



# Agenda

**SANTA FE WATER CONSERVATION COMMITTEE MEETING  
CITY HALL – 200 LINCOLN AVE.  
CITY COUNCILOR'S CONFERENCE ROOM**

December 11, 2018  
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 NOVEMBER 13, 2018 MEETING

**CONSENT AGENDA:**

6. WATER CONSERVATION PROGRAM SCORECARD UPDATE FOR NOVEMBER 2018 (Christine Chavez, Water Conservation Manager, [cychavez@santafenm.gov](mailto:cychavez@santafenm.gov), 955-4219)
7. UPDATE ON CURRENT WATER SUPPLY STATUS (Christine Chavez, Water Conservation Manager, [cychavez@santafenm.gov](mailto:cychavez@santafenm.gov), 955-4219))

**INFORMATIONAL ITEMS:**

8. 2019 Water Conservation Scorecard (Christine Chavez, Water Conservation Manager, [cychavez@santafenm.gov](mailto:cychavez@santafenm.gov), 955-4219)
9. 2019 Speaker Schedule for Water Conservation Committee Meetings (Christine Chavez, Water Conservation Manager, [cychavez@santafenm.gov](mailto:cychavez@santafenm.gov), 955-4219)

**ACTION ITEMS:**

10. WORKPLANS TO WATER CONSERVATION SUBCOMMITTEE GROUPS (Christine Chavez, Water Conservation Manager, [cychavez@santafenm.gov](mailto:cychavez@santafenm.gov), 955-4219)

**MATTERS FROM PUBLIC:**

**MATTERS FROM STAFF:**

**MATTERS FROM COMMITTEE:**

**NEXT MEETING – (Councilor's Conference Room):** TUESDAY, January 8, 2018

**CAPTIONS:** due by 3:00 pm, FRIDAY December 21, 2018

**PACKET MATERIAL:** due by 3:00 pm, Wednesday, December 26, 2018

**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.

RECEIVED AT THE CITY CLERK'S OFFICE

DATE: 12/04/2018

TIME: 4:19 PM

**SANTA FE WATER CONSERVATION COMMITTEE MEETING  
CITY HALL - 200 LINCOLN AVENUE  
CITY COUNCILOR'S CONFERENCE ROOM  
DECEMBER 11, 2018, 4:00 PM**

**1. CALL TO ORDER**

The meeting of the Santa Fe Water Conservation Committee was called to order at 4:00 pm by Councilor Romero-Wirth, Chair, on Tuesday, December 11, 2018, at City Hall, the City Councilor's Conference Room, Santa Fe, New Mexico.

**2. ROLL CALL**

**MEMBERS PRESENT**

Councilor Carol Romero-Wirth, Chair  
Tim Michael  
Scott Bunton  
Doug Pushard  
Lisa Randall  
Ken Kirk  
Stephen K. Wiman  
Stephen Schmelling  
David Carlson  
Robert Coombe  
Bill Roth

**MEMBERS ABSENT**

**OTHERS PRESENT**

Christine Chavez, City of Santa Fe, Water Conservation Manager  
Kathryn Mortimer, City of Santa Fe, Long Range Planning  
Andy Otto, Santa Fe Watershed  
Mario Torres, City of Santa Fe, Water Conservation  
Patricio Pacheco, City of Santa Fe, Water Conservation  
Andrew Erdmann, City of Santa Fe, Water Conservation  
Rick Carpenter, Director, City of Santa Fe, Water Department  
Janet McVickar Santa Fe Watershed  
Elizabeth Martin, Stenographer

**3. APPROVAL OF AGENDA**

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

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

**4. APPROVAL OF CONSENT**

Chair Romero-Wirth pulled item 7 from consent for discussion.

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

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

**5. APPROVAL OF MINUTES  
NOVEMBER 13, 2018**

Approval of the minutes was postponed until the members have a chance to read them.

Chair Romero-Wirth welcomed Andrew Erdmann to the Water Conservation Department. She also welcomed the two new Committee members, Steven Schmelling and David Carlson.

