

# LOWER RIO GRANDE PUBLIC WATER WORKS AUTHORITY

## Minutes—REGULAR BOARD OF DIRECTORS MEETING

9:30 a.m. Wednesday, March 16, 2016 at our East Mesa Office, 9774 Butterfield Park Blvd. Las Cruces, NM

NOTE: Minutes are a DRAFT until approved & signed by the Board of Directors

- I. **Call to Order, Roll Call to Establish Quorum:** Chairman Roberto Nieto called the meeting to order at 9:40 a.m. and called the roll. Mr. Raymundo Sanchez representing District #1 was absent, Ms. Alma Boothe representing District #2 was absent, the seat on the Board for District #3 is currently vacant, Mr. John Holguin representing District #4 was present, Mr. Nieto representing District #5 was present, Mr. Mike McMullen representing District #6 was present, and Mr. Furman Smith representing District #7 was present. Staff members present were General Manager Martin Lopez, Operations Manager Mike Lopez, Finance Manager Kathi Jackson, Projects Manager Karen Nichols, and Projects Specialist Liza Lopez. Prospective Board Members Blanca Martinez and Joe Evaro attended this meeting, and Espie Holguin from HUD was also present.
- II. **Pledge of Allegiance:** Karen Nichols led the pledge.
- III. **Motion to approve the Agenda:** Mr. McMullen made the motion to approve the Agenda and Mr. Smith seconded the motion. The motion carried with none opposed.
- IV. **Motion to approve the minutes of the February 17, 2016 Regular Board Meeting:** This motion was postponed until the April 20, 2016 Regular Board meeting because the date on the minutes was incorrect.
- V. **Guest Presentations – NONE**
- VI. **Public Input—15 minutes total allotted for this item, 3 minutes per person – NONE**
- VII. **Managers' Reports**
  - A. **General Manager:** Mr. Martin Lopez provided a written report and stood for questions. Mr. Martin Lopez clarified that the printing of LRGPWWA bills had been outsourced but not the billing process itself. Mr. Martin Lopez informed the board that because of the new billing system the current bill had gone out late and no late fees would be imposed. Mr. Smith informed Mr. Martin Lopez that the Organ Post Office has been closed temporarily and residents must drive to Dona Ana to pick up their mail, so late payments from the East Mesa area may be expected. Mr. Holguin inquired about the outcome of the meeting that Martin Lopez had with Stephanie Paladio from the University of Oklahoma. Mr. Martin Lopez explained that Ms. Paladio was primarily interested in obtaining irrigation and surface water information. Mr. Martin Lopez told the board that staff had just been through an intensive 2 week training session with Tyler in reference to the billing system and that staff was becoming more proficient and comfortable with the change in systems. He added that the work was more streamlined and that the inventory portion of the system is being worked on. Mr. Holguin asked Mr. Martin Lopez about the timeline on the reassessment of LRGPWWA District boundaries. Mr. Martin Lopez informed him that the re-districting would occur in January 2017.
  - B. **Operations:** Mr. Mike Lopez provided a written report and stood for questions. Mr. Holguin asked Mr. Mike Lopez about the lower water production rate for 2016, as compared with 2015. Mr. Mike Lopez attributed this to people being more conservative with water usage, perhaps as a result of an increase in water rates. Mr. Nieto asked Mr. Mike Lopez about the problems with the Arroyo Well. Mr. Mike Lopez responded that they had been receiving calls about "dirty water." Operators shut everything off, emptied tanks and back-flushed lines. He stated that operators had cleared transmission and distribution lines and have continued flushing the lines in an effort to correct the problem. Mr. Mike Lopez anticipates putting the Arroyo well back online sometime next week.

- C. **Projects:** Ms. Karen Nichols provided a written report and stood for questions. Ms. Karen Nichols informed the Board that the purchase of the Valle Del Rio water system had gone very smoothly and a Notice To Proceed had been issued to Souder, Miller and Associates for the upgrades to the system. Mr. Martin Lopez congratulated Karen Nichols on obtaining Capital Outlay funding. This funding will be used for SCADA work and the purchase of rugged laptops/tablets for use in the field.
  
- D. **Finance:** Ms. Kathi Jackson stood for questions. She told the Board that the transfer of data to the new billing system had gone well. She discussed the recent on-site training provided by Tyler and said staff was adjusting well to the changes involved in implementing the new billing software. She informed the Board that Benita Evaro, who handles Procurement, had moved to the LRGPWWA office in Brazito and that Tony Duarte had been re-assigned to Brazito to help Benita in the warehouse. Kathi Jackson and Martin Lopez also informed the Board that the LRGPWWA may send out an RFP for a new auditor due to the departure of the LRGPWWA's current auditor.

**VIII. Unfinished Business : None**

**IX. New Business**

- A. **Motion to authorize Public Meetings for ICIP, request SCCOG assistance with the ICIP and authorize SCCOG to access the ICIP database on behalf of the LRGPWWA:** Karen Nichols advised the Board that she had set up a meeting with Tiffany Goolsby of the SCCOG regarding the ICIP. She stated that the information provided in the ICIP database would be invaluable to the LRGPWWA and there was no cost to access this information. Written authorization would be needed to access the ICIP database, and she would like to have two public meetings regarding the ICIP. The deadline for this is June 15, 2016. Mr. Holguin made the motion to request SCCOG assistance with the ICIP, authorized two public meetings and authorized the SCCOG to access the ICIP database on behalf of the LRGPWWA. Mr. Smith seconded the motion and the motion carried with none opposed.
  
- B. **Motion to authorize the General Manager to hire a new operator/operator trainee:** Mr. Martin Lopez informed the Board that one of the LRGPWWA's senior Operations personnel, Tony Duarte, had been transferred to the Finance Department to assist with Procurement at the Brazito Office. He requested authorization to hire a new operator/operator trainee to fill this vacancy. Mr. Holguin made the motion to authorize the hiring of a new operator/trainee. Mr. Smith seconded the motion and the motion passed with none opposed.
  
- C. **Motion to authorize the purchase of a 5<sup>th</sup> truck using USDA Vehicle Funding:** Mr. Martin Lopez told the Board that there would be enough USDA funding left after the purchase of 4 trucks, and using \$6,700 in General Funds, to purchase another truck. Mr. Martin Lopez requested authorization from the Board to purchase this 5<sup>th</sup> vehicle. Mr. Holguin made the motion to authorize the purchase of a 5<sup>th</sup> truck and Mr. McMullen seconded the motion. The motion carried with none opposed.
  
- D. **Appointment of Director to fill District 3 vacancy:** Mr. John Holguin took a moment to remember former Board member, Mr. Cali Tellez, who passed away in January of 2016. Mr. Martin Lopez advised the Board that a letter seeking interested persons to fill the vacancy on the Board had been sent out and that two individuals had responded to the letter: Ms. Blanca Martinez, who had been on the LRGPWWA Board previously, and Mr. Joe Evaro, who had served on the Board of the La Mesa Mutual Domestic System prior to its incorporation with the LRGPWWA. Both Ms. Martinez and Mr. Evaro were present at today's Board meeting. Mr. Martin Lopez reminded the Board that the LRGPWWA needed to fill the vacancy on the Board within 45 days and that the person who would be appointed as a Board member would only serve until the 2017 elections were held. Mr. Holguin stated that he felt that both candidates were qualified but he expressed concern that Mr. Evaro's wife, Benita Evaro, is employed by the LRGPWWA and

this might present a conflict of interest. Mr. Holguin then nominated Ms. Blanca Martinez to be on the Board. Mr. Smith then nominated Mr. Joe Evaro to be on the Board and voted for Mr. Evaro. Mr. McMullen voted for Ms. Blanca Martinez. Mr. Nieto expressed that he felt both candidates had good qualities, experience, and dynamics to bring to the Board and ultimately voted for Ms. Blanca Martinez. Mr. Nieto thanked both candidates for applying, and Ms. Blanca Martinez was appointed as the Director to fill the District 3 vacancy.

- E. Motion to approve Amendment #3 to Bohannon Huston, Inc. contract for Surface/Brackish/Groundwater Well Project contingent upon NMED-CPB approval:** Ms. Karen Nichols advised the Board that the LRGPWWA was coming up against a 4 year statutory deadline in July of 2016 for the engineering contract for this project, and the funding expires in 2017. She stated that the scope of Amendment #3 would have to be reduced to what could be accomplished by the statutory deadline and the project would have to be re-RFP'ed before July of 2016. She asked the Board to approve Amendment #3 contingent upon NMED-CPB approval and contingent upon the reduction in scope to what the engineering firm can accomplish before the statutory deadline. Mr. Holguin made the motion to approve Amendment #3 under the contingencies stated by Ms. Nichols and Mr. McMullen seconded the motion. The motion carried with none opposed.
  
- X. Other discussion and agenda items for next meeting:**
  - A. Presentation from Mr. Mattiace, Executive Director of the New Mexico Border Authority:** Mr. Mattiace has been contacted and will provide a presentation to the Board at its next meeting on April 20, 2016.
  
  - B. Administer Oath of Office to Blanca Martinez, newly appointed Board member**
  
  - C. Approve 3<sup>rd</sup> Quarter Budget Report with Resolution**
  
  - D. Draft ICIP**
  
  - E. RFP for Audit Services**
  
- XI. Adjourn:** Mr. Holguin made the motion to adjourn. Mr. Smith seconded the motion and it carried unanimously. Mr. Nieto declared the meeting adjourned at 10:25 a.m.

