



Agenda

DATE 8/26/15 TIME 1:20

SERVED BY Thomas A. Lopez

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**PUBLIC UTILITIES COMMITTEE
MEETING
CITY COUNCIL CHAMBERS
200 Lincoln
WEDNESDAY, SEPTEMBER 2, 2015
REGULAR MEETING – 5:00 P.M.**

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE AUGUST 5, 2015 PUC MEETING

INFORMATIONAL ITEMS

6. Update on Current Water Supply Status and McClure Reservoir Construction. (Alex Puglisi and Robert Jorgensen) 5 minutes
7. Presentation of the 2014 Consumer Confidence Report and discussion of water quality results reported within the brochure disseminated to customers and the public. (Alex Puglisi) 5 minutes
8. Utility Billing Division Update. (Diana Catanach) 5 minutes
9. Report on Wastewater Management Division's Five Year Capital Improvements Plan. (Shannon Jones) 10 minutes
10. Report on Single Stream Recycling Including Glass (Residential). (Nick Schiavo) 5 minutes

CONSENT – ACTION CALENDAR

11. Request for approval of Award of RFB '15/32/B and contract to Sub Surface Contracting for the Douglas Street, Miller Street and Camino Escondido Water Main Replacement Project, CIP # 3046 for \$200,669.80 exclusive of NMGRT. (Bill Huey)

Finance Committee – August 31, 2015

Public Utilities Committee – September 2, 2015

City Council – September 9, 2015

12. Request for approval to procure HVAC services at the City of Santa Fe Wastewater Treatment Plant under the existing City of Santa Fe On-Call Contract Miscellaneous HVAC Services with Yearout Services, LLC in the amount of \$231,309.00 exclusive of NMGRT. (Kathleen Garcia)

- a. Request for approval of a Budget Adjustment Request that transfers cash from Fund 5450 and increases BU/LI 52452.510310

Public Utilities Committee – 9/2/15

Finance Committee – 9/15/15

City Council – 9/30/15

13. Request for approval of Award of RFP '15/34/P and contract to CDM Smith for On-Call Services to support Water Resources and Water Systems Improvements for the amount of \$625,000.00 exclusive of NMGRT. (Bill Schneider)

- a. Request for approval of a Budget Adjustment for the amount of \$136,016.00.

Public Utilities Committee – 9/2/15

Finance Committee – 9/15/15

City Council – 9/30/15

14. Request for approval of Amendment No. 1 to the contract # 15-0382 with Anderson-Brown, Inc. for repairs to the digesters for the amount of \$15,320.00 exclusive of NMGRT. (Luis Orozco)

Public Utilities Committee – 9/2/15

Finance Committee – 9/15/15

City Council – 9/30/15

15. Request for approval of Resolution No. 2015-_____. A resolution supporting legislation amending NMSA 1978, § 72-1-9 Preservation of Municipal, County, and State University Water Supplies. (Marcos Martinez) (Councilor Maestas)

Finance Committee – 8/31/15
Public Utilities Committee – 9/2/15
City Council – 9/9/15

16. Request for approval of Resolution No. 2015-_____. A resolution supporting legislation amending NMSA 1978, § 72-6-4 Lessee's Application, Use Before Approval. (Marcos Martinez) (Councilor Maestas)

Finance Committee – 8/31/15
Public Utilities Committee – 9/2/15
City Council – 9/9/15

17. Request for approval of Resolution No. 2015-_____. A resolution supporting legislation amending the Office of the State Engineer's hearing procedures, NMSA 1978, § 72-7-1 and NMSA 1978, § 72-2-16. (Marcos Martinez) (Councilor Maestas)

Finance Committee – 8/31/15
Public Utilities Committee – 9/2/15
City Council – 9/9/15

18. Request for approval of Resolution No. 2015-_____. A resolution supporting legislation amending NMSA 1978, § 72-12-3(D) and 72-5-5(B), to Define the Standing of Protestants. (Marcos Martinez) (Councilor Maestas)

Finance Committee – 8/31/15
Public Utilities Committee – 9/2/15
City Council – 9/9/15

19. Request for approval of Resolution No. 2015-_____. A resolution supporting legislation amending NMSA 1978, § 72-12-24 Supplemental Well, and § 72-12-22, Replacement Wells. (Marcos Martinez) (Councilor Maestas)

Finance Committee – 8/31/15
Public Utilities Committee – 9/2/15
City Council – 9/9/15

20. Request for approval of Resolution No. 2015-_____. A resolution directing staff to research options for City departments to initiate collections of delinquent fees and payments for services rendered. (Oscar Rodriguez) (Councilor Lindell)

Public Safety Committee – 8/18/15 (approved)
Public Works Committee – 8/24/15
Finance Committee – 8/31/15
Public Utilities Committee – 9/2/15
City Council – 9/9/15

21. Request for approval of Resolution No. 2015-_____. A resolution authorizing the placement of a question on the ballot of a special election, to be held in conjunction with the regular election on March 1, 2016, to ask the voters of the City of Santa Fe whether or not the Santa Fe Municipal Charter should be amended to include a provision to establish a Santa Fe Public Utility Board. (Nick Schiavo) (Councilor Maestas)

Finance Committee – 8/31/15

Public Utilities Committee – 9/2/15

City Council – 9/9/15

DISCUSSION AND ACTION

22. Request for approval of a Memorandum of Understanding between the City of Santa Fe and Santa Fe County regarding the provision of wastewater collection and treatment service for the Stacy Community Property Trust located outside the presumptive city limits in Agua Fria Village. (Stan Holland)

Public Utilities Committee – 9/2/15

Finance Committee – 9/15/15

City Council – 9/30/15

MATTERS FROM THE PUBLIC

MATTERS FROM THE CITY ATTORNEY

MATTERS FROM STAFF

MATTERS FROM THE COMMITTEE

NEXT MEETING: Wednesday, October 7, 2015

ADJOURN

PERSONS WITH DISABILITIES IN NEED OF ACCOMODATIONS, CONTACT THE CITY CLERK'S OFFICE AT 505-955-6520, FIVE (5) WORKING DAYS PRIOR TO THE MEETING DATE.

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PUBLIC UTILITIES COMMITTEE MEETING
Wednesday, September 2, 2015**

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REQUEST FOR APPROVAL OF A BUDGET ADJUSTMENT FOR THE AMOUNT OF \$136,016	Approved	10-11

<u>ITEM</u>	<u>ACTION</u>	<u>PAGE</u>
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REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- ____ A RESOLUTION DIRECTING STAFF TO RESEARCH OPTIONS FOR CITY DEPARTMENTS TO INITIATE COLLECTIONS OF DELINQUENT FEES AND PAYMENTS FOR SERVICES RENDERED *****	Approved	17-19
END OF CONSENT CALENDAR DISCUSSION *****		
<u>DISCUSSION AND ACTION</u>		
REQUEST FOR APPROVAL OF A MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF SANTA FE AND SANTA FE COUNTY REGARDING THE PROVISION OF WASTEWATER COLLECTION AND TREATMENT SERVICE FOR THE STACY COMMUNITY PROPERTY TRUST LOCATED OUTSIDE THE PRESUMPTIVE CITY LIMITS IN AGUA FRIA VILLAGE	Approved	20-24
MATTERS FROM THE PUBLIC	Information/discussion	24
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**MINUTES OF THE
CITY OF SANTA FE
PUBLIC UTILITIES COMMITTEE
Wednesday, September 2, 2015**

1. CALL TO ORDER

A meeting of the Public Utilities Committee was called to order by Councilor Christopher M. Rivera, Chair, at approximately 5:00 p.m., on Wednesday, September 2, 2015, in the Council Chambers, City Hall, Santa Fe, New Mexico.

2. ROLL CALL

MEMBERS PRESENT:

Councilor Christopher M, Rivera, Chair
Councilor Patti J. Bushee
Councilor Peter N. Ives

MEMBERS EXCUSED:

Councilor Joseph M. Maestas
Councilor Bill Dimas

OTHERS PRESENT:

Nick Schiavo, Public Utilities Director
Marcos Martínez, Assistant City Attorney
Elizabeth Martin for Melessia Helberg, Stenographer

There was a quorum of the membership present for conducting official business.

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

Nick Schiavo, Public Utilities Director, said Item 21 has been withdrawn by the maker, Councilor Maestas.

Councilor Bushee asked if it has been withdrawn permanently.

Mr. Schiavo said Councilor Maestas wanted to remove the Resolution which would put this item on the ballot, and come back with a Resolution to create a similar committee without going out for a vote.

MOTION: Councilor Ives moved, seconded by Councilor Bushee, to approve the Agenda, as amended.

VOTE: The motion was approved unanimously on a voice vote.

4. APPROVAL OF CONSENT AGENDA

MOTION: Councilor Bushee moved, seconded by Councilor Ives, to approve the following Consent Action Calendar, as amended.

VOTE: The motion was approved unanimously on a voice vote.

CONSENT – ACTION CALENDAR

11. **REQUEST FOR APPROVAL OF AWARD OF RFB 15/32/B AND CONTRACT TO SUBSURFACE CONTRACTING FOR THE DOUGLAS STREET, MILLER STREET AND CAMINO ECONDIDO WATER MAIN REPLACEMENT PROJECT, CIP #3046 FOR \$200,669.80, EXCLUSIVE OF NMGR. (BILL HUEY) Committee Review: Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council -09/09/15.**
12. **REQUEST FOR APPROVAL TO PROCURE HVAC SERVICES AT THE CITY OF SANTA FE WASTEWATER TREATMENT PLANT UNDER THE EXISTING CITY OF SANTA FE ON-CALL CONTRACT MISCELLANEOUS HVAC SERVICES WITH YEAROUT SERVICES, LLC, IN THE AMOUNT OF \$231,309, EXCLUSIVE OF NMGR. (KATHLEEN GARCIA)**
 - a. **REQUEST FOR APPROVAL OF A BUDGET ADJUSTMENT REQUEST THAT TRANSFERS CASH FROM FUND 5450 AND INCREASES BU/L1 52452.520310 Committee Review: Finance Committee 09/02/15; Public Utilities Committee 09/15/15; and City Council -09/30/15.**
13. ***[Removed for discussion by Councilor Ives]***

14. REQUEST FOR APPROVAL OF AMENDMENT NO. 1 TO THE CONTRACT #15-0382 WITH ANDERSON-[BROWN, INC., FOR REPAIRS TO THE 3 DIGESTERS FOR THE AMOUNT OF \$15,320, EXCLUSIVE OF NMGR. Committee Review: Finance Committee 09/02/15; Public Utilities Committee 09/15/15; and City Council 09/30/15.
15. REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- _____. A RESOLUTION SUPPORTING LEGISLATION AMENDING NMSA 1978, §72-1-9 PRESERVATION OF MUNICIPAL, COUNTY AND STATE UNIVERSITY WATER SUPPLIES (COUNCILOR MAESTAS AND COUNCILOR IVES). (MARCOS MARTÍNEZ) Committee Review: Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council - 09/09/15.
16. REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- _____. A RESOLUTION SUPPORTING LEGISLATION AMENDING NMSA 1978, §76-6-5 LESSEE'S APPLICATION, USE BEFORE APPROVAL (COUNCILOR MAESTAS AND COUNCILOR IVES). (MARCOS MARTÍNEZ) Committee Review: Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council 09/09/15.
17. REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- _____. A RESOLUTION SUPPORTING LEGISLATION AMENDING THE OFFICE OF THE STATE ENGINEER'S HEARING PROCEDURES, NMSA 1978, §76-7-1 AND NMSA 1978, §72-2-16 (COUNCILOR MAESTAS AND COUNCILOR IVES). (MARCOS MARTÍNEZ) Committee Review: Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council 09/09/15.
18. REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- _____. A RESOLUTION SUPPORTING LEGISLATION AMENDING NMSA 1978, §72-12-3(D) AND 72-5-5(B), TO DEFINE THE STANDING OF PROTESTANTS (COUNCILOR MAESTAS AND COUNCILOR IVES). (MARCOS MARTÍNEZ) Committee Review: Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council 09/09/15.
19. *[Removed for discussion by Councilor Bushee]*
20. *[Removed for discussion by Councilor Bushee]*

21. REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- _____. A RESOLUTION AUTHORIZING THE PLACEMENT OF A QUESTION ON THE BALLOT OF A SPECIAL ELECTION, TO BE HELD IN CONJUNCTION WITH THE REGULAR ELECTION ON MARCH 1, 2016, TO ASK THE VOTERS OF THE CITY OF SANTA FE WHETHER OR NOT THE SANTA FE MUNICIPAL CHARTER SHOULD BE AMENDED TO INCLUDE A PROVISION TO ESTABLISH A SANTA FE PUBLIC UTILITY BOARD (COUNCILOR MAESTAS). (NICK SCHIAVO) Committee Review: Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council 09/09/15. Withdrawn by Sponsor

5. APPROVAL OF MINUTES FROM THE AUGUST 5, 2015 PUC MEETING

MOTION: Councilor Ives moved, seconded by Councilor Bushee, to approve the minutes of the PUC meeting of August 5, 2015, as presented.

VOTE: The motion was approved unanimously on a voice.

INFORMATIONAL ITEMS

6. UPDATE ON CURRENT WATER SUPPLY STATUS AND McCLURE RESERVOIR CONSTRUCTION. (ALEX PUGLISI AND ROBERT JORGENSEN)

A copy of *Production Numbers from the 1st through the 31st of August, 2015*, is incorporated herewith to these minutes as Exhibit "1."

Robert Jorgensen reviewed the McClure & Nichols Reservoirs Infrastructure Improvements Construction and Water Production Update, dated August 20, 2015, which is in the Committee packet. Please see this document for specifics of this presentation.

Councilor Ives asked if he is anticipating any delays.

Mr. Jorgenson said not at this time.

Councilor Ives said then you're still shooting for a completion date of November 27, 2015, approximately.

Mr. Jorgenson said yes.

Councilor Ives asked if there have been any significant cost overruns.

Mr. Jorgenson said no, they are still within budget as amended.

Chair Rivera thanked Mr. Jorgenson for a good job.

Alex Puglisi reviewed the Weekly Water Report dated August 16, 2015, which is in the Committee packet, and the Water Production Numbers August 1 through 31, 2015 [Exhibit "1"]. Please see these documents for specifics of this presentation.

Mr. Puglisi noted the date in the chart in the packet should be August not July.

Councilor Bushee asked if there are any chances that there will be any closures of the Buckman system.

Mr. Puglisi said he spoke with Charles on Wednesday and there are no planned closures of Buckman, noting we have significant flow coming down the Rio Grande, but he doesn't know we'll see that in September. He said most of the forecasts are for smaller storms through the month, noting that is the best type of rainfall we can get.

Councilor Ives asked, regarding Buckman and pulling water from the River, if all of the work has been done to the intake structures.

Mr. Schiavo said, "No. We still have a portion of the cofferdam set up and we have to go back in and make some repairs. We wanted to get the initial repairs, putting the screens on 3 of the 5 cells was completed at the end of April, and we wanted to get it back on line for obvious reasons, so it's been working. I think the plan is to take it down the end of October. We don't want to wait too long and let the water get too cold, but demand should drop off in next few weeks, which will give us the opportunity to go in and make those repairs.

Councilor Ives said originally the work was scheduled to be completed in May.

Mr. Schiavo said, "And we did. We got those screens in and we got things back up and running, but it didn't give us the time. I think there are still challenges with the air burst and there's still 2 of the 5 cells that don't have screens, and we want to finish that work."

Councilor Ives asked if this was due to design issues or what, and asked him to describe what went wrong.

Mr. Schiavo said, "That's a tough question to answer. I think there are a few challenges. At this point, I believe... I know the BDD Board voted to contract with an attorney to look into if there are design issues, but that's probably all I should say at this point."

7. PRESENTATION OF THE 2014 CONSUMER CONFIDENCE REPORT AND DISCUSSION OF WATER QUALITY RESULTS REPORTED WITHIN THE BROCHURE DISSEMINATED TO CUSTOMERS AND THE PUBLIC. (ALEX PUGLISI)

A copy of the *2014 Water Quality Report*, is incorporated herewith to these minutes as Exhibit "2."

Mr. Puglisi said we come to you every year with the previous years water report. He said the Consumer Confidence Report, we call the Water Quality Report, is basically the previous year's data summarized in report. We are required to do that by the EPA in the Safe Drinking Water Act, under the requirement that we keep our citizens informed of all water quality in our drinking water. He said he wanted to bring the Report to this Committee, noting it also was in the water bills and they have extra copies, as well as a copy is in the Committee packet.

Mr. Puglisi said the Report is on the website as part of the requirement for posting, it was posted throughout the City and in various City parks and recreation centers, City Hall, and there has been a news release. He said EPA likes for us to get them to the consumers prior to the July 1st deadline.

Mr. Puglisi reviewed the Report. Please see Exhibit "2," for specifics of this presentation.

Councilor Bushee said you mentioned that *"fluoride is added to water to benefit the community as recommended by public health officials,"* and he lists the ppm. She asked if there is an advantage to expanding that narrative to say that we have naturally occurring fluoride at wherever levels, and how much fluoride we add.

Mr. Puglisi that is actually a very good suggestion and he will do that.

Councilor Ives said he has seen occasional reports about water contamination through people discharging antibiotics and other drugs into the drinking water systems. He asked if we measure for that, and if we think we have a potential problem in that regard.

Mr. Puglisi said we have a pristine watershed that isn't affected by upstream discharges, so we haven't checked for that in the upper Santa Fe watershed. He said the Rio Grande was tested by NMED years ago, and they did find several pharmaceuticals, including hormones and several

different painkillers and such. He said this is a good suggestion and we should look at that. He said he would actually like to look at what comes out of our water processing plants. He said the Buckman Regional Water Treatment Facility actually has processes in place that could be used to treat that kind of contamination. If we do that testing, we should look at what we are producing, and look at the difference between the two.

Councilor Ives said he would be interested in having that done periodically, commenting it doesn't sound like it would be terribly significant to do that test and determine whether we have any issues.

Mr. Puglisi said it is somewhat expensive to run the full gamut of hormones and painkillers, and everything from aspirin to testosterone. He said there is a huge list of contaminants, and it would cost \$5,000 to \$8,000, so it's something the City can do, and he will take a look at that.

Councilor Ives asked what happened at Las Campanas.

Mr. Puglisi said they aren't completely sure. He said what we do know is when they went back and did their repeat sampling, the samples came up negative for fecal coliform contamination, after first testing positive for total coliforms, which pushed them into a repeat sample for both total coliform and fecal coliform bacteria. He said they did their blow order and sampled on Saturday and the samples came back negative, and then the second set of samples came back negative.

Mr. Puglisi continued, saying staff is wondering the same thing as Councilor Ives, who has been trying to meet with staff to discuss that. He said they went back out to put the citizens of Santa Fe at ease, since we are selling water to Santa Fe County and to Las Campanas indirectly through Santa Fe County. He said when the water left our system, we wanted to make sure that it did not test positive. He said they tested at points of entry into their system, and all our tests came back negative, and we were relieved about that. He said NMED didn't require us to do that and called us and informed us of the fact that a boil order would be issued and said, "Really, there's nothing you have to do to your system." He said they have just taken T-samples around the City and all our samples came back negative. He said FYI, we have to take 80 bacteriological samples a month, and we do 20 sites a week so we cover all quadrants of the City, and we had just gotten our results back. So we were pretty positive it wasn't coming from us.

Councilor Bushee asked where were the samples taken at Las Campanas.

Mr. Puglisi said he understands one sample was taken at a guard shack and the other sample was on Wildflower close to the entrance, not too far from the point of entry.

Councilor Bushee said they have lines for effluent in Las Campanas but not in La Tierra, and asked the potential for La Tierra.

Mr. Puglisi said they looked at the potential for cross-contamination and they don't believe they found any. Certainly, when you have positives on a regular basis, or if you run into a situation like that, you do nothing and you retest, and if it come backs negative, he would start looking at the sampling procedures and the laboratory itself. He said the County was doing its sampling as required.

8. UTILITY BILLING DIVISION UPDATE. (DIANA CATANACH)

Ms. Catanach noted her Memorandum of August 21, 2015, which is in the packet and said she has no further updates, except that we are right under 8,000 Badger meters that have been exchanged.

Councilor Bushee said she noticed a little "donut or circle" on top of the meter.

Mr. Schiavo said that is the antenna. He said they are drilling through the lids and setting the antenna. He said if you know anything about cell phones, the further you are from a cellular antenna the greater the wattage of the cell phone. The idea is to set the antenna on the surface and it decreases the wattage making for a better connection.

Councilor Bushee asked if those are indestructible, and for those who don't like antennas and those who drive over the meters because some of them are in sidewalks.

Mr. Schiavo said they are not indestructible, and if somebody drives over it, it could crack. However, from talking with staff, the units are still working down inside the meter can.

Councilor Bushee asked if there are situations where you will choose to put the meter inside the meter can, or will they all be outside. She asked if there are problems, will you put them inside.

Mr. Schiavo said yes, and they will look at them on a case by case basis. He said if it gets ground up in the first few months, they will leave it inside the meter can and get that signal that way.

Councilor Bushee said the installation was pretty impressive, noting they did all of them on her dead end street all at once.

9. REPORT ON WASTEWATER MANAGEMENT DIVISION'S FIVE YEAR CAPITAL IMPROVEMENTS PLAN. (SHANNON JONES)

Shannon Jones reviewed the information in the Committee packet. Please see this information for specifics of this presentation.

Councilor Bushee asked if she can assume there will not be any requested increases in rates in wastewater, noting there is an excess we raided a little bit ago.

Mr. Jones said at this time there is no belief in the Division that this will have an impact on rates. He said currently, the CIP is funded for the next 3 years. He said, with that being said, there are several dynamics, one having to do with an aging infrastructure. The other are constraints through the EPA and the State. He said currently we are negotiating with the EPA on our NPDS permit, and those negotiations and talks seem to going well. He is optimistic the permit will be issued and we can move forward for the next 5 years. He said there are dynamics with the Division that tie into the rate structures, but staff doesn't see that will impact the rates at this point.

