



# Agenda

## **PUBLIC UTILITIES COMMITTEE MEETING**

**WEDNESDAY, AUGUST 1, 2018**

### **BUCKMAN REGIONAL WATER TREATMENT PLANT (BDD)**

**341 Caja del Rio**

**Regular Meeting – 4:00pm**

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE JULY 3, 2018 PUC MEETING

#### **CONSENT – ACTION CALENDAR**

6. Monthly Update of Capital Improvements Projects. (Shannon Jones)
7. Update on Current Water Supply Status and Drought, Monsoon and Storage. (Nick Schiavo)
8. Water Conservation Program Scorecard Update for July 2018. (Christine Chavez)
9. Request for approval of the 2017 Annual Water Report. (Arianna Espinoza and Andrew Erdmann)
10. Wastewater Management Division Monthly Update. (Shannon Jones)
11. Report on equivalent value of reclaimed water at the Santa Fe Country Club, MRC and Marty Sanchez as requested by Councilor Ives at the 7/3/2018 PUC meeting. (Shannon Jones)
12. Report on the Long Term Water Drought Contingency Plan as requested by Councilor Ives at the 7/3/2018 PUC meeting. (Andrew Erdman)

RECEIVED AT THE CITY CLERK'S OFFICE

DATE: 7/26/2018

TIME: 11:58 AM

13. Request for approval of Amendment No. 1 to the original PSA # 17-1360 with HEI, Inc. for the installation of network communication cable for data and video network services for the Water Division and Utility Billing Division for the amount of \$13,400.91 exclusive of NMGRT. (Shannon Jones)

Public Utilities Committee – 8/1/2018

Finance Committee – 8/20/2018

City Council – 8/29/2018

14. Request for approval to purchase a Sewer Vactor Truck for the Wastewater Management Division as a replacement for FA# 51040 for the amount of \$398,868. (Jerry Tapia)

Public Utilities Committee – 8/1/2018

Finance Committee – 8/20/2018

City Council – 8/29/2018

#### **MATTERS FROM THE PUBLIC**

#### **MATTERS FROM THE CITY ATTORNEY**

#### **MATTERS FROM STAFF**

#### **MATTERS FROM THE COMMITTEE**

**NEXT MEETING: Wednesday, September 5, 2018 at Environmental Services Division on Siler Road**

#### **ADJOURN**

**TOUR OF BUCKMAN REGIONAL WATER TREATMENT PLANT (BDD)  
(Immediately following meeting)**

**PERSONS WITH DISABILITIES IN NEED OF ACCOMMODATIONS, CONTACT THE CITY CLERK'S OFFICE AT 955-6520, FIVE (5) WORKING DAYS PRIOR TO MEETING DATE.**

SUMMARY OF ACTION  
PUBLIC UTILITIES COMMITTEE  
BUCKMAN REGIONAL WATER TREATMENT PLANT  
341 CAJA DEL RIO  
WEDNESDAY, AUGUST 1, 2018

<u>ITEM</u>	<u>ACTION</u>	<u>PAGE</u>
CALL TO ORDER		1
ROLL CALL	QUORUM	1
APPROVAL OF AGENDA	APPROVED	1
APPROVAL OF CONSENT AGENDA	AMENDED/APPROVED	1-2
APPROVAL OF MINUTES JULY 3, 2018	APPROVED	2
<u>CONSENT CALENDAR</u>		
MONTHLY UPDATE OF CAPITAL IMPROVEMENTS PLAN	APPROVED	2-3
UPDATE ON CURRENT WATER SUPPLY STATUS AND DROUGHT, MONSOON AND STORAGE	APPROVED	3-4
WATER CONSERVATION PROGRAM SCORECARD UPDATE FOR JULY 2018	APPROVED	4-5
REQUEST FOR APPROVAL OF THE 2017 ANNUAL WATER REPORT	APPROVED	5-8
WASTEWATER MANAGEMENT DIVISION MONTHLY UPDATE	APPROVED	9-10
REPORT OF EQUIVALENT VALUE OF RECLAIMED WATER AT THE SANTA FE COUNTRY CLUB, MRC AND MARTY SANCHEZ AS REQUESTED BY COUNCILOR IVES AT THE 7/3/2018 PUC MEETING.	APPROVED	10