**Minutes approved April 20, 2016**

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Roberto Nieto, Chairman (District 5)

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John Holguin, Vice-Chairman (District 4)

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ABSENT  
Alma Boothe, Secretary (District 2)

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ABSENT  
Raymundo Sanchez, Director (District 1)

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VACANT  
Director (District 3)

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Michael McMullen, Director (District 6)

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Furman Smith, Director (District 7)





# Lower Rio Grande Public Water Works Authority

Sign In Sheet      Page 1 of     

Date: March 16, 2016      Time: 9:30 AM      Places: EAST MESA OFFICE      Event: Regular Board Meeting

Signature	Print Name, Title, Company or Agency Represented	Contact Information	Email Address
<i>Michael Quimellen</i>	MICHAEL QUIMELLEN REGPWA DIRECTOR	970-302-7852	
<i>[Signature]</i>	MARSHALL COPEL REGPWA	575 571 3628	
<i>[Signature]</i>	MATTHEW JOHNSON REGPWA Finance Manager	(575) 640-4330	
<i>[Signature]</i>	JOSE REYANO	575 618 0182	
<i>[Signature]</i>	Blanca Martinez	575 642-3551	
<i>[Signature]</i>	Robert Nieto	575-636-3851	
<i>[Signature]</i>	LIA Lopez	575-233-5142	
<i>[Signature]</i>	FURMAN SMITH	382 5982	SPACE
<i>[Signature]</i>	Maria Lopez	(575) 635-3921	
<i>[Signature]</i>	Karen Nichols	915 203 2050	Karen Nichols WRB Authority, OR
<i>[Signature]</i>	Julia Hidalgo	375-625-9007	Julia Hidalgo
<i>[Signature]</i>	traci	575-635-1289	

CC

# LOWER RIO GRANDE PUBLIC WATER WORKS AUTHORITY

## Meeting Notice & Agenda—REGULAR BOARD OF DIRECTORS MEETING

9:30 a.m. Wednesday, March 16, 2016 at our East Mesa Office, 9774 Butterfield Park Blvd.

Agendas are final 72 hours prior to the meeting and may be obtained at any LRGPWWA Office—call 575-233-5742 for information

- I. Call to Order, Roll Call to Establish Quorum: District #1 (Mr. Sanchez) \_\_\_\_, #2 (Ms. Boothe) \_\_\_\_, #3 (vacant) \_\_\_\_, #4 (Mr. Holguin) \_\_\_\_, #5 (Mr. Nieto) \_\_\_\_, #6 (Mr. McMullen) \_\_\_\_, #7 (Mr. Smith) \_\_.
- II. Pledge of Allegiance
- III. Motion to approve the Agenda
- IV. Motion to approve the minutes of the February 17, 2016 Regular Board Meeting
- V. Guest Presentations: NONE
- VI. Public Input—15 minutes total allotted for this item, 3 minutes per person
- VII. Managers' Reports
  - A. General Manager
  - B. Operations
  - C. Projects
  - D. Finance
- VIII. Unfinished Business: None
- IX. New Business:
  - A. Motion to Authorize Public Meetings for ICIP, request SCCOG assistance with the ICIP, and authorize SCCOG to access the ICIP database on behalf of the LRGPWWA
  - B. Motion to Authorize the General Manager to hire a new operator/operator trainee
  - C. Motion to Authorize the purchase of a 5<sup>th</sup> truck using USDA Vehicle Funding
  - D. Appointment of Director to fill District 3 vacancy
    1. Blanca Martinez Letter of Interest
    2. Joe Evaro Letter of Interest
  - E. Motion to approve Amendment #3 to Bohannon Huston, Inc. contract for Surface/Brackish/Groundwater Well Project contingent upon NMED-CPB approval
- X. Other discussion and agenda items for **next meeting, 9:30 a.m., April 20, 2016, at the La Mesa Office:**
  - A. Presentation from Mr. Mattiace, Executive Director of the New Mexico Border Authority, regarding the proposed Santa Teresa International Rail project.
  - B. Authorize informal RFP for "As Needed" engineering services for small projects for FY2017-20
- XI. Adjourn

If you are an individual with a disability who is in need of a reader, amplifier, qualified sign language interpreter, or any other form of auxiliary aide or service to attend or participate in the hearing or meeting, please contact the LRGPWWA office at 575-233-5742, PO Box 2646, Anthony NM 88021 OR 215 Bryant St., Mesquite NM at least one week prior to the meeting or as soon as possible. Public documents, including the agenda and minutes, can be provided in various accessible formats. Please contact the LRGPWWA office if a summary or other type of accessible format is needed.

Si usted es una persona con una discapacidad que necesita un lector, amplificador, intérprete de lenguaje de signos o cualquier otra forma de ayudante auxiliar o de servicio para asistir o participar en la audiencia o reunión, póngase en contacto con la oficina de LRGPWWA, 575-233-5742, PO Box 2646, Anthony, NM 88021 o 215 Bryant St., Mesquite, NM por lo menos una semana antes de la reunión o tan pronto como sea posible. Documentos públicos, incluyendo el orden del día y actas, pueden proporcionarse en diferentes formatos accesibles. Póngase en contacto con la oficina LRGPWWA si es necesario un resumen u otro tipo de formato accesible.

# LOWER RIO GRANDE PUBLIC WATER WORKS AUTHORITY

## Minutes—REGULAR BOARD OF DIRECTORS MEETING

9:30 a.m. Wednesday, February 17, 2016 at our East Mesa Office, 9774 Butterfield Park Blvd. Las Cruces, NM

NOTE: Minutes are a DRAFT until approved & signed by the Board of Directors

- I. **Call to Order, Roll Call to Establish Quorum:** Chairman Roberto Nieto called the meeting to order at 9:31 a.m. and called the roll. Mr. Raymundo Sanchez representing District #1 was absent, Ms. Alma Boothe representing District #2 was present, the seat on the Board for District #3 is currently vacant, Mr. John Holguin representing District #4 was absent, Mr. Nieto representing District #5 was present, Mr. Mike McMullen representing District #6 was present, and Mr. Furman Smith representing District #7 was present. Staff members present were General Manager Martin Lopez, Operations Manager Mike Lopez, Finance Manager Kathi Jackson, Projects Manager Karen Nichols, and Projects Specialist Liza Lopez. Matt Dyer, an engineer with Parkhill, Smith & Cooper was also present.
- II. **Pledge of Allegiance:** Martin Lopez led the pledge.
- III. **Motion to approve the Agenda:** Mr. McMullen made the motion to approve the Agenda and Ms. Boothe seconded the motion. The motion carried with none opposed.
- IV. **Motion to approve the minutes of the January 20, 2016 Regular Board Meeting and the November 18, 2015 Regular Board Meeting:** Mr. McMullen made the motion to approve the minutes of the January 20, 2016 Regular Board Meeting and Ms. Boothe seconded the motion, with all in favor. Mr. McMullen then made the motion to approve the minutes of the November 18, 2016 Regular Board Meeting. Ms. Boothe seconded that motion and it also passed with none opposed.
- V. **Guest Presentations – NONE**
- VI. **Public Input—15 minutes total allotted for this item, 3 minutes per person – NONE**
- VII. **Managers' Reports**
  - A. **General Manager:** Mr. Martin Lopez provided a written report and stood for questions. Mr. Smith asked Mr. Martin Lopez if new trucks had been purchased. Mr. Martin Lopez responded that the loan for the vehicles had closed but the grant agreement needed to be signed before the vehicles could be purchased. He also stated that the State's 2016 vehicle list was out and that the LRGPWWA would be able to purchase 2016 models instead of 2015 models. Mr. Martin Lopez passed out the agenda for the upcoming Vado Historical Society Meeting and described the upcoming breakfast that will be hosted for the LRGPWWA by Citizen's Bank. Mr. Martin Lopez also told the board that the transition to the new billing software is ongoing and that the billing program is scheduled to go live on March 1, 2016.
  - B. **Operations: (This item was taken out of order; this report followed the Projects Report)** Mr. Mike Lopez provided a written report and stood for questions. Mr. Nieto asked Mr. Mike Lopez where the 12 services had been removed and Mr. Mike Lopez replied that they had been removed from the Butterfield Park/Organ system, and that 5 more LRGPWWA members were due to have their services removed as well because of failure to pay membership fees. Karen Nichols asked Mr. Mike Lopez how the main water lines at Valle del Rio would be scoured and Mr. Mike Lopez replied that high water pressure would be used. He also stated that the customers in the Valle del Rio system would be sent notices regarding the upcoming line scouring/water shut-off. Radio Read Meters are also scheduled to be installed on the Valle del Rio system.
  - C. **Projects: (This item was taken out of order; this report followed the General Manager's Report)** Ms. Karen Nichols provided a written report and introduced Matt Dyer, an engineer with Parkhill, Smith & Cooper, the firm that is working on the water line extension project. Mr. Dyer provided an overview and

update of the project and stood for questions. Mr. Nieto asked Mr. Dyer if it would cost anything to get the waiver on the easements. Mr. Martin Lopez told the Board if anyone in the project area failed to provide an easement that would be where the water line would stop. He stated that it was important to expedite this project and use the funds that were available to complete this work. Mr. Nieto asked Mr. Dyer how many days had been allocated for construction. Mr. Dyer stated that right now he had 150 calendar days scheduled. Mr. Dyer also pointed out that Elephant Butte Irrigation District has ground water monitoring stations throughout the valley and he was coordinating with EBID to get the database with the elevations of these monitoring stations in order to correlate that with the Geo-Tech report to avoid problems with the ground water contours. Ms. Nichols also stated that she had been in contact with the Attorney for the LRGPWVA to file a claim with the bonding company of Western Building and Development, the contractor on the Brazito Project. To date this project has not been completed and/or accepted. The Contractor has negotiated with Dona Ana County to remove and replace 2" of asphalt in the east lane of Calle de Brazito, which the County agreed to, but he has failed to respond with a schedule for doing the work. Mr. Martin Lopez also told the Board that the LRGPWVA was on the Capital Outlay Projects list and was requesting funds for SCADA work and rugged laptops/tablets that could be used by operators in the field to generate and complete work orders.

- D. Finance:** Ms. Kathi Jackson stood for questions. She described the challenges with transitioning to the new Billing System, which is scheduled to go live on March 1, 2016. She told the Board that LRGPWVA staff had attended classroom training and have been receiving hands-on training with the new Tyler system.