**CONSENT AGENDA**

**6. WATER CONSERVATION PROGRAM SCORECARD UPDATE FOR  
NOVEMBER 2018**

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

The current water supply status report is included in the meeting packet.

Mr. Erdmann reviewed the report.

Mr. Erdmann said he also wanted to update the Committee on a recent development where the Water Department has been informed by the State Environment Department of a dry cleaning fluid spill that has been discovered.

Mr. Roth asked what is happening with the Espanola spill.

Mr. Erdmann said that area has been declared a Critical Management Area by the State Engineer. Beyond that he is unaware of what is happening there.

Mr. Wiman asked is that the same type of dry cleaning contaminant that is under the Natural History Museum.

Mr. Erdmann said yes it is.

Mr. Coombe asked is it in the soil.

Mr. Erdmann said it is in the soil pretty deep.

Mr. Coombe asked does the remediation involve removing the soil.

Mr. Erdmann said we just found out. We have not taken that on aggressively yet.

Chair Romero-Wirth asked what are we doing to ask the new administration's Environment Department Secretary to focus on this. Would it be wise for the City, at some level, to write to the new Cabinet Secretary when selected and put them on notice that we are aware of problem and would like it to be a priority.

Mr. Erdmann said we have been working with staff at the Environment Department. It would be beneficial to increase awareness.

Chair Romero-Wirth said she suggests that she talk to the Mayor about this and we do something to highlight our knowledge and concern about this to the new administration to get it on someone's priority to do list.

Mr. Wiman said the spill under the History Museum was EPA monitored, but it was very lax. Heightening the awareness is really what we need to do.

Chair Romero-Wirth said when we have a not good year and we have to go to our wells they need to be usable. We need to protect the integrity of them. We need to get in front of this now.

Chair Romero-Wirth said she will talk to the Mayor on this.

Mr. Otto said there have been stories about blue green algae plumes. What kind of algae do we have.

Mr. Erdmann said we have not sampled yet, but they are green long strands. They are the same as we always get. We will be testing it in May.

Mr. Pacheco said his well in Santa Clara Pueblo goes toward the river and is one of the monitored wells. The Environment Department monitors this and eleven others in that area. We are in the Española area.

## **INFORMATIONAL ITEMS**

### **8. 2019 WATER CONSERVATION SCORECARD**

Ms. Chavez handed out information on the scorecard for 2018 and the additional items for 2019. These items are incorporated herewith into these minutes as Exhibit "1",

Ms. Chavez said Mr. Erdmann has helped her on this scorecard. Thank you for your responses as Committee members. Doug and Steven Schmelling did meet with us. You have the 2018 scorecard that is graded and the 2019 scorecard that are the additions for this next year.

Mr. Schmelling said we met yesterday morning. We went through the 2018 scorecard. It was helpful for him in terms of understanding what the water Conservation Office does. We talked about each item. He reviewed the handouts.

Chair Romero-Wirth asked 2018 is not carrying over into 2019, or is it.

Ms. Chavez said it is.

Chair Romero-Wirth said so 2019 is a continuation of 2018 plus additional 2019 items. Do you want to address how the Sustainability Plan is incorporated into this scorecard.

Ms. Chavez thanked Doug and Steven for sitting down with them. She hopes everyone realizes how important this scorecard is to us. It is a lot of detailed work. When she started we did not have anything like this. We did not have goals. We could not report on our programs. Now this is a very valuable tool for us. This is how she manages her program and her staff. This is how she allocates budget. It plays a big part in how we function on a day to day basis. She thanked the Committee for their help. This is presented to PUC monthly as well.

Ms. Chavez said we are going to collect feedback today and in January we will have the finalized copy of this and it will be an action item for the Committee.

Ms. Chavez reviewed the 2018 scorecard regarding items that need to be worked on as follows:

- The Children's Water Fiesta was a success but we still need a measurement tool.
- We need to get Mario and Patricio the training suggested. The Santa Fe Community College did not offer it this year.

