



Agenda DATE 8/2/17 TIME 2:44

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**SANTA FE WATER CONSERVATION COMMITTEE MEETING**

**CITY HALL – 200 LINCOLN AVE.**

**CITY COUNCILOR'S CONFERENCE ROOM**

**August 8, 2017**

**4:00 PM TO 6:00 PM**

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE JULY 11, 2017 MEETING

**CONSENT AGENDA**

6. UPDATE ON CURRENT WATER SUPPLY STATUS (Christine Chavez)
7. MONTHLY OVERVIEW OF SCORECARD PROGRESS (Christine Chavez)

**ACTION ITEM:**

8. MID-YEAR UPDATES TO THE SCORECARD (Christine Chavez, 45 minutes)

**INFORMATIONAL ITEMS:**

9. DISCUSSION ABOUT COMMITTEE INVOLVMENT IN OTHER CITY COMMITTEE MEETINGS (Christine Chavez, 10 minutes)
10. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING GROUPS
  - A. GROUP 1 – Irrigation Subcommittee (No update)
  - B. GROUP 2 – General Education Program (Aaron Kauffman) (Christine Chavez)
  - C. GROUP 3 – Marketing Outreach (Bill Roth) (Christine Chavez)
  - D. GROUP 4 – Water Conservation Codes, Ordinances and Regulations (Scott Bunton) (Christine Chavez)
  - E. GROUP 5 – Grants (Bob Coombe) (Christine Chavez)
  - E. GROUP 6 – Commercial Conservation (Stephen Wiman) (Christine Chavez)

**MATTERS FROM PUBLIC:**

**MATTERS FROM STAFF:**

**MATTERS FROM COMMITTEE:**

**NEXT MEETING – TUESDAY SEPTEMBER 12, 2017:** (NEXT MEETING WILL BE HELD AT THE WASTE WATER TREATMENT PLANT AND WILL BEGIN AT 3PM)

**CAPTIONS:** MONDAY, AUGUST 28, 2017 @ 3 PM.

**PACKET MATERIAL:** WEDNESDAY, AUGUST 30, 2017 @ 3 PM.

**ADJOURN.**

Persons with disabilities in need of accommodations, contact the City Clerk's office at 955-6520, five (5) working days prior to meeting date.

**SANTA FE WATER CONSERVATION COMMITTEE  
CITY HALL, CITY COUNCILORS CONFERENCE ROOM  
200 LINCOLN AVENUE  
TUESDAY, JULY 11, 2017, 4:00 PM**

<b><u>ITEM</u></b>	<b><u>ACTION</u></b>	<b><u>PAGE</u></b>
<b>CALL TO ORDER</b>		<b>1</b>
<b>ROLL CALL</b>	<b>QUORUM</b>	<b>1</b>
<b>APPROVAL OF AGENDA</b>	<b>APPROVED</b>	<b>1-2</b>
<b>APPROVAL OF CONSENT AGENDA</b>		
<b>APPROVAL OF MINUTES JUNE 13, 2017</b>	<b>APPROVED</b>	<b>2</b>
<b><u>CONSENT AGENDA</u></b>		
<b>UPDATE ON CURRENT WATER SUPPLY STATUS</b>	<b>INFORMATION/DISCUSSION</b>	<b>2</b>
<b>MONTHLY OVERVIEW OF SCORECARD PROGRESS</b>	<b>INFORMATION/DISCUSSION</b>	<b>3</b>
<b><u>ACTION ITEMS</u></b>		
<b>AN ORDINANCE REPEALING SECTION 25-11 RELATING TO THE WATER CONSERVATION CREDIT PROGRAM</b>	<b>APPROVED</b>	<b>3-4</b>
<b><u>INFORMATIONAL ITEMS</u></b>		
<b>STORM WATER MANAGEMENT PLAN UPDATE</b>	<b>INFORMATION/DISCUSSION</b>	<b>4-7</b>
<b>CONSERVATION WORK WITH COMMERCIAL SECTOR</b>	<b>INFORMATION/DISCUSSION</b>	<b>7-13</b>

<b>GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING GROUPS</b>	<b>INFORMATION/DISCUSSION</b>	<b>13-14</b>
<b>MATTERS FROM THE PUBLIC</b>	<b>NONE</b>	<b>14</b>
<b>MATTERS FROM STAFF</b>	<b>INFORMATION/DISCUSSION</b>	<b>14-15</b>
<b>MATTERS FROM COMMITTEE</b>	<b>INFORMATION/DISCUSSION</b>	<b>15-16</b>
<b>MATTERS FROM THE CHAIR</b>	<b>INFORMATION/DISCUSSION</b>	<b>16-17</b>
<b>NEXT MEETING, TUESDAY</b>	<b>AUGUST 8, 2017</b>	<b>17</b>
<b>ADJOURN</b>	<b>ADJOURNED</b>	<b>17</b>

**SANTA FE WATER CONSERVATION COMMITTEE  
CITY HALL, CITY COUNCILORS CONFERENCE ROOM  
200 LINCOLN AVENUE  
TUESDAY, JULY 11, 2017, 4:00 PM**

**1. CALL TO ORDER**

The meeting of the Santa Fe Water Conservation Committee was called to order by Chair, Councilor Peter Ives, at 4:00 pm on Tuesday, July 11, 2017, at City Hall in the City Councilors Conference Room, 200 Lincoln, Santa Fe, New Mexico.

**2. ROLL CALL**

**MEMBERS PRESENT**

Councilor Peter Ives, Chair  
Lisa Randall, Co-Chair  
Aaron Kauffman  
Tim Michael  
Robert D. Coombe  
Stephen K. Wiman  
Ken Kirk  
Doug Pushard  
Bill Roth  
Scott Vinton

**MEMBERS ABSENT**

Justin Lyon

**OTHERS PRESENT**

Christine Chavez, City of Santa Fe, Water Conservation Manager  
Melissa McDonald, City of Santa Fe, River and Watershed Coordinator  
Andy Otto, Santa Fe Watershed Association  
Glen Schiffbauer, Santa Fe Green Chamber of Commerce  
Patricio Pacheco, City of Santa Fe, Water Division  
Elizabeth Martin, Stenographer

**3. APPROVAL OF AGENDA**

**MOTION** A motion was made by Ms. Randall, seconded by Mr. Pushard, to approve the agenda as presented.

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

**4. APPROVAL OF CONSENT AGENDA**

Chair Ives said he would like to pull item 6 for discussion.

**MOTION** A motion was made by Mr. Michael, seconded by Mr. Coombe, to approve the consent agenda as amended.

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

**5. APPROVAL OF MINUTES, JUNE 13, 2017**

Ms. Chavez said there were significant edits by Mr. Vokes to the part of the minutes where he gave his presentation. These edits are attached herewith to these minutes as Exhibit "1".

**MOTION** A motion was made by Ms. Randall, seconded by Mr. Michael, to approve the minutes as amended.

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

**CONSENT AGENDA**

**6. UPDATE ON CURRENT WATER SUPPLY STATUS**

Chair Ives said on the chart on page 2 of the packet material there are not clear dates.

Ms. Chavez said she would clear that up with Alex and report that information to the Chair.

Chair Ives said on the top of page 3, at the end of the partial paragraph, what are the fiscal years referred to.

Mr. Michael said the State fiscal year ends on the same day as the City's fiscal year.

Chair Ives asked does that mean we are talking about June 30<sup>th</sup>.

Ms. Chavez said she will check with Alex and get back with the Chair.

## **7. MONTHLY OVERVIEW OF SCORECARD PROGRESS**

Approved under consent.

### **ACTION ITEMS**

## **8. AN ORDINANCE REPEALING SECTION 25-11 RELATING TO THE WATER CONSERVATION CREDIT PROGRAM**

Chair Ives said this is a provision that has been in our code rewrite proposal to repeal because we engaged in the rewrite of Chapter 25 in its entirety. There is a memo in packet. He would like to note that this section was originally written with good intentions certainly, but it has been only exercised once resulting in a lawsuit. Further exercise of this revision is not advisable. This is to clear the deck of something that, while well intentioned, has not worked out well and would be gotten rid of in the rewrite.

Mr. Wiman asked what is status of the Chapter 25 revision. It started a year ago.

Ms. Chavez said the subcommittee for our section has already struck this part from the code in their draft. There is a process moving forward now to rewrite the entire Chapter. Andrew Erdman will present the rewrite to Council for input.

Chair Ives said his hope was not to entirely rewrite the Chapter originally but as we waded into it we realized that the entire thing had to be rewritten. We are more than 6 to 8 months into the process. The fact is they are cleaning this up as a step before coming back with the new code in the next 2 months. We will get the information and send it out to this Committee.

Ms. Chavez said Mr. Erdman asked everyone to list their priorities in each section. This was one of them. This is a pretty big task. Everyone did a really good job in getting our section completed. Other sections are more outdated than ours.

Mr. Pushard said we finalized the water section. The drafts have not come back to this Committee yet. Can it be on our next agenda.

Ms. Chavez said all the edits are being complied. They are working on the entire draft now and the entire draft will come here. That is still a couple of months down the line.

Mr. Pushard said there are a couple of things that we as a subcommittee had questions on. It would be worthwhile to bring that part to this Committee.

Chair Ives said he would like for the current draft to come here for review and comment.

Ms. Chavez said she will talk to Mr. Erdman about it.

Mr. Michael asked what action do we need to take.

Chair Ives said accept and approve the recommendation that it be repealed.

**MOTION** A motion was made by Mr. Pushard, seconded by Mr. Michael, to approve the recommendation for repeal.

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

### **INFORMATIONAL ITEMS**

#### **9. STORM WATER MANAGEMENT PLAN UPDATE**

Ms. McDonald thanked the Committee and office for the wonderful conference they put on. Thank you for all your efforts. She was glad to see emails going out to plan for the future.

Ms. McDonald explained that her office is under Public Works, Engineering. As of July 1 Storm Water Department will be moved under our section. That is wonderful and significant and is part of a greater plan we are working toward as a City. Under Councilor Ives and the Mayor's leadership the Governing Body adopted a Resolution directing staff to look at storm water policies. We did that. Out of that we did a preliminary report where we came up with recommendations. One was to look at updating our storm water plan. It is a bit outdated. It was done in 1998 so it is time to update it and look at it with a fresh perspective. We wanted to look at how we work with green infrastructure in our city and community based efforts regarding storm water. The good news is that we have a lot moving forward in this fiscal year. We are now under contact with global engineering company, Tetra Tech, to start updating the storm water plan. We are fortunate to have had a team on our RFP process for selection and we received wonderful proposals. During that process we were told by EPA that we were awarded a pilot project. It is a long term storm water management planning effort. We are one of 5 cities and the only western city to be part of the effort. We are moving full speed ahead to bring these plans together.

Chair Ives said we have started to push for additional funding for projects for storm water. It was the recommendation of our previous Finance Director that before we look at raising fees we come up with an updated, new plan so we know what our goals are. The intent is to come back and see how to fund projects and accomplish

goals when the plan is done. Storm water has been seen as something to move out of the way. Now it is seen as a resource with limited access. The effort is to see how we can make it work for us. There is a whole education component as well. The former EPA Region 6 Director, Ron Curry, was a former City Manager of Santa Fe and he informed us of this opportunity.

Mr. Kirk asked did the City apply for that grant.

Ms. McDonald said they approached us and we had to formally apply.

Chair Ives said there has been a constant dialogue with Ron and his staff.

Mr. Pushard asked how much is the grant.

Ms. McDonald said it is for technical assistance. \$150,000.

Ms. McDonald said we will be looking at the whole picture. We will need to update the technical aspects of it into GIS. Tetra Tech worked closely with the EPA to develop their models. We hope to get out of this a very innovative way to manage that data. The other aspect is the idea is looking at an interface with green infrastructure and an enhanced way to look at storm water and seeing it as a resource. It is exciting that we will be developing this with the EPA. Our projects go through the EPA so we will be in a good position to share information and ideas. We are starting to see Santa Fe become a leader. There is a lot ahead. We will have a timeline creating the framework of how this will move forward. We will be getting information to our consultants. Then we will be coming back at the end of summer to get community input. This body is one of our stakeholders as is the River Commission and others. We are reaching out. We would love to get from this group feedback on our stakeholder list of who we may be forgetting. We want a lot of community buy in. We are lucky we live in a community where people feel this is important.

Chair Ives said on an historical note, New Mexico is one of 4 states that did not opt in to an EPA regimen of discharge permits. They all go through the EPA. The hope is by slowing it down we can take advantage of other more natural processes.

Ms. McDonald said Ken in his other life had some relationship to this grant. He had no idea about our application but she is thrilled that he is on this Committee.

Mr. Vinton asked what is the timetable.

Ms. McDonald said 9 to 12 months. Tetra Tech will be done in 9 months. EPA originally said 12 months so we are hoping for that. It might be a bit longer. We can produce 1 plan or 2 but we will have one plan within this year. The methodology to prioritize plans and funding.



Mr. Pushard asked as part of the process are you doing research on best practices. Around the County storm water is handled very differently than it is here. Especially when it comes to commercial projects where they do a minimal job.

Ms. McDonald said we are absolutely looking at best practices for this effort and for the City to use as an example. We are also looking at fees and assessments. We do believe that Tetra Tech has some experience with that as well. The financial piece will be interesting.

Mr. Pushard asked are you looking at the rebate program to help you fund some of the storm water runoff. It is for people to go back and do retrofits. Not just new buildings.

Ms. McDonald said she agrees it will be helpful. Maybe this a good place for this Committee to interface with this project. Feel free to send any information or ideas on to us.

Chair Ives said keep in mind our budget process. Draft budgets will be coming forth the end of January or early February. The Public Works Committee will be bringing in all the different divisions to talk about priorities. In your work with funding mechanisms we can look at that as part of next year's budgetary process so we are ready for the next fiscal year. At the end of this fiscal year maybe give everyone a good idea of where financially you are headed.

Ms. McDonald said we will get that on the radar.

Ms. Randall said for Santa Fe Public Schools we still fall prey to architects and design teams who just want to get the water off the property. She is not learned enough to give a strong argument to have them do otherwise. What part of your outreach is to commercial and large property owners. We need education around why this is important and the technical applications so we can say we are taking good care of the buildings and your property but also the natural resources. That is precious information.

Chair Ives asked who has physical control over your facilities.

Ms. Randall said we own the property and have to submit building plans to the Public Schools Building Authority. To lease or sell property we have to have permission from the State Board of Finance. As to what we build, as long as we comply with the standards it is up to us. We consult with the City and County on drainage and utilities. We are a State entity.

Chair Ives said it might be worthwhile to start some interaction with the Public School Finance Authority.

Mr. Kirk said he imagines that you will be trying to get projects throughout the

City. What is the time frame.

Ms. McDonald said with new projects initially we are trying to get an assessment of the flow. From that data we will know areas that might be open to doing some green infrastructure projects such as parks. By the time we do budgets will be able to put dollars and sections of town in place. By January we will have a good idea for sure.

Chair Ives said there was a real assessment of those kind of projects with the 2012 bond process.

Mr. Coombe asked as the plan for the City evolves will it approach particular standards for large projects.

Ms. McDonald said we will see as we work through the projects. The City has done a very good job with code development on some things. Anything is on the table.

Mr. Coombe asked is the City giving any attention to the storage of storm water on City property.

Ms. McDonald said that will be looked at. We are allowed to pond water for 36 hours.

Mr. Kirk asked is there any consideration of asking the Legislature to provide us with that law.

Ms. McDonald said that is a big issue.

Chair Ives said not that he is aware of. Our surface water is already subscribed.

Ms. McDonald said the Flood Control Authority may look at it. We are looking at that.

Mr. Pushard said you have to get a State permit to do anything beyond 96 hours. They are open to discussions. Maybe come up with some target projects and have meetings with the State before we look at changing the law.

Ms. McDonald said they would like it to be through an Authority of some sort.

Chair Ives said thank you.

## **10. CONSERVATION WORK WITH COMMERCIAL SECTOR - OPEN DISCUSSION**

Mr. Pushard said this is the output of the Next Generation Water Summit. The idea is how to push the envelope and make it good for attendees next year and push the City. They are not doing enough water conservation with commercial entities. The idea of this program is for furthering of the Green Lodging Initiative to improve the efficiency of water and how it has run its course. This would fall under that program. We would approach 50 restaurants in town who would agree to do water audits. Hopefully that would increase savings. We will have a deadline driven project for report at the next conference. We will publish our results. This would be the "first in the Country" type of program and we will announce the results at next years summit. Glen would help in this initiative.

Mr. Schiffbauer said the Watershed Association and the Green Chamber have been doing something similar but with the emphasis on hotels with restaurants. There is probably a way for greater outreach we can do especially in terms of the rebate and getting traction with that. The Green Chamber has been doing a project with Sustainability and has kept engaged with them. If we had a robust program to get rebates to them we could expand the program to hotels and motels. He asked the owner of The Pantry what their water use was in a year. He was told that it is 2 acre feet a year and they are a small restaurant. If we can do the baseline metrics that would be helpful. At the summit we could have some data and facts on savings.

Mr. Pushard said we need to involve Land Use. They want to start figuring out how to do a commercial water code. It is not done in a good way right now. This allows us to start building a program sector by sector based on good data. The last study is 15 years old. If this works maybe the next year we could do another sector.

Chair Ives asked would you explain if you went to a restaurant downtown what would you be proposing to them.

Mr. Pushard said a water audit and give them a written report giving them their options of how they could reduce their water use. They would sit down with the Water Department to negotiate with them about how much of a rebate they would qualify for. They have to sign an agreement and we would follow up and monitor it.

Chair Ives asked with an ordinary restaurant, how much savings could they generate.

Mr. Pushard said 20% to 30% is a reasonable target. Ice makers are a good example of wasting water. We do have a restaurant owner in town who is in violation of City code. We could sit with him and maybe negotiate with him. Maybe there is something he can do to offset his water use.

Chair Ives asked could you roll this into the water budgets.

Mr. Pushard said you have to have some numbers to help you build that code.

We can get one sector done and maybe next year go after 2 sectors.

Mr. Vinton asked what is it that the violator is doing that is egregious.

Mr. Pushard said serving water without request.

Mr. Pacheco said water that is used for cleaning can be an issue as well.

Ms. Chavez said this is kind of cool. Hopefully we can brainstorm on things we can do as a group. The program itself has not done a lot with commercial. She asked Patricio to be here because he has done a lot. We could develop a better audit for our commercial users. We have not really talked to Andy or Glen about this. The Green Lodging Initiative did a lot of work but we thought more work could be done with the audits and water savings. We have a big chunk of money for rebates but we have been unable to spend it so far. They bring the rebate information to us and we watch what they do for a year and if they meet their projection we give them the rebate on their bill. We missed the mark for this year. We have more work to do there. We need to develop that commercial rebate. This might be a place to get it started.

Chair Ives said he is assuming a restaurant with a meter could easily be on the Eye on Water and get all that information and see their savings.

Mr. Pushard said a program push would be to get them on Eye on Water. We need to get more commercial buy in. Maybe give an award out at the Summit.

Mr. Coombe asked how do you begin. What entity is it that approaches and selects the businesses.

Mr. Pushard said we are looking for positive feedback from this Committee. Then we will approach Land Use for buy in. Then Sustainability. Then we will start drafting what the program would be and have a meeting with Glen and Andy as part of the team who with Christine would approach the entities. Hopefully we will kick this off in 2 or 3 months.

Mr. Coombe said so it will be out of Christine's office for the City.

Mr. Pushard said it will have to be done by Resolution.

Ms. Chavez said the idea now is to get feedback from the group. We will have to bring in more resources to do audits. We will have to contract with someone and they can also do training so we can continue the effort on our own.

Mr. Coombe asked does the result of the audit become public information.

Mr. Pushard said a summary of the information, not the individual information.

Mr. Coombe said that would be a disincentive.

Mr. Wiman said he thinks there will be a certain amount of resistance from the restaurants. We need to link them with Eye on Water and get them to give you their use code as well. That is critical.

Mr. Pushard said we need to build that in. We will get our own reports from Eye on Water. We can get them to agree to let us use it and hold the information in confidence.

Ms. Chavez said that is the biggest thing. Use it as pilot project and show how it can be used. That is huge.

Mr. Otto asked right now can you use Eye on Water for commercial properties.

Ms. Chavez said yes but they are not aware of that.

Chair Ives asked are restaurants the best place to go initially. He is just posing the question.

Mr. Schiffbauer said from his experience most of the large hotels have restaurants too and in the past the outreach we did was to restaurants and hotels but it did not focus enough on the rebate and the power of that. Restaurants will be the quickest adopters of a program like this he thinks. We have a couple of hotels who are very engaged in sustainability.

Mr. Kirk said why wouldn't anyone want the rebates. It is \$25,000. What am I missing here.

Mr. Pushard said it is the confidentiality issue and the big brother aspect issue. If we don't turn it into a water audit so much, but more as a program to reduce their operating costs that would work better. They can get a lot of free press. We can turn the argument around.

Ms. Chavez said she is concerned that we will not meet the projections in a restaurant. If they wanted to harvest water they can't if they are in a rented building. Where can we meet that acre foot in a year.

Mr. Pushard said we have to come back with a Resolution on this. Looking at infrastructure, the acre foot is going to be one of the things we have to look at and reduce for this program.

Ms. Chavez said that would reduce the amount of the rebate. If we did a hotel with a restaurant we could look at other infrastructure that would meet the acre foot requirement.

Mr. Coombe said hotels are interlinked businesses. Which one benefits.

Mr. Pushard said yes, most hotels are not one business. Restaurants are easier because they are managed separately.

Mr. Vinton said the City already knows how much water they use, confidentiality.

Ms. McDonald said you can find out now.

Mr. Vinton said an alternative approach is not to go in to slap hands but to address savings.

Ms. Randall said maybe instead of an acre foot target percentage of savings. Also include hot water savings. Water is to darn cheap. Savings happens long term. That is part of an obstacle. An angle we could use to assist is marketing. What does it mean to be a green business. We can have signs. How can you share that message with your clientele. Capture the whole picture.

Chair Ives said it is part of the branding. Sustainable and green emphasis.

Mr. Kauffman said in terms of acre foot does that have to be potable water. Could we get that off roofs. It is easier to do interior audits in other commercial businesses. Do simple businesses first then restaurants later where it is easier to get to an acre foot if non potable water can be used.

Ms. Chavez said Meow Wolf wanted to capture outside water and use it inside. That did not get far. This is a way to start targeting commercial customers. There is lot of other work that needs to be done. At Meow Wolf they would qualify for a rebate. They can get great exposure and marketing out of that.

Mr. Kauffman said it is easier to do an audit for a different type of business. What about parking lot water.

Mr. Pushard said the whole idea is that we would like to get started and do a program. We want to target a sector and create the data that helps us when a new restaurant comes in to know how much water needs to be allocated to them. There are lots of people with lots of commercial buildings.

Mr. Kauffman said go to the building owner.

Mr. Pushard said typically they do not live here.

Ms. Chavez said we could target outdoor as well and that would help them get to one acre foot. We would like to have just one Resolution.

Ms. McDonald said she would love to see a parking lot rebate. If you are using potable water to water your landscape it is an opportunity for storm water.

Chair Ives asked do we need to change anything in the existing code for this project.

Ms. Chavez said we need to look at that. Are we sure it is legal to capture water off of a parking lot.

Mr. Pushard said as long as we are not storing it. We can hold it in a retention basin for 24 hours.

Ms. Chavez said if it falls off the roof it can be held in a tank.

Mr. Pushard asked do you have a State permit.

Ms. Chavez said Land Use would have to help us to get a permit.

Mr. Pushard said yes that is why Land Use has to be part of the project.

Ms. Chavez said this the beginning of what could be a very large project. She is appreciative of the fact that Doug had an idea of how to get it started. Hopefully we can start thinking of other things we can do. There are lots of opportunities. We need to bring people to the table to identify obstacles.

Mr. Wiman said we could use percentage use if we could reduce by a percentage. We can get people on the team that way and kind of build a relationship. Have them join the effort.

Mr. Vinton said make it an official City award program. Give great publicity and a big decal for their window and feed the information to the New Mexican.

Mr. Schiffbauer said the Green Chamber and the Sustainability Committee are doing awards every year. Last year they were the Mayor's Sustainability Awards.

Chair Ives asked what do you need from the Committee.

Mr. Pushard said a go.

Chair Ives said there is a consensus. We need to look at what we need to do, if anything, code wise. That takes 60 to 90 days.

Mr. Pushard said we will have something drafted at the next meeting.

Ms. Chavez said that is too soon. This is a big program component. We need to

put together a subcommittee to look at this. The percentage reduction idea is a lot better. We need to research potential savings for restaurants and hotels and bring together a stakeholder group to see if we can get support and she needs to look at if she can get funding. After that we can write the Resolution. Maybe by the September meeting should be the goal. She would like Patricio to head that subcommittee. Does everyone agree with that. This is a great idea and we completely support it.

Mr. Pushard said he completely agrees.

Chair Ives said so we need to set up another working group. The commercial sector is one we have not emphasized. For the next meeting we need to have a name for it, goals and sense of who would like to be involved in that.

Ms. Chavez agreed.

Mr. Kirk said a lot of this relates to what Melissa is doing as well. He would think it would be extremely important to Santa Fe to protect this precious resource, water.

Chair Ives said he would like to task Doug and Christine with coming up with a name and who is interested in serving on this new subcommittee. If you are interested get word to Christine. We can also be working in the community as well.

## **11. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING GROUPS**

Ms. Chavez said there are no reports because we have not met. Fifty percent of the Committee responded back to her what their interest was. If we can all look at the subcommittee you are assigned to and determine if you want to stay there or move that would be helpful. We have had a couple of changes. Irrigation moved a QWEL class and it was successful. That is pretty squared away. We are working with the Community College. Regarding education that has led us into Community College programs. They are looking for assistance in developing their water programs. That is a huge opportunity for us.

Mr. Pushard said they have a 101 class and that is the class they are looking for help with. It is a required class of the water, plumbing and bio fuels programs and others.

Ms. Chavez said we will look at QWEL as part of that.

Ms. Chavez said on marketing we have not done too much with that. We need to look at recommendations for the Strategic Marketing Plan.



Ms. Chavez said we have not met on the grants subcommittee either but we are going to get that started.

Ms. Chavez said on the codes ordinances and regulations the Chapter 25 rewrite is there.

Ms. Chavez said we need to come up with goals and structure for each subcommittee. Respond to me and let me know where you want to serve. If you need more information let her know or just show up to subcommittee meetings and decide. We will add a commercial subcommittee

**A. GROUP 1, IRRIGATION SUBCOMMITTEE**

Mr. Pushard said we are going to start looking at grey water.

**B. GROUP 2, GENERAL EDUCATION PROGRAM**

Reported previously.

**C. GROUP 3, MARKETING OUTREACH**

Reported previously.

**D. GROUP 4, WATER CONSERVATION CODES, ORDINANCES AND REGULATIONS**

Reported previously.

**E. GROUP 5, GRANTS**

Reported previously.

**12. MATTERS FROM THE PUBLIC**

None.

**13. MATTERS FROM STAFF**

Ms. Chavez said Patricio has been with us a month now. He is super great. Scott was appointed last month so we have a full Committee and we are excited about that. Welcome.

Ms. Chavez said she wanted to thank Mr. Michael for all of his assistance with GPCD. He has been so helpful. It is not an issue with billing or the integrity of the

system, I but the code we write to extract information from the GPCD. We are looking at all the meters. Right now we have 2 different systems and they don't necessarily jive. We are working on integrating them now. There is a lot of work going on in the background to work that out.

Ms. Randal said we were recently notified by the County and City that one of our properties meters is being taken over by the City. Will that impact the numbers.

Ms. Chavez said it will impact the numbers. We will have a challenge for next year. There will be an adjustment there.

Mr. Coombe asked could you speak to the level of certainty now. In terms of what the GPCD actually is. Is the trend over the last several years real.

Ms. Chavez said based on our production numbers the trend is real. We are producing less water. In the GPCD number we found a flaw in how that data was pulled from the past. We are not certain in terms of consumption. We think we going down.

Mr. Michael said we are producing less water so that is good. The trend is what it is. He appreciates the work Christine does, but he is a bit concerned with the problem with database bookkeeping for water consumption. Is it the concern for the administration what it should be. His concern is that he thinks there is there a problem with the database. Sometimes databases are misdesigned and you can't get the information you want. Is it a high level concern.

Ms. Chavez said she is so glad he thinks that way. She appreciates his concern. We have that old billing database that has been changed throughout the years. Now we have the new billing system we are changing over into. We have Badger data coming in and in trying to mesh it all together it is not working. With every pull they have done they have found issues. They are working on it and improving it. It is in transition now. The Department Director is working directly with IT on this.

Chair Ives said he suggests there is a high level of engagement and concern at the Governing Body level on billing systems and the significant expenditure in funds trying to convert those system which has not worked out with the contractors who have been hired. We talk a lot about such things in executive session. There is a high level of engagement, interest and frustration.

Ms. Chavez said we printed off cards for Eye on Water. You are all more than welcome to take some.

#### **14. MATTERS FROM COMMITTEE**

Mr. Pushard said regarding the garden. For those who came out and shoveled and dug you should go by Water Conservation. There are spray heads now. The next thing is a garden design. We are doing wonderful. This project is 6 years in the making.

Mr. Pushard said everyone has probably seen the new City water bill. He would like to add to the agenda what is possible to do regarding water use.

Ms. Chavez said we will add it.

Ms. McDonald said she has some concerns about the new bill as well.

Mr. Pushard said we published a City of Sant Fe Water Conservation Timeline and asked that it to be sent out to all members. He would like an agenda item to update this. Having a white paper would be a good thing.

Ms. Pushard said we met at BDD for our last meeting. How about meeting at the Wastewater Treatment Plant next.

Everyone was good with that.

Ms. Randal Isaid regarding the conversation around billing, the new format of the bill has made it extremely hard to track and to figure out costs. It has tripled her data entry time. Also Santa Fe Public Schools is still clarified as residential. It is not. Her design team at the Public Schools was told that the EPA regulations do not allow us to keep roof water. A local plumbing contractor told her that.

Ms. McDonald said no, that is not right.

Ms. Randall said maybe we can get someone to come in and give us some education on that.

Ms. McDonald said you can invite folks to come make presentations.

## **15. MATTERS FROM THE CHAIR**

Chair Ives asked when will the audit be done

Ms. Chavez said when the GPCD is done.

Chair asked is the annual water report information being gathered and what is the timing on that.

Ms. Chavez said that is waiting on GPCD

Chair Ives asked what about the Long Range Water Supply Plan.

Ms. Chavez said it is being worked on currently. We are updating the contract now. We can have Bill update us.

Chair Ives said we need to include in the dashboard more specific time frames.

Ms. Chavez said we will update that.

**15. NEXT MEETING, TUESDAY, AUGUST 8, 2017**

**16. ADJOURN**

There being no further business before the Committee, the meeting adjourned at 6:15 pm.

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Councilor Peter Ives, Chair

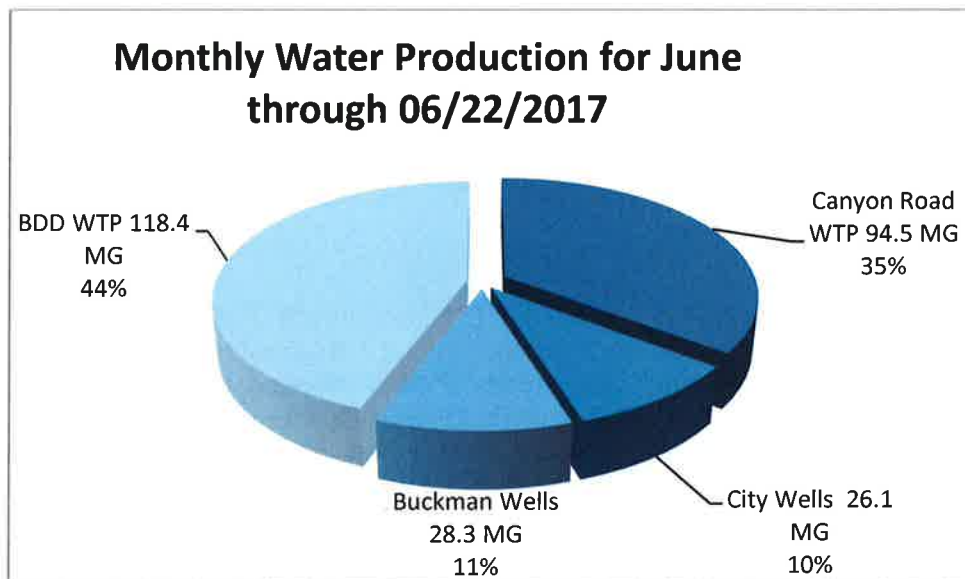


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Elizabeth Martin, Stenographer

**City of Santa Fe, Source of Supply Section  
Water Production Update - through June 22, 2017  
Public Utilities Committee Meeting  
July 5, 2017**

**Water Production for June (through 06/22/2017)**



**Total Production of System**

**Sum:** 196 MG for 22 days

**Daily Average Consumption:** 12.15 MGD (Highest Day 6/22/2016 at 14.01)

**Reservoir Storage Levels:**

**McClure:** 61.4% or 669.6 MG

**Nichols:** 72.2% or 155.5 MG

**Combined:** 63.2% or 825.1 MG

**Santa Fe River Flow**

**Below Nichols (Living River Flows):** 4.07 cubic feet per second (cfs) or 2.63 MGD

**Above McClure (Inflow to Reservoir):** 7.41 cubic feet per second (cfs) or 4.79 MGD;

**Baca Street Well**

The City met with the NMED Petroleum Storage Tank Bureau and the Ground Water Quality Bureau (GWQB) on June 12th to discuss PNM's initial investigation and findings, as well as future requirements for continued investigation and remediation of the site. The meeting resulted in new information regarding PSTB's interpretation of PNM's analytical data and their interpretation of apparent "source areas" at the site that will be targeted for remediation. The PSTB will ask for additional sampling from PNM to obtain information that will be needed to prepare a proposed initial remedial action plan for the site. The City also expressed additional concern about non-petroleum related contaminants at the site and other nearby wells, in the vicinity of the Baca Street Well, which were identified and/or sampled in the past but not required to be sampled by PNM during this initial

investigation phase of the PSTB corrective action. It was the City's position that these wells should be sampled again to more fully understand the nature and extent of any contaminant plume. As a result the City and NMED Ground Water Quality Bureau have agreed to cooperate on sampling additional wells before the end of our respective fiscal year(s) – June 30th.

### **Former Ortiz Landfill**

INTERA Corporation has started their investigations at the Ortiz Site with the installation of test pits during the week of June 12<sup>th</sup>. They will continue with soil column and waste borehole samples as well as vapor well installation during the week of June 26<sup>th</sup>. The vapor wells will be used to test for Specific volatile organic compounds since previous water samples indicated the presence of low-level concentrations of some chlorinated solvents such as perchlorethylene (PCE), also known as tetrachloroethylene.

### **Drought/Monsoon, Storage, and ESA Update**

NOAA has recently updated ENSO (El Nino/La Niña) status to: ENSO (El Nino Southern Oscillation) - neutral is favored (50 to ~55% chance) through the Northern Hemisphere through fall 2017. Regional reservoir levels on the Rio Grande and Chama Rivers are rising. Upper Santa Fe River reservoirs are reaching stable or slightly decreasing levels due to increased production at Canyon Road WTP during May and early June, decreasing inflows (runoff), and increased river releases below Nichols Reservoir. The City just received 100% delivery of full firm-yield of San Juan-Chama Project (SJCP) water. There are no water-related Endangered Species Act (ESA) updates. Updates on ESA issues will be made as needed. Rio Grande Compact Article VII storage restrictions are not in effect, which means the City will be allowed to impound "native" runoff into Nichols and McClure Reservoirs above the pre-Compact pool of 1,061 acre-feet (AF). Updates to this condition will be made as needed.

Most current City of Santa Fe SJCP Reservoir Storage:

Heron:

7,965 AF. 2016 deliveries were at about 95% of annual total.

El Vado:

0 AF.

Abiquiu:

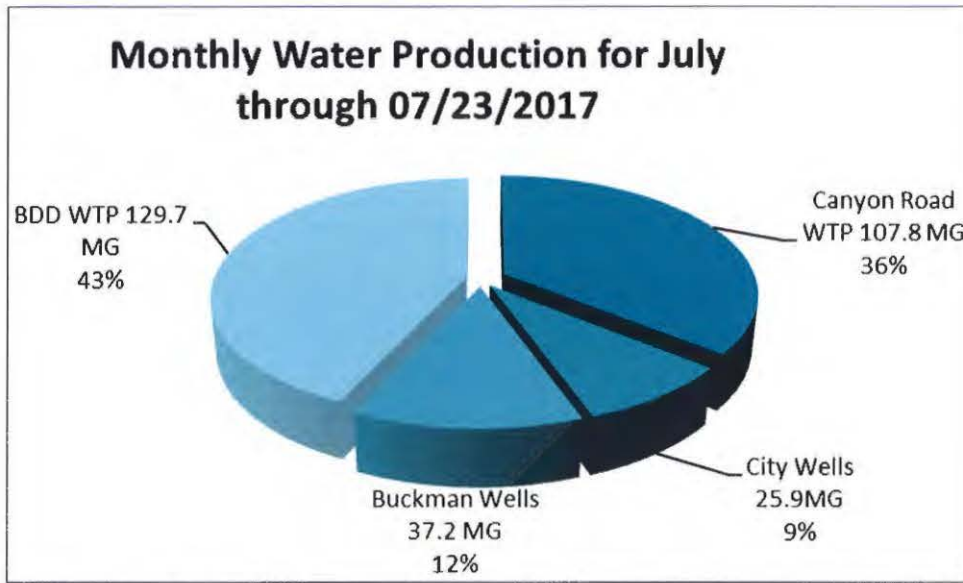
8,602 AF SJCP carry-over from previous years, no time limit to vacate due to storage agreement with ABCWUA

TOTAL:

16,567 AF

**City of Santa Fe, Source of Supply Section  
Water Production Update - through July 23, 2017  
Public Utilities Committee Meeting  
August 2, 2017**

**Water Production for July (through 07/23/2017)**



**Total Production of System**

**Sum: 280.6 million gallons (MG) for 23 days**

**Daily Average Consumption: 12.2 million gallons per day (MGD)**

**Reservoir Storage Levels:**

**McClure: 51.4% or 560.93 MG**

**Nichols: 63.52% or 136.9 MG**

**Combined: 53.43% or 697.83 MG**

**Santa Fe River Flow**

**Below Nichols (Living River Flows): 0.8 cubic feet per second or 0.52 MGD**

**Above McClure (Inflow to Reservoir): 3.36 cubic feet per second (cfs) or 1.81 MGD**

**Baca Street Well**

The City will meet with the NMED Petroleum Storage Tank Bureau and the Ground Water Quality Bureau (GWQB) again in August to further discuss the ongoing investigation and findings at this site. A date for that meeting has not yet been set.

**Former Ortiz Landfill**

INTERA Corporation has finished their field investigations at the former Ortiz Site with the installation of test pits and gas monitoring wells. Soil gas monitoring wells were sampled, and field work was completed, during the

week of July 10<sup>th</sup> through July 14<sup>th</sup>. Samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque for appropriate analyses, as requested by the New Mexico Environment Department. The City expects to receive field testing results and laboratory analyses in early August and will meet with INTERA at that time to discuss these results, as well as the need for further investigation or amendment of the City's original "Stage 1 Ground Water Abatement Plan" (aka, Site Investigation phase).

### **Drought/Monsoon, Storage, and ESA Update**

NOAA has recently (7/17/17) updated ENSO (El Nino/La Niña) status to: ENSO (El Nino Southern Oscillation) - neutral is favored (50 to ~55% chance) through the Northern Hemisphere through winter 2017-2018. Regional reservoir levels on the Rio Grande and Chama Rivers are rising. Upper Santa Fe River reservoirs are experiencing inflow, although at a much lower rate, but reservoir levels are basically static due to matching outflows for irrigation and Living River flows. The City has received 100% delivery of full firm-yield of San Juan-Chama Project (SJCP) water. There are no water-related Endangered Species Act (ESA) updates. Updates on ESA issues will be made as needed. Rio Grande Compact Article VII storage restrictions are not in effect, which means the City will be allowed to impound "native" runoff into Nichols and McClure Reservoirs above the pre-Compact pool of 1,061 acre-feet (AF). Rio Grande Compact status regarding Article VII is expected to change soon. Updates to this condition will be made as needed.

Most current City of Santa Fe SJCP Reservoir Storage:

Heron:

10,209 AF. 2016 deliveries were at about 95% of annual total.

El Vado:

0 AF.

Abiquiu:

7,858 AF SJCP carry-over from previous years, no time limit to vacate due to storage agreement with ABCWUA

TOTAL:

18,067 AF





# Water Conservation Office

## Monthly Overview of Scorecard Progress – July 2017



### Education Outreach:

#### Education Initiative:

- Activity development with program partners and high school volunteers
- Children's Water Fiesta planning/Education Program integration
- Summer program – Wastewater Treatment Plant tour rescheduled

#### General Outreach:

- Bag Sponsor for the International Folk Art Market
- Southside Farmer's Market on 7/25
- Signage requests filled: 107 general, 14 restaurant, 49 hotel/motel, 170 signs total



### Communication and Customer Service:

#### EyeOn Water Rollout:

- 2,413 users have signed up as of 7/19/2017

#### Indoor Water Audits:

#### Enforcement Activity:

7/5 – Warning: Time of day watering with a sprinkler

7/10 – Warning: Malfunctioning air conditioner

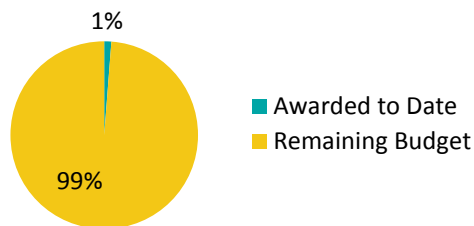
7/10 - Warning: Fugitive water going into street from backdoor

7/10 – Warning: Time of day watering with oscillating sprinkler

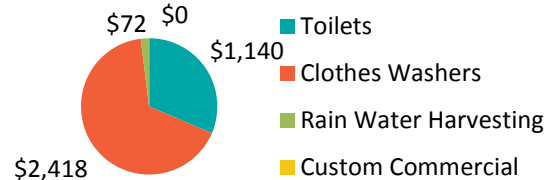
#### Residential and Commercial Rebates:

New Fiscal Year began July 1. Remaining fund balance as of July 19, 2017: \$296,370

#### Rebate Fund



#### Rebate Amounts per Device Type



#### Rebates awarded FY-to-date:

- HET (all types) 20
- Clothes Washers (all types) 9
- Rain Water Harvesting (including rain barrels) 6
- Custom Commercial 0

**Strategic Marketing Plan:**

- Radio Show Guests (BDD, Customer Service, Alex Puglisi, Rich Schrader)
- Contract renewal (approved at Council on June 28, 2017)
- Strategic planning for FY18/19 calendar timeline
- News media vendor meetings
- On-going social media
- Developing ad placement strategy
- Story pitch on featuring top water savers including motivation and practical steps

**Effective Program Management****Organizational Development:**

- Re-advertisement for the Water Conservation Enforcement Officer was posted on 7/10/2017. Job posting closes on 7/21/2017.
- Lisa Noriega and Patricio Pacheco QWEL certified
- Attending weekly customer service meetings and working on coordinating efforts

**Water Conservation Committee:**

- New subcommittee work being established for commercial sector

**Integration with Water Resources:**

- GPCD work being continued with Utility Billing and ITT
- AWWA audit is in progress (pending GPCD calculations)
- Annual Water Report information is being gathered (pending GPCD calculations)
- Caryn Grosse assisting with the Long Range Water Supply Plan

**Stewardship and Conservation:****Regional Collaborations:**

- EyeOn Water Article in the Treatment Plant Operator Magazine
- Article on EyeOn Water App being developed for Water World magazine

Program	Status	Key Performance Indicators for 2017	Staff Comments	SFWCC Comments	no progress	some progress	significant progress	complete
<b>Goal: Education Outreach</b>								
Education Initiative <i>A collaboration of several city entities to educate 4th grade students on where our water comes from, how it is treated, where wastewater goes and how it is treated and recycled, and how recycling and energy play a role</i>	New Program being developed for 2017-2018 school year	<ul style="list-style-type: none"> <li>• 20 classes participating</li> <li>• Partner with other organizations for outreach in elementary and secondary grades</li> </ul>						
Children's Water Fiesta <i>A long-standing program which will be expanded and incorporated into the Education Initiative, above</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Increase attendance from 650 to 850 students</li> <li>• Develop additional activities, including peer-to-peer activities presented by high school students</li> </ul>						
Children's Poster Contest <i>A long-standing program, which will be expanded and aligned with the Education Initiative, above</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Educational messaging developed prior to contest</li> <li>• Link to Education Initiative outreach in schools</li> </ul>						
Qualified Water Efficient Landscaper (QWEL) Training <i>A WaterSense certified training program for professional landscapers to encourage outdoor water efficiency</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Transition program to SFCC</li> <li>• Expand to include grey water</li> <li>• All WCO staff certified</li> </ul>						
Community Workshops/QWEL Lite <i>Workshops and other outreach events for customers on outdoor water efficiency</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Sponsor or conduct 5 sessions (April-September)</li> <li>• Bring in at least 2 speakers</li> <li>• Provide grey water training to public</li> </ul>						
Master Gardeners <i>Collaboration with the Master Gardeners program to educate and encourage outdoor water efficiency</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Present as part of 2017 series</li> <li>• Work with volunteers on parts of our program</li> </ul>						

**Goal: Communications and Customer Service**

Eye On Water Rollout <i>An app for smartphones and home computers which allows customers to see their water use and set alerts for leaks and overuse</i>	New Program	<ul style="list-style-type: none"><li>• 10% of customer base participating by end of CY 2017</li></ul>						
Indoor and Outdoor Water Audits <i>Audits provided by Water Conservation Office, as well as information for customers who prefer DIY projects</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Self-audit program</li><li>• Do-it-yourself drip irrigation guide</li><li>• Greywater guide</li></ul>						
Outdoor Rebates <i>Rebates and incentives to encourage the use of water-efficient landscaping and irrigation equipment</i>	New Program	<ul style="list-style-type: none"><li>• Irrigation equipment rebate</li><li>• Rain water harvesting rebate</li><li>• Greywater rebate</li></ul>						
Residential and Commercial Rebates <i>Rebates and incentives to encourage the use of water-efficient fixtures and appliances</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Increase residential participation by 20%</li><li>• 8 commercial applications for FY 2017</li></ul>						
Enforcement Program <i>Increase enforcement activities, including educational visits for first-time violations</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Respond to Water Waste Hotline Calls</li><li>• Educational programs for high water season</li></ul>						
Strategic Marketing Plan (SMP) <i>Plan developed by PR consultant for coordination of outreach and marketing efforts. Creates a more consistent message and brand</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Meet 90% of goals within SMP as coordinated by consultant</li><li>• Align with conservation programing for FY 2017</li></ul>						

**Goal: Effective Program Management**

Human Resources <i>Fully staff Water Conservation Office to be able to accomplish all other programs</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Fully Staffed by June 2017</li><li>• Enforcement Officer position staffed by May 2017</li></ul>						
Financial Resources and Budget <i>Utilize resources to accomplish goals and programs</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Submit Conservation Budge by February 2017</li><li>• Track Budget for FY 2017</li></ul>						
Organizational Development <i>Develop staff knowledge and skills to accomplish program goals</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Staff cross-trained on all programs</li><li>• All staff badged for enforcement</li><li>• All staff certified as relevant to program (QWEL, WERS, CLIA, ARCSA, Backflow, etc)</li></ul>						
Water Conservation Committee <i>Utilize skills and knowledge of committee to further refine programmatic goals</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Fill open Committee positions</li><li>• Align Committee and subcommittee work with Water Conservation Office</li></ul>						
Integration with Water Resources <i>Collaborate to develop comprehensive planning</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Long Range Water Supply Plan</li><li>• Water Reuse Plan and outreach</li><li>• AWWA Audit</li><li>• GPCD</li><li>• Annual Water Report</li></ul>						

Goal: Stewardship and Conservation

Regional Collaborations <i>Collaborate with other municipalities and utilities</i>	Ongoing Program	<ul style="list-style-type: none"><li>• NMWCA board representation</li><li>• State Water Planning Initiatives</li></ul>						
GPCD Analysis <i>Greater understanding of water use within the City, State and Region</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Complete 2017 GPCD calculations on quarterly basis</li><li>• Annual comparison with other Southwestern cities</li><li>• Program adaptation</li></ul>						
AWWA Audit <i>Greater understanding of water system and potential for losses of water and revenue</i>	Ongoing Program	<ul style="list-style-type: none"><li>• Incorporate 2016 results into conservation programming</li></ul>						