**VIII. Unfinished Business : None**

**IX. New Business**

- A. Appointment of a new Director for District 3:** Mr. Martin Lopez explained that due to the unexpected passing of Mr. Carlos Tellez, Board Director for District 3, there is now a vacancy on the Board of the LRGPWVA which must be filled within 45 days. He requested authorization from the Board to send out a letter to residents in District 3 in order to find someone who would be eligible and interested in filling this position. He added that the appointment would be for a little over a year, until the Board elections in 2017. Mr. McMullen made the motion to authorize the mailing of this letter and Ms. Boothe seconded the motion. The motion passed with none opposed.
- B. Motion to adopt the proposed Amendment to the LRGPWVA Employee Policy Manual:** Mr. Martin Lopez explained that this amendment would clarify the information provided in the Policy Manual regarding existing health care benefits and the retirement plan, as well as outlining when donated leave can be used in sections 4.01 and 4.02 of the Employee Policy Manual. Ms. Boothe made the motion to adopt the proposed amendment and Mr. Smith seconded this motion. This motion passed with none opposed.
- C. Motion to assign new members from Valle Del Rio to District 6, pending redistricting for 2017 election:** Mr. Martin Lopez explained that the membership numbers in both Districts 3 and 6 had been examined and because there were fewer members in District 6, new members to the LRGPWVA from Valle Del Rio should be assigned to this district for the 2017 LRGPWVA Election. Mr. McMullen made the motion to assign these new members to District 6 and Mr. Smith seconded the motion. The motion passed with none opposed.
- D. Motion to approve proposed Engineering Services Agreement with Souder, Miller & Associates for the Valle Del Rio Water System Improvements Project contingent upon NMED-CPB approval:** Ms. Karen Nichols discussed the proposed agreement. Ms. Boothe made the motion to approve the proposed agreement and Mr. McMullen seconded the motion. The motion passed with all in favor.

- E. Motion to adopt proposed Amendment to the LRGPWWA Member/Customer Service Policy:** Mr. Martin Lopez and Mr. Mike Lopez both told the board that there are situations where people have broken sewer pipes that are causing an environmental/health hazard. In these cases the water service needs to be shut off until the pipes are repaired. Mr. Martin Lopez stated that this amendment would clarify the LRGPWWA's authority to disconnect water service to these customers until the repairs are made. Ms. Boothe made the motion to adopt the proposed amendment. Mr. McMullen seconded the motion and it passed with all in favor.
- F. Motion to accept the FY-2015 State Auditor's Report:** Mr. Martin Lopez told the Board that there had been a Finding on the audit in regard to internal controls on fixed assets for the 2015 fiscal year. Ms. Kathi Jackson explained the audit process that had taken place in December of 2015 and the difficulties with the auditors, their timeframe and delayed requests for information. She explained that the audit was supposed to take place in October of 2015 but did not actually take place until December of 2015, allowing only 15 days for the audit to be completed. Martin Lopez told the Board that he anticipates the record keeping issues pointed out in the audit will be taken care of with the new software that the LRGPWWA is transitioning to this year. Mr. McMullen made the motion to accept the FY-2015 State Auditor's Report and Ms. Boothe seconded the motion. The motion passed with none opposed.
- X. Other discussion and agenda items for next meeting:**

  - A. Request presentation from Mr. Mattiace, Executive Director of the New Mexico Border Authority:** Mr. Martin Lopez stated that he would attempt to contact Mr. Mattiace in order to request a presentation regarding the Santa Teresa Rail Study.
  - B. Authorize Public Hearings for ICIP:** Ms. Karen Nichols stated that she could ask Tiffany Goolsby, a planner with the South Central Council of Governments, to give a presentation to the Board on the ICIP. Mr. Nieto stated that would be a good idea.
- XI. Adjourn:** Ms. Boothe made the motion to adjourn. Mr. Smith seconded the motion and it carried unanimously. Mr. Nieto declared the meeting adjourned at 10:25 a.m.

**Minutes approved April 20, 2016**

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Roberto Nieto, Chairman (District 5)

ABSENT

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John Holguin, Vice-Chairman (District 4)

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Alma Boothe, Secretary (District 2)

ABSENT

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Raymundo Sanchez, Director (District 1)

VACANT

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Director (District 3)

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Michael McMullen, Director (District 6)

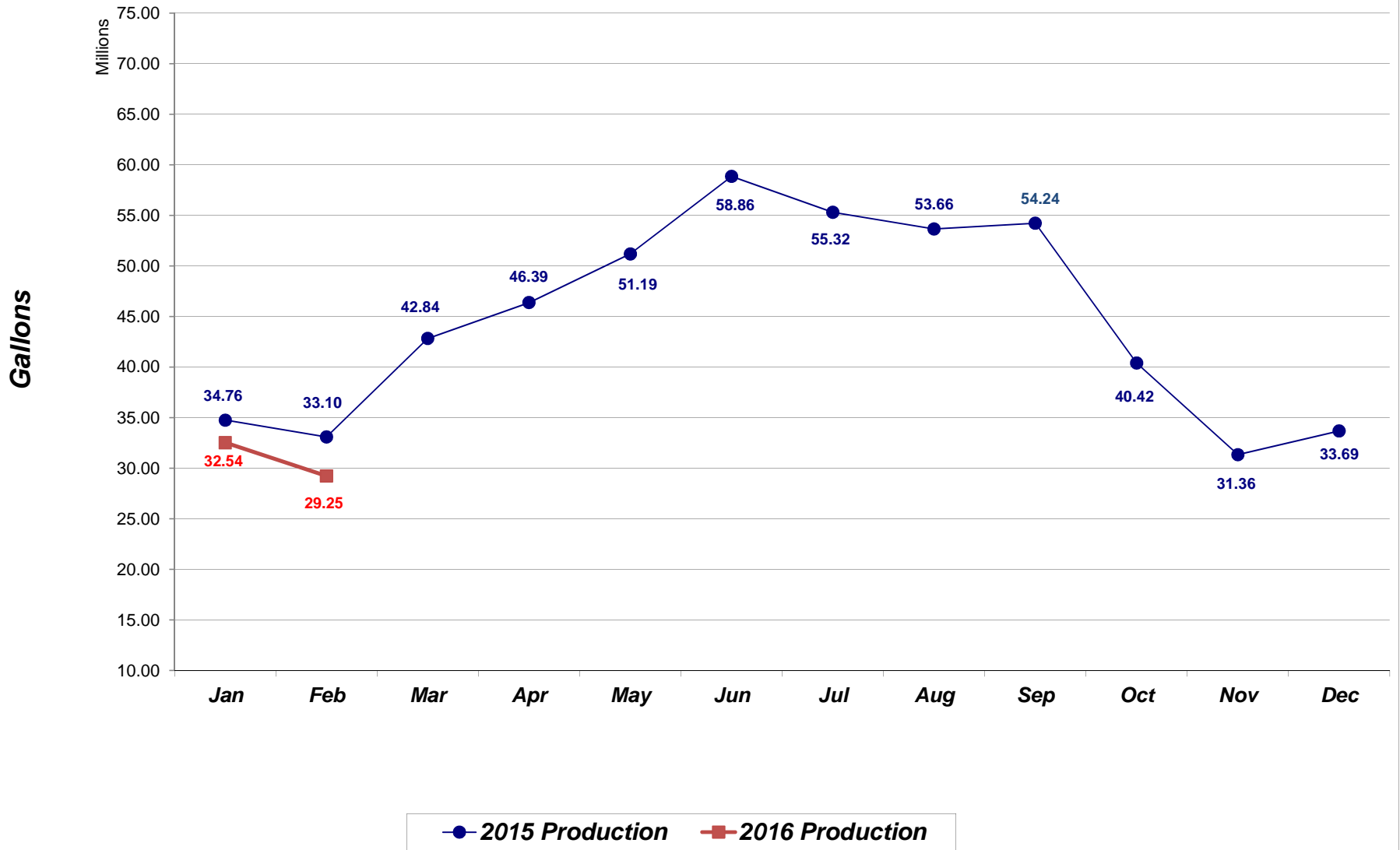
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Furman Smith, Director (District 7)

**LRGPWWA**  
**Manager's Report**  
**March 16, 2016**

- Valle Del Rio Water System Purchase is complete; all documents have been filed: NM OSE; NMED; Tax & Revenue; Dona Ana County; etc.
- Tyler Financial/Billing Program has gone live, office staff had two weeks of hands-on training
- Outsourced billing to vendor-delayed bills about 11 days due to changes in billing format and Tyler program (ensure all customer data was correct)
- Meeting with Stephanie Paladio, PhD; University of Oklahoma-interview discussing impact of drought conditions on LRGPWWA operations
- Had an antenna tower installed at Mesquite, which is taller and sturdier than the current mast and which will be able to give better internet and intranet service to all the offices

# Lower Rio Grande PWWA Water Production Report





# Lower Rio Grande PWWA

## Operators Report

March 16, 2016

### System Problems and Repairs:

- Backflow inspections are current.(Mesquite District)
- The wetlands project continues.
- Well # 6 has been operating well.
- For the Month of January we were issued 185 work orders.
- We are no longer using the Continental billing program so I can't tell you how many work orders have been issued for the months of February and March until the new billing program is up and running.
- The Arroyo Well was put back into service in January; however, we started getting dirty water calls so I told JJ to take it off line and resume flushing.
- We had 8 new services for the month of February.
- Suspiro Tank SCADA is back on line, JJ and I, with some help from Dean with PSC, got it going.

**NMED:** All of our Monthly Bac-T-Samples were taken for the month of March and all samples were negative.

**Mesquite District Wetlands:** Demo continues.

**Mesquite Sewer Report:** Sent in February 2016

**Chlorine:** No problems.

**Reports:** NMED, State Engineers, and the water conservation reports have been sent.

**LOWER RIO GRANDE PUBLIC WATER WORKS AUTHORITY  
PROJECTS REPORT – 3/16/16 BOARD OF DIRECTORS MEETING**

**Authority Construction Projects:**

**LRG: 11-02.1 - Mesquite Wastewater Project – Gannett Fleming– CONSTRUCTION Stage complete – Layne Southwest - RD \$7,262,081, CITF \$1,670,257:** Remaining \$10k will be used along with RD Vehicle Purchase Project funds toward purchase of the 1-ton truck necessary to pull the sewer jetter/vac unit. Closing on RD Vehicle funds was 1/26/16.

**LRG-11-02.2 – Mesquite-Brazito Sewer Project – Bohannon Huston, Inc. – LOC Stage – NMFA PG/SAP funded Planning, \$30k 2014 SAP, \$540,608 2014 CITF (10% Loan), USDA-RD Loan \$357,000 @ 3.250%, Grant \$1,194,919, Colonias Grants of \$6,356,474 & \$119,407:** Digital data processing initiated on aerial orthophotography for pipeline alignments identified for surface and planimetric extraction based on new gravity routes. This data to be used within the sewer model to finalize layouts for PER.

**LRG-11-03 – Interconnect & Looping Project – see 12-01 Authority PER**

**LRG-11-04 – Berino/ Mesquite-Del Cerro Water System Project WTB #223 – Vencor – Construction Stage - Smithco – RD - \$5,420,147/WTB - \$4,371,630:**

**Berino/Bosque Area:** Contractor lacking waterline markers on fire hydrants on DAC ROW. Pending items: 4" residential small bore crossing at 3522 Three Saints Road (WO#8), Guillen Laundromat new meter connection (WO#10), Kinder Morgan (KM)/EPNG crossings (WO#13) and completion of 12" waterline re-positioning at the Berino BNSF bore (WO#14). As of 3/01/16, Contractor has installed 215 LF of 24" casing at the Berino BNSF Bore, 20 LF of 6" and 220 LF of 12" PVC C900 waterlines. NOTE: waterlines installed to date within the Berino/Bosque areas have not been pressure tested or no Bac-t's have been taken. VENCOR to provide contractor with printed plan sheets of Kinder Morgan locations.

**Mesquite Area:** Contractor addressed Pre-Substantial Completion Punch List items in the Mesquite area and is 98% complete on original Bid contract items only. Pending: WO#12: Bid Lot #15 Additive Alternate (addition of base coarse to DAC Roads).

**Del Cerro/Vado Area:** Contractor has completed sampling station on Joy Drive, next to the installed FH. Contractor addressing Pre-Substantial Completion Punch List items in the Del Cerro/Vado area and is about 95% complete on original Bid contract items only. Pending: WO#11: new 12" PRV on Vado Drive/NM 227. VENCOR to provide contractor with printed plan sheets of location.

**Project Water Line Bores:** To date, Contractor has installed 8 of the 9 project waterline horizontal bores. Pending: small 4" bore at 3522 Three Saints Road (via WO#8, approved on 1/27/16).

**LRG-11-05 – Surface Water Treatment Plant WTB #252– Bohannon Huston - Design stage - \$750,000 WTB – 10% Loan 10% Match:** A new engineering scope contract amendment was delivered to LRGPWAA on 3/11/16 and is on today's agenda. Once approved by the Board and NMED-CPB, work can begin on design of groundwater well at arsenic treatment facility in Berino.

**LRG-12-01 – Authority Water System Improvements PER 2013 – Vencor – Planning Stage - CDBG Planning Grant \$50,000, NMFA Planning Grant \$37,500 & \$12,500 Local Match:** PER is a complete, planning grants have both closed.

**Forty-Year Water Plan – CE&M – complete – needs update for new mergers:** pending NM-OSE comments/approval.

**LRG-13-02 – System-wide Information Technology Standardization - Software - \$175,000 NM STB – Tyler Technologies:** Eleven requisitions have been submitted to NMED-CPB and ten paid. Change Order #2 to further reduce the scope of the data conversion is pending at Tyler, but may not be needed. Project is behind schedule, but the utility module training and implementation seems to be going well. Tyler staff has been on-site, and the Finance Manager’s report will discuss their progress. Issues with the financial module remain to be resolved.

**LRG-15-01 – System-wide Information Technology Standardization - SCADA - \$130,000 NM STB – Molzen Corbin:** Molzen Corbin (MC) has received record drawings and miscellaneous documentation. Documents have been scanned and original sets have been returned to the LRGPWWA. MC continues to develop base plans from the record documents. MC has contacted previous system integrators in efforts to determine how the existing systems will communicate to the new SCADA system. Currently MC is reviewing status of site plans with the intent to schedule a time to deliver the base files to the LRGPWWA for review. Presently this is anticipated to take place the first week of April.

**LRG-13-03 – Valle Del Rio Water System Project – RFP/Planning/Design Stage - \$1,197,708 DWSRLF funding - \$898,281 principal forgiveness – 299,427 loan repayment – Souder, Miller & Associates:** Closed on the funding on 2/26/16, closed on the purchase on 2/29/16. Final letter to VDR customers concerning the transfer of accounts to the LRGPWWA was sent out about a week prior to the closings. RFP and contract documents with Souder, Miller & Associates were approved; Notice To Proceed was issued to SMA on 3/1, and the survey crew has been on site to collect the data for majority of the meters and to collect the waterline information at the existing tank site. Operations staff has changed out all VDR meters to new radio-read meters.

**LRG-13-01 – Brazito Water System Improvements – Souder, Miller & Associates. – Construction Phase - Western Building & Development - \$523,354 NM CITF Grant, \$58,150 Loan, \$58,150 Match Requirement, 2014 CITF \$157,986 (10% loan):** Contractor has failed to complete the project and our attorney is initiating a default meeting prior to filing a claim against the performance bond. Meanwhile, contractor informed us on 3/10/16 that Smith & Aguirre will be their subcontractor for the road work and provided a submittal on full asphalt replacement for Calle de Brazito. Submittal is under review by SMA on 3/11/16.

**LRG-14-01 – Waterline Extension Project (incl. Veterans Road) – Design/Build - \$882,430 CITF incl. 10% Loan – Parkhill, Smith & Cooper** February 2016 Progress: Designs at 60%, NM DOT permit application prepared, Environmental Clearance for Undertaking within NMDOT ROW submitted, met with DAC Engineering & EBID Engineering to discuss potential right of way issues, continued refining project budget & concluded to exclude continuation of NM HWY 28 pipeline alignment to south current project limits, Land Survey completed & necessary easements chosen, began easement processing & met with some of affected land owners in field during site visit, reviewing geotechnical report & building groundwater map with historical data from EBID, contracted surveying and geotechnical services for added scope.

Planned Activities for March 2016: Submit 75% Designs to LRGPWWA for review on original 7 corridors, added scope designs to 40%-60%, submit NM DOT permit application dependent upon reception of approved Environmental Clearance for Undertaking within NMDOT ROW, submit 75% design to DAC & EBID for preliminary review, finalize project budget for original contract and added scope, dispatch survey and geotechnical crews for added scope, continue easement processing.

**Other projects:**

**Water Audit – BECC:** Final Draft has been received. Project is complete.

**USDA-RD Community Facilities Grant/Loan for Vehicle Purchase – LOC - \$46,600 Grant/\$103,400 Loan:** Closing was 1/26/16. Funds are now available.

**Infrastructure Capital Improvements Plan 2018-2022:** Deadline is mid-June. Have not yet received any information from NM DFA regarding deadline date or training.

**Documents Retention & Destruction** – Sorting of old association documents for storage or destruction is ongoing, and staff is implementing approved retention/destruction schedules for LRGPWWA documents. One bin has been sent out for shredding in the past month.

**Website and Email** – Notices and Board Minutes pages are current. Other updates are ongoing. The LRGPWWA history on the About Us page has been updated to include the finalization of the transfers & assumptions and acquisition of Valle Del Rio.

**Training** – I attended AWWA Water Audit Training for large systems Part 2 on March 1<sup>st</sup>. Liza was out sick, but Mike and JJ also attended.

**Lower Rio Grande Water Users Organization** – Regional Water Plan meeting was held on 2/24/16 at Dona Ana County Commission Chambers 1:00 to 4:00 pm. The meeting was utterly disorganized and largely a waste of time, and we learned that none of our projects had been included in the draft regional plan. I contacted a Steering Committee member for our region who put me in touch with one of the facilitators, and I was able to get an electronic copy of the list so I could put three of our projects (Water System Interconnect & Looping, Water System Rehab. & Improvements and Mesquite-Brazito Sewer) in the same Excel format and submit them (again).

**EBID Surface Water Plant:** - Still pending final review at NMED-DWB.

**2016 Legislature:** Legislative Report is up to date as of 3/9/16 – the Pocket Veto date. Our Capital Outlay requests were fully funded: \$37,500 for rugged laptops/tablets for the operators and \$90,000 for the SCADA project.

**Surplus Meter Disposal ITB:** I have written an Invitation to Bid for disposal of surplus meters by sealed bids. It will be advertised this week, bid opening 4/13/16, and bid award on the April Agenda.

**RFP for As-Needed Engineering Services for Small Projects:** RFP is drafted, will be finalized and placed on the April Agenda for approval.



[www.LRGauthority.org](http://www.LRGauthority.org)

# LOWER RIO GRANDE

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## Public Water Works Authority

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325 Holguin Road Box C Vado, New Mexico 88072 (575) 571-3628

February 25, 2016

TO: Eligible Members  
Lower Rio Grande Public Water Works Authority  
Voting District 3

RE: Vacancy on the Board of Directors – Request for Letters of Interest

The Lower Rio Grande Public Water Works Authority has a vacant position on our Board of Directors that needs to be filled for a one-year period by Board appointment. The next election is scheduled for spring 2017.

Eligible Members who wish to be considered for this appointment should submit a Letter of Interest to the Lower Rio Grande PWWA Board of Directors before 5:00 p.m. on Wednesday, March 9, 2016. Letters may be delivered in person to the La Mesa Office of the Lower Rio Grande PWWA at 521 Saint Valentine Street in La Mesa or mailed to: LRGPWWA Board of Directors, 325 Holguin Road, Vado, NM 88072.

In order to qualify as an Eligible Member, applicants must own property within District 3 boundaries and receive service from the Lower Rio Grande Public Water Works Authority. You are receiving this letter because you are listed as an Eligible Voter in District 3 on the voter rolls of the Lower Rio Grande PWWA and are thus qualified. For questions about eligibility, contact Projects Specialist Angie Meza at 575-233-5742, extension 1008.

Applicants are invited to attend the regular meeting of the Lower Rio Grande PWWA Board of Directors at 9:30 a.m. on Wednesday, March 16, 2016 at the East Mesa Office of the Lower Rio Grande PWWA at 9774 Butterfield Blvd. in Butterfield Park, NM. Appointment of a Director for District 3 will be on the agenda for this meeting and this vacancy will be filled no later than March 31, 2016.

Letters of Interest should include the full name and contact information for the applicant and a brief description outlining why she/he should be considered for this appointment. See our website for additional information.

Best regards,

---

Roberto Nieto, Board Chairman

25 Febrero, 2016

A: Miembros Elegibles  
Lower Rio Grande Public Water Works Authority  
Distrito Electoral 3

RE: Vacante en la Junta de Directores - Solicitud de Cartas de Interés

El Lower Rio Grande Public Water Works Authority tiene una posición vacante en la Junta Directiva que debe ser llenado por un período de un año por nombramiento de la Junta. La próxima elección está programada para la primavera de 2017.

Los miembros elegibles que deseen ser considerados para este nombramiento deberán enviar una carta de interés para el Lower Río Grande PWWA Junta de Directores antes de las 5:00 p.m. el miércoles, 9 de marzo de 2016. Las cartas pueden ser entregadas en persona a la oficina del LRGPWWA ubicado en La Mesa, NM en 521 Saint Valentine o por correo a: LRGPWWA Junta de Directores, 325 Holguín Road Vado, NM 88072.

Para calificar como un miembro elegible, los solicitantes deben poseer propiedad dentro de los límites de Distrito 3 y recibir el servicio de agua del Lower Rio Grande PWWA. Usted está recibiendo esta carta porque aparece como un votante elegible en el Distrito 3 en las listas electorales del Lower Rio Grande PWWA y, por lo tanto, está calificado. Para preguntas acerca de la elegibilidad, comuníquese con Especialista de Proyectos Angie Meza a 575-233-5742, extensión 1008.

Los candidatos son invitados a asistir a la reunión regular de la Junta Directiva de Lower Rio Grande PWWA a las 9:30 de la mañana del miércoles, 16 de marzo de 2016 en la Oficina de East Mesa del Lower Rio Grande PWWA en 9774 Butterfield Blvd. en Butterfield, New Mexico. El nombramiento de un Director del Distrito 3 estará por el orden del día para esta reunión y este vacante se llenará a más tardar el 31 de marzo de 2016.

Cartas de interés deben incluir el nombre completo e información de contacto para el solicitante y una descripción breve por qué él/ella debe ser considerado para esta cita. Visite nuestro sitio web para obtener más información.

Saludos cordiales,

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Roberto Nieto, Board Chairman

Water Board Members:

I Blanca Martinez am interested in re-applying for your open position on the Water Board.

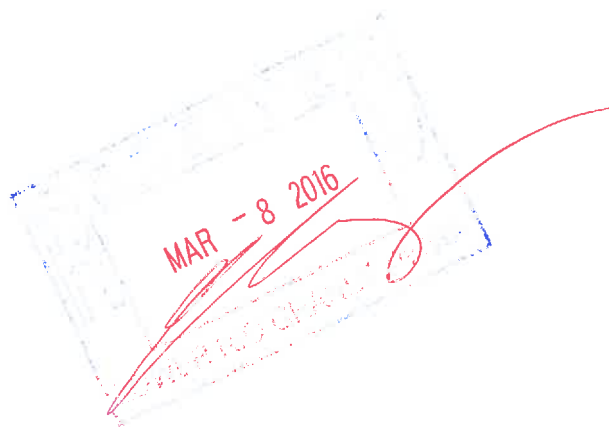
Sincerely



Blanca Martinez

1660 San Jose La Mesa N.M. 88044

575-642-3551





## LETTER of INTEREST

March 09, 2016

Lower Rio Grande PWWA  
325 Holguin Rd Box C  
Vado, New Mexico 88072

Dear Board Members:

I would like to this opportunity to declare my interest in serving the customers of District 3 by being considered to fill the Lower Rio Grande board post which was vacated by the passing of Mr. Tellez. Who represented District 3.

My name is Jose R. Evaro. I have resided in La Mesa for the majority of my life, attending school in the Gadsden School District, and then joining the US Army where I served for twenty years, while serving in the army I married my wife of 38 years, Benita. We have four grown children and are helping to raise four of our twelve grandchildren

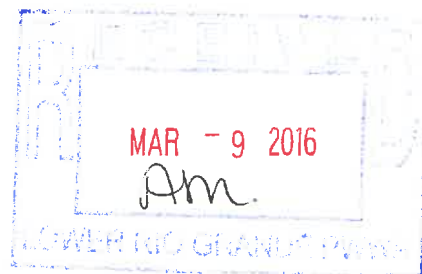
While serving in the Army I was an Avionics Repairman until I sustained an injury to my knee. I then separated from the Army, enlisted in the reserves where I was a truck driver for two and a half years, then reenlisted back into the regular Active Army changing my MOS and becoming a Medical NCO and Instructor for fourteen and half years. After separating from the military we remained in San Antonio for a few years, moved to Colorado, and then relocated back home to La Mesa.

I am currently an active member of San Jose Catholic Church where I serve as Chair of the Cemetery committee, I am also a member of the Church Finance committee, and a Sunday school teacher. I was also served on the board of the La Mesa MDWCA and was serving at the time La Mesa merged into Lower Rio Grande PWWA. My responsibilities have always included critical decision making for the benefit of the whole, and I feel confident that my background and work experience qualify me for the interim board position.

Thank you for your careful consideration upon reviewing of my letter of interest.



Jose R. Evaro  
131 Florida St  
La Mesa, NM 88044  
(575) 618-0182



## ATTACHMENTS

(Please check the appropriate box and include applicable Exhibit)

- ATTACHMENT I** - Compensation for Engineering Services During the Planning Phase
- ATTACHMENT II** - Compensation for Engineering Services During the Design Phase
- ATTACHMENT III** - Compensation for Engineering Services During the Construction Phase
- ATTACHMENT IV** - Compensation for Engineering Services During the Operation Phase

1. As set forth in the AGREEMENT FOR ENGINEERING SERVICES dated the 16 day of July, 2012 by and between the Lower Rio Grande PWWA, the OWNER, and Bohannon Huston Inc., the ENGINEER, the OWNER and ENGINEER agree this \_\_\_\_\_ day of March, 2016 that the OWNER shall compensate the ENGINEER for services described in Section B and Section C and further described in

- EXHIBIT A** – Planning Services scope of work and cost proposal
- EXHIBIT B** – Design Services scope of work and cost proposal
- EXHIBIT C** – Construction Services scope of work and cost proposal
- EXHIBIT D** – Operational Services scope of work and cost proposal

2. Compensation for ENGINEERING SERVICES shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ENGINEERING SERVICES, as described in the appropriate EXHIBIT, shall not exceed \$379,129, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ENGINEERING SERVICES as described in the appropriate EXHIBIT shall not exceed \$\_\_\_\_\_ without prior written approval of the OWNER, with Funding Agency concurrence.

3. Compensation for ADDITIONAL ENGINEERING SERVICES (provided by the engineer upon written authorization from the Owner and concurrence of the funding agency), shall be by the

**LUMP SUM** method of payment. The total amount of compensation for ADDITIONAL ENGINEERING SERVICES, as described in the appropriate EXHIBIT, shall not exceed \$\_\_\_\_\_, excluding gross receipt tax and reimbursables.

**STANDARD HOURLY RATE WITH MAXIMUM** method of payment. The total amount of hourly charges, excluding gross receipt tax and reimbursables, for ADDITIONAL ENGINEERING SERVICES as described in the appropriate EXHIBIT shall not exceed \$\_\_\_\_\_ without prior written approval of the OWNER with Funding Agency concurrence.

Attachment- Page # 1

4. The amount of compensation shall not change unless the scope of services to be provided

by the ENGINEER changes and this Agreement is formally amended according to Section A-5. Contract Time under Section B. and for the purpose of Section A.8 shall be See Exhibit B calendar days (or as specified in the Attachments or Exhibits).

5. The OWNER and ENGINEER agree that as mutually agreeable, reasonable Liquidated Damages for delay (but not as a penalty), ENGINEER shall pay OWNER fifty dollars (\$50.00) (minimum fifty dollars [\$50.00] per day) for each calendar day that expires after the Contract Time specified in the Agreement (See attached project schedule - Gantt chart, bar chart, etc.) until the Work is complete and accepted by the OWNER. OWNER shall have no more than ten (10) calendar days to accept or reject the Work.

6. The ENGINEER agrees to obtain and maintain, at the ENGINEER's expense, such insurance as will protect the ENGINEER from claims under the Workman's Compensation Act and such comprehensive general liability and automobile insurance as will protect the OWNER and the ENGINEER from all claims for bodily injury, death, or property damage which may arise from the performance by the ENGINEER, or by the ENGINEER's employees, for the ENGINEER's functions and services required under this Agreement. Such insurance shall be in an amount not less than \$1,000,000 for injury to any one person and \$1,000,000 on account of any one accident and in the amount of not less than \$0 for property damage. The ENGINEER further agrees to procure and maintain professional liability (errors and omissions) insurance in an amount not less than \$2,000,000 per claim and in the aggregate. Prior to commencement of any work, the ENGINEER shall furnish to the OWNER a certificate that complies with this paragraph. The certificate shall provide that the policy shall not be canceled until at least ten (10) calendar days prior written notice shall have been given to the OWNER. ENGINEER shall provide annual updates of the certificate to demonstrate the policy remains in effect for the duration of this Agreement.

7. OWNER shall pay ENGINEER applicable gross receipt taxes and reimbursable expenses at the rates set forth in the appropriate EXHIBIT. The amounts payable to ENGINEER for reimbursable expenses will be the project related internal expenses, such as mileage, per diem and reproduction, actually incurred or allocated by ENGINEER, plus all invoiced external reimbursable expenses, including consultants, allocable to the project, the latter multiplied by a factor of 1.05. Reimbursable expenses shall not exceed the estimate in the EXHIBIT without prior written approval of the OWNER, with Funding Agency concurrence.

8. The method for interim or partial payments, such as milestone or time & materials, shall be: monthly


9. Signatures

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed, by their duly authorized officials, this Agreement in triplicate on the respective dates indicated below.

ATTEST: \_\_\_\_\_  
Type Name \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

OWNER: LRGPWWA  
By \_\_\_\_\_  
Type Name \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

ATTEST: \_\_\_\_\_  
Type Name \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

ENGINEER: Bohannon Huston, Inc.  
By   
Type Name Matthew R. Thompson  
Title Senior Vice President  
Address 425 S. Telshor Blvd. C103  
Las Cruces, NM 88011  
Date March 11, 2016

REVIEWED: FUNDING AGENCY  
NAME: \_\_\_\_\_  
By \_\_\_\_\_  
Type Name \_\_\_\_\_  
Date \_\_\_\_\_



March 10, 2016

Karen Nichols  
Project Manager  
Lower Rio Grande Public Water Works Authority  
325 Holguin Road Box C  
Vado, NM 88072

Re: **Proposal for Professional Services:**  
Berino Area Water Supply Project - Design Phase Services

Dear Karen:

Bohannon Huston, Inc., (BHI) is pleased to provide this engineering services contract for the above referenced work to the Lower Rio Grande Public Water Works Authority (Authority). The BHI and CDM Smith project team has extensive experience with planning and design of water infrastructure for communities throughout New Mexico. We recognize the role this project will take in defining some of the most critical infrastructure the Authority will need in the near future for this area.

Please return a signed copy of the agreement enclosed at your earliest convenience. If you have any questions, please contact me directly at 575-532-8670. Thank you and we look forward to working with you on this project.

Sincerely,



Matthew R. Thompson, P.E.  
Senior Vice President

Engineering ▲

Spatial Data ▲

Advanced Technologies ▲

## EXHIBIT B

### Scope of Work and Cost Proposal for Engineering Services during Design Phase *Lower Rio Grande Public Water Works Authority Berino Area Water Supply Project*

The ENGINEER is providing professional services to the Lower Rio Grande Public Water Works Authority (Authority) for the planning, design and construction of a groundwater well, water treatment plant, water storage tank and ancillary related facilities for the production of potable water from current Lower Rio Grande well water rights (the Project).

This Scope of Services defines the work, deliverables, and related fees for the Project's design phase work tasks. Tasks of the individual phases are described in detail below. Work tasks and their related documents that have been previously completed and further define this project background are the following:

1. Preliminary Engineering Report Update by CDM Smith, September 2015

Throughout this document the terminology "OWNER" refers to the Authority and "ENGINEER" or "SURVEYOR" refers to BHI or our subconsultant CDM Smith.

#### **I. PROJECT SUMMARY**

##### **A. Project Infrastructure Description**

The Project work scope will address the following project infrastructure elements:

- **Re-Drill Water Production Well #10 (LRG-07595):** Anticipated to be a new 16" cased well within 100 feet of the previous well #10. Well depth is anticipated to be 750 feet deep approximately and with stainless steel screening. Production rate goal will be 750 gallons per minute (gpm), likely resulting in a 100 horsepower (hp) motor.
- **Arsenic Treatment Facility:** This facility is anticipated to be a CMU split-face block building with metallic roof. An attached roof enclosure will be used to protect the wellhead and motor but will allow well equipment servicing. The primary process room will house the well pump control valves, arsenic treatment equipment and electrical gear and treatment chemicals used in the arsenic removal process. Gas chlorination equipment required for disinfection and oxidation prior to arsenic removal will be housed in a separate room.
- **Upper 200,000 gallon Water Storage Reservoir:** Existing property boundary east of I-10 appears to be large enough to allow a second 200,000 gallon welded steel storage reservoir to be located adjacent to the existing reservoir. Security fence will be expanded for the second reservoir. No access road improvements are anticipated.

- **SCADA Radio Telemetry Units (RTU):** Incorporate SCADA RTU's to allow well operation in tank fill cycle and bring all alarms back to a central monitoring network for operator notification.

The Project will be completed in Phases as summarized below:

- **Planning Phase**

Engineering services already completed.

- **Design Phase**

Detailed in this contract attachment, Exhibit B, the design phase consists of preliminary design and final design. Preliminary design consists of 60-percent design. Final design will include a 95-percent submittal and completion of the drawings and specifications so that they are ready for bidding. Preliminary design and final design also include subtasks for project management, communications and meetings. ENGINEER will submit design documents to the OWNER at each design stage (i.e., 60 and 95 percent and final) for review and approval before proceeding to the subsequent stage. ENGINEER will submit 95% complete documents to NMED DWB for review. An engineer's estimate of probable cost will be prepared and updated at each stage of design.

- **Construction Phase**

A separate contract amendment will be identified and negotiated at a future date.

- **Operational Phase**

A separate contract amendment will be identified and negotiated at a future date.

This contract attachment defines the scope of work, fees and schedule for Engineering Services during the Design Phase for the OWNER.

### ***Project Assumptions***

The following assumptions have been made for the preliminary design of the groundwater well and arsenic treatment plant, and finished water storage reservoir:

- An initial Project Kick-off Meeting for the Design Phase of this project will be held at the OWNER's offices with OWNER's staff, ENGINEER's project manager and project engineer, subconsultants, and other stakeholders that may be identified by the OWNER. The Project Kick-off Meeting will also serve as a workshop to review the OWNER's design parameters and preferences and to establish project goals, critical success factors, schedule, lines of communication, and information needs.
- Six Monthly Progress Reports will be provided during the preliminary and final design phases and will be provided at the beginning of each month by email.
- The OWNER will provide water quality sampling and results from the existing well or representative wells close to Well 10 as requested by the ENGINEER.



- The maximum treatment capacity of the arsenic treatment plant is assumed to be the expected production rate goal of 750 gpm. A hydraulic analysis will be required to determine finished water pumping requirements from the groundwater treatment plant to the Berino ground reservoir and/or the Mesquite elevated tank.
- The arsenic treatment process will be a “package” treatment system and will be housed in a treatment process building. Chemical feed systems will be required for coagulation/pH adjustment and oxidation prior to filtration with possible post treatment chemical addition required to raise the pH. The following chemical feed systems are assumed to be required: coagulant (ferric chloride or alum), polymer, acid feed (pH reduction), chlorine for disinfection
- A chlorine gas system will be provided for disinfection and oxidation of raw water from the well prior to arsenic treatment.
- Backwash water from the arsenic treatment process will be collected and recycled to the head to the treatment process. The backwash recycle process will include a holding tank and booster pumps to recycle the water to the head of the treatment process.
- Solids handling facilities will be included with the design of the arsenic treatment plant. Drying beds will be used for solids handling. Site piping consisting of raw and finished water piping, and process drains will be provided.
- Backup power (emergency generator) for the water production facility will not be provided.
- Land acquisition for the groundwater well, groundwater treatment plant and storage reservoir will not be required.
- Improved access roads to storage reservoir site will not be required.

## **II. DESIGN PHASE WORK TASKS**

### **TASK 1: PROJECT MANAGEMENT**

**Objective:** Provide effective communications, coordination, meetings and project management for the Project through the project design phase.

**Approach:** ENGINEER will conduct an initial Project Kick-off Meeting with the OWNER and other stakeholders to obtain additional Project information, to obtain OWNER input, and to develop critical success factors for design and implementation of the Project. As part of this meeting, OWNER goals and constraints will be identified to assist the ENGINEER in screening and evaluation of preliminary planning alternatives in order to construct facilities while continuing to maintain efficient operation. Subsequent design phase meetings with OWNER staff and operations team members will be conducted, as required, to complete the Project deliverables.



The ENGINEER and OWNER will have regular conference calls and email communications to keep the OWNER informed of the Project's progress and obtain additional input from the OWNER. The ENGINEER will provide a monthly progress report attached to monthly invoicing that summarizes the work completed since the last report, work to be completed during the next period, budget status, issues and concerns, and schedule status. The ENGINEER shall attend OWNER scheduled meetings on an as requested basis to update OWNER board or staff members on the current status of specific project activities and get input needed to maintain the project schedule.

ENGINEER will create a project specific website to manage project deliverables in ArcGIS and/or Adobe PDF format, and manage OWNER review comments on-line. Other project management responsibilities to be completed under this task include management of subcontracts, project accounting, scheduling and budget tracking, and maintenance of project files.

**Assumptions:**

1. Project Progress meetings shall be held at the OWNER's office on an as requested basis.

**Deliverables:**

1. Monthly progress reports – delivered via e-mail
2. Regular conference meeting minutes
3. Monthly invoices for ENGINEER's services

## **TASK 2: PRELIMINARY DESIGN**

Preliminary Design involves the development of a 60-percent complete design. The 60-percent design will further define the recommended alternative in the PER Addendum. Once the 60 percent design is complete and accepted by the OWNER and NMED, design will proceed to the final design.

**Objective:** Develop drawings and specifications for the Project infrastructure to the 60-percent level to provide a point of review for the OWNER and ENGINEER's internal quality control checking prior to preparing final design documents. The 60 percent design drawings will also be used to develop a 60 percent cost estimate

In order to keep the project moving forward, ENGINEER will use the existing groundwater well's water quality data provided by the OWNER to proceed with the 60 percent design of the treatment process. Additional water sampling may be required and this laboratory expense will be paid for by the OWNER.

**Approach:** The 60-percent design documents will be based on the assumptions listed below and the results of pilot testing. Pilot testing will allow for refinement of the design of the treatment process and will establish process chemical requirements and dosages that will be used for design.

In addition, the ENGINEER will provide additional information including:

- Individual sections for each Project component outlining the process description of each recommended component and the preliminary process design criteria.

- Civil site work and plant utilities
- Narrative description of Architectural Building systems
- Process treatment criteria
- Disinfection system criteria
- Heating ventilation and air conditioning (HVAC) criteria
- Electrical design criteria including power requirements from El Paso Electric
- Instrumentation and control design criteria

The major activities under this task will be to develop 60-percent design documents will include the following items:

- Design of the treatment facility
- Design of finished water booster station
- Site yard water pipelines
- Solids handling facilities
- Finished water storage
- Disinfection System
- Chemical feed and storage
- Electrical power system design
- Provisions for Supervisory Control and Data Acquisition (SCADA) system
- Architectural and structural design of buildings
- HVAC and plumbing design
- Lighting system design
- Upper Reservoir design
- Quality reviews

***Assumptions:***

See the Project Assumptions in the introduction to this Task. Also:

- The drawing set is assumed to consist of approximately 50 drawings.

- One meeting will be held with OWNER to review the 60-percent design documents.
- ENGINEER's AutoCAD standard conventions will be followed during preparation of drawings. The design drawings will be prepared using AutoCAD.
- OWNER will provide Standard and Special Provisions (Division 0) used for the front-end documents (Division 0). If the OWNER does not have Standard and Special Provisions, ENGINEER will modify Standard and Special Provisions from similar projects to meet OWNER'S needs.
- ENGINEER's standard technical specifications, will be used as a basis for Divisions 1 through 16 to augment the OWNER's standard specifications. The project specifications will be customized to clearly describe the scope of work, material requirements, execution requirements, submittal requirements, testing procedures, and measurement, and payment.

***Deliverables:***

The major deliverables under the 60-percent submittal include:

- 60-Percent Drawings and Specifications – ENGINEER will submit 5 sets of drawings (11-inch by 17-inch) and specifications.
- 60-Percent opinion of probable construction cost.

**TASK 3: FINAL DESIGN**

Final Design involves two tasks: development of the 95-percent and final design of the Project infrastructure. The 95 percent design will refine the 60-percent design to incorporate comments by the OWNER, and the ENGINEER's own quality review process. The 95-percent design will be reviewed and the documents revised to incorporate final changes for a set of contract documents that are ready for bidding. A final opinion of probable construction cost will also be prepared based on the final design.

***Objective:*** To provide a 95-percent design based on the OWNER's comments and the ENGINEER's quality review of the 60-percent design and which will be used to conduct additional internal reviews, obtain OWNER input, and to prepare and submit final documents for bidding.

***Approach:*** The 95-percent design of the facilities will be based on the 60-percent design and the OWNER's review comments. The major activities under this task will be to prepare a 95-percent design package, meet with the OWNER and NMED to discuss review comments, conduct internal reviews, and then prepare the final design/bid documents for the Project, and a final opinion of probable construction cost.

***Assumptions:***

- One meeting with OWNER to discuss and address final review comments.
- NMED-Construction Programs Bureau and Drinking Water Bureau review will be a timely, 60-day review to discuss and address final review comments.



**Deliverables:**

- Documents associated with the 95-percent design submittal include:
  - Drawings (11-inch by 17-inch) 5 sets
  - Specifications (5 sets)
- Documents associated with the final design/bid submittal include:
  - Final Drawings and Specifications (5 sets for the OWNER's use)
  - One master 24-inch x 36-inch paper plotted set of bid package drawings
  - One print ready master set of final bid package specifications
  - Electronic drawing and specification files in Adobe Portable Document Format (.pdf) format on DVDs

**III. ADDITIONAL ENGINEERING WORK TASKS**

**TASK 4: HYDROGEOLOGIC EVALUATION**

**Objective:** Through the ENGINEER's subconsultant, John Shomaker & Associates, provide professional hydrogeologic services for guidance on the hydrogeologic setting, design and appropriate drilling methods to successfully complete a large capacity water supply well in the Lower Rio Grande groundwater basin in the Berino area.

**Approach:** ENGINEER will conduct the following subtasks:

1. Attend kick off meeting to discuss well completion materials, site requirements, potential areas to discharge water produced during development and test pumping.
2. Estimate potential production rate based on existing OWNER wells, hydrogeologic setting, and identify recommended well configuration.
3. Assist with the design of a large-capacity water-supply well including borehole diameter, plumbness and alignment, casing diameter, screen length and slot size, well depth, filter gravel gradation, gravel-feed tube, sounding tube (gage line), well development procedures, and test pumping requirements.
4. Develop written specifications for well drilling, completion, development, and test pumping.
5. Assist with preparation of addenda as may be necessary.

**Assumptions:**

1. ENGINEER will incorporate all existing well feature data previously acquired from OWNER for analysis and incorporation.

**Deliverables:**

1. Technical Summary Memorandum for OWNER review on recommended well configuration.

**TASK 5: HYDRAULIC COMPUTER MODEL**

**Objective:** Review the existing Preliminary Engineering Report (PER) model basis, and determine the hydraulic design criteria dictated by the main controlling elevated storage tank, and the Berino ground reservoir lower zone.

**Approach:** ENGINEER will conduct the following subtasks for this computer model creation:

1. ENGINEER will translate any previous compatible model file available from earlier modeling work, if available. This translation will enable the model to be utilized and transferred directly to a current version of InfoWater modeling software and direct interface with other available GIS overlay files.
2. ENGINEER will confirm ground elevations information on all water system related to county 2-foot contour surface maps.
3. ENGINEER will update computer model with water services connected to lower pressure zone maintained by the Berino tank to confirm proper storage tank volumes and well production rates necessary for a peak day scenario. A fire flow analysis will not be performed on the distribution system to identify deficiencies.
4. Model basis will allow ArcGIS overlay enabling long-term maintenance for future use.

**Assumptions:**

1. Existing 2014 County two-foot contour mapping will be used for simple elevation data analysis.
2. Existing facility record drawings will be provided by OWNER.

**Deliverables:**

1. Exhibit identifying design basis criteria.
2. InfoWater Model basis files.

**TASK 6: DESIGN SURVEY**

Our proposed scope of services includes providing a topographic survey and boundary retracement survey. The topographic survey will be completed to depict existing planimetric features of the site with a 1.0 foot contour interval appropriate for design base mapping purposes, assumed to be 1"=30'. A Civil 3D digital TIN surface will be compiled for design use. The topographic map will include all improvements and above ground utilities. No subsurface utility engineering "potholing" will be performed in this scope of services, but could be performed on a time and materials basis if requested. Existing flood zone designation will be noted.

The intent of the boundary survey is to retrace Owner parcels. This will be depicted on the design existing site conditions base file. SURVEYOR will set any boundary monuments not found for the parent parcel. If a substantial material discrepancy of the property boundary is found or other boundary issues are discovered, ENGINEER will stop work and report to the client for further direction. Additional efforts resulting from these issues are not included within the current scope of services.

SURVEYOR will set primary control to allow proper project planning and construction of the site. Three (3) intervisible survey control points will be placed close to each project site, for a total of six (6) control points in locations appropriate to avoid disturbance. A control report as required by the Minimum Standards for Surveying in New Mexico will be prepared for this project. Local Control points monumented with a 2" stamped aluminum cap on a 5/8" rebar will be established to provide orientation of the field survey and construction staking. The project coordinate system will be a ground modification of the New Mexico State Plane Central Zone projection, NAD 83. The vertical datum will be NAVD 88. The monuments will be positioned using OPUS Projects through the office of the National Geodetic Survey. A control report certified by a licensed land surveyor will be provided as a project deliverable. SURVEYOR will tie to existing project control previously established by OWNER and determine if the existing project data is useable and/or calculate transformation parameters to the new coordinate system.

***Deliverables:***

1. Control Report Stamped and signed by a New Mexico Professional Surveyor
2. Topographic survey 3D point file in CSV format
3. Autodesk Civil 3D 2015 base mapping drawing file with TIN model included

**TASK 7: GEOTECHNICAL INVESTIGATION**

***Objective:*** The purpose of the geotechnical investigation is to determine site subsurface conditions, and based upon the conditions encountered; develop geotechnical recommendations for the ENGINEER's design of the proposed well control and arsenic treatment building and appurtenant facilities including: shallow foundations, foundation bearing pressures, site grading, and drainage.

***Approach:*** To accomplish these objectives, the following work will be performed:

- Four (4) test holes, two per each distinct project site area, will be drilled at locations within the site boundary based on the conceptual site layout plan.
- During drilling, subsurface conditions will be logged by a qualified field geologist.
- Perform a laboratory-testing program on selected soil samples to determine the engineering properties of the site soils necessary for design.
- The Geotechnical Report will include results of the field exploration including boring logs; design criteria related to the recommended foundation systems including design values for



shallow foundations, slab-on-grade design recommendations, estimated settlement, site seismic classification, and subgrade preparation and earthwork recommendations. The Geotechnical Report will be signed by a New Mexico registered Professional Engineer.

***Assumptions:***

- Permission to access land and conduct subsurface investigations to be provided by OWNER.
- New Mexico One Call will be adequate for utility locates.

***Deliverables:***

- Five copies of the Geotechnical Report.

## **TASK 8: PERMITS ACQUISITION**

**Objective:** Identify and assist the OWNER in acquiring all necessary permits for construction and operation of the Project infrastructure.

**Approach:** The services associated with this task are:

- Identify and obtain permits necessary for construction.
- Prepare permit applications or approvals as required for agencies such as the Office of the State Engineer, Dona Ana County and the New Mexico Environment Department.
- Attend review meetings (assumed two) with oversight agencies to facilitate and expedite the permitting process.
- Review permit conditions and assist the OWNER with responding to permit conditions.

***Assumptions:***

Permits and/or approval will be required from the following agencies:

- Office of the State Engineer (OSE).
- Dona Ana County (construction contractor will get this permit)
- New Mexico Environment Department Drinking Water Bureau for Modification of a Drinking Water System.
- New Mexico Environment Department Construction Programs Bureau.
- The construction Contractor will obtain all necessary permits from Doña Ana County Building Department

- 90-day review period by permitting agencies (NMED-DWB).

***Deliverables:***

- Permit applications necessary for constructing and operating the well and arsenic treatment plant.



#### IV. FEES

Compensation for services of Engineer (including direct costs, markups and cost of subcontracted services) will be as outlined below. All amounts shown are exclusive of New Mexico Gross Receipts Tax.

Compensation terms and lump sum amounts for each scoped task contained in Attachment II are provided below. Invoicing for Lump Sum items will be based on percent complete of task or cumulative completion of subtasks associated with the work under the task. Lump Sum amounts shown include all direct costs, markups, and cost of subcontracted services associated with the task. Changes to this amount will only be accomplished by written amendment to this scope.

Compensation for services of ENGINEER (including direct costs, markups and cost of subcontracted services) will be as outlined below. All amounts shown are exclusive of New Mexico Gross Receipts Tax.

Invoicing will be based on percent complete of task or cumulative completion of subtasks associated with the work under the task. All amounts shown below are lump sum except tasks indicated to be time and materials not-to-exceed (T&M NTE). Lump sum amounts shown include all direct costs, markups, and cost of subcontracted services associated with the task. Changes to these amounts will only be accomplished by written amendment to this scope and approved by the OWNER.

##### **DESIGN PHASE FEES:**

<b>Task</b>	<b>Description</b>	<b>Type</b>	<b>Fee Amount</b>
1	Project Management	Lump Sum	\$15,160
2	Preliminary Design	Lump Sum	\$171,305
3	Final Design	Lump Sum	\$114,204
<b>Design Phase Services Subtotal:</b>			<b>\$300,669</b>

##### **ADDITIONAL ENGINEERING FEES:**

<b>Task</b>	<b>Description</b>	<b>Type</b>	<b>Fee Amount</b>
4	Hydrogeologic Evaluation	Lump Sum	\$18,400
5	Computer Water Model	Lump Sum	\$40,905
6	Design Survey	Lump Sum	\$6,055
7	Geotechnical Investigation	Lump Sum	\$6,260
8	Permits Acquisition	Lump Sum	\$6,840
<b>Additional Engineering Services Subtotal:</b>			<b>\$78,460</b>

**TOTAL PROJECT FEE (Exclusive of NMGR)** **\$379,129**

## **V. SCHEDULE**

The time periods for the performance of ENGINEER's services are as follows:

### **TASK 2: PRELIMINARY DESIGN -**

Preliminary design to be completed within 120 calendar days of NTP from OWNER. The 60-percent design phase will be completed within 60 calendar days from receipt of Design Survey.

### **TASK 3: FINAL DESIGN -**

Final 95% design to be completed within 60 calendar days after receipt of comments from OWNER and on 60% Preliminary Design.

### **TASK 4: HYDROGEOLOGIC EVALUATION**

The Hydrogeologic Evaluation will be completed within 60 calendar days from NTP from OWNER.

### **TASK 5: COMPUTER WATER MODEL**

The water model hydraulic design basis will be completed within 60 calendar days from NTP from OWNER.

### **TASK 6: DESIGN SURVEY**

The Design Survey will be completed within 60 calendar days from NTP from OWNER.

### **TASK 7: GEOTECHNICAL INVESTIGATION**

The Geotechnical Investigation will be completed within 60 calendar days from NTP from OWNER.

### **TASK 8: PERMITS ACQUISITION**

The Permits Acquisition will be performed during the Final Design task and will be completed within 90 calendar days from submission of final stamped plans.

# Bohannon Huston

## ENGINEERING SERVICES AGREEMENT AMENDMENT #3

Project: Lower Rio Grande Public Water Works Authority  
Water Treatment Facility

BHI Project No.: 20130306

Engineer: Bohannon-Huston, Inc.  
425 S. Telshor Blvd., Suite C-103  
Las Cruces, NM 88011-8237

Contract No.:  
Amendment No.: 3  
Date: March 10, 2016

Reason and Justification for Amendment: (use additional sheets, if necessary)

**See attached Exhibit B: Design Phase services to accomplish the Berino area improvements to include a new replacement well, arsenic treatment facility, and 200,000 water storage reservoir adjacent to the existing one.**

The Engineer is authorized to provide the following described services:

(See attached Exhibit B)

### FEE SCHEDULE MODIFICATION

Description	Original Contract Amount with Amendment #1 & #2	Amendment #3 Modification	Revised Contract Amount
Phase 10: PER Addendum - Prj Management	\$16,209		\$16,209
Phase 11: Extended Project Management	\$10,853		\$10,853
Phase 21: PER Addendum	\$73,558		\$73,558
Phase 22: PER Addendum Revisions	\$51,408		\$51,408
Phase 23: Hydrogeologic and Well Siting Study	\$52,085		\$52,085
Phase 24: Groundwater Modeling	\$36,230		\$36,230
Phase 99: Reimbursable Expenses	\$20.91		\$20.91
<b>NEW AMENDMENT #3 PHASES</b>			
Phase 100: Design Phase Project Management		\$15,160	\$15,160
Phase 101: Preliminary Design		\$171,305	\$171,305
Phase 102: Final Design		\$114,204	\$114,204
Phase 103: Hydrogeologic Evaluation		\$18,400	\$18,400
Phase 104: Computer Water Model		\$40,905	\$40,905
Phase 105: Design Survey		\$6,055	\$6,055
Phase 107: Geotechnical Investigation		\$6,260	\$6,260
Phase 108: Permits Acquisition		\$6,840	\$6,840
<b>TOTAL</b>	<b>\$240,363.91</b>	<b>\$379,129</b>	<b>\$619,492.91</b>

All fees are exclusive of New Mexico Gross Receipts Tax.

### TIME SCHEDULE MODIFICATION

(See attached Exhibit B)

#### APPROVAL:

Engineer: Bohannon-Huston Inc. \_\_\_\_\_

Owner: LRGPWWA \_\_\_\_\_

By:  \_\_\_\_\_

By: \_\_\_\_\_

Title: Senior Vice President \_\_\_\_\_

Title: \_\_\_\_\_



**ATTACHMENT II  
DESIGN PHASE FEE**

Name of Project: **LRGPWWA - Berino Water Supply Project**  
 Client: **Lower Rio Grande Public Water Works Authority**  
 Principal-in-Charge/ PM, Des. Eng: **Matthew Thompson**  
 Date of proposal: **2/25/2016**  
 Prepared by: **Matthew Thompson**  
 Approved by: **LLS** inits.

Task / Activity	# of Sheets	Engineer 7	Engineer 6	Engineer 5	Engineer 4	Engineer 3	Engineer 2	Engineer 1	Engr Tech 4	Engr Tech 3	Admin Assist 5	Subconsultant	Non Reimbursable Expenses	Task Sub-Totals	
														Per-Hrs	Cost
Hourly Rate:		\$ 235	\$ 205	\$ 165	\$ 145	\$ 125	\$ 105	\$ 95	\$ 90	\$ 80	\$ 95				
<b>TASK 1: PHASE PROJECT MANAGEMENT</b>															
Project Management		24													80 \$ 15,160
Communication Coordination		12		12											24 \$ 5,640
Project Documentation		8		8							16				24 \$ 4,800
															32 \$ 4,720
<b>TASK 2: Hydrogeologic Evaluation</b>															
Well Siting Memorandum		1		4								JSAI			10 \$ 18,400
Well Design Support		1		4								\$ 10,340			5 \$ 11,235
												\$ 6,270			5 \$ 7,165
<b>TASK 3: Hydraulic Computer Model</b>															
Existing Data Acquisition		4		24			40		40						323 \$ 40,905
Model Creation		4		24			40								108 \$ 12,700
Model Calibration Points		1		24			40								68 \$ 9,100
Summary Memo		2		32			40				8				65 \$ 8,395
															82 \$ 10,710
<b>TASK 4: Design Survey</b>															
Supplemental Survey Information to support design process and update as-builts created as part of planning phase		1		8								BHI - Survey			9 \$ 6,055
												\$ 4,500			9 \$ 6,055
<b>TASK 5: Geotechnical Investigation</b>															
Geotechnical Investigation/Report		2			2							Terracon			4 \$ 6,260
												\$ 5,500			4 \$ 6,260
<b>TASK 6: Permit Acquisition</b>															
OSE Application		4		8	8										40 \$ 6,840
DWB Application		4		8	8										20 \$ 3,420
															20 \$ 3,420
<b>TASK 7 &amp; 8: PRELIM AND FINAL DESIGN</b>															
<b>General</b>															
Cover Sheet	1									2					2 \$ 180
Site Vicinity Map, Site Location, Sheet Index	1						1			2					3 \$ 285
General Symbols and Abbreviations	1						1			2					3 \$ 285
General Notes and Legend	1						1			2					3 \$ 285
General Site Plan	1			2			2		4						8 \$ 900
Contract Documents & Div. 1 Specs / Costs		1		24			24				24				73 \$ 8,995
<b>Civil Design</b>															
Civil Notes and Legend	1						2			2					4 \$ 390
Civil Demolition Plan	1	1		2			8		8						19 \$ 2,125
Well Production Well	1	1		16			16		16						49 \$ 5,995
Civil Yard Piping Plan - base	1	1		2			16		16						35 \$ 3,685
Site Layout	1	1		2			24		24						51 \$ 5,245
Well & Treatment Grading and Drainage Plan	1	1		2			24		24						51 \$ 5,245
Reservoir Grading and Drainage Plan	1	1		2			24		24						51 \$ 5,245
Reservoir Plan and Layout	1	1		2			24		24						51 \$ 5,245
Reservoir Details	1	1		2			16		16						35 \$ 3,685
Standard Civil Details	1	1		2			16		8						27 \$ 2,965
Div. 2 & 13 Specifications / Costs		1		16			24				16				57 \$ 6,915
<b>Total</b>	<b>15</b>														
<b>Process/Architectural/Structural</b>															
CDM Smith Effort		1		8			8		16		4	\$ 147,939			37 \$ 152,154
<b>Total</b>															
<b>Electrical/Instrumentation Design</b>															
Electrical Notes, and Legend	1					1			1						2 \$ 215
Electrical Symbols and Abbreviations	1					1			1						2 \$ 215
Electrical Site Plan - Well & Treatment	1	1		16			16		16						33 \$ 3,675
Single Line Diagrams & Load Summary	1	1		24			24		16						41 \$ 4,675
Treatment Building Power Plan	1	1		16			16		16						33 \$ 3,675
Treatment Building Lighting Plan	1	1		16			16		16						33 \$ 3,675
Treatment Building Instrumentation/Control Plan	1	1		16			16		16						33 \$ 3,675
Control Schematics	1	1		24			24		8						33 \$ 3,955
Panelboard Schedules	1	1		24			24		8						33 \$ 3,955
Standard Electrical Details	1	1		16			16		16						33 \$ 3,675
Instrumentation Notes, Symbols and Legend	1	1		1			1		2						4 \$ 540
Instrumentation Diagram I	1	1		24			24		16						41 \$ 4,675
Instrumentation Diagram II	1	1		24			24		16						41 \$ 4,675
Control System Architecture Diagram & Details	1	1		24			24		8						33 \$ 3,955
Div. 13 & 16 Specifications / Costs		1					24				8				33 \$ 3,995
<b>Total</b>	<b>14</b>														
<b>Mechanical Design</b>															
Mechanical Notes, Symbols and Legend	1	1				1			2						4 \$ 540
Treatment Building HVAC Plan	1	1				16			16						33 \$ 3,675
Treatment Building Plumbing Plan	1	1				16			16						33 \$ 3,675
Plumbing Schedules/Details	1	1				24			8						33 \$ 3,955
HVAC Schedules/Details	1	1				24			8						33 \$ 3,955
Div. 15 Specifications / Costs		1				24					4				29 \$ 3,615
<b>Total</b>	<b>5</b>														
<b>Internal QA/QC</b>															
Constructability Review		8	8												16 \$ 3,520
Final plans/Specs Review		8	8												16 \$ 3,520
<b>TOTAL HRS:</b>	<b>34</b>	<b>115</b>	<b>16</b>	<b>238</b>	<b>18</b>	<b>356</b>	<b>391</b>		<b>436</b>	<b>80</b>	<b>\$ 174,549</b>	<b>\$ -</b>			<b>1,650</b>
<b>TOTAL PROJECT COST:</b>															<b>\$ 379,129</b>