- EyeOnWater. We did not meet our sign up goals. We have some ideas to increase the number.

Mr. Roth said we have the avenue of new homes and WERS. We could get people signed up at that point.

Ms. Mortimer said we often don't know who the owner is going to be.

Mr. Roth said there are cases where we do know. If it is pre sold we can make it a requirement to get signed up.

Ms. Mortimer said we have the homeowners manual. She is not sure if we have EyeOnWater in there. We can amend it and put that up front.

Mr. Roth said there could be a check box on the WERS form.

Ms. Chavez said there is a process for that. They have to agree and opt in. We do have a goal set and she thinks we will get there. We have a strategy.

Mr. Coombe said it seems to him that participation rate keeps going up and you may get to 20%. Do we have any information on the actual usage of the app.

Ms. Chavez said at the water conference we went to that was discussed. There is data out there now. We are still working on extracting that.

Mr. Coombe asked who has the data on usage.

Ms. Chavez said it comes out of Badger. There is a way to do it and we need to work on that. With most of the people Patricio is working with he signs them up. That is significant.

Mr. Kirk said we are putting in EyeOnWater in Las Companas. We have an abatement program. They can apply for that once every five years. Once EyeOnWater is in place we are going to eliminate the abatement.

Ms. Randall said she received notification from Eldorado that they are installing smart meters. Is there accompanying software.

Mr. Pushard said they are doing Badger out there so it should be the same. They are the same meters as we are installing and they are installing in Las Companas. He is not sure if they are using the same software.

Mr. Bunton said just as a baseline it seems in any incentive program it ought to be a requirement where money is changing hands.

Ms. Chavez said we need to brainstorm this. We could have a subcommittee to discuss this.

Mr. Pushard said when we first set this goal it was high and we did not make it last year and think we will not make it this year. Getting to 20% is hard. It is really the use of the app we care about. It is the setting of the alert that would be a success. That is the most critical part.

Chair Romero-Wirth said we need to underscore, as we get into dryer times, the importance of this. Has this app been in front of PUC to raise the awareness. As Councilors if we are more conversant in this we have opportunity to underscore it. We have to up our game to reach the goals.

Mr. Roth said because we have gathered all this data it would be good to use the database and look at usage to help us with the WERS update.

Ms. Mortimer said if we could look at the ones with WERS scores and look at their annual data and compare it to those numbers we could see if what we are predicting the amount of water usage or savings is what we would expect. It would be an interesting thing to do.

Ms. Roth said having this kind of data we could say we have a couple of years of data and it is working. That is an incredible sales tool to get people to use it. It may turn out that it is not working.

Ms. Chavez said she saw hard data at Water Smart. We are not sure if our system is capable of that analysis. We are still working with the data. We have not reconciled all our data. There are lots of opportunities. She chooses to keep that goal high. We will try everything we can to reach it.

Chair Romero-Wirth said put this on our next agenda and we will focus on it.

- Our rebate applications are declining. We need to look at that. There is a lot of work to do there.
- On enforcement we need to figure out what we do in the winter with our customers. There is some development to do there.
- The continuous flow project is a complete success.
- On organizational development, we have had tons of training opportunities. We will have more next year to involve staff in.
- We need to look into what we need if we want to pursue a self audit program.

- Strategic marketing plan. Councilor Romero-Wirth has brought to us how we need to continue to message when we are in a good place so we stay in a good place and we are ready when we are not.

Ms. Chavez thanked the staff and said she is happy with all we were able to accomplish. Patricio and Mario kept everything going. Now we have Andrew. He will talk about the 2019 additions.

Mr. Erdmann reviewed that 2019 document.

Mr. Erdmann informed the Committee that he left out Sustainability Plan part by accident.

Chair Romero-Wirth asked that he send out a new one.

Mr. Erdmann said that he will.

Mr. Erdmann explained the former residents program.

Mr. Coombe asked how many people are we talking about for the former residents program. How many are there.