Councilor Bushee asked what is he referencing when you say aging infrastructure – what is he anticipating in terms of big ticket items.

Mr. Jones said a couple of items he sees coming up is the facility master plan being executed as we speak, and looking at the beginning of next year for that to be complete with the potential for some findings. The main thing that comes to mind are the facility's anaerobic digesters. He said there are things they are keeping an eye on constantly. He said one item to do are repairs to buy us time to get the design for total rehabilitation and replacement of that process.

Councilor Bushee asked if the vehicles are up to date.

Mr. Jones said on our CIP, standard vehicles meaning less than \$50,000, would not show up on this plan. They are working with fleet constantly and within the department on evaluating those. The vehicles that you see on the plan are ones we have identified, one over \$50,000, and two that he anticipates having a 10 year life cycle. He said while things like the router and vactor trucks, even a dump truck, because of the use and how they are in the field, they anticipate a 10 year life cycle and the reason those are included in the plan.

Councilor Bushee how many digesters do we have, noting she sees an amount of \$4.5 million, and asked if that will cover any "big ticket items that might go."

Mr. Jones said we currently have two anaerobic digesters that meet the current demands of the treatment plant. He said, with that being said, as they are aging through, the ticket amount on the CIP currently is being evaluated to be covered by available cash within the division.

**10. REPORT ON SINGLE STREAM RECYCLING INCLUDING GLASS (RESIDENTIAL).
(NICK SCHIAVO)**

Mr. Schiavo said both Randall Kippenbrock and Adam Schlachter from SWMA are in the audience. He thanked them. He said Mr. Schlachter has agreed, with the permission of Mr. Kippenbrock, to help us with commercial recycling. He said one day a week Mr. Schlachter will be going to our commercial customers to get them on board with recycling.

Nick Schiavo reviewed the information in his Memorandum of September 2, 2015, with attachments, to the Public Utilities Committee, regarding Single Stream Recycling Including Glass, which is in the Committee packet. Please see this Memorandum for specifics of this presentation. recommends dual stream.

Mr. Schiavo said, "I recommend we do an automated single stream collection program for residential customers for all materials, excluding glass. With the expanded list of acceptable recycling materials, staff has seen an increase in the volume at the curbside, and those are the photos I've included. The staff on the recycling side for collections send him text messages of what they are seeing out there and we are seeing greater volumes and a greater variety of materials just in the few weeks it's been opened up through Friedman. So it's been successful. I can't stress enough, I think there's a lot of value in going with a dedicated container, single stream, automated. The value again of automated is when the City switched from manual to automated for solid waste collection, the percentage of workers compensation claims reduced drastically. So I think we would see that also in this are."

Mr. Schiavo continued, "A final thought is when I was putting this together we were lucky enough to get some rain and every time it rains, and I think the gentlemen from SWMA can attest to this, when it rains, any cardboard that isn't covered is worthless. It quickly breaks down and anything that arrives at the BuRRT facility I would imagine is redirected to the landfill at that point."

Councilor Bushee said if you're not collecting glass, it's really not single stream in her mind. She asked, if you are going to do the collection centers, if they have calculated a cost per ton for operating those.

Mr. Schiavo said he can work up those numbers. However, he is reticent to leave them unmanned. So he would want to have an individual there and set up days of the week so the public can bring the glass and get help taking it out of their cars and make sure there is no issue with other dumping, and help them see this is a facility just for glass. And if anything broke, they would be there to clean that up.

Mr. Schiavo said the nice part about going to automated collection for recycled materials is that we would need fewer staff members. He said currently we have 8 vehicles and manning it with two individuals each, so if we go with automated we would need fewer people and that would give him staff to man these other facilities he's talking about.

Councilor Bushee asked Mr. Schiavo if he would cost compare the convenience center system and the every other week glass pick up, along with other waste. She said you are aware that the City, other than the Water Department, is facing a huge deficit and personnel are our largest costs. She is still interested in understanding the inherent cost that will be built in and to try to see that rates aren't raised. She also is interested in tracking our current system which "I'm going to call single stream in the little blue bins." She said we haven't had time to give it a try to see how much more is coming. She understands he wants to go automated, and thinks she is inclined to support that. She said, "I can tell you from experience, that if you make glass less convenient by instituting convenience centers, people will start throwing it in places."

Mr. Schiavo said he can get her the numbers.

Councilor Bushee said there will be places that are not manned, and the arroyos and all the other places that people dump things regularly that are expensive to take to the landfill like cement. She thinks it's a big stretch to take it to Boulder, but if you're going to say the cost to Friedman without glass is so inexpensive, and the cost to Boulder with glass, "you've got to give me a good comparison somewhere in there, because you need to factor in glass somehow, one system or another, so we understand the *[inaudible]* if there is such a thing, on cost. Then we can really compare apples to apples as far as that Boulder system. I'm sure it's not inexpensive, I just want to really see the full picture.

Mr. Schiavo reiterated he will get those numbers for her.

Chair Rivera said you mentioned switching vehicles out completely to the automated bins. He asked if we can do that downtown as well.

Mr. Schiavo said it can be done for residential, commenting this memo is strictly residential. He said the way we handle commercial recycling would not change at all. He said the way it's done is very impressive. He said wherever we currently are picking up the blue bins, we would have no issue getting an automated vehicle down that street.

Chair Rivera said the first picture you have looked significant, and he is unsure all of that would fit into a recycle bin. He asked if residents can still leave stuff on the side, or if they will only pick up what fits in the bin.

Mr. Schiavo said it all has to go into the bin right now. He said the nice part about recycled material is it won't fester or start to smell, so the person could pace themselves and put the recycling out over a series of weeks. He said, conversely, if an individual only had 15 plastic bottles and a handful of cardboard, they won't have to take the container to the curb each week. He said the container sizes are 36, 66 and 96 gallons, and they can provide those to people as they would like.

Councilor Bushee asked, as far as the current system, would you say you are receiving a lot more contaminated waste. She said some of the photos make it look like there are asphalt shingles.

Mr. Schiavo said what he has heard from staff that it is allowable material but a lot more of it.

Councilor Bushee asked if the bins are overflowing.

Mr. Schiavo said yes, you can see what's going on in the pictures. He said this isn't the case at every stop, but they're seeing this more and more because a greater variety of materials are allowed.

Responding to Councilor Bushee, Mr. Schiavo said if we were going to do this as automated, he would caution us not to rush into pay as you throw. He wants individuals to get used to this system, and then offer incentives to make use of the larger recycle containers. He fears if we push both at the same time, some individuals may opt for the smallest containers and put a lot of items that can't be recycled into the recycling bin.

Councilor Bushee said then they would get a notice they were going to have to pay extra.

Mr. Schiavo said yes, and that would be more staff time. He said, "I'm all for pay as you throw, I would just like to give the two different programs a little bit more time in between."

Councilor Bushee said she doesn't understand that, commenting she has heard him say that several times.

Mr. Schiavo said he doesn't want to put the public into a position of trying to use the smallest container. He said if we remove glass from the allowable curbside, he wouldn't rush into giving them an automated container. He said this would give staff the opportunity to see what is there, and provide those notices. So he wants a few months between that transition to see how it is going, get feedback from SWMA and BuRRT, and then move to pay as you throw. He thinks it can be a money saver for constituents.

Councilor Bushee said she thinks the last time they had a genuine discussion about pay as you throw was 20 years ago, and thinks we may want to consider it again.

Councilor Bushee thanked Mr. Schlachter for stepping up and helping out.

CONSENT – ACTION CALENDAR DISCUSSION

A copy of a power point presentation, *Water Resources Management & Water System Improvements, On-Call Engineering Services in Support of FY 2016-2010*, is incorporated herewith to these minutes as Exhibit "3."

13. REQUEST FOR APPROVAL OF AWARD OF RFP 15/34/P AND CONTRACT TO CDM SMITH FOR ON-CALL SERVICES TO SUPPORT WATER RESOURCES AND WATER SYSTEM IMPROVEMENTS FOR THE AMOUNT OF \$625,000, EXCLUSIVE OF NMGR. (BILL SCHNEIDER)

a. REQUEST FOR APPROVAL OF A BUDGET ADJUSTMENT FOR THE AMOUNT OF \$136,016.

Committee Review: Finance Committee 09/02/15; Public Utilities Committee 09/15/15; and City Council -09/30/15.

Councilor Ives said his intention in pulling this item for discussion is to follow up on the statement that the Water Division is embarking on an integrated strategic plan to incorporate necessary upgrades and improvements to the water system. He understand there is a presentation on this matter.

William Schneider presented information from Exhibit "3," via overhead. Please see Exhibit "3," for specifics of this presentation. He said staff recommends approval of the proposed contract.

Councilor Ives said he is interested in understanding how this was going to be integrated and exactly what services CDM might be called to provide in the context of this – what exact role will CDM Smith be asked to play in integrating these various components of the strategic plan.

Mr. Schneider they have in-depth knowledge and expertise of our system. He said the contract will be facilitated would be instances, such as the SM Management plan. They would come in under a task order and work with him to review the current infrastructure data base. The BDD currently has one, there is CitiWorks where we have our GIS system. CCM Smith would make recommendations and work with him, Robert and Bill and others to develop a scope of work, and we would then go out for an RFP. He said there may be cases with this team which has an incredible amount of expertise on distribution and storage where they will work with us on doing hydraulic modeling and make recommendations on where our critical infrastructure needs are. He said right now, we really want to focus on that stress test where those high consequences of failure are.

MOTION: Councilor Ives moved, seconded by Councilor Bushee, to approve this request.

CLARIFICATION OF MOTION: Chair Rivera asked if the motion includes approval of the BAR. Councilor Ives said it does.

VOTE: The motion was approved unanimously on a voice vote.

19. **REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- ____ . A RESOLUTION SUPPORTING LEGISLATION AMENDING NMSA 1978, §72-12-24 SUPPLEMENTAL WELL AND §72-12-22, REPLACEMENT WELLS (COUNCILOR MAESTAS AND COUNCILOR IVES). (MARCOS MARTÍNEZ) Committee Review: Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council 09/09/15.**

Councilor Bushee said she only wanted to take one off, because the sponsor isn't here. She said she wants to ask Marcos Martinez a few questions. She said these Resolutions all seem to be coming from the New Mexico Municipal League with which Councilor Maestas works actively. She said some are streamlining the administrative processes and others are preserving the rights of municipalities. She wants to understand how and why this is necessary and what are the chances for success at the Legislature.

Mr. Martinez said, "I think the legislation is largely in response to certain indications we have received from the LFC regarding shifts in policy. So take the Supplemental Well Statute, No. 19, for example, the State Engineer has for decades had a practice by which they allowed municipalities and other entities to grow into their water rights. But we have seen indications, we've heard from the State Engineer that they are now reevaluating this policy. The purpose of this

particular legislation would be to state affirmatively in legislation that cities, like the City of Santa Fe, would be able to continue to perfect their water rights as other cities have previously been able to do. And we don't want to be harmed and prevented from having the same kinds of opportunities to grow into our water rights over time that other municipalities have had. And I think each of these pieces of legislation reflects different policy shifts we've seen from the State Engineer and the goal is to make sure the City isn't punished for having good conservation over the years and not basically attempting to mine the aquifer or fully develop a water right, but be a reward for having a conservative approach to water rights over time."

Mr. Martinez continued, "And what the possibility is for likelihood of success, I can't say. I think Senator Griggs, for example, introduced this legislation late in the session this year. He has been interested in reintroducing the legislation. Again, Senator Wirth has started going around the State asking for input on these various pieces of legislation. He's had one workshop in Taos already. I think he's gone to the south of the State, and he'll be coming back to Santa Fe this fall. So I think the more time we have to work with our Legislative Delegation, the greater the chance of success is for maybe one piece, or multiple pieces of this legislation to pass."

Councilor Bushee said then you are saying the current legislation that we operate under favors administrative changes at the Office of the State Engineer level that may or may not benefit municipalities. She said she has found it interesting over the years when she would work with the Office of the State Engineer and would be at the Legislature at times. She would find that most of the time the legislators followed what the Office of the State Engineer wanted. She said she understands the lessees and other things, but she has always been conflicted on the supplemental well piece. She said in the "Be it Resolved" part of the Resolution it doesn't say supplemental well, is just says groundwater."

Councilor Bushee continued, saying she presumes the standing wells we've had forever are not in danger, but we're talking about things like the one in the northwest that is always being contested by nearby residents. She asked if that is what is meant by supplemental wells, and in our definition of supplemental wells, do we have a particular policy. She recalls when we started dealing with the northwest well, it was for a drought a backup well, and now it's moving to a position she doesn't always support in terms of becoming less supplemental and more permanent. She said, "Help me understand. And then also, maybe, if you can take a gander as to whether or not we would have any success given that I've always see whatever lawyer stood up, usually the same guy and said we need this, we want this, they got it."

Mr. Martínez said, "The supplemental well statute relates to the water right itself. And so we have a permitted right for 4,865 afy in the City Well Field. The City has perfected 3,507 afy of the 4,865 afy. What the Supplemental Well Statute Amendment would propose is allowing the City to continue to develop that water right over time and not have lost that water right through

supplemental wells. The Northwest Well would be another point of diversion for that water right. But that's not the only point of diversion that would be necessary. The City is also looking at developing the aging infrastructure, as Bill mentioned, in town. This Legislation would protect the ability of the City to use that permitted right, rely on that permitted right, and grow into it as the population of Santa Fe or the demands grow over time. So I really think that's the purpose behind this legislation."

Councilor Bushee asked, "Do you consider the Northwest Well supplemental at this point, or part of our groundwater system."

Mr. Martínez said, "The Northwest Well originally was applied for in 1999 as a supplemental well to the City's well field. And for complicated reasons, the State Engineer granted the City a 10-year permit on that, contingent upon the City developing its surface water supplies, the Buckman Direct Diversion Project. The City has obviously done that in the intervening time, but the need for the Northwest well has continued to this day, so the City went back in 2011 and reapplied for the Northwest Well to be a permanent point of diversion. So, in my mind, yes it is supplemental to the City Well Field and satisfies the existing Supplemental Well Statute, and that's how I would answer that."

Councilor Bushee asked, "And so in terms of success."

Mr. Martínez said, "I think that there is a.... my understanding is that there is interest from various municipalities. I understand Las Cruces is interested in it. Various counties are also interested in these pieces of legislation. Some have more interest in various pieces than others. And so, I think, to the extent that there is a broad representation by the municipalities, there is a chance of success, especially if we can get the largest municipality in the State like Albuquerque or the authority to join in support of this. If we don't have those pieces, I think the likelihood of success is lessened."

Councilor Ives said in the Resolution it says, "*Whereas the Office of the State Engineer has indicated that it is changing its long established policy with respect to supplemental and replacement wells,*" and then also refers in the next one to, "*Long standing policy.*" His question is if these are really only policies. His understanding has been that these have been interpretations of the law that had been give effect in multiple court decisions and other adjudicated proceedings and that this really represents a radical departure by the State Engineer's Office from these long established rules and regulations which have informed the practice in relation to such wells over time, and asked if this is an accurate statement.

Mr. Martinez said, "I would agree with you. When I've spoken to attorneys from the State Engineer's Office, they refer to it as a shift in policy. So, that's been most troubling to me, because I agree that certain decisions of the Supreme Court of New Mexico have basically interpreted the existing Supplemental Well Statutes and other statutes out there, consistent with the way you described it. To hear them kind of diminish this as merely a shift in policy, I've taken issue with that."

Councilor Ives said this is the question he would ask staff to consider between now and when this hopefully comes to Council, is if we should shift this language a little bit to encompass that sense of it, as opposed to presumably confirming that it's a long-established policy as we appear to be in the recital.

Mr. Martínez said, "I think we could add certain clarifying language saying that it's not only policy, as reflected by other administrative decisions by the State Engineer, but also exists in certain case law."

Councilor Ives said he is thinking that a stronger statement on the issue might be in order.

MOTION: Councilor Ives moved, seconded by Councilor Rivera, to approve this request.

VOTE: The motion was approved on a voice vote with Councilor Ives and Chair Rivera voting in favor of the motion, no one voting against, and Councilor Bushee abstaining.

20. **REQUEST FOR APPROVAL OF RESOLUTION NO. 2015- ____ . A RESOLUTION DIRECTING STAFF TO RESEARCH OPTIONS FOR CITY DEPARTMENTS TO INITIATE COLLECTIONS OF DELINQUENT FEES AND PAYMENTS FOR SERVICES RENDERED (COUNCILOR LINDELL AND COUNCILOR IVES). (OSCAR RODRIGUEZ) Committee Review: Public Safety Committee 08/18/15 (approved); Public Works Committee 08/24/15; Finance Committee 08/31/15; Public Utilities Committee 09/02/15; and City Council 09/09/15.**

Councilor Bushee said while she applauds Councilor Lindell for enforcing the collection of existing revenue streams, she thought Councilor Calvert tackled this not so long ago and asked how this is different. She said we hired someone to do collecting. She said we get into difficulties with the Water because it's difficult to shut off peoples' water for health and safety reasons.

Councilor Ives said he recalls it coming up as an issue relative to parking tickets. The question extended from that to other areas where we might have these circumstances. He is unsure it was ever concluded. It was really to assess the situation and report back. He thinks the

difference is that Councilor Lindell's bill is saying, much more significantly let's figure out how we do this and what our options are, and then figure out what we want to do. He said we take a very soft touch in terms of trying to collect monies due to the City. He thinks this is an effort to be more serious about this. He supports this legislation and has cosponsored it. He said if there is an ordinance establishing a fine, penalty or payment, and he supports enforcement or change the Ordinance, and not do this "halfway between saying you owe us money, but we'll never come after you to collect it."

Councilor Bushee said she would ask Jesse Guillen to go back and look at the previous discussion, which she thinks extended beyond parking and we actually hired a collection agency, noting the legislation was sponsored by former Councilor Chris Calvert. She said on the other hand, the only two that are always outstanding have to do with people's capacity to pay for emergency services or delivery of essential services like water. She said we have a sliding scale approach. She wants someone to get her an answer about emergency services from the Fire Department. She wants these answers before this goes too much further. She said she has had constituents call her and ask how to deal with someone who is uninsured on an ambulance bill, she referred them to the Fire Department or who was collecting for the Fire Department. She thinks there is a policy in place for waiving fees for people who can't afford those services.

Councilor Bushee continued saying, taking a heavy hand makes sense fiscally, but is it really a reality. She asked Mr. Schiavo to answer the water piece, and ask Mr. Guillen to have the Fire Chief get back to her on the other one.

Mr. Schiavo said last year we got permission through Finance and the Governing Body to modify what we were allowed to ask for deposits, noting the deposit previously was only \$100. He said deposits have increased for both commercial and residential to a percentage of the highest month. He said we were seeing career renters that figured out that with a small deposit they could get set up, and knew when they were leaving. They would walk out and by the time we figured out they were missing, they had eaten through the \$100 deposit. He said the increased deposit amount is working well. He said we do not use a collection agency. We have an automated system reminding people their bill is past due, and we have collections staff who will work with people and put them on a payment program. He said, "We do shut-off people who are not paying, and it is a very effective way."

Councilor Bushee asked if we have the situation very often where we have to take a different approach.

Mr. Schiavo said yes. He said, without giving too much away, we work with anyone who is willing to come in. We don't want to shut people off and want them to pay for the services. He said sometimes things happen to people and we try to get them on track by offering a payment plan.

Councilor Bushee asked why we have these outstanding amounts.

Mr. Schiavo said he will ask Ms. Duran to attend and make a presentation on the status of outstanding accounts in the coming months. He said most of the outstanding accounts are well in excess of 180 days, commenting we've been doing much better with the short term stuff.

Councilor Bushee said it says there are over \$6.5 million of delinquent water bills, most of which is uncollectible and will be have to be written off.

Mr. Schiavo said a lot of this is years old, these people are gone and we will never see them again.

Councilor Bushee asked if that is that a high number.

Mr. Schiavo said it is. He said our budget is \$45 to \$46 million a year, and he agrees the uncollectible is very high.

Councilor Bushee said then you cannot go after the landlords at that point.

Mr. Schiavo said the landlords are not obligated to keep the bill in their name.

Councilor Bushee asked Mr. Schiavo if he would like to change that policy.

Mr. Schiavo we have talked about that but quite a few landlords would come out to protest that. He said right now the tenants come up with the deposit. He said if the landlord is willing to keep the bill in their name, then no deposit is required, because we can place a lien on the property if the bill isn't paid.

Councilor Bushee said, as a landlord, she knows landlords can add in utility deposits. She applauds the intent of this bill, and said she most likely will sign on when she gets more information, in particular about ambulance services.

END OF CONSENT CALENDAR DISCUSSION

DISCUSSION AND ACTION

22. **REQUEST FOR APPROVAL OF A MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF SANTA FE AND SANTA FE COUNTY REGARDING THE PROVISION OF WASTEWATER COLLECTION AND TREATMENT SERVICE FOR THE STACY COMMUNITY PROPERTY TRUST LOCATED OUTSIDE THE PRESUMPTIVE CITY LIMITS IN AGUA FRIA VILLAGE. (STAN HOLLAND) Committee Review: Finance Committee 09/02/15; Public Utilities Committee 09/15/15; and City Council 09/30/15.**

Shannon Jones said he is filling in for Stan Holland who couldn't be here today. Mr. Jones reviewed the memorandum of August 14, 2015, with attachments, which is in the Committee packet. Please see this document for specifics of this presentation.

Councilor Bushee asked what kind of public process does the County have in terms of inviting public input for something like this.

Mr. Jones said he would rather not speak on behalf of the County.

Chair Rivera asked Ms. Jenkins if she can answer that question.

Jennifer Jenkins, 130 Grant Avenue, Applicant representative, said the subdivision process through the County is not dissimilar to the City's, noting that in Agua Fria there is a requirement that there be an engagement with the Agua Fria Village directly, in terms of an ENN-type process.

Councilor Bushee asked if that has been done.

Ms. Jenkins said no, noting until the utility situation is resolved, there is no point in moving forward with further planning.

Councilor Bushee asked how water will be supplied for this development.

Ms. Jenkins said through Santa Fe County.

Councilor Bushee asked if there is already a master meter that would serve it.

Ms. Jenkins said it probably will be a new master meter. She said MOU's for utility services were approved by the City a few years ago, and language changes were made and approved by both jurisdictions, so they wanted to update the agreement.

Councilor Bushee said there were a few controversial master meters, and asked that Ms. Borchert speak to this water question. She asked if a master meter is there currently to service this development.

Claudia Borchert, Santa Fe County Utilities, said the development will be required to put in a master meter to serve those properties.

Councilor Bushee asked if they will need City approval.

Ms. Borchert said yes for the master meter, but not for the water. She said you will see the design of the master meter, but not for City approval for the water.

Mr. Schiavo said we would not bring that before this committee. He said the County is our customer, and so we would work with them on the design of the master meter, and if it meets our standards, we would allow them to build it, then accept it and serve them that way.

Councilor Bushee asked the reason wastewater is separated out.

Ms. Borchert said the wastewater ends up in the City's wastewater treatment plant, so the WRT process kicks in when the City ultimately is receiving the wastewater through this collection system and treating it. As long as somebody is a County water customer, it doesn't require the same process.

Councilor Bushee said she grateful the County isn't doing something outside our system.

Councilor Ives said paragraph 3, Metering Requirements, notes the County is going to collect information on the metering, and presumes that information will be provided to the City as well. He asked if we will be on a 30 day delay in terms of billing.

Mr. Jones said because the County is providing the water, the County will read the meters and provide us with those numbers. There is a delay due to the fact that it is in a different billing system.

Councilor Ives asked how much rigor is there in the timing under the metering requirements, commenting we should be no more than an additional billing cycle in terms of payment for the water. He is looking for assurance that will be the case.

Mr. Jones said it typically has not been 30 days, and typically we're running more on a quarterly basis for getting those numbers and bills.

Councilor Ives said if we're having to wait for 90 days for information to do billing, is the City billing the customers directly.

Mr. Jones said they are County customers and the County bills them. The County provides those numbers, not just for wastewater but in the water rights accounting quarterly.

Councilor Ives asked Mr. Schiavo if it is good that it is quarterly, or is there a reason to look at trying to change that and make it more as if it were a standard customer.

Mr. Schiavo said, given the previous item when we are worried about collections, he would like to have the data sooner so we can get the bill to Santa Fe County sooner.

Councilor Ives said he is inclined to agree, and doesn't understand the reason, if the County through its utility presumably is doing monthly billing to its customers, why it can't in turn reports to the City on that same basis. He would like for staff to explore that and reach an agreement. He said in the past we have had issues on billing with the County, and this is an opportunity to put something in place that works for both parties.

Councilor Ives said in Section 6 which provides, "*..the discharges from any properties within the Stacy Community Property Trust shall be subject to the provisions of SFCC §22.9 Industrial Pretreatment Regulations and Procedures and SFCC §22.10, Wastewater Extra Strength Surcharge Program, as they may be amended from time to time.*" He understands this water is coming back into our wastewater system. He asked what those provisions are and the impact on this agreement, noting those weren't included in the packet.

Mr. Jones said that is a boiler plate statement. He said the wastewater management has an industrial pre-treatment section that evaluates industrial users, if the development did come in. These are residential homes so it is not expected to happen, but in the event an industrial user or someone is discharging extra strength, the City retains the right to permit or assess additional charges to receive that waste.

Councilor Ives asked, once the wastewater comes back into the City's system, if that water is the City's water.

Mr. Jones said, as far as the collection of it, Santa Fe County owns the collection system identified within the development, and the City would be responsible only at the point of connection to our system. He said he would ask Mr. Martinez to elaborate on that.

Mr. Martínez said, "I think you asked a question about the water. The return flows are the City's, so yes."

Councilor Ives asked if that is by virtue of an agreement or operation of law.

Mr. Martínez said, "Partly through this agreement, and also through the Water Resources Agreement, the City and County have agreed that return flows are the City's."

Councilor Ives said he wanted to get a sense of how clear that was, in looking at reuse, that is an additional supply to the City that would be available for use.

MOTION: Councilor Ives moved, seconded by Councilor Rivera, to approve this request.

DISCUSSION: Chair Rivera asked Ms. Jenkins if this has to go back for an ENN.

Ms. Jenkins said the County does not have that specific process, but in the proposed changes, there is a requirement that they do engage directly with the neighborhood association that is the Agua Fria Traditional Community, and they will be doing that. She said there are different requirements in the new Land Development Code with respect to community engagement in advance of submitting an application, noting that is expected to be adopted by the end of the year, commenting they expect to come into the County under the new Code provisions.

Chair Rivera asked about City residents that would be affected by this.

Ms. Jenkins said under the new provisions, it would be the radius around community, and wouldn't matter whether a property owner lived in the City or the County.

Councilor Ives asked how the UEC's are handled.

Mr. Jones said the agreement provides that the County is responsible to collect the UECs at the time of permit.

Councilor Ives asked about UEC's over the course of time with the County, and asked if Aldea would be an example of a development within the County where UEC charges were made.

Mr. Jones said the last record was in 2009. He said between 2011 and 2015, wastewater management has taken the lead and was able to collect UECs on approximately 150 projects. He said we aren't designed to assess and collect those fees. He looked at FY 2014/2015, and the County added 83 homes, not including the Traditional Village of Agua Fria, and he can account for about half of the UEC's for that number of developments.

Councilor Ives said, in that case, as this comes forward to Council, he would like an update on the status of an accurate assessment and count on any past due UEC payments. He doesn't want to stand in the way of any developments, but he doesn't want a pattern or practice to be created where the agreed to payments are not made, or delayed, or for whatever reason haven't been accomplished.

Ms. Borchert said, "I would like to just clarify something about that. I think the County is current on paying all the UEC charges that we have agreements to pay. I think the question may be what UEC charges the County is responsible for, for customers the County assumed under annexation. I just want to make that distinction, because I'm not aware of a definitive amount that we are supposed to be paying for UECs that we haven't paid. Everything that I know of that we are supposed to pay, we have paid."

Councilor Ives asked Mr. Martinez if it is an issue relating to annexation to give us some input on that so we understand what the circumstance is, because it sounds like there is some confusion.

Mr. Martinez said, "Very good. I will consult with the Utility Annexation Agreement and, hopefully, incorporate that into our comments for Council."

VOTE: The motion was approved unanimously on a voice vote.

MATTERS FROM THE PUBLIC

A copy of *From 8 to 80% Recycling?* is incorporated herewith to these minutes as Exhibit "4."

Joseph Eigner, Eldorado Recycles, said he recently submitted an article to *The Santa Fe New Mexican*, which was published on Sunday, but they cut all the numbers out of the article making it hard to understand if not unintelligible. He provided the original copy with the table which was omitted [Exhibit "4"]. Mr. Eigner reviewed the information in Exhibit "4." Please see Exhibit "4," for specifics of this presentation.

MATTERS FROM THE CITY ATTORNEY

There were no matters from the City Attorney.

ITEMS FROM STAFF

There were no items from staff.

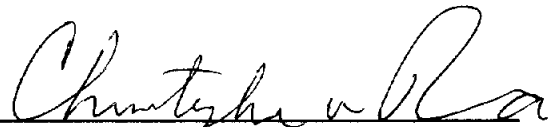
MATTERS FROM THE COMMITTEE

There were no matters from the Committee.

NEXT MEETING: WEDNESDAY, OCTOBER 7, 2015.

ADJOURN

There was no further business to come before the Committee, and the meeting was adjourned at approximately 6:50 p. m.


Christopher M. Rivera, Chair


Melessia Helberg, Stenographer

PRODUCTION NUMBERS FROM THE 1ST THRU THE 31ST OF AUGUST-2015

CRWTP PLANT

161.1030

48.98% or 49% of Total Production

CITY WELLS

16.837 MG

51.67 AC-FT

BUCKMAN WELLS

20.603 MG

63.23 AC-FT

Total SOS PRODUCTION

198.57 MG

60.40% of Total Production

CANYON INFLOW

137.054 MG

212.023 CFS

AVERAGE INFLOW

4.42 MGD - AVERAGE FOR 31 DAYS

Current= 1.94 MGD

NICHOLS STORAGE

22.70 LEVEL 85 MG =39.3% (as of 09/01/15)

RAIN

2.48" for August

BDD PRODUCTION

4A 83.674 MG

5A 46.650 MG

Total BDD 130.324 MG

39.60% of Total Production

Total ALL SOURCES = 328.9 MG DAILY AVE DEMAND = 328.9/31 days= 10.61 MGD

IRRIGATION

(STREAMFLOW CHART INFO.)

BELOW NICHOLS GAGE

20.457 MG

31.647 CFS

FILTER PLANT

2.19 MG

3.4 CFS

ACEQUIA MADRE

5.48 MG

8.48 CFS

Exhibit 110



2014 Water Quality Report

City of Santa Fe Water Division P.O. Box 509, Santa Fe, NM 87504

October 2014

The City of Santa Fe's Water Division (the City) is pleased to provide the 2014 Water Quality Report. A safe and dependable water supply is vital to our community and is the primary mission of the City. This report is provided annually and contains information on the quality of water obtained throughout the calendar year. In 2014, the City's drinking water met all U.S. Environmental Protection Agency (EPA) and State drinking water quality limits. The report contains additional details about where your water comes from, what it contains, and how it compares to standards set by federal and state regulatory agencies. It also provides educational information on contaminants which may be a concern.

Sources of Supply

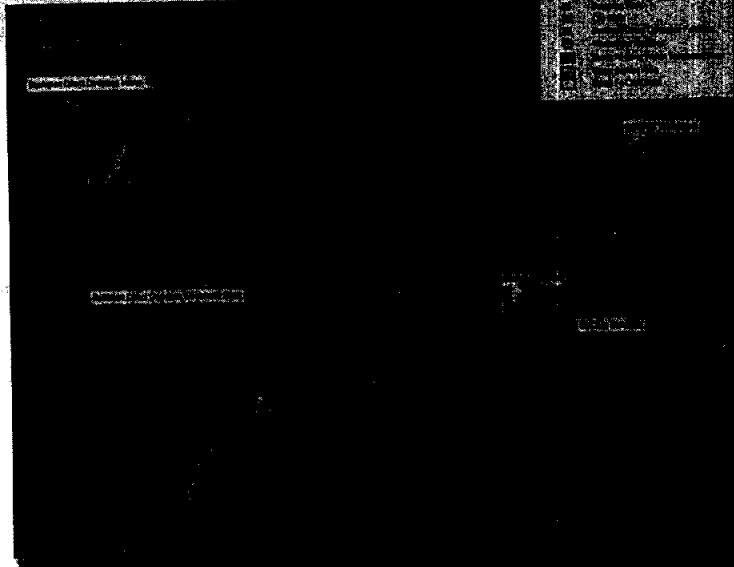
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In 2011, the Buckman Direct Diversion (BDD) Project surface water supply was successfully integrated into the municipal distribution system and operated in conjunction with the City's pre-existing sources of supply throughout 2014. The surface water treated at the BRWTP is taken directly from the Rio Grande. BDD not only improves sustainability for the area but also increases the City's resilience under drought conditions, replacing current groundwater pumping that cannot be sustained, and making the City's wells available as drought and emergency reserves rather than sources used to meet daily water demands.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Map of



Source Water and Availability

The New Mexico Environment Department (NMED) completed a Source Water Assessment for the City of Santa Fe. This assessment includes a delineation of protection areas and an inventory of potential areas of concern. NMED conducted an Analysis of the City of Santa Fe's water utility is well maintained and drinking water are generally protected from contamination based on available information. The susceptibility analysis is "moderately low". A copy of the report is available by contacting NMED at 505-476-8000.

City ordinances adopted in 2006 implementing recommendations in the Source Water Assessment, "Safe Drinking Water and Source Water Protection," "Stormwater Illicit Discharge Control," and "Additional controls and protections for surface water supplies." In addition, a Stormwater Program was implemented and discharged to the Santa Fe River. The report illegal dumping in stormwater.

In Espanol

Este informe contiene información sobre la calidad del agua en Santa Fe. Si usted necesita más información o desea saber más sobre los riesgos de contaminación, llame al teléfono 505-955-4296.

Contaminants in Water?



Drinking water (both tap and bottled) can include rivers, streams, and reservoirs. The City's water travels over the ground surface or through the soil. As it travels, naturally occurring and man-made substances can enter the water. Contaminants can be inorganic or organic and include:

Inorganic contaminants, such as nitrate, may come from sewage treatment plants, fertilizers, and cultural/livestock operations, and

Organic contaminants, such as salts and metals can be introduced to the water supply from urban storm-water runoff, industrial and wastewater discharges, oil and gas production, and mining.

Radionuclides may come from a variety of sources, including natural sources, urban storm-water runoff, and residential

uses. **Volatile organic compounds**, including synthetic and volatile organic compounds, are byproducts of industrial processes and can also come from gas stations, urban storm-water runoff, and

Pesticides, which can be naturally occurring, synthetic, or man-made, can be introduced to the water supply by atmospheric deposition, agricultural use, or be the result of oil and gas production activities.

Even though our tap water is safe to drink, EPA prevents the amount of certain contaminants in public water systems. Food and drug administration (FDA) regulations establish limits for bottled water, which must provide the same level of protection.

Nitrates

City of Santa Fe drinking water meets the federal drinking water standard of 10 ppm for nitrates (10 mg/L as N). Nitrates have been detected in some of the City Wells above 5 ppm. Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.



Arsenic

The drinking water standard for arsenic is 0.05 mg/L. The City's drinking water continued to meet this standard throughout 2014. Arsenic occurs naturally in the earth's crust. When these arsenic-containing rocks, minerals, and soil erode, they release arsenic into ground water. While our drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. The EPA standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

In cooperation with Los Alamos National Laboratory (LANL) and the New Mexico Environment Department, the City currently monitors Buckman Wells 1, 6 and 8 for LANL derived contamination on a quarterly basis. Samples are analyzed for radionuclides, general inorganic chemicals, metals, high explosives and organics. This repeat sampling has occurred during the years 2001 – 2014 and has indicated that Laboratory-derived radionuclides are not present in the Buckman Wells 1, 2, 6 and 8. The results do indicate detectable levels of radionuclides associated with natural sources. These wells are part of the 13 wells that make-up the Buckman Wellfield. When these wells are used, water from these wells is delivered to the Buckman Tank prior to distribution into the system.

Cryptosporidium

Cryptosporidium is a protozoan parasite that is common in surface waters. The oocyst is the transmission stage of the organism. Cryptosporidium is introduced into our source waters via wild animal populations. Although the organism is readily removed by the conventional treatment process utilized at the Canyon Road WTP, the oocyst is resistant to chemical disinfectants like chlorine and the primary reason to determine if additional treatment is required. Ingestion of Cryptosporidium may cause cryptosporidiosis, an abdominal infection.

In April 2007 the City began a two-year study to determine the average Cryptosporidium concentration in source water entering the Canyon Road WTP. The sampling portion of the study was completed in March of 2009. The study is part of the requirements contained in the 2006 USEPA Long-Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR). Cryptosporidium was detected in a single untreated sample in each of the following months: December of 2007, September 2008 and October 2008. The LT2ESWTR requires additional treatment when the largest mean concentration from the study for a consecutive 12-month period is ≥ 0.018 oocysts/L. The maximum from the study at the Canyon Road WTP was below this limit (0.018 oocysts/L), so no additional treatment is required. The City shall perform this test every year starting in Fall 2015.

Any new water system must meet the LT2ESWTR requirements for monitoring Cryptosporidium. The City of Santa Fe is required to monitor Cryptosporidium in its source water every year starting in Fall 2015.

The attached "Voluntary Monitoring" Table lists results from voluntary monitoring at entry points into the distribution system associated with BRWTP, City Wells, and the Canyon Road WTP. Since these samples are collected at the point of entry of water into the City's distribution system, the reported concentrations of contaminants may be further diluted in the distribution system through mixing with water from other City sources.

EPA has established secondary maximum contaminant levels (SMCL) for certain contaminants. Secondary Standards are non-enforceable standards that serve as guidelines to assist public water systems in managing their drinking water. The presence of these contaminants typically results from the erosion of natural deposits. Aluminum and manganese containing materials are used as treatment aids in the water treatment process. Other constituents without SMCLs were monitored in 2014 and are reported in the "Voluntary Monitoring" Table (these have an "NA" in SMCL column).

Microbial and Disinfectant Byproducts Rule

The Microbial and Disinfection Byproducts Rules (MDBPs) is a set of interrelated regulations that address risks from microbial pathogens and disinfectants/ disinfection byproducts (DBPs). The rule focuses on public health protection by limiting exposure to DBPs (known carcinogens), specifically total trihalomethanes (TTHM) and five haloacetic acids (HAA5), which can form in water through disinfectants used to control microbial pathogens.

The City of Santa Fe system has eight compliance sampling locations for TTHM and HAA5. Each location is sampled once per quarter. The average of analytical results for DBPs at a given location during the previous four quarterly samples is called the locaitonal running annual average (LRAA). The LRAA at each location must be below the MCL (0.060 mg/L for HAA5 and 0.080 mg/L for TTHM). Results shown in the Table below indicate that the individual quarterly values during 2014 ranged from 0 to 0.026 mg/L for HAA5 and 0 to 0.044 mg/L for TTHM. The highest LRAA was 0.019 mg/L for HAA5 and 0.029 mg/L for TTHM, indicating that the system is in compliance.

	MCL†	MCLG†	Sample Year	Highest LRAA†	Range 2013 †		Typical Source
Haloacetic Acids (HAA5s)	.060	NA	2014	.019	0	0.026	By-product of drinking water chlorination
Total Trihalo-methane (TTHMs)	.080	NA	2013	.029	0	0.044	By-product of drinking water chlorination

† = units are ppm (mg/L) ‡ = individual samples at all locations

Asbestos

The most recent sample for asbestos in the distribution system was collected on December 16, 2013. No asbestos fibers were detected in the sample collected (detection limit 0.2 million fibers per liter or MFL). Some people who drink water containing asbestos in excess of the MCL over many years may have an increased risk of developing benign intestinal polyps.

Contaminant	MCLG	MCL	Result	Sample Year	Violation	Typical Source
Asbestos	7	7	ND (<0.2)	2013	No	Decay of asbestos cement in water mains; erosion of natural deposits

units are MFL (million fibers per liter) for fibers > 10 μ m

[illegible]

Lead and Copper Rule

Tests for lead and copper are collected once every three years from customer taps located throughout the city. The most recent round of lead and copper testing took place in August 2012. The next survey will be performed in August 2015. Lead and copper in drinking water can cause serious health problems, especially for pregnant women and young children. Lead can also cause problems with materials and components associated with service lines and home plumbing.

Inorganic Contaminants	MCLG	AL**	City Water Levels (90th percentile)	# of Sample <AL	Sample Date	Exceeds AL	Notes
Copper (ppm)	1.3	1.3	0.70	31	August 2012	No	Erosion of natural deposits; Leaching of copper from wood preservatives; Corrosion of household plumbing systems
Lead (ppb)	0	15	5.8	31	August 2012	No	Corrosion of household plumbing systems; Erosion of natural deposits

* Results of monitoring are used to determine the concentration at the 90th percentile (if test results are lower and 10% higher). Based on the number of samples analyzed in 2012 the 90th percentile is the 28th of 31 samples (ranked low to high).

** AL = Action Level

Consent

2014 City of Santa Fe Water Quality Table

The table on the following page lists contaminants which:

1. Have associated primary Maximum Contaminant Levels (MCLs) that are regulated and
2. Were detected in testing conducted by the City and New Mexico Environment Department

The table includes only those constituents found above detection limits during 2014 sampling or during previous years if not analyzed during 2014. The EPA requires monitoring for certain contaminants because their concentrations are not expected to vary significantly from year to year. The City is required to monitor for these contaminants and the vast majority of these contaminants were not found above detection limits. Contaminants found above detection limits may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and their health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline at 1-800-426-8020 or by visiting the EPA's website at www.epa.gov/safewater.

Please view separate 2014 Water Quality Table.

Monta Je 2014

Related Compliance

Organic Contaminants

1,1,1-Trichloroethane	ppb	200	200	0.1 (ND - 0.1)	2014	ND	2014	ND	2014	ND
1,1-Dichloroethylene	ppb	7	7	0.21 (ND - 0.21)	2014	ND	2014	ND	2014	ND
1,2-Dichloroethane	ppb	5	zero	0.20 (ND - 0.20)	2014	ND	2014	ND	2014	ND
Ethylene Dibromide	ppb	0.05	zero	0.007 (ND - 0.007)	2014	ND	2014	ND	2014	ND
Tetrachloroethylene	ppb	5	zero	0.28 (ND - 0.28)	2014	ND	2014	ND	2014	ND

Inorganic Contaminants

Arsenic	ppb	10	0	4.0 (1.0 - 4.0)	2014	2	2014	ND	2014	ND
Barium	ppm	2	2	0.8 (0.1 - 0.8)	2014	ND	2014	ND	2014	0.070 (0.044 - 0.070)
Bromate	ppb	10	zero	NA	NA	NA	NA	NA	NA	3.7 (1.0 - 3.7)
Chromium	ppb	100	100	1 (ND - 1)	2014	ND	2014	ND	2014	ND
Fluoride	ppm	4	4	0.16 (0.14 - 0.16)	2014	0.4	2014	0.12	2014	0.31 (0.24 - 0.31)
Selenium	ppb	50	50	ND	2014	ND	2014	ND	2014	1.1 (ND - 1.1)
Nitrate [as N]	ppm	10	10	7.54 (3.00 - 7.54)	2014	0.4	2014	ND	2014	0.16 (0.15 - 0.16)

Radioactive Contaminants

Gross Alpha Emitters	pCi/L	15	0	4.4 (1.9 - 4.4)	2014	4.2	2014	ND	2014	1.2 (ND - 1.2)
Gross Beta/Photon Emitters	pCi/L	50 ^a	NA	1.5 (ND - 1.5)	2014	2.3	2014	1.4	2014	2.45 (1.88 - 2.45)
Radium 226/228	pCi/L	5	0	0.77 (0.10 - 0.77)	2014	0.07	2014	0.18	2014	0.308 (0.100 - 0.308)
Uranium	ppb	30	0	2.0 (ND - 2.0)	2014	2.0	2014	ND	2014	1.0 (ND - 1.0)

Surface Water Contaminants

Turbidity ^c (highest single measurement)	NTU	TT = 1.0	0	NA	NA	NA	NA	0.52	2014	0.99
Turbidity ^c (lowest monthly % meeting limits)	NTU	TT = % < 0.3 NTU	0	NA	NA	NA	NA	99.4%	2014	99.4%
Total Organic Carbon (TOC)	NA	TT (35%-45% Removal)	NA	NA	NA	NA	NA	47% to 62% removal ^b	2014	NA

Quality Table Monitoring

2014	No	Discharge from metal degreasing sites and other factories
2014	No	Discharge from industrial chemical factories
2014	No	Discharge from industrial chemical factories
2014	No	Discharge from petroleum refineries
2014	No	Discharge from factories and dry cleaners

2014	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
2014	No	Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits
2014	No	Byproduct of drinking water disinfection
2014	No	Discharge from steel and pulp mills; erosion of natural deposits
2014	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
2014	No	Discharge from steel/metals factories; Discharge from plastic and fertilizer factories
2014	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion from natural deposits

2014	No	Erosion of natural deposits
2014	No	Decay of natural and man-made deposits.
2014	No	Erosion of natural deposits
2014	No	Erosion of natural deposits;

2014	No	Soil Runoff
2014	No	Soil Runoff
NA	No	Naturally present in the environment

Note:

- EPA considers 50 pCi/L to be the level of concern for beta particles.
- Alternative compliance criteria used to meet TOC removal requirements
- Turbidity is a measure of the cloudiness of water. We monitor it because it is a good indicator of the effectiveness of our filtration system.
- City wellfield: Alto, Agua Fria, Ferguson, Osage, Santa Fe, St. Mikes & Torreon.
- Buckman Wells 1-13 and Northwest Well.

Key to Units, Terms and Abbreviations

NA: Not Applicable.

ND: Not Detected.

NTU: Nephelometric Turbidity Units.

ppm: parts per million, or milligrams per liter (mg/L).

ppb: parts per billion, or micrograms per liter (µg/L).

pCi/L: picocuries per liter (a measure of radioactivity).

µg/L: Number of micrograms of substance per liter of water.

mg/L: Number of milligrams of substance per liter of water.

µmhos/cm: Micromhos per centimeter or µS/cm (microsiemens per centimeter) – a measure of electrical conductivity in water due to the presence of dissolved inorganic ions (e.g., calcium, chloride, sodium, etc.).

Pt-Co units: Platinum-Cobalt color units – a measure of color also called the "Hazen Scale" or "APHA color", as defined in ASTM International Standard D1209

(Range): The range represents the highest and low values. Range values are not provided if only one sample was taken during the range period.

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLGs as feasible using the best available treatment technology.

LRAA: Locational running annual average - the average of analytical results for samples at a particular monitoring location during the previous four calendar quarters. LRAA at each sampling location must be below the MCL (0.060 mg/L for Total Haloacetic Acids and 0.080 mg/L for Total Trihalomethanes)

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

TT: Treatment Technique: a required process intended to reduce the level of a contaminant in drinking water.

AL: Action level: The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements, which a water system must follow.

Secondary MCL (SMCL): Non-mandatory water quality standards for certain contaminants established as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color and odor. These contaminants are not considered to present a risk to human health at the SMCL.



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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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The New Mexico Environment Department (NMED) has completed a Source Water Assessment for the City of Farmington, New Mexico. This assessment includes a delineation of the protection areas and an inventory of potential threats to the areas of concern. NMED conducted a Source Water Quality Analysis of the City of Santa Fe. The City of Santa Fe's water utility is well maintained and the water supply and drinking water are generally protected from sources of contamination based on the best available information. The susceptibility rating for the City of Santa Fe is "moderately low." A copy of the assessment is available by contacting NMED at 505-476-3633.

City ordinances adopted in 2015 incorporated recommendations in the Source Water Protection Plan for "Safe Drinking Water and Source Protection." The "Stormwater Illicit Discharge Control" ordinance requires additional controls and protection for groundwater and surface water supplies. In 2016, the City adopted a Stormwater Program with the goal of preventing discharges to the Santa Barbara River. The City also reports illegal dumpsites in stormwater catchment

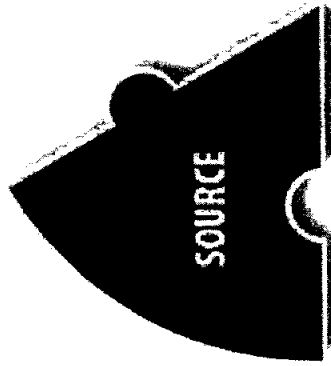
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On-Call Engineering Services in Support of FY2016-2020
Water Resources Management &
Water System Improvements

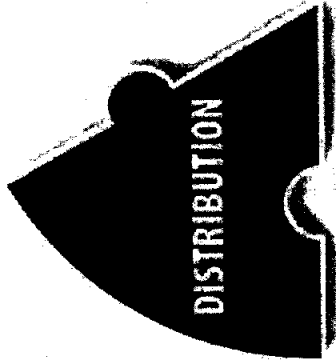


Exhibit '3'

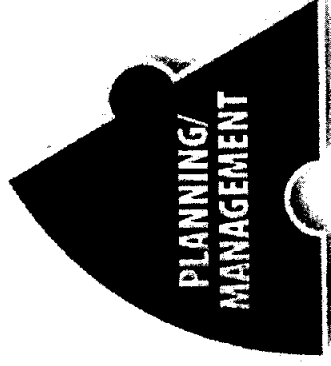
Water Division FY15-16 CIP Activities



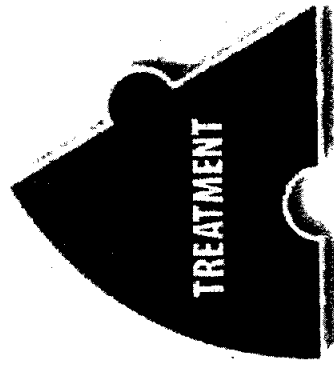
- ✓ Reservoir Dam Intakes
- ✓ Nichols Outlet Pipe
- ✓ City Well Field Optimization
- ✓ Canada Well
- ✓ Northwest Well Compliance



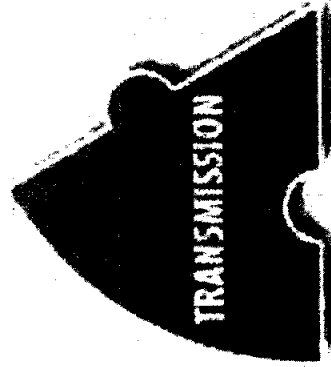
- ✓ Advanced Metering
- ✓ Priority Line Replacement
- ✓ Billing Management
- ✓ Water Loss Audit



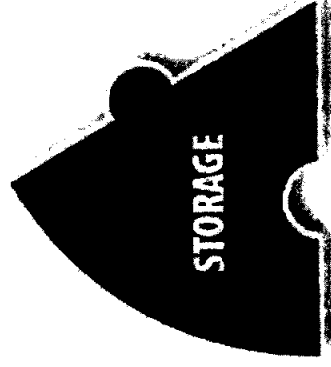
- ✓ Asset Management Plan
- ✓ Groundwater Model
- ✓ Santa Fe Return Flow Plan
- ✓ Long Range Water Supply Plan
- ✓ Reclaimed Water Feasibility



- ✓ Arsenic Management
- ✓ WWTP Master Plan <-> RW FS

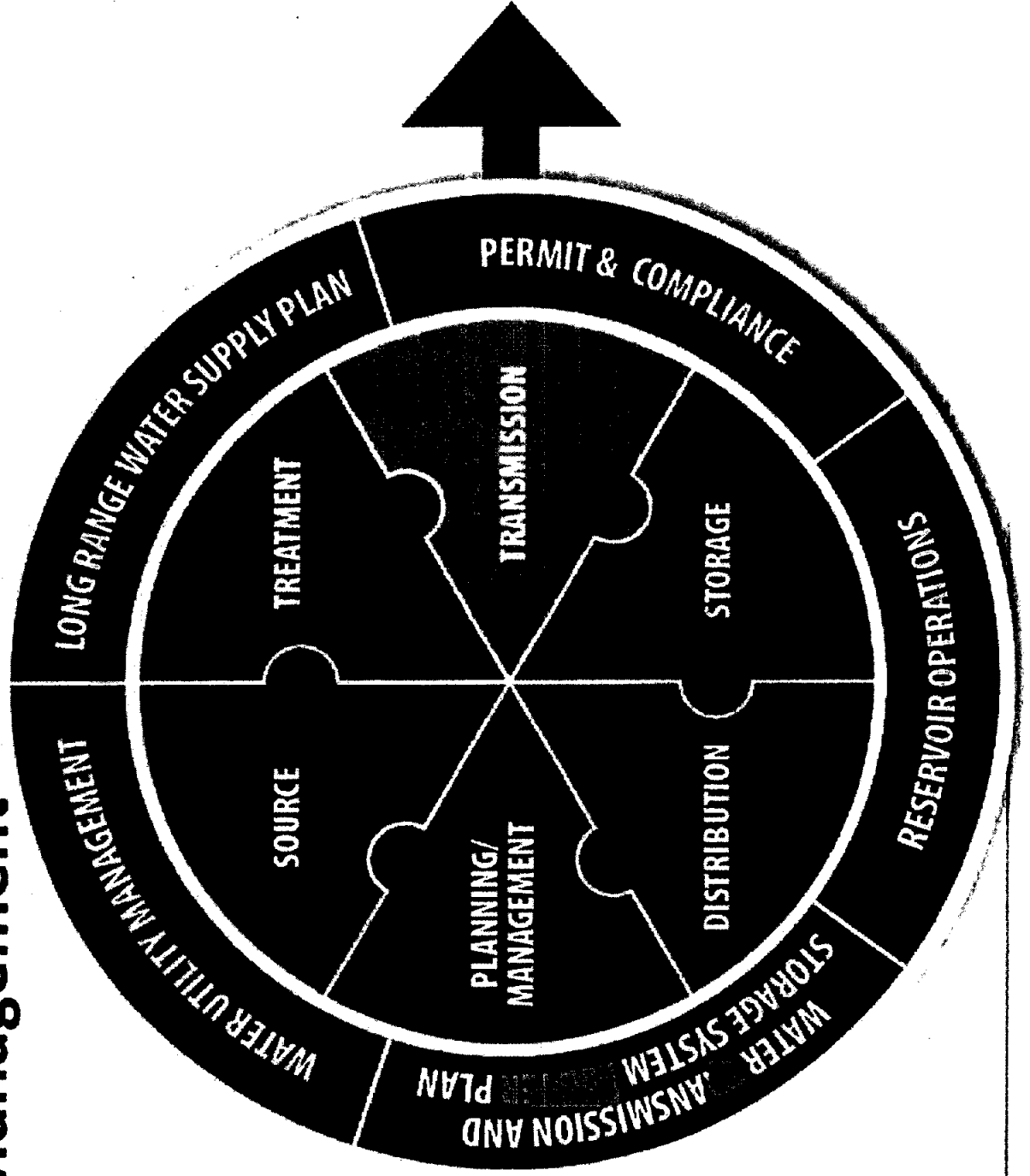


- ✓ Buckman Dual Pipeline
- ✓ Booster Station Upgrades

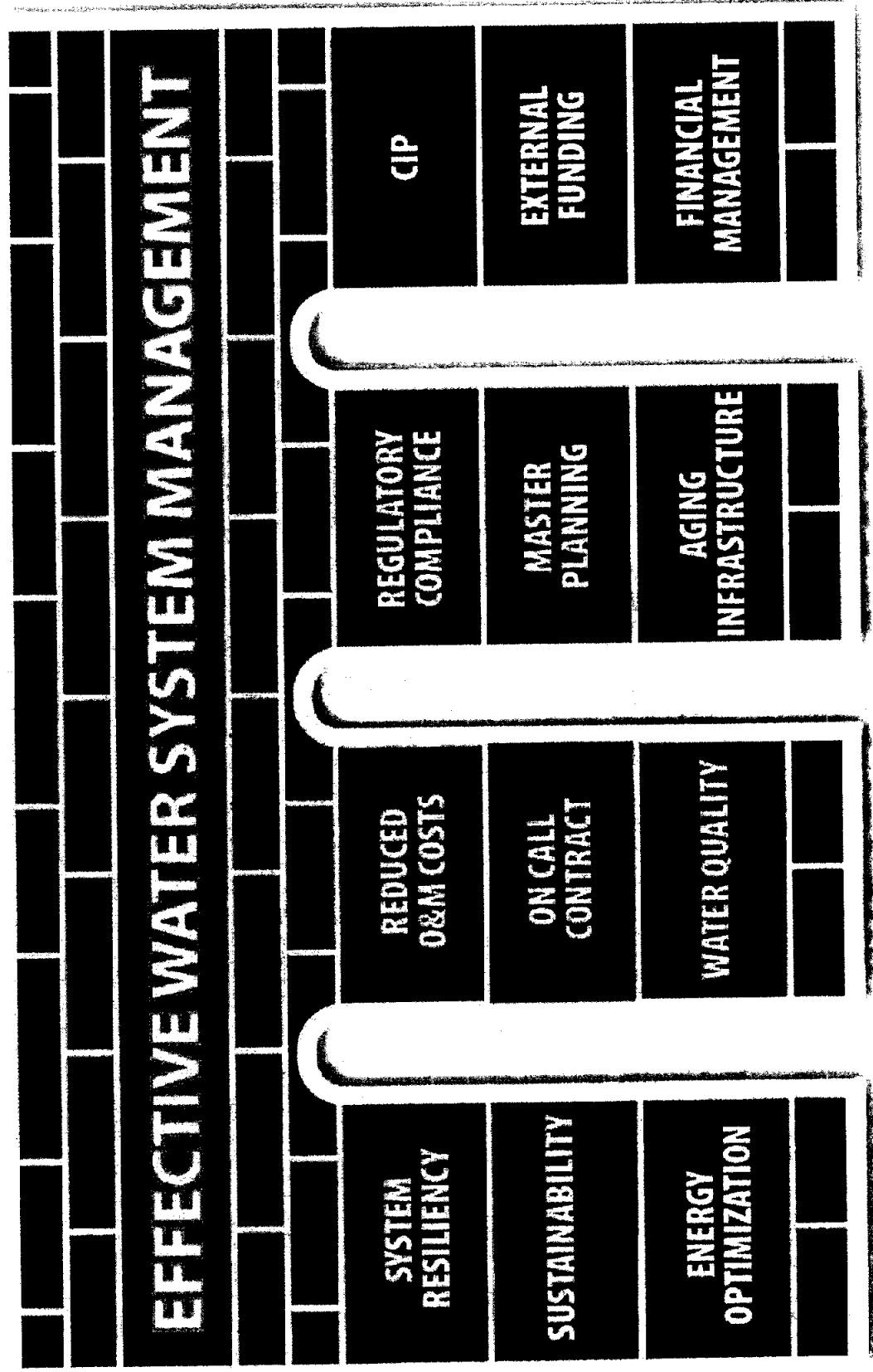


- ✓ Hospital Tank Replacement
- ✓ Buckman Raw Water Tank
- ✓ Reservoir Operations

Strategic Planning for effective CIP Management



Critical Engineering Factors



FY15-16 CIP utilizing On Call Engineering Services

Planning

- Update Water Transmission and Storage System Master Plan (2009)
- Update Long Range Water Supply Plan (2008)
- City and Buckman Well Field Optimization
- Asset Management

Infrastructure Improvements

- Buckman Dual Pipeline PER
- 4MG BDD water storage PER
- Canada Well Design
- Nichols Outlet Pipe Engineering Investigation/Design

➤ *Improved efficiency in our capital expenditure process*



On-Call Contractor Selection (RFP '15-41/P)

Unanimously
Ranked Highest

☒ Required

Expertise

☒ Depth of Local

Resources

☒ Institutional

Knowledge

PROPOSAL SCORE PRICE			
CDM	3495	M	
HDR	3033	H	
NCS	3135	L	

Selected Team: CDM Smith, Bohannon Huston, J. Shomaker

Proposed Capital Improvement Projects (CIP) for 2015-16 to be completed utilizing on-call engineering services (RFP #14-0116)

Category	Task Description	Cost Estimate	Project Manager
1 Water Transmission and Storage System Master Plan	Conduct engineering analysis of hydraulic system to improve reliability, energy efficiency, system resiliency, and water quality. (Annexation modifications)		
a City Well Field Optimization	Pressure issues, storage optimization, energy reduction, well replacement	\$85,000	Schneider
b Buckman Well Field Optimization	Critical need for dual pipeline, arsenic, booster pump upgrades, storage/blending, well rehab.	\$60,000	Jorgensen
c System-wide Transmission-Distribution-Storage-Valve Optimization	Boundary and pressure zone evaluation, valves and storage, hydraulic modeling, PERS	\$50,000	Jorgensen
2 Long Range Water Supply Plan			
a 40 Year Supply-Demand Transient Analysis	Analyze time-series supply-demand conditions to support CIP. Determine when and how much water and identify sources of future supply	\$65,000	Schneider
b Canada Well Design/Bid (New Production Well)	Deep replacement well for Agua Fria Well (circa 1951). Develop well design, bid packet, oversee installation and test well performance	\$95,000	Carpenter
3 Reservoir Operations			
a Infrastructure Improvements	Oxidant Feed Building (Nichols Outlet), Sediment Feed for RWS, CRTWP Valve	\$50,000	Jorgensen
b Outlet and Flow Measures	Reservoir Outlet Conduit, Santa Fe River Weirs (Nichols, McClure, Living River and Flume)	\$35,000	Hook
4 Permit, Compliance and Litigation			
a OSE- Groundwater	BWF monitoring plan, NW Well monitoring plan	\$40,000	Schneider
b USACE/NMED: Upper Santa Fe River Between McClure and Nichols)	Channel Survey, cross sections and longitudinal profiles	\$35,000	Hook
c OSE/NMED: Lower Santa Fe River (La Cienega)	Return Flow Plan, Groundwater Model Data Gaps, Reclaimed Water Data Gaps, BWF permit	\$65,000	Erdmann
5 Water Utility Management			
a Asset Management Data Gaps/Bid	Data Gaps evaluation on water loss, financial accounting, infrastructure management to develop scope of work for RFP.	\$45,000	Huey
6 Total Contract Expenditure FY15-16	Total funding to more effectively and quickly implement CIP	\$625,000	Schiavo

From 8% to 80% Recycling?

Both the City of Santa Fe and Santa Fe County are faced with the evidence of a consultant's study that our area's recycling rate is at an abysmal 8%. A number of U.S. cities and counties now are at or near levels of 80%. Can we, and should we, try to go from 8% to 80%?

We know that replacing our Caja del Rio landfill will be incredibly costly, and difficult if not impossible to achieve. Extending its useful life should be reason enough to make the 80% goal one worth working toward. Additionally there are benefits in increased resource conservation and the reduction in landfill methane (a greenhouse gas) emissions.

Let's look at what Americans (and Santa Feans) throw away (EPA, 2013, data rounded):

Items	Category	%
Paper, plastics, metals	Recyclables	49
Food waste, yard clippings	Compostables	28
Wood, rubber, leather, textiles, other	Trash	18
Glass bottles, jars, jugs	Glass	5

Clearly, focusing on the first two categories is the only way to get close to the 80% goal.

The City currently picks up trash once a week with automated trucks, and collects recyclables manually on the same day (one bin for mixed recyclables and one for glass). However, by this time next year the City hopes to replace manual with automated collection of the mixed recyclables using large carts, collected biweekly. Glass must be excluded from these carts. Under one proposal, the City would remove glass from the curbside program and set up glass drop-off centers instead. A second scenario keeps glass at the curb, but would alternate the collection with mixed recyclables, one week mixed recycling, alternate week glass.

I favor the proposal for glass drop-off sites. Why? First, discontinuing manual glass collection increases worker safety and can reduce worker's compensation and insurance claims. Second, glass is only 4.5% of the waste stream. It cannot be mixed with the other recyclables because it contaminates them. With a good public education program up to half of the glass could be captured at conveniently-located drop-off sites open 24/7.

Third, and most importantly, to achieve 80% landfill diversion we will have to consider automatic curbside collection of compostables. This is how the cities and counties now at 80% diversion have reached this goal. They have added a third cart for food and yard waste. Because compostables rot, such carts must be picked up weekly. But with the compostables now separated from the trash, trash and recyclables need only be collected every other week. The result? Every week there would be two automated collections: one for compostables, one for either recyclables or trash. Higher cost than the current system? Yes, but not as much as if curbside glass collection were also continued.

With 80% recycling/diversion instead of 8% our landfill's life will be extended, and methane gas emissions eliminated or reduced. A better scenario than continuing curbside collection of glass, the smallest and most inert part of the waste stream.

Exhibit "4"