REPORT ON THE LONG TERM WATER DROUGHT CONTINGENCY PLAN AS REQUESTED BY COUNCILOR IVES AT THE 7/3/2018 PUC MEETING.	APPROVED	10-11
REQUEST FOR APPROVAL OF AMENDMENT NO. 1 TO THE ORIGINAL PSA # 17-1360 WITH HEI, INC. FOR THE INSTALLATION OF NETWORK COMMUNICATION CABLE FOR DATA AND VIDEO NETWORK SERVICES FOR THE WATER DIVISION AND UTILITY BILLING DIVISION FOR THE AMOUNT OF \$13,400.91 EXCLUSIVE OF NMGR.	APPROVED ON CONSENT	11
REQUEST FOR APPROVAL TO PURCHASE A SEWER VACTOR TRUCK FOR THE WASTEWATER MANAGEMENT DIVISION AS A REPLACEMENT FOR FA# 51040 FOR THE AMOUNT OF \$398,868.	APPROVED ON CONSENT	11
MATTERS FROM THE PUBLIC	NONE	11
MATTERS FROM THE CITY ATTORNEY	NONE	11
MATTERS FROM STAFF	NONE	12
MATTERS FROM THE COMMITTEE	NONE	12
NEXT MEETING	SEPTEMBER 5, 2018	12
ADJOURN	ADJOURNED	12
TOUR OF BUCKMAN REGIONAL WATER TREATMENT PLANT (BDD)		

**PUBLIC UTILITIES COMMITTEE  
BUCKMAN REGIONAL WATER TREATMENT PLANT  
341 CAJA DEL RIO  
WEDNESDAY, AUGUST 1, 2018**

**1. CALL TO ORDER**

The meeting of the Public Utilities Committee was called to order at 5:00 pm by Councilor Christopher Rivera, on Wednesday, August 1, 2018, at the Buckman Regional Water Treatment Plant, 341 Caja Del Rio, Santa Fe, New Mexico.

**2. ROLL CALL**

**Members Present:**

Councilor Christopher Rivera, Chair  
Councilor Peter Ives  
Councilor Renee Villarreal  
Councilor Joanne Vigil Coppler

**Members Absent:**

Councilor Carol Romero Wirth,  
Excused

**Others Present:**

Shannon Jones, Wastewater Management Division  
Stephanie López, Public Utilities Department  
Marcos Martínez, Assistant, City Attorney  
Elizabeth Martin, Stenographer

**NOTE:** All items in the Committee packet for all agenda items are incorporated herewith to these minutes by reference. The original Committee packet is on file in the Public Utilities Department.

**3. APPROVAL OF AGENDA**

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the agenda as presented.

**VOTE** The motion passed unanimously by voice vote.

**4. APPROVAL OF CONSENT AGENDA**

Councilor Ives said he would like to pull items A-G for discussion.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the consent agenda as amended.

**VOTE** The motion passed unanimously by voice vote.

**5. APPROVAL OF MINUTES  
JULY 3, 2018**

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the minutes as presented.

**VOTE** The motion passed unanimously by voice vote.

**6. CONSENT CALENDAR**

**A. MONTHLY UPDATE OF CAPITAL IMPROVEMENTS PLAN  
Shannon Jones**

Councilor Ives said he noticed in the memo that some projects increased by large amounts. It seemed odd that we underestimated. Is there any way to do better job so we are not finding ourselves always under budgeted.

Mr. Jones said he can talk to the Project Manager about that. Most of the changes have to do with things that occurred afterwards such as a handicapped accessible ramp that was not budgeted for, but was worth doing while we were there. Definitely there are some approaches he can talk with him about such as a contingency. He will talk with him about project estimates and items to take into consideration.

Councilor Ives said thank you. He also noticed the digester information said it will increase capacity by 15%. Are the old ones going to disappear.

Mr. Jones said on the digesters they are new digesters. They will stay functional until we finish commissioning those new ones, then we will do an evaluation about what we do with the existing infrastructure.

Councilor Ives said we have talked about what our capacity is at the plant and he would like to look to the County, as they contribute more with new development, to contribute more.

Councilor Ives said he looked at the nutrient study and appreciates having that.

Councilor Ives said on the sewer line rehab the memo indicated the Division will invest up to \$2 million in 18/19 to replace the pipeline. Will that be paid for through rates and collections.

Mr. Jones said yes, it is part of our 5 year CIP.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Villarreal, to approve the report.

Councilor Rivera asked is it still the AME process for the pipeline rehab.

Mr. Jones said yes, that is the process. 90% of our rehab is done that way. The Contract allows for excavation if necessary.

Councilor Rivera said if you have not seen that process he encourages everyone to check it out. It is done with cameras and little robots. It is great technology and well worth the money we are spending.

**VOTE** The motion passed unanimously by voice vote.

**B. UPDATE ON CURRENT WATER SUPPLY STATUS AND DROUGHT,  
MONSOON AND STORAGE Alex Puglisi**

Councilor Ives said he noticed only one well on the map that is identified as a deep well. The rest are shallow and intermediate. What is the distinction. Is one deep well enough to meet the objectives in the memo.

M. Puglisi said at this time they are trying to get a bit more information on the site in the center of the deep well. That is why there is only one right now. That is the location that came back fairly contaminated so they want to identify how deep the contamination went at that site. This well will go deeper to show how much contamination we have at 400 feet and below. They wanted to look at the concentrations of hydro carbons at that deeper level. Some of the wells drilled in the past never went deep enough to make that determination. This was drilled by the Environment Department.

Councilor Ives said he remembers presentations on the geography of the Rio Grande Valley showing the degree of the producing zones. He was not sure if those are hitting all the production zones.

Mr. Puglisi said we are if we do shallow, intermediate and deep. The last round of testing showed contamination in several shallow and intermediate zones. That is why we are going further to the east with the shallow and intermediate wells. The concern is that there could be some off site sources contributing to this site that are east of Cerrillos. Directly to the north of the new well. Once they see if there is contamination in the intermediate zone they may go deeper there. There are going to be 49 to 50 wells at this site. We still don't have enough information to show the plume.

Councilor Ives said in the memo on page 2, that is talking about these wells being drilled as opposed to the other wells that could be taken care of through remediation.

Puglisi said yes. There are a number of domestic wells surrounding this area.

Part of the objective is to find out if there is a threat to some of the domestic wells which tend to be in shallow or intermediate.

Councilor Ives asked do you know how much water is in Abiquiu and other reservoirs.

Mr. Puglisi said Rick prepares that portion of the report. He is not familiar with those numbers.

Councilor Ives asked is there an update on the continuation of running water down the river.

Mr. Puglisi said that is still happening.

Mr. Erdman said Albuquerque is still interested in that and it is on track.

Councilor Ives asked do you think we will get the last 1%.

Mr. Erdman said he thinks we are on track for that.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the report.

**VOTE** The motion passed unanimously by voice vote.

**C. WATER CONSERVATION PROGRAM SCORECARD UPDATE FOR JULY 2018 Christine Chavez**

Councilor Ives said he sees on the scorecard that the Eye On Water roll out shows just under 3,500 sign ups. Is that of the 32,000 possible across the City.

Ms. Chavez said we had hoped to hit 10% of our customers to start with so we are doing well. We have lots of different campaigns to encourage sign ups.

Councilor Ives said 10%, while realistic, does not seem to be nearly enough. Would you mind sending to him what the benefits are of having individuals sign up to them and to the City of having much greater participation. He would love to understand that better so he can speak about it to encourage more people to get signed up.

Councilor Ives asked under residential and commercial rebates what is your sense of how many more are out there. How are we doing on those in getting to 100% participation.

Ms. Chavez said we were a bit disappointed at that number. We had a lot of participation, but it is a toilet at a time, \$100 at a time. Small amounts take longer to



build up. The biggest thing is our commercial rebate. That really is going to make up the largest portion of our rebate funding. When she looked at the number of applications processed she thinks we are doing a good job. We need to start looking at opportunities in the commercial sector more.

Councilor Ives asked do we need to simplify the process more.

Ms. Chavez said once we put the application on line and customers had the ability to apply on line we had a huge uptick. There are always ways to make it easier. We are always looking at that.

Councilor Ives said in reference to the drought emergency memo to the Planning Commission, he has not seen it and would love to.

Ms. Chavez said we were asked to work on that with the Planning Commission. We submitted the information they needed. She is not sure what their next steps are.

Councilor Ives said he would love to look at the memo.

Ms. Chavez said that would be from the Planning Commission. They asked us for pieces and they are drafting the memo. It was part of their meeting last month.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the report.

**VOTE** The motion passed unanimously by voice vote.

**D. REQUEST FOR APPROVAL OF THE 2017 ANNUAL WATER REPORT  
Andrew Erdmann and Arianna Espinoza**

Councilor Ives said he wondered if we are having this meeting out here today because of this report. Kudos to the City on their water use last year. Are we on track on the figure of using 10,000 acre feet this year. What is the effect on GPCD.

Mr. Erdmann said we are on track for the projections. Spring was on track. We are projecting total production numbers and getting more water from this facility than we projected which is fantastic. Things are going pretty well.

Councilor Ives said the first page of the memo says the City of Santa Fe's drinking water is of excellent quality. When it comes to the things we are required to test for and do test for we are doing a good job. We are planning a study session on the issues of water quality. Just knowing that a stretch of the Santa Fe River does not have quality testing in place yet is a concern. That always puts a qualifier on all measures when testing is required so it is not an over statement and we need more information for clarity.

Councilor Ives said in the report itself on page 2 it talks about groundwater. He is curious about our allocation of San Juan water. Are we putting more into storage and using groundwater to make sure all our wells are working as efficiently as they could.

Mr. Erdmann said we are going to go higher on the San Juan/Chama water. Due to the uniqueness of this year the concern was having to make water out of groundwater. We wanted to look at that scenario.

Councilor Ives said we talk about predicting in 2018. We are mid year. At this point in time one could make a very affirmative statement about predictions. Is it possible to get this report out earlier.

Mr. Erdmann said we would like to get it done earlier.

Ms. Espinoza said constraints were the GPCD and getting information from the State Engineer's Office.

Councilor Ives said he is hopeful with our new systems we will be able to gather that information more quickly.

Councilor Ives said on page 3 it talks about baseline production. He is curious what baseline production means in this context.

Mr. Erdmann said this is new for this year. This was designed to make sure we were testing everything enough and on time and when sampling is coming up. We took all the wells and batched them in 3 batches. We are looking at this in case we have to rely more heavily on the wells. We want to see if any maintenance is required so we can make sure we are running them when we have to and if we need them more we are ready.

Councilor Ives asked does the 5,500 acre feet demand represent both numbers combined.

Mr. Erdmann said yes. It might be simpler if we did it more visually.

Councilor Ives said it is good to know the information and what sort of constraints you are operating under. It is helpful.

Councilor Ives said on page 6 it talks about relinquishment of credits. Our San Juan/Chama water is not subject to the compact because it is a separate source so this has to relate to the Santa Fe River water. We know Article 7 is in place and McClure and Nichols can only hold 4,200 acre feet. We have these credits, but not wet water stored anywhere that represents those credits.

Mr. Erdmann said we are able to store additional water in the reservoirs for

balance. Only one time did we dip into these credits. We get 2 different pieces of advice from the State Engineer. If we don't use them they are not seen as valuable. If we use them they may not give them back to us.

Councilor Ives said it seems the only time you would want to use them is when Article 7 is in place.

Mr. Erdmann said it is also raining so you need both.

Councilor Ives said we could refer to this as our rainy day fund that we use sparingly.

Mr. Erdmann said the circumstances required when they are available for use are fairly stringent.

Councilor Ives said he was hoping Andrew could walk us through the final 2 sentences on the bottom of page 8.

Mr. Erdmann said this is reporting on the findings of the Basin Study. The purpose of this was to get the biggest stretch possible of the affluent water coming out to the Wastewater Treatment Plant. Identified in that report was returning water to the Rio Grande. It talks about returning the unconsumed portion of our San Juan/Chama water back to the Rio Grande so we could continue to divert a like amount.

Councilor Ives asked so you are saying this is how we meet our return flow requirements under the permits.

Mr. Erdmann said we don't have any return flow requirements under any of our permits right now. We divert 1,000 acre feet.

Councilor Ives asked what will this do to our friends downstream.

Mr. Erdmann said it will reduce the water coming out of the Wastewater Treatment Plant. There will be a significant decrease for people downstream. We are discussing that with the State Engineer's Office.

Councilor Ives asked what do you think our GPCD will be if we use 10,000 acre feet.

Mr. Erdmann said close to 95.

Councilor Ives said we talk about the Water Bank in the memo. Are we considering resiliency. The Water Bank is tied to continued development in the City. We do try to keep a minimum balance in the Water Bank, correct.

Mr. Erdmann said yes we do. We have been buying back credits and that has gotten our balance back up to where it needs to be.

Councilor Ives asked do you have a sense of how low it has to get to look at reconsidering rules and regulations around this.

Mr. Erdmann said the Water Bank allows us to have water to sell to developers. There is always some water for sale for those developers.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the report.

Councilor Villarreal said thank you for your thorough report. Let us know when this will be on the website so we can direct people there. This is a great resource and shows we are on top of all these factors and the partnerships we have and the legal requirements. It is good to have available and is helpful to her. She is curious if someone could explain this last rainfall. It was 1/3 of what we normally get annually.

Mr. Erdmann said it was a win in town, but it was not above the reservoirs. There are 2 graphs that will illustrate this, he does not have them with him. The gauge behind the reservoir ticked up just a bit. The gauge by Cochiti jumped up considerably. We did not get the benefit in terms of the water supply because it was below the reservoirs.

Mr. Jones said these were isolated rain storms. There were vastly different amounts of water detected in different parts of the City.

Councilor Villarreal asked how is it that our water supply effects Taos. Is that something historical. Someone from Taos told her we are taking all their water.

Mr. Erdmann said there is a point between us and Taos and moving water from one side to another is not something we should do.

Mr. Martinez said it is the County that is moving water. Top of the World water

Councilor Villarreal said thank you. Good job.

**VOTE** The motion passed unanimously by voice vote.

## **E. WASTEWATER MANAGEMENT DIVISION MONTHLY UPDATE**

**Shannon Jones**

Councilor Villarreal said she would like to follow up on undocumented sewer

services.

Mr. Jones said within the code it talks about accessibility. Because of this program when he goes to public meetings he is asked why the City is doing something to them when they are in the County. Our codes and rules apply to a service area. The code doesn't talk about a property accessible to a water feed, but it is subject to code. None of the arguments he has made have turned that perception. We continue to work on that. We work with the County Commissioners and continue to communicate with the people.

Councilor Ives asked do you have any sense of when this will be complete.

Mr. Jones said he expects it will begin to taper off. He is hoping that within the next 6 months to a year we will have a normalized checks and balances program. We are constantly doing comparisons of data.

Councilor Ives said on page 3 he was wondering what, as a practical matter, the difference meant. Does that mean a greater cost to the City or greater liability to the City.

Mr. Jones said those are great questions. From a wastewater perspective when you permit on what you are going to release there are 2 factors. Concentration and loading base. As long as you have both of those permit requirements you are good. As we go through the permit renewal we look carefully at that. We have a good case and argument.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the report.

Chair Rivera asked are there any funds out there to help residents hook up to the sewer based on income levels or size of homes.

Mr. Jones said he does not have intimate knowledge of that process. He has seen Community Service funding within our service area such as Agua Fria. That was facilitated through the County. The funding was through the legislative level.

Chair Rivera said we need to start looking into that more. There are areas off Airport Road that are private streets. Their sewage is being pushed out into their community. We need to talk more about that and start looking for a solution. He will get with the several people involved.

**VOTE** The motion passed unanimously by voice vote.

**F. REPORT OF EQUIVALENT VALUE OF RECLAIMED WATER AT THE SANTA FE COUNTRY CLUB, MRC AND MARTY SANCHEZ AS REQUESTED BY COUNCILOR IVES AT THE 7/3/2018 PUC MEETING. Shannon Jones**

Councilor Ives asked looking at the chart of the users listed, which ones actually make payments to the City.

Mr. Jones said we only selected users not paying into the utility.

Councilor Ives said he hears from soccer folks that the County and State have agreed to put in half a million and the City has not put in anything. This belies that statement. We are putting in a lot at MRC, a substantial amount of which goes to the soccer fields. He appreciates knowing more what the value is.

Councilor Ives said he would like to see projected figures for 2019 when possible. He appreciates this information very much. It gave him what he was looking for.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Vigil Copper, to approve the report.

**VOTE** The motion passed unanimously by voice vote.

**G. REPORT ON THE LONG TERM WATER DROUGHT CONTINGENCY PLAN AS REQUESTED BY COUNCILOR IVES AT THE 7/3/2018 PUC MEETING. Andrew Erdmann**

Councilor Ives said he is looking at page 2 of the memo. Walk him through what would have to happen to reach the orange level circumstance.

Mr. Erdmann said if we found that we were only able to meet 80% of demand we would decrease the water and the Water Manager would recommend to the City Manager that we are in water orange.

Councilor Ives said it seems like that would be done at the beginning of the year rather than as an emergency when it happens.

Mr. Erdmann said yes, that is right.

Councilor Ives asked how does it get updated during the year.

Mr. Erdmann said there is more than one thing that causes the City to declare an emergency. There are 3 factors listed in memo.

Mr. Erdmann reviewed the memo.

Councilor Ives said with the Buckman well field and the City well field we have supply in hand. How do we ever meet those emergency conditions.

Mr. Erdmann said we use lower numbers for those predictions. They were written before the Buckman Direct Diversion came on line and the level of conservation efforts we have achieved. It would be difficult to reach emergency levels.

Councilor Ives said it begs the question of do we need to change the rules.

**MOTION** A motion was made by Councilor Ives, seconded by Councilor Villarreal, to approve the report.

**VOTE** The motion passed unanimously by voice vote.

Councilor Ives said thank you Mr. Chair.

**H. REQUEST FOR APPROVAL OF AMENDMENT NO. 1 TO THE ORIGINAL PSA # 17-1360 WITH HEI, INC. FOR THE INSTALLATION OF NETWORK COMMUNICATION CABLE FOR DATA AND VIDEO NETWORK SERVICES FOR THE WATER DIVISION AND UTILITY BILLING DIVISION FOR THE AMOUNT OF \$13,400.91 EXCLUSIVE OF NMGR.**

Approved on consent.

**I. REQUEST FOR APPROVAL TO PURCHASE A SEWER VACTOR TRUCK FOR THE WASTEWATER MANAGEMENT DIVISION AS A REPLACEMENT FOR FA# 51040 FOR THE AMOUNT OF \$398,868.**

Approved on consent.

**7. MATTERS FROM THE PUBLIC**

None.

**8. MATTERS FROM THE CITY ATTORNEY**

None.

**9. MATTERS FROM STAFF**

None.

**10. MATTERS FROM THE COMMITTEE**

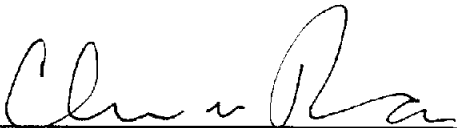
None.

**11. NEXT MEETING  
SEPTEMBER 5, 2018, ENVIRONMENTAL SERVICES DIVISION**

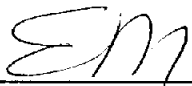
**12. ADJOURN**

There being no further business before the Committee the meeting adjourned at 5:30 pm.

**TOUR OF BUCKMAN REGIONAL WATER TREATMENT PLANT (BDD)**



Councilor Christopher Rivera, Chair



Elizabeth Martin, Stenographer