Mr. Erdmann said about 1,000 people a year.

Mr. Erdmann discussed the poster contest.

Chair Romero-Wirth said we could use EyeOnWater as a subject for the poster contest.

Ms. Mortimer said we have in the neighborhood of two hundred to three hundred new homes a year.

Mr. Coombe said it would be nice to have information on who has the water account for renters. The owner or renter.

Mr. Pushard said on the short term rentals, we require our lodging to have signage, we don't have the same requirement on short term rentals. It would be an easy thing for us to adopt a Resolution and include Eye on Water. There are water conservation strategies for us to do.

Chair Romero-Wirth said there is an article in the paper today that says construction permits are up. There is an opportunity there.

Mr. Roth said along those lines there might be somewhere in the neighborhood of three hundred new permits, but there are lots and lots of remodeling ones. If there is a



kitchen and bath remodel all of these things could be an avenue.

Mr. Erdmann said that is a great point. Both of those groups have to go through the water bank if they are going to do a project.

Mr. Roth said we need to look into the threshold for remodels. It is an opportunity to hand out information.

Ms. Mortimer said things we hand out as part of their permit, they don't see it or look at it.

Mr. Erdmann said we are looking at doing a newsletter with tips for water users.

Chair Romero-Wirth said the Constituent Services people are rolling out newsletters by district. We should look for ways to integrate newsletters.

Mr. Carpenter said he just received an email from the Bureau of Reclamation stating that in a December notice it was stated that we received zero water from the Chama/San Juan Water Project. We did have a good spring at 89%. We are not going to get any more this year. It is the worst it has ever been in the history of the project. We do have 15,000 acre feet in storage. That is three years worth of water.

Mr. Roth said one thing for a goal, do we want to qualify our success on joint planning with the County.

Ms. Chavez said that not completely in our control. It is hard to make a program goal if it is not in our control. This is at a program level.

Chair Romero-Wirth said she would like to talk about that as a part of the Committee's work plan.

Ms. Chavez said regarding the Sustainability Plan we reviewed the strategies and goals that involved us and we have in place or are working on all of them except the Neighborhood Pilot Project. They want to do two of those and that is in the goals of Plan. It is about neighborhood design. We are going to work on doing that.

Ms. Chavez said we know it is something they identified for us, but we want this Committee and staff to vet that project and see how it works for us. It is a goal they set out, but how we get there is this Committee's decision. The other things they charged us with are in progress.

Chair Romero-Wirth said at the last meeting we talked about the Plan and concerns around its content. She wants them to know we voted on and she and Scott worked on a letter for Council. After further conversation with Shirlene, Beth Beloff and Doug she did not end up presenting that letter at Council. We did send the discussion

paper to Beth and Shirlene. Their sense of things is this Plan is evolving and what was passed by Council is not the last word on it. It will be fluid.

Mr. Roth said regarding the Neighborhood Pilot Program. We have an eighty two unit neighborhood proposed to be built on Agua Fria and that would be a great thing to approach the developer about. The grading and drainage and stormwater plan need to do something creative with this.

Ms. Brock said we need to create a subcommittee to look at that initiative and what project would be best for us.

Mr. Mortimer said the municipal stormwater (M S4) permit plan that Melessia McDonald is working on a lot speaks to the implementation to that. It has a stormwater focus. That should be a requirement Citywide. That permit is requiring us to go further than we ever have. That idea is great. She would be happy to be involved and get others involved.

Mr. Coombe asked is there a formal definition of a neighborhood. Is it defined by the existence of an HOA. It seems to him that there is a lot of complexity.

Chair Romero-Wirth said there is a lot of complexity. We are in the process of hiring the Mayor's new neighborhood person. It seems like an opportunity to loop that person in.

Ms. Chavez said with the development of any new program this would be a pilot exploring all options.

Mr. Coombe said his point is a lot rides on the choice of the neighborhood.

Chair Romero-Wirth said you may have to pick more than one kind.

Ms. Chