



# Agenda

## **PUBLIC UTILITIES COMMITTEE MEETING**

**WEDNESDAY, DECEMBER 6, 2017**

**City Hall – City Council Chambers**

**200 Lincoln**

**Regular Meeting – 5:00p.m.**

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE NOVEMBER 1, 2017 PUC MEETING

### **INFORMATIONAL ITEMS**

6. Update on Water System's Level of Fire Protection. (Lee Gagnon)
7. Status Update on Water Reuse Strategy, Planning and Implementation. (Bill Schneider)

### **CONSENT – ACTION CALENDAR**

8. Update on Current Water Supply Status. (Alex Puglisi)
9. Water Conservation Program Scoreboard Update for November 2017. (Christine Chavez)
10. Request for approval of the 2016 Annual Water Report. (Arianna Espinoza and Andrew Erdmann)
11. Request for approval of Award of RFP # '18/05/B and a Professional Service Agreement with Sub Surface Contracting for the Priority Line Replacement Project for the amount of \$1,083,125.00 inclusive of NMGR. (Lee Gagnon)

Finance Committee – 12/4/2017

Public Utilities Committee – 12/6/2017

City Council – 12/13/2017

12. Request for approval of Amendment No. 2 to the PSA with Golder Associates, Inc. for Additional Regular Methane Monitoring at the Paseo de Vista Closed Landfill for the amount of \$23,100.00 exclusive of NMGRT. (Shirlene Sitton)

Finance Committee – 12/4/2017

Public Utilities Committee – 12/6/2017

City Council – 12/13/2017

13. Request for approval of Amendment No. 1 to the PSA with Molzen Corbin for the BDD 4 MG Finished Water Storage Tank for \$78,467.47 inclusive of NMGRT. (Kristin Johansen)

Finance Committee – 12/4/2017

Public Utilities Committee – 12/6/2017

City Council – 12/13/2017

14. Request for approval of an Exempt Procurement Contract with Andritz Separation, Inc. for the CRWTP Centrifuge & Conveyor Control System Upgrade Project for the amount of \$138,286.00 exclusive of NMGRT. (Alex Gamino and Alex Puglisi)

Public Utilities Committee – 12/6/2017

Finance Committee – 1/2/2018

City Council – 1/10/2018

15. Request for approval of Ratification of Contract 2013-027 914-230 with TLC Plumbing in the amount of \$57,026.53, procured through Cooperative Educational Services (CES)/TLC Company, Inc. dba TLC Plumbing and Utility utilizing Contract # 2013-027 941-230TLC for the emergency repair of a natural gas leak at the Wastewater Management Division. (Luis Orozco)

- a. Budget Adjustment Request for the amount of \$57,026.53 to increase BU/LI 52452.520100 from fund 5450.

Public Utilities Committee – 12/6/2017

Finance Committee – 1/2/2018

City Council – 1/10/2018

16. Request for approval of Change Order No. 1 to the contract with RMCI, Inc. for the Buckman Parallel Pipeline Project for the total amount of \$121,893.42 inclusive of NMGRT. (Kristin Johansen)

Public Utilities Committee – 12/6/2017

Finance 1/2/2018

City Council – 1/10/2018

17. Request for approval of Award of Bid '18/01/P and contract to Clean Energy for the Compressed Natural Gas (CNG) Fueling Facility Design, Build, Operation and Maintenance for the amount of \$3,740,186.88 exclusive of NMGRT plus an amount based on fuel usage. (Keith Wilson and Shirlene Sitton)

Public Utilities Committee – 12/6/2017

Finance Committee – 1/2/2018

City Council – 1/10/2018

18. Request for approval of Resolution No. 2018-\_\_\_\_\_. A resolution establishing City of Santa Fe Legislative Priorities for consideration by the New Mexico State Legislature during the 53<sup>rd</sup> Legislature – State of New Mexico – Second Session, 2018. (Mayor Gonzales and Councilors Lindell, Dominguez, Harris, Ives, Maestas, Rivera, Trujillo and Villarreal) (Brian Snyder)

Public Works Committee (no recommendation) – 11/6/2017

Finance Committee – (approved as amended) - 11/13/2017

Public Utilities Committee – 12/6/2017

City Council – 12/13/2017

19. Request for approval of Bill No. 2018-\_\_\_\_\_. An ordinance amending Section 11-4 to increase the contract approval and budget adjustment amount the City Manager is authorized to approve; adopting the State of New Mexico Procurement Code as the purchasing manual for the City of Santa Fe; and adopting additional exemptions from the Procurement Code. (Councilor Lindell) (Marcos Martinez)

Public Utilities Committee – 12/6/2017

Public Works Committee – 12/11/2017

City Council (Request to Publish) – 12/13/2017

Finance Committee – 1/2/2018

City Council (Public Hearing) – 1/10/2018

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

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

#### **MATTERS FROM STAFF**

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

**NEXT MEETING: Wednesday, January 3, 2018 @ 5:00pm**

#### **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.**

Public Utilities Meeting Index  
December 6, 2017

Item		Page
1. Call to Order	Councilor Chris Rivera, Chair of the Public Utilities Committee called the meeting to order at 5:05 p.m. at the Santa Fe Community Convention Center.	1
2. Roll Call	A quorum was established with roll call.	1
3. Approval of Agenda	<i>Ms. Lopez changed the following items:</i> Item #13: the amount to be \$16,443.72 - Item #16: Change Order No. 2 and the amount to be \$72,795.35 - Item #16: Change the Committee order to Public Works and City Council on December 13, 2017 Councilor Villarreal moved to approve the agenda as amended with a second from Councilor Maestas which passed by voice vote.	1
4. Approval of Consent Agenda	Councilor Lindell moved to approve the consent agenda with a second from Councilor Maestas which passed by voice vote.	1,2
5. Approval of Minutes from the November 1, 2017 Meeting	Councilor Maestas moved to approve the minutes of November 1, 2017 as presented with a second from Councilor Villarreal which passed by voice vote.	2
INFORMATIONAL ITEMS		2
6. Update on Water System's Level of Fire Protection		
7. Status Update on Water Reuse Strategy, Planning and Implementation	Discussion Only	2,3
<p>CONSENT-ACTION CALENDAR</p> <p>8. Update on Current Water Supply Status</p> <p>9. Water Conservation Program Scoreboard Update for November 2017.</p> <p>10. Request for approval of the 2016 Annual Water Report</p> <p>11. Request for approval of Award of RFP #18/05/B and a Professional Service Agreement with Sub Surface Contracting for the Priority Line Replacement Project for the amount of \$1,083,125.00 inclusive of NMGR.</p> <p>12. Request for approval of Amendment No. 2 to the PSA with Golder Associates, Inc. for the Additional Regular Methane Monitoring at the Paseo de Vista Closed Landfill for the amount of \$23,100.00 exclusive of NMGR.</p> <p>13. Request for Approval of Amendment No. 1 to the PSA with Molzen Corbin for the BDD 4 MG Finished Water Storage Tank for \$78,467.47 inclusive of NMGR.</p> <p>14. Request for approval of an Exempt Procurement Contract with Andritz Separation, Inc. for the CRWTP Centrifuge &amp; Conveyor Control System Upgrade Project for the amount of \$138,286.00 exclusive of NMGR.</p> <p>15. request for approval of Ratification of Contract 201-027 914-230 with TLC Plumbing in the amount of \$57,026.53 procured through Cooperative Educational Services (CES)/TLC Company, Inc. dba TLC Plumbing and Utility utilizing Contract #2013-027-941-230TLC for the emergency repair of a natural gas leak at the Wastewater Management Division.</p> <p>a. Budget Adjustment Request for the amount of \$57,026.53 to increase BU/LI 52452.520100 from fund 5450</p> <p>16. Request for approval of Change Order No. 1 to the contract with RMCI, Inc. for the Buckman Parallel Pipeline Project for the total amount of \$121,893.42 inclusive of NMGR.</p> <p>17. Request for approval of Award of Bid '18/01/P and contract to Clean Energy for the Compressed Natural Gas (CNG) Fueling Facility Design, Build, Operation and Maintenance for the amount of \$3,740,186.88exclusive of NMGR plus an amount based on fuel usage.</p>		3

18. Request for approval of Resolution No. 2018-____. A resolution establishing City of Santa Fe Legislative Priorities for consideration by the New Mexico State Legislature during the 53 <sup>rd</sup> Legislature-State of New Mexico-Second Session, 2018.		4
19. Request for approval of Bill No.____. An ordinance amending Section 11-4 to increase the contract approval and budget adjustment amount the City Manager is authorized to approve; adopting the State of New Mexico Procurement Code as the purchasing manual for the City of Santa Fe; and adopting additional exemptions from the Procurement Code.	Councilor Villarreal moved to approve the Resolution with the understanding that the sector will be notified, some amendments be considered and the all or nothing be changed with a second from Councilor Maestas which passed by voice vote.	5,6
Matters from the Public	Discussion Only	6
Matters from the City Attorney	Discussion Only	6
Matters from City Staff	Discussion Only	7
Matters from the Committee	Discussion Only	7
Next Meeting: Wednesday January 3, 2018 @ 5:00 p.m.		7
ADJOURN	There being no further business to come before the Public Utilities committee the meeting was adjourned at 6:17 p.m.	7
SIGNATURES		7

**PUBLIC UTILITIES COMMITTEE  
MEETING MINUTES  
WEDNESDAY, December 6, 2017  
City Councilor Chambers Center  
200 Lincoln Ave. Santa Fe, NM  
5:00 p.m. -7:00 p.m.**

**1. CALL TO ORDER**

Councilor Chris Rivera, Chair of the Public Utilities Committee called the meeting to order at 5:05 p.m. at the Santa Fe Community Convention Center. A quorum was established with roll call.

**2. ROLL CALL**

**PRESENT:**

Councilor Chris Rivera, Vice Chair  
Councilor Signe Lindell  
Councilor Joseph M. Maestas  
Councilor Renee D. Villarreal

**NOT PRESENT/EXCUSED:**

Councilor Ronald S. Trujillo

**OTHERS PRESENT:**

Shannon Jones, Public Utilities Department  
Stephanie Lopez, Public Utilities Department  
Marcos Martinez, City Attorney's Office  
Bill Schneider, Water Resources  
Lee Gagnon, Water Engineering  
Linda Vigil, Stenographer

**3. APPROVAL OF AGENDA**

*Ms. Lopez changed the following items:*

Item #13: the amount to be \$16,443.72

Item #16: Change Order No. 2 and the amount to be \$72,795.35

Item #16: Change the Committee order to Public Works and City Council on December 13, 2017

**MOTION:** Councilor Villarreal moved to approve the agenda as amended with a second from Councilor Maestas which passed by voice vote.

**4. APPROVAL OF CONSENT AGENDA**

The following items will be pulled:

*Item #19 for clarification.*

**MOTION:** Councilor Lindell moved to approve the consent agenda with a second from Councilor Maestas which passed by voice vote.

## **5. APPROVAL OF MINUTES OF NOVEMBER 1, 2017 PUC MEETING**

**MOTION:** Councilor Maestas moved to approve the minutes of November 1, 2017 as presented with a second from Councilor Villarreal which passed by voice vote.

## **INFORMATIONAL ITEMS**

### **6. Update on Water System's Level of Fire Protection**

Mr. Gagnon is here to present the updates he was given at the last meeting. The matrix and methodology are included in the packet.

Mr. Gagnon discussed how he is working with other departments. They can determine pipe age, pipe placement, then assign the ranking. The list of projects that come from breaks, and upgrades needed can also determine ranking. Often times if Streets is repaving an area they like to work on projects to avoid digging up new pavement.

Councilor Maestas discussed the pipe size. It is stated that 6 inches is the industry standard. He realizes fire flow is tied into the rating.

Mr. Gagnon discussed hydrant connections to the main lines. Before they were hooked into 4 inch lines. In some residential areas it may be adequate for service.

Councilor Maestas asked about a fire hydrant proximity. He was expecting to look at parts of the City that are not compliant. Some residents don't have adequate pressure for fire suppression. He would like to see a shaded area map to see where they are. It should be considered in the outcome. He would like to see what parts of the city wouldn't be protected by fire code. There seems to be a concentration in the downtown area. There are certain developers that have had that complaint. Can they consider adding that code when determining the factors?

Mr. Gagnon discussed the analysis requirements. Some factors depend on the square footage of the building. There are maps, they can put up the plan. Perhaps they can upgrade the current code.

Councilor Maestas is pleased with the analysis but is unsure about the ratings. He would like to see a comprehensive or financial plan.

### **7. Status Update on Water Reuse Strategy, Planning and Implementation**

Mr. Schneider provided a slideshow presentation. (See Attachment B) Mr. Schneider discussed the Elephant Butte statement made in the SF Reporter. They are currently at 17% capacity.

The takeaway is they will see more demand but also significant surface flows. They can see how they can better manage their primary sources.

Mr. Schneider discussed the map showing the sources of supply. They are now resting the wells and using 90% surface water now. The project is criticized as being fast tracked. It was done under contract and Federal funding is needed therefore there are deadlines. They explored ways to use the water and best put it to use.

Mr. Schneider discussed the options for aquifer recharge and infiltration. They looked at taking it to BDD storage and treating it and storing it at Nichols. They tried to develop a rating criteria. The project that rose to the top was the SJCP. The legal and regulatory challenges is still daunting. They have decided to bring it to get more analysis and see what they can do to get partners and search for funding if needed.

Mr. Schneider discussed the idea of taking water through BDD then through the city system and consuming it and the remaining amount be treated and then put back to the Rio Grande. They can bring 60% of that water back. There are more benefits. The key point is if they can bring it back they won't need to buy more water rights. This water is controlled and available and used in the highest benefit. The County would be a partner.

Councilor Villarreal asked about the full consumption and asked about the chart in the presentation.

Mr. Schneider stated the annual allocation the City owns is stated in a contract. The County recycles it, that gives the 60%. It will bring back that amount of water.

Councilor Lindell asked about Article 7.

Mr. Martinez explained the Rio Grande Compact between NM, TX and CO. That agreement controls how the water is allocated into the three states and how it is to be shared. When storage in Elephant Butte is at a certain level it must deliver water.

Councilor Maestas is excited to continue the project. Councilor Maestas states the SF River Commission had concerns. Mr. Schneider stated they were under the misconception that they would divert it and not release it back into the river. The components of it would still satisfy downstream users.

Councilor Maestas discussed the Pojoaque Basin Project that is upcoming in a few years. That could have an impact.

Mr. Schneider stated it is bundled under risk mitigation. He states the analysis was not a determination.

Councilor Maestas asked Mr. Martinez about metering, the OSE will grant a credit if they can verify it.

Mr. Martinez explained that is the hope to get it recognized to be able to consume. They have initiated conversations with OSE and ISC.

Chair Rivera also supports the project. He was disappointed it was not funded.



## **CONSENT -ACTION CALENDAR**

- 8. Update on Current Water Supply Status**
- 9. Water Conservation Program Scoreboard Update for November 2017.**
- 10. Request for approval of the 2016 Annual Water Report**
- 11. Request for approval of Award of RFP #18/05/B and a Professional Service Agreement with Sub Surface Contracting for the Priority Line Replacement Project for the amount of \$1,083,125.00 inclusive of NMGR.**
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Councilor Villarreal thanked them for taking this on, she would like some language clarification. Now that the amount has changed how would it change for council and staff?

Mr. Martinez is not sure how it would change and the number of contracts to review. It had to be changed to match the statutory definition of small purchase per the procurement code. It was to be consistent with state law. Mr. Martinez explained there is a list of exemptions. They added three exemptions that are in the manual.

Mr. Martinez explained City Council would still see them they just will not go to RFP. They are not part of the quote requirement. The exemptions will still be brought through Council just not RFP process.

Councilor Villarreal asked about the local mention and what the difference is.

Mr. Martinez states the language tried to copy from state law, his intent was to get the preferences. It is saying that if someone puts in bids and one is a local business, they will place it at 3% lower to improve ranking. It is solely for ranking. It was a way to ensure the contracted and subcontracted work totals 6%.

Councilor Lindell discussed having it total 10%. Mr. Martinez explained a resident and Veterans preference. It can be an advantage if they are not using a local subcontractor. To ensure it benefits locals the language can be changed.

Councilor Lindell explained her initial intent, this would help to see that locals get hired.

Councilor Villarreal asked about the veteran's preference how does it fit in?

Mr. Martinez explained they can add a 3% veteran's preference. He can pose that question to purchasing first. Councilor Villarreal asked if they can make an alternative and or with a maximum of 6%.

Mr. Martinez can bring it back it is a working document.

Councilor Lindell explained the focus was to try to get local employment and allow 6% to a veteran owned local. She wants to see locals working. She recalls granting a contract to a local contractor but all the contractors were from other places.

Councilor Villarreal asked if it would be wise to communicate with the sector of the business to show what the goal is.

Councilor Maestas mentioned a correction should be made to match regarding the formal bid process. It could be rare to have that. Perhaps have a sliding scale, unless they advertise it that way from the beginning. The realistic nature of having it as all or nothing may be unappealing. Is there any way to allocate a credit?

Mr. Martinez sees that point, it could be difficult for some contractors to have all resident subcontractors.

Councilor Maestas suggests they have a qualifier stating if more than half of the work is subcontracted out they have a better chance. The all or nothing could be problematic.

Mr. Martinez states it is easier for the prime contractor to get the local preference. Because it is only 3% but going finer than that it would be hard to get.

Councilor Lindell explained the time spent on it trying to break it down. The bookkeeping wasn't worth breaking it up but she is fine if a Councilor proposes an amendment to it.

Councilor Maestas is just concerned the bar is high and that scenario is rare. How will they show proof of being local?

Councilor Villarreal states that is a good point, but not sure how they can internally handle it. How do they find that?

Mr. Martinez explained that NMTRD grants a certificate for the credit. Mr. Martinez willing to work on an amendment.

Chair Rivera suggests perhaps mentioning it by size of project perhaps. It is possible to go higher if they have to use all local subs. The living wage is another factor.

Mr. Martinez states as it is written as 6% and the state law is 10% there is room to go up. He was sensitive to that to give a significant advantage. They are getting contractors that have prime residences getting that amount and then the subcontractors getting a 5% where they live.

Chair Rivera would like to see if this makes a difference.

Councilor Lindell states when they have a contract with the City they could mention that the local living wage be paid.

**MOTION:** Councilor Villarreal moved to approve the Resolution with the understanding that the sector will be notified, some amendments be considered and the all or nothing be changed with a second from Councilor Maestas which passed by voice vote.

Councilor Maestas the percentage of the work it is easier.

Chair Rivera asked for both scenario

### **MATTERS FROM THE PUBLIC**

There were no matters from the public.

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

There were no matters from the City Attorney.

**MATTERS FROM STAFF**

There were no matters from Staff.

**MATTERS FROM THE COMMITTEE**

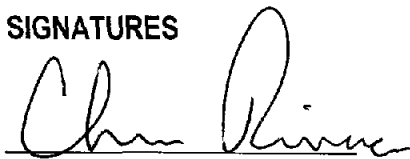
There were no matters from the Committee.

**NEXT MEETING: Wednesday, January 3, 2018**

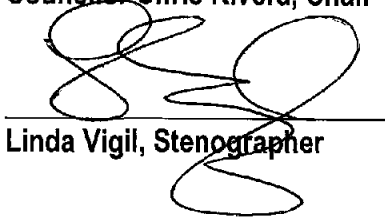
**ADJOURN**

There being no further business to come before the Public Utilities committee the meeting was adjourned at 6:17 p.m.

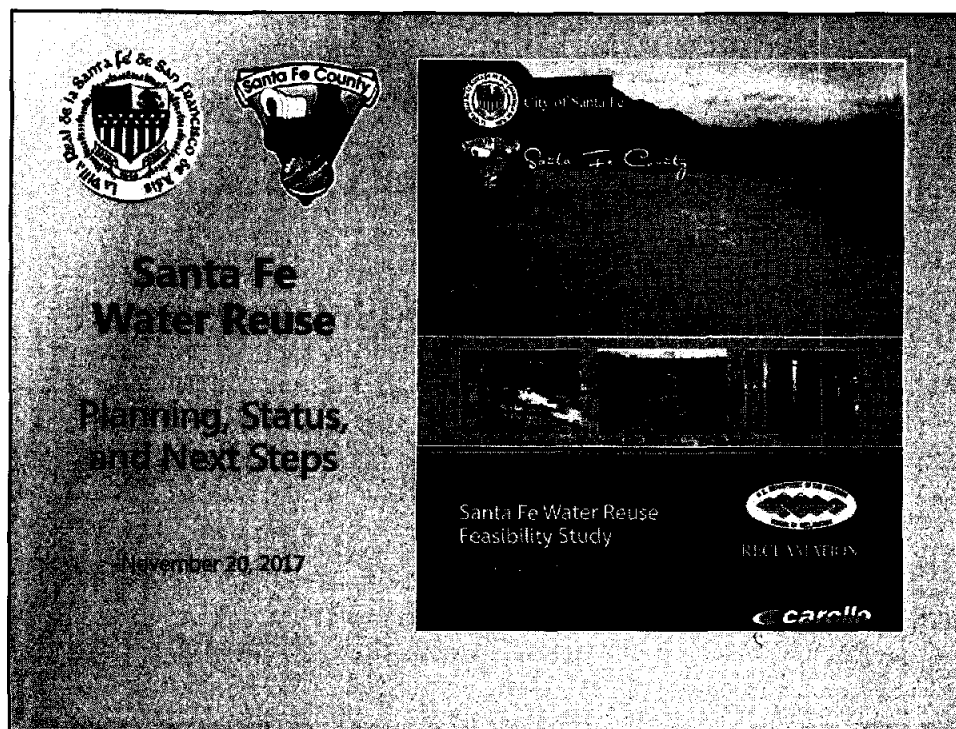
**SIGNATURES**



**Councilor Chris Rivera, Chair**




**Linda Vigil, Stenographer**



SWH14 **REPORTER** NEWS ARTS MUSIC FOOD MOVIES CALENDAR GAMES SFR FOR CONTESTS ABOUT

## Rapidly warming Southwest faces water challenges, choices

New report on climate underscores problem



The Rio Grande north of Albuquerque | Photo by Laura Paskus

By Laura Paskus | 2 days ago

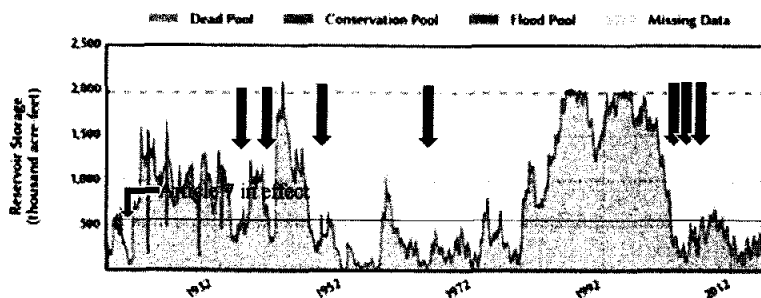
"I'm openly skeptical we'll ever be able to fill Elephant Butte Reservoir again," Dr. David Gutzler told attendees of a recent climate change conference. That's given the trend toward diminished flows in the Rio Grande resulting from the continued global rise in temperature.

The University of New Mexico Earth and Planetary Studies Department professor delivered the grim

SWH15

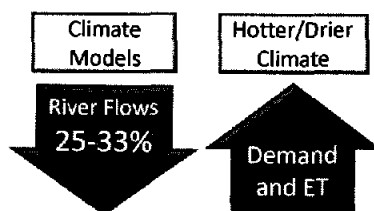
## Drought Impacts on Rio Grande Compact Deliveries and Santa Fe's Water Management Strategies

Elephant Butte Lake: 15.3% full as of 2017-11-04



Article 7 limits Santa Fe's ability to store native Santa Fe River water from 4,050 AFY down to 1,060 AFY

## Santa Fe Basin Study



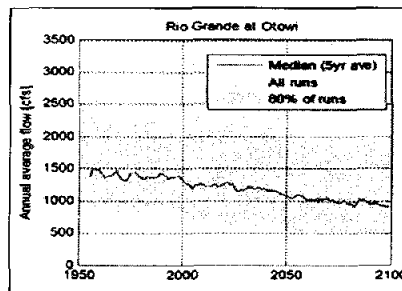
### Santa Fe Basin Study

Adaptations to Projected Changes in Water Supply and Demand

Study by South West Water



- Reduction in Surface Water Supply on both Rio Grande, Santa Fe River and SCJP sources.
- Reduction in Groundwater Recharge
- Shortages may reach 9,300 AFY under hottest-driest scenarios for the City-County by 2055

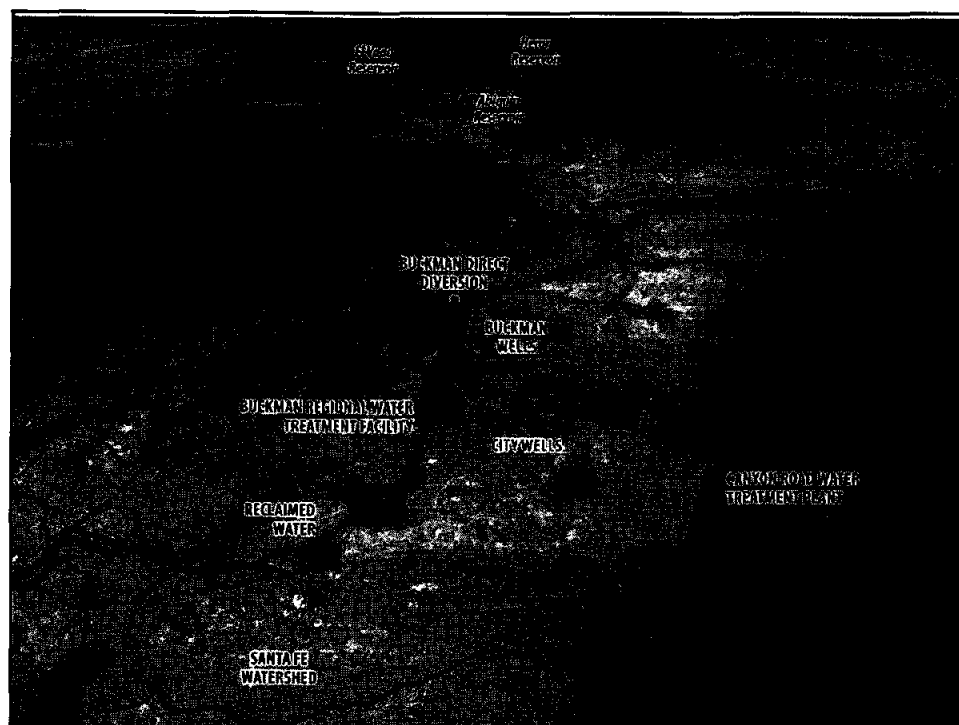


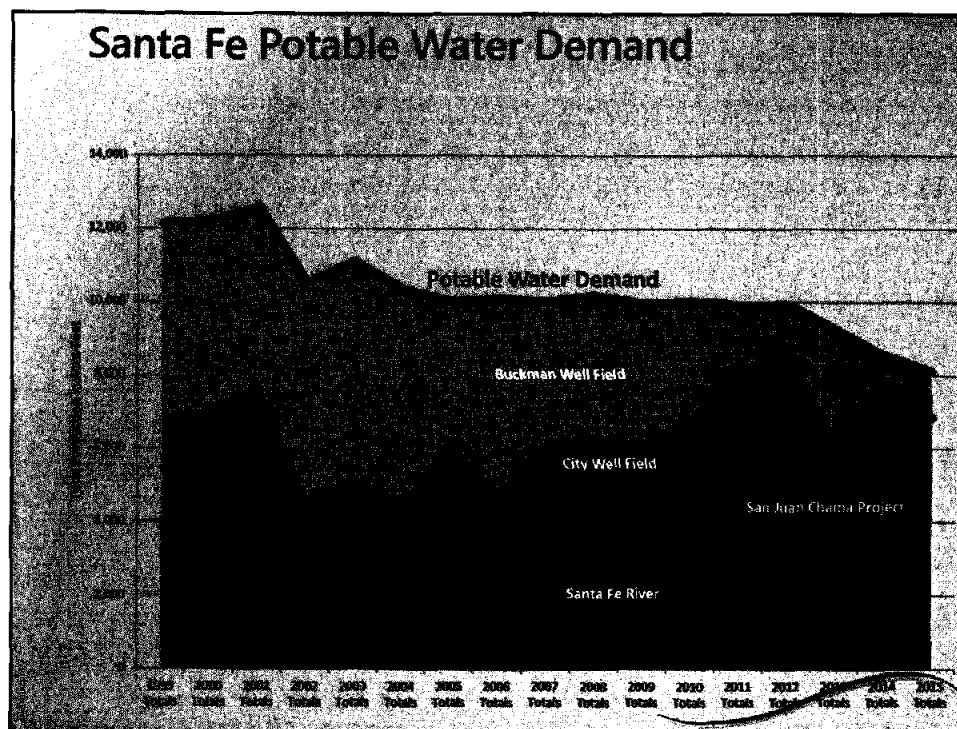
## Planning for a Secure and Sustainable Future

*What year will climate-induced shortages begin?*

*When should we implement additional reuse?*

*What if reuse doesn't fill the gap?*





### Long History of Water Planning Supports Expanding Reuse in Santa Fe

**1988**

**1998**

**2001**

All studies concluded:  
***reclaimed water important for water supply***

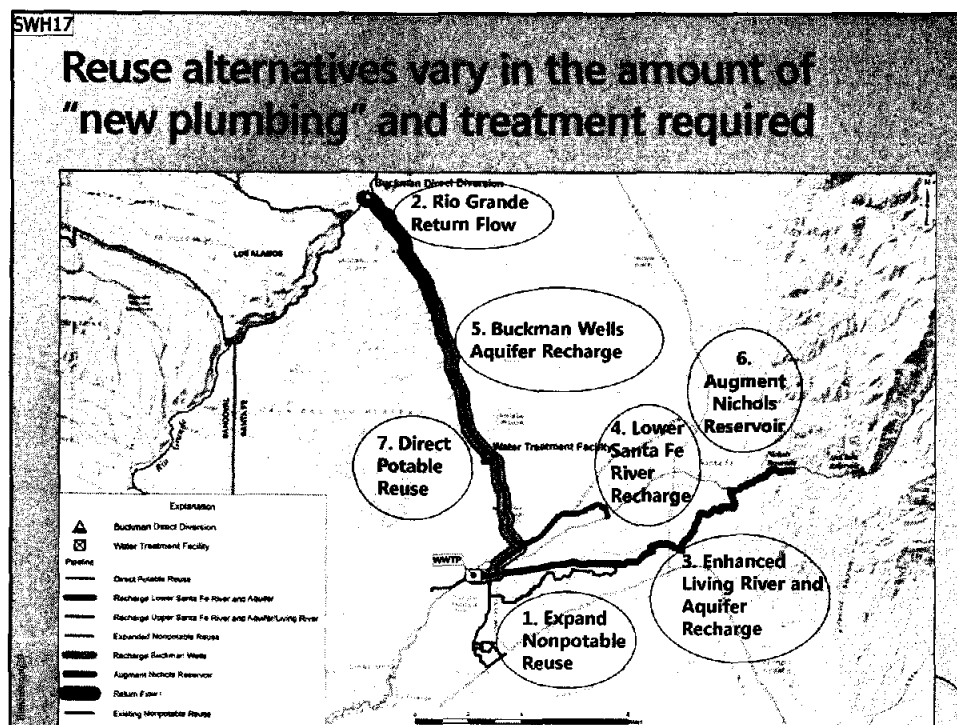
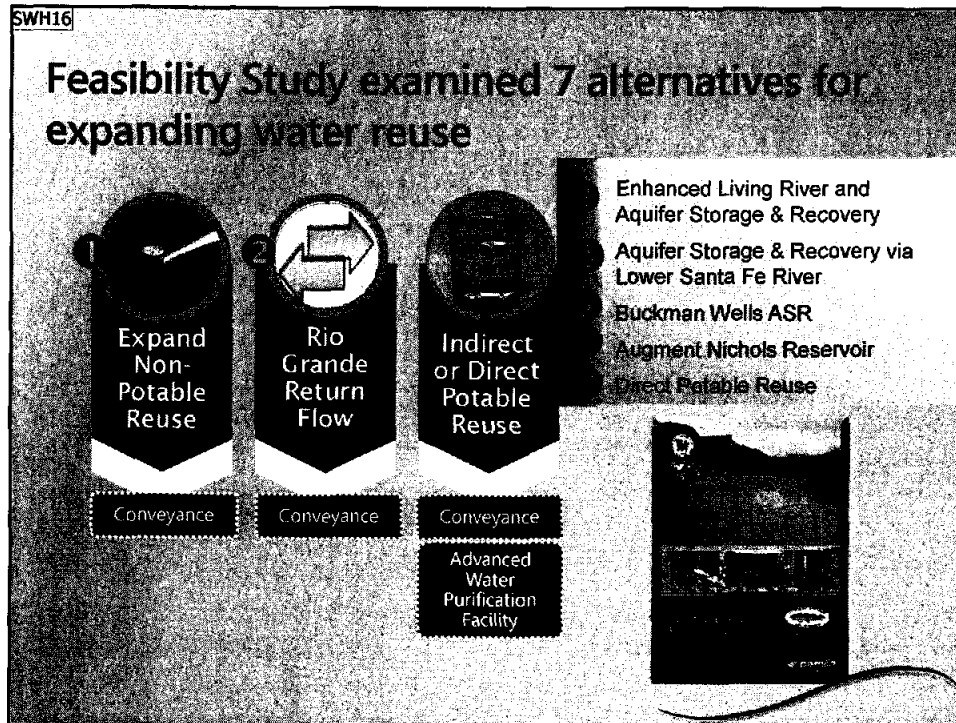
**2016**

**2015**

**2013**

**2008**

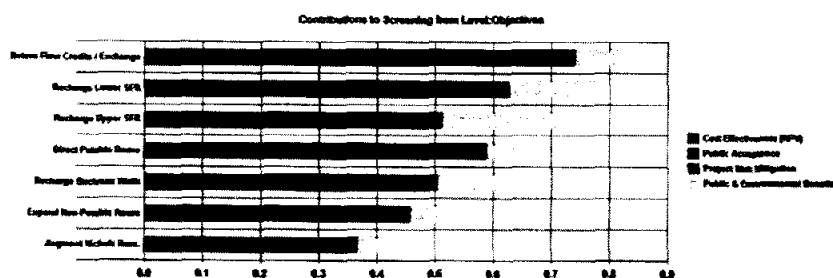




## Screening of Reuse Alternatives

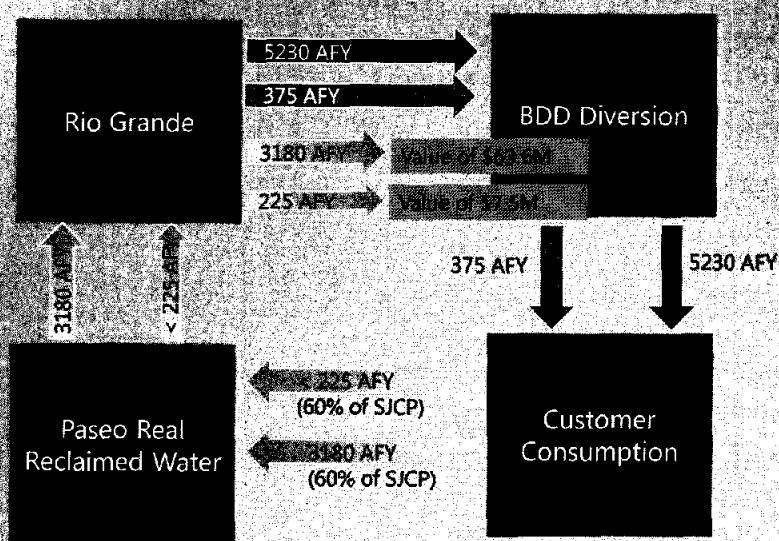
Criterion	Profile 1 Weight	Profile 2 Weight
Cost-Effectiveness	40%	30%
Public and Environmental Benefit	20%	20%
Public Acceptance	20%	20%
Project Risk Mitigation	20%	30%

### Weighted Decision Scores: Profile 1

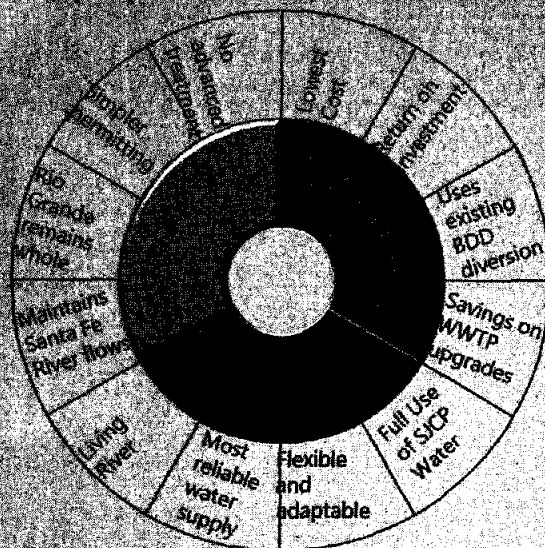


SWH18

## Full Consumption of SJCP Water



## Key Benefits of Rio Grande Return Flow



## Implementation Planning Path Forward

- Grant application submitted August 2017
- Implementation Planning (9 months):
  - Preliminary design
  - Permitting
  - Stakeholder engagement
- Focus on exploring possible project configurations – no final decisions yet

