high water mark. One is required for the SLO's bank line work, and has already been obtained. Ms. Mazur explained that the SLO is lowering the bank of the Rio Grande to allow some low flow water to enter the Bosque and provide habitat restoration.

Ms. Mazur added that Tetra Tech had completed the design analysis report and was proceeding with preliminary design plans. Final plans will be completed in October, and staff will ask for authorization to advertise then. Construction is expected to begin in December, and end before willow flycatcher nesting season begins.

Responding to a question from Director Thomson, Mr. Lovato stated that the water quality design ideas solicited last winter were summarized and used by the FSW to show that AMAFCA is exploring a number of different conceptual ideas. They will also be used in the design charrette. He stated that the ideas would be shown to the Board in two months' time.

**c. Southwest Valley Flood Reduction Project Phase II**

Mr. Lovato reported that the revised Amendment 2 to the Project Cooperation Agreement had been approved. Staff is awaiting a confirmation letter. He noted that funding will not be obtained by the end of the federal fiscal year, September 30, 2013. The funding may be received in October 2013 but as the funding is not fully committed, it may never come. The Corps of Engineers (COE) is reducing their total project costs by \$3.3 million. The maximum credit of 35% for in-kind work and cash is being reduced and the local sponsors will not get credit for an estimated \$3,286,000.00.

He stated that the Phase IIc Project includes excavation of Pond 187, and re-grading portions of the Isleta Drain and the Los Padillas Drain. The COE will excavate approximately 100,000 cubic yards from the AMAFCA-owned "Terpstra" property to construct Pond 187. The pond will have gentle side slopes and an island in the center to allow for habitat restoration. The COE



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is providing the pond's design. Bernalillo County is designing the haul route, which will temporarily utilize the Arenal Acequia and Rio Grande High School access road. Coordination with the MRGCD, Albuquerque Public Schools, and the Bureau of Reclamation has been ongoing. The project is scheduled to be awarded by the end of October and the Acequia must be operating by March 1. As a part of Phase Iic, the COE will design the re-grading of the Los Padillas Drain from the Los Padillas Spillway Diversion to the confluence with the Los Padillas Extension, and re-grading of the Isleta drain from the Isleta Spillway Diversion to the Isleta/Walmart Channel. COE funding for this project has been delayed two months. The local partners are pushing hard to get the excavation done before the beginning of the irrigation season in March.

Mr. Lovato explained that the Phase Iib Project is the ten crossing structures being designed and built by Bernalillo County. These structures cross the Los Padillas Drain, the Isleta Drain, and the Armijo Drain. Bernalillo County intends to go to bid in the next two months and complete construction of the crossings before March 1, 2014. Bernalillo County will be the lead agency for this phase, and they understand they will not receive in-kind credits for the design, construction, or construction management. They are currently at 95% design, and are on schedule.

He stated that the Phase Iia Project is the AMAFCA inlet and outlet connections to Pond 187. Once the COE Phase Iic is started, AMAFCA will start the design of the inlet structure and the outlet pipe to Pond 187. It is anticipated that a Request for Proposals for engineering design and construction management will be advertised by December 2013.

In response to a question from Director Lyon about Boca Negra Dam, Mr. Lovato stated that there has been little or no rain at the project site this month, and the project is making good progress. Other construction in the area for the SAD project, not the Boca Negra Dam construction, is affecting local traffic and access. Additional rock blasting will occur over the next month to make trenches to connect the low spots in the dam pool, so that they will drain. The PNM substation has been completed.

Chairman Eichenberg called a brief recess at 11:21 a.m. The meeting resumed at 11:37 a.m.

**17. 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.

**18. South Diversion Channel Hydrologic and Hydraulic Analysis – Final Report by Easterling and Associates**

Ms. Mazur stated that the design report for the Avenida Cesar Chavez Storm Drain showed a capacity deficiency in the South Diversion Channel (SDC) downstream of the storm drain confluence. This portion of the SDC needs to meet FEMA's levee criteria, which is three feet of freeboard in the channel. This means there must be three feet clear between the 100-year water surface and the top of the channel. Some sections of the SDC do not meet those criteria.

In addition, she noted, the hydrology of the SDC had not been updated since the original Corps of Engineers Hydrologic Design Memorandum No. 1 was published in 1956. Modeling has changed significantly since 1956. In 1956, the Standard Project Flood (SPF) was estimated at 1,100 cfs downstream of Cesar Chavez. The 1994 storm drain design report had a fully-developed 100-year flow rate of 2,100 cfs in this location, by adding the calculated storm drain watershed to the earlier figure. With the development that has occurred since installation of the storm drain, staff felt it was important to update the hydrologic and hydraulic analyses of the SDC. This was done by Easterling Consultants as an on-call task order.

Hugh Floyd of Easterling Consultants showed a flyover video of the SDC, noting areas with freeboard deficiencies. He stated that there is a huge amount of storage in the SDC, which may almost be thought of as a stepped linear pond. Their modeling showed some areas of freeboard deficiency which should be corrected by raising the side of the channel, including a few areas where the modeling showed water leaving the channel, north of Cesar Chavez.

In response to a comment from Director Thomson, Mr. Lovato stated that some areas of the SDC need to have one or two feet added in order to reach the three foot freeboard standard. AMAFC A may have the opportunity to construct some freeboard berms along the SDC in conjunction with the City's cattleguard inlet removal project on Cesar Chavez. The City anticipates construction in the latter half of 2014.

In response to questions from Director Hernandez, Mr. Lovato stated that this study shows the updated capacity of the SDC, so that AMAFC A can require of any developers who build in the area that this capacity is not exceeded. Adding one or two feet of freeboard will not be very expensive, but right of way access, particularly on the land owned by the University of New Mexico (UNM), might be more difficult. A joint project with UNM is being considered. In some



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places, dirt may be added. In others, a concrete wall may be required, which will cost a little more. The City of Albuquerque is considering replacing the cattleguard inlet at Cesar Chavez with a box culvert section under the roadway. Mr. Lovato stated that this made a lot of sense both structurally and hydraulically, rather than putting in a bridge at this section. Water coming in via a storm drain pipe inlet is better for the channel than having it drop in from above, as it does now.

Responding to a comment from Chairman Eichenberg, Mr. Lovato stated it would be best to do the improvements north of Cesar Chavez soon, as UNM may not develop their property there for quite awhile. Water that overflowed the channel could flood a neighborhood west of I-25. He opined it would be best to take care of the freeboard issues sooner rather than later.

Mr. Lovato stated that a cost-share agreement could be done with the City's Cesar Chavez project to help with the access issues for the freeboard corrections.

**19. Authorization to Issue Request for Proposals for Drainage Study East of San Pedro, South of I-40**

Mr. Lovato stated that the memo for this item was provided as a late mailout. He stated that at the July 25, 2013 Board meeting, the Board was briefed on the need to re-evaluate the drainage in the area south of I-40, west of Moon, north of Zuni, and east of San Mateo, to determine the amount of storage needed to reduce or eliminate the capacity issues in the San Pedro Storm Drain and reduce floodplain east of Louisiana. This study will include an existing conditions model and determining future road projects in the designated area. Consensus of the Board was to proceed with the study and have further discussions with the City of Albuquerque regarding funding.

He stated that the City doesn't have funds for the study at this time, but does for construction of some of the storm drain improvements in the area, and will collaborate with AMAFCA in the future. Mr. Lovato requested authorization to advertise a Request for Proposals (RFP) for Engineering Services for this study.

Director Brown made a motion that the Board authorize the advertisement of an RFP for Engineering Services to provide a Drainage Study east of San Pedro, south of I-25. Director Thomson seconded the motion.

In response to a question from Director Thomson, Mr. Lovato stated that he expected the basic study to only be about \$50,000, but the costs of at least one public meeting would bring the total costs of the contract over his contracting authority limit for an on-call task order, thus he was asking for Board approval of the RFP.

The motion passed unanimously (5-0).





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**20. Feasibility Study Evaluating a New Pump Station at the Marble - Arno Pond**

Mr. Lovato stated that, in order to make a sound engineering decision, AMAFCA commissioned Molzen Corbin to compare the cost of constructing a new pump station on the vacant lot east of the existing Broadway pump station, at Marble and Arno, rather than rebuilding the current pump station. Prices were updated to current prices in the estimates. Power options were also compared, and "off-the-shelf" pump options were explored, to allow for quick repair/replacement.

Brad Bingham, AMAFCA's Drainage Engineer, showed the Board some renderings of what the façade hiding the pond and pump station at Marble and Arno could look like. Water would enter the facility at the Marble and Broadway corner. The pumps would be at the corner of Marble and Arno. Maintenance access would be through an overhead door at the southeast corner of the façade, which would be designed to appear commercial from Broadway and Lomas, and residential from Marble and Arno. The pond would be about 33 feet deep to contain sufficient volume.

In response to a question from Director Brown, Mr. Bingham stated that building a new pump station would be cheaper than rehabilitating the old one.

Mr. Lovato noted that the 2008 estimated cost of reconstructing the Broadway Pump Station and providing backup power feeders was nearly \$17.6 million. The updated 2013 cost is estimated to be \$23 million, which includes the cost of a half-acre of land that must be purchased from the Post Office for the electrical substation. This cost does not include additional required ponding, which is estimated to be close to 27 acre-feet at a cost of \$5.8 million. The total cost to address inadequate storage and rebuilding the existing Broadway Pump station to address reliability issues is \$28.8 million.

He stated that the cost to build a new pump station, address power reliability and provide required storage to address flooding in the Martineztown area at Marble-Arno is estimated at \$20.7 million, a savings of \$8.1 million.

Mr. Lovato noted that highlights of a new pump station were: a 30 acre-feet wet well, which equals wet-well storage and detention requirements needed somewhere in the basin; six new pumps with six new diesel generators, one for each pump, which will eliminate a possible single point failure; modern bar-screen and entrance works, which will reduce maintenance as compared to the existing or upgraded Broadway Pump Station; a modern pump station control system will allow for more efficient operation of the pumps; hydraulically improves the storm-drain system by diverting flows from Lomas/Arno, thus keeping it from overwhelming



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the Lomas/Broadway intersection; and the ability to reclaim the Interim Post Office Pond as commercial property, with a savings of at least \$2 million.

Director Brown noted that it would cost another \$8 million to go another 10 or 15 feet deep at the Marble-Arno Pond, and suggested it might be better to just keep the pond at Broadway and Lomas. He acknowledged that he would rather not keep the Interim Post Office Pond, but it might be more cost-effective to do so.

Mr. Bingham noted that the new pump station is about \$8 million cheaper than rebuilding the old pump station.

Director Brown suggested that all the alternatives be looked at. Mr. Lovato stated that the options would be studied carefully. Mr. Bingham stated that one goal was to keep as much water out of the junction box at Broadway and Lomas as possible.

Director Hernandez noted that the community wants to get rid of the pond at Broadway and Lomas, and the façade at Marble-Arno could become cutting edge design where limited land is available and the pond needs to be "steep and deep." Director Brown agreed, but noted the cost of a deep pond with a façade is significant. AMAFCA needs to balance community benefits versus cost.

Mr. Bingham stated that the Marble-Arno Pond might be made a bit shallower to save money, but then the capacity would have to be made up at Broadway and Lomas, or at Tijeras and Broadway. Even with the Marble-Arno Pond 33 feet deep, the Air Quality Pond would still be needed.

Responding to a question from Chairman Eichenberg, Mr. Lovato stated that the concept was an alternative to the City's request for funds to help rehabilitate the Broadway Pump Station. The estimates include primary and secondary power sources for the new pumps, and is cheaper than rebuilding the Broadway Pump Station to address the reliability issues. He also noted that the pond and façade could be built without the pump station at a cost of about \$8 million. The new pump station could be built offline then connected once completed, which is better than taking the existing pump station offline to work on it, when it might potentially be needed for flood control.

Director Hernandez commented that getting water off the valley floor is expensive however you do it.

In response to a question from Director Lyon, Mr. Lovato stated that the proposed pond is well above the water table in this location. The reason that the depth of the interim pond at Broadway and Lomas had to be limited was due to the need to have it be level with the storm drain.



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AMAFCA would have preferred it to be level with the pump station wet well, but that was not possible due to utilities along Broadway, and the difficulties of getting more right of way.

**21. Channel Road – Briefing by Melissa Lozoya, City of Albuquerque**

Melissa Lozoya, of the City of Albuquerque, briefed the Board on the City's Channel Road project. The phases of the road had been modified since the last briefing to the AMAFCA Board.

She stated that the phases had changed due to funding issues and right of way acquisition. Phase I of the project, construction of Channel Road from El Pueblo to Hawkins with some improvements on El Pueblo, would be paid for with about \$8 million in FY 2014 and FY 2015 federal funding, and quarter-cent monies in the amount of about \$1.6 million. The estimated construction cost is about \$8 million. She stated that the City had been in touch with AMAFCA staff regarding crossing the North Camino Arroyo and the connection at Masthead, as well as discussing some of the drainage concerns in the area.

She stated that the former Phase I, now Phase II, the roadway from Hawkins to Osuna, will be built with FY 2016 local funds from quarter-cent monies, in the amount of about \$8.3 million. The construction cost is estimated at \$7.3 million, with a crossing over the North Diversion Channel and an intersection at Chappell, with construction in summer 2016. Design has not yet been started on this phase. In response to a question from Chairman Eichenberg, she stated that the project will cause the City to take out a building north of Osuna at Chappell Road. She estimated that the process will take about two years. This alignment was the original alignment from a study done about two years ago, and creates a four-way intersection which will give better access and traffic control.

Ms. Lozoya stated that Phase III of the project will be from the Frontage Road on the north side of Paseo del Norte to Alameda.

In response to questions from Director Thompson, she stated that although this project would probably have helped relieve some of the construction traffic from the Paseo del Norte/I-25 Interchange Reconstruction Project, there was not enough time to get the project done before the Paseo del Norte/I-25 project.

She noted that the new roadway would discharge traffic onto El Pueblo Road. It was not planned to connect the roadway to Paseo del Norte. The improvements to El Pueblo Road in Phase II (after the conclusion of the Paseo/I-25 work) would be so that it could handle the increased traffic load. Director Thomson opined that these improvements on El Pueblo should be made first.



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Ms. Lozoya stated that Phase I will be constructed beginning in Spring 2015, and once that is complete, the El Pueblo improvements will be made in Spring 2016.

In response to a question from Director Brown, she stated that, although the groundbreaking for the Paseo del Norte/I-25 project would be in September, the major construction work on that project would not begin until after the end of the Balloon Fiesta construction moratorium. Traffic patterns will not be changed until about the first of the year.

Ms. Lozoya also noted that the City has a vetting process they have to go through for road naming purposes. Names have to be approved by the City Council. She offered to review the process for the Board, but they were uninterested in hearing about the process at that time.

**22. Proposal to Install Pedestrian Bridge Over the Amole Arroyo – Presentation by Albuquerque Public Schools**

Mr. Bingham used a map to orient the Board to the location of the Robert F. Kennedy (RFK) Charter School, the Amole Arroyo, and the Amole Dam, as well as the proposed site for the Guac Dam. He introduced Ron Burton, an architect on the RFK Charter School Board, and Robert Baade, Director of the RFK Charter School.

Mr. Bingham's memo introduced the bridge project, stating that, as proposed, AMAFCA would allow Albuquerque Public Schools (APS) to fully fund, construct, and maintain the proposed bridge over the Amole Arroyo, as they do at other schools in Albuquerque. If the Board concurred, the Executive Engineer would execute a license for the bridge.

Mr. Burton stated that RFK Charter School is a high school for at-risk students in the south valley. These students respond well to project-based learning set in real-life situations. The school is located adjacent to the Amole Arroyo, across from the Amole Dam. The school would like to develop a bridge project that would span the Amole Arroyo near the school, connecting two bike paths, and connecting the two communities on opposite sides of the arroyo.

He stated that the bridge would be built with student participation as a learning opportunity for the students, and with funding from a Legislative grant and APS. This will involve such activities as model building and fundraising activities. The design engineer will also work with the students. The students may also build portions of the bridge in a modular fashion.

In response to a question from Chairman Eichenberg, Mr. Baade stated that the funding for design and engineering of this project was expected to be released in January 2014. Responding to a question from Director Thomson, Mr. Burton stated that this project does not include extension of the existing multipurpose trails to the bridge. Initial access would be along the maintenance road, which might be improved with asphalt millings.



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Mr. Bingham noted that APS would be maintaining the bridge, as they do at other locations around the city.

The Board did not have any objections to AMAFCA licensing the project. Director Thomson opined that AMAFCA should support the project.

Mr. Bingham noted that the APS Property Director, Martin Eckert, was present, and asked if he had anything to add to the discussion. Mr. Eckert stated that he had nothing to present regarding the bridge. He passed out invitations to the APS Westside Stadium Grand Opening on August 28, 2013. He thanked the Board for their assistance in moving that project along.

Due to a prior engagement, Chairman Eichenberg left the meeting at 1:03 p.m. Vice Chairman Hernandez chaired the meeting in his absence.

**23. Storm Water Quality Update**

Karen Stearns, AMAFCA Stormwater Quality Engineer, reported on water quality in the past month.

She stated that since the beginning of July, a number of impressive storm events have occurred in various locations of the AMAFCA jurisdiction, week after week. The AMAFCA maintenance crews have been busy helping other agencies and clearing AMAFCA's water quality structures. A typical level of maintenance was required at most of the water quality structures, such as the dams, South Diversion Channel, and the Pino. Heavy maintenance was required at the La Cueva due to storms repeatedly hitting that watershed, leaving insufficient time to fully clear the facility between storms. Water quality manholes were scheduled to be cleaned in the next few weeks.

Ms. Stearns noted that the dissolved oxygen (DO) level in the "embayment" area of the North Diversion Channel (NDC) outfall to the Rio Grande typically drops after a storm event and takes well over a week to recover. AMAFCA installed an aeration windmill adjacent to the embayment to deliver oxygen to the water through two diffuser stones. The installation immediately followed a significant storm event and a week after the windmill's installation, the oxygen level was well above the water quality standard minimum of 5 mg/L of DO.

She stated that AMAFCA will continue to monitor the DO in the embayment to determine if any additional measures need to be taken to satisfy the MS4 permit requirements. She noted that, in July, the U.S. Fish and Wildlife Service extended the Biological Opinion for an additional 18 months in order to give AMAFCA additional time to improve the DO conditions.



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Vice Chairman Hernandez gave kudos to those at AMAFCA who had come up with the windmill idea. This solved the issue of getting power out to the Embayment.

In response to a question from Director Brown, Ms. Stearns stated that sizing the windmill was simply a matter of choosing one appropriate for the pond area.

Director Thomson stated that the problem with the DO level can be traced to organics, such as grass clippings, which are washed down the channels and end up in the embayment, where they decompose. He stated that in the future AMAFCA might want to look at the City's ordinances to see if there could be something done to keep yard waste, grass clippings, and leaves out of the gutters.

She stated that AMAFCA's PCB sampling program for 2013 had been submitted to EPA. AMAFCA will sample the North Camino and Grantline Channels upstream of the NDC in an attempt to isolate the source of PCBs, as these were the only two channels within the NDC watershed in which PCBs were detected. AMAFCA will also sample the Rio Grande upstream and downstream of the NDC outfall to see if PCBs are present.

Ms. Stearns stated that the existing MS4 Permit requires AMAFCA to conduct site inspections on its own construction projects which disturb one acre or more. In July, she implemented a form for documenting such inspections, and has completed inspections on one-third of the construction sites. The remaining sites will be inspected in the coming months. She stated that Sarah Holcomb, from NMED, will provide training on construction site inspections to AMAFCA staff and individuals from the other Middle Rio Grande MS4s. Twenty-seven people are expected to attend. These inspections are to ensure that the contractors are following the Storm Water Pollution Prevention Plan (SWPPP) for each construction site.

She stated that she had reviewed the City's proposed modifications to the Drainage Ordinance, and had submitted a letter to City staff with AMAFCA's comments. The comments requested that the Drainage Ordinance exclude AMAFCA and other MS4s from the definition and requirements of Developers; be consistent with the existing MS4 Permit and allow use of alternatives such as offsite mitigation, payment in lieu, and other alternatives per EPA approval; include a termination trigger for the Stormwater Quality Permit consistent with the Notice of Termination under the Construction General Permit (CGP); be consistent with the requirement of the CGP regarding self-inspection timing; and only require a Stormwater Quality Permit on sites less than one acre only if the site contains contaminated soils, deleting the "or pre-existing environmental impairment" phrase.

Director Brown commented that instead of calling the City's ordinance a "Drainage Ordinance," it should be called a "Construction Site Drainage Management Ordinance" as that is what most of the ordinance is about. He noted that overall drainage and overall water quality are watershed



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issues, and construction runoff is a site-specific issues. He opined that site-specific and watershed issues should not be combined in the same ordinance. Separating the two types of drainage into two or three documents would simplify the documents significantly, making them easier to understand and follow.

Vice Chair Hernandez agreed.

She noted that AMAFCA had received copies of all public comments submitted to the EPA regarding the draft watershed-based permit. These comments are on file at AMAFCA.

**24. AMAFCA Real Estate**

**a. Notification of Issuance of One Short Term Recreational License**

Jeff Willis, AMAFCA Real Estate Manager, stated that the Executive Engineer had issued one short term recreational license in the past month, for an August 24, 2013 cross country race at the North Domingo Baca Dam. AMAFCA had received the APS Certificate of Liability Insurance which named AMAFCA as the certificate holder.

In response to a question and comment from Director Brown, Mr. Willis stated that once the dates of three other races are finalized, a license for those three races will be issued.

Vice Chairman Hernandez mentioned that he had heard of a "skate park party" at the South Domingo Baca Arroyo the previous weekend. Mr. Lovato stated that AMAFCA had learned of this event on Monday, August 19, and that it was not a licensed event.

Mr. Willis stated that complaints began coming in at 8:00 a.m. on Monday. Staff had immediately dispatched the maintenance crew to take care of the South Domingo Baca, just east and west of the crossing at Tramway. The bike and skateboard ramps, metal skate rails, trash, and sofa were removed, and the site's access control beefed up. He followed up that afternoon with local residents.

**25. Update on Emergency Action Plans**

Mr. Lovato noted that AMAFCA's Emergency Action Plan for Dams was provided to the Office of the State Engineer-Dam Safety Bureau (OSE-DSB) on August 2, 2013. Their acceptance for filing is pending. It is a two-volume document, similar to the OSE-accepted Dam Operations and Maintenance Manual. At this time, Volume 2 contains the Pino Dam and Boca Negra Dam mapping and dam-specific information. Work is underway to include the North Domingo Baca Dam in the near future. Emergency Managers from the City of Albuquerque, Bernalillo County, and State of New Mexico have all endorsed and signed this document and consider it in force. It



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is considered a "living" document that will be updated with the latest information as it becomes available.

He also briefly mentioned the upcoming September 18 Bernalillo County emergency exercise, which had been discussed earlier in the meeting. AMAFCA will participate in order to exercise its own EAP and determine what works well and what should be improved.

Mr. Lovato noted that Chuck Thompson of the OSE-DSB was present. Mr. Thompson stated that he was happy to be invited and was planning on attending the emergency exercise. He stated he appreciated AMAFCA's efforts to maintain the facilities and get the emergency action plans in place. He stated that his office would do everything they could to help AMAFCA make sure the dams meet state regulations.

**26. Update on the Extreme Precipitation Evaluation Tool (EPAT)**

Mr. Lovato briefed the Board on the status of the Extreme Precipitation Evaluation Tool (EPAT).

He noted that the motivation for developing the EPAT was the sense in the Office of the State Engineer Dam Safety Bureau (OSED SB), and in the dam owner and engineering community, that the current HMR 55A PMP (Probable Maximum Precipitation) rainfall values were unreasonably large in many cases, particularly at higher elevations, above 6,000 feet. The consensus was that there was a need for a technically defensible standard of practice for PMP.

He stated that obstacles related to implementation of EPAT within New Mexico were identified, with the biggest issues being: the need to convene a Board of Consultants to FERC standards to peer-review the meteorology and dew-point climatology records (estimated to cost \$100,000); update the EPAT to run on a current operating system (Windows 7 or 8) (estimated to cost \$40,000); conduct additional testing to produce reasonably consistent results, provide confidence in the results, and determine model input sensitivities (estimated to cost \$30,000); and enhance the tool by utilizing it to develop temporal distributions for each of the twelve climate zones of New Mexico, which also may be beneficial to estimate smaller events such as the half-PMP (estimated to cost \$15,000).

In addition, he stated that expanding the EPAT to include the entire state of New Mexico and perhaps the El Paso region would cost about \$200,000.

He stated that he had discussed the above with many entities. The Natural Resources Conservation Service (NRCS) (\$10,000), Office of the State Engineer (\$25,000), and the New Mexico Watershed and Dam Owners Coalition (NMWDOC) (\$50,000) have all indicated their willingness to help fund the project. The Southern Sandoval County Flood Control Authority (SSCAFCA) and the City of Albuquerque have expressed a desire to participate, but have not





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committed funding. He reported that he had held only cursory discussions with the Corps of Engineers, Elephant Butte Irrigation District (EBID) and the City of El Paso.

He reported that the NRCS is ready to sign a funding agreement, which had been through legal review and was ready for the Board's approval. He stated that he would have funding agreements to address funding from the NMWDOC and the OSE at the next Board meeting.

In response to a question from Director Thomson, Mr. Lovato stated that he had not identified how much AMAFCA's portion of the funding would be. It could be as much as \$100,000 to \$150,000. AMAFCA would serve as the fiscal agent for the project.

Director Thomson noted that there were other parties who could be called upon to partner in the study, including the EBID, SSCAFCA, and others. Mr. Lovato stated that those agreements would be made in the coming months. Director Thomson stated he wanted to be certain that AMAFCA would not be the only agency contributing significant amounts of money. The \$10,000 is not a very large amount of money, but offers some federal legitimization of the EPAT.

Director Thomson made a motion that the Board authorize the Executive Engineer to sign the funding agreement with NRCS on behalf of AMAFCA. Director Brown seconded the motion.

Vice Chairman Hernandez recognized Craig Hoover, the President of NMWDOC. Mr. Hoover stated that NMWDOC had pledged \$50,000 towards the study to update EPAT.

The motion passed (4-0). Chairman Eichenberg was not present at the time of the vote.

**27. AMAFCA FY 2014 Project Schedule – Review of Region 4**

Brad Bingham, AMAFCA Drainage Engineer, briefed the Board on the proposed projects in Region 4 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.



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Mr. Bingham's memo stated that four regions had been developed, to more evenly allocate projects within AMAFCA's jurisdiction. Region 4 was in the north valley, mid valley, and southeast valley, north of the Tijeras Arroyo.

His memo explained that the 60 projects planned for this region included the Alameda Drain Hydraulic Study, Marble/Arno Pond and Pump Station, Barelás and Alcalde Pump Station Outfall Water Quality Projects, the South Diversion Channel Grade Control Structure Water Quality Facility, and the North Fourth Street Storm Drain.

Vice Chairman Hernandez briefly left the meeting at 1:30 p.m. Director Brown chaired the meeting in his absence.

No Board action was required. There were no objections to the projects listed. Mr. Bingham stated that the draft Project Schedule would be brought to the Board in October.

**28. Unfinished Business**

Director Brown noted that the main item of unfinished business to be dealt with was passing the revised Resolution 2013-07 from agenda item 14. As Vice Chairman Hernandez was out of the room at the time, Director Brown moved on to agenda item 29.

**29. New Business**

Director Lyon asked if AMAFCA had ever gone outside of its geographical boundaries to deal with flood control, specifically asking about Kirtland Air Force Base and eastern Bernalillo County (i.e., the mountains).

Vice Chairman Hernandez returned to the meeting at 1:32 p.m. and resumed chairing the meeting.

Mr. Lovato stated that according to AMAFCA's enabling legislation, AMAFCA can operate outside of its geographical boundaries if the situation affects the welfare of AMAFCA's constituents. He gave the following examples: Avulsion One is on Sandia Pueblo, and AMAFCA has been seeking to do this project for decades, because it would protect a portion of northeast Albuquerque. AMAFCA has sought to do projects on the Isleta Pueblo that would reduce the amount of water in the Isleta Drain, which directly affects flooding in the south valley. This project was supported by the Isleta Pueblo, but not by the Middle Rio Grande Conservancy District, so the project did not occur.

Director Thomson noted that he and Mr. Lovato would be speaking with representatives of Kirtland Air Force Base the following week, to discuss flooding there.



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**28. Unfinished Business**

The Board returned to consideration of Resolution 2013-07 which was the subject of agenda item 14. Vice Chairman Hernandez noted that the residential mill levy rate in the resolution had been reduced per the Board's decision earlier in the meeting, from 0.179 to 0.176.

Director Brown made a motion that the Board adopt Resolution 2013-07 *Ad Valorem Tax Levy for Tax Year 2013, Applicable to General Operating Fund*. Director Lyon seconded the motion, which passed unanimously (4-0), on a roll-call vote. Chairman Eichenberg was not present at the time of the vote.

**30. Adjourn**

There being no further business to come before the Board, Vice Chairman Hernandez adjourned the meeting at 1:35 p.m.

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Ronald D. Brown, Assist. Secretary-Treasurer, 9/26/2013

Recorded by Pamela Woodruff, Executive Administrative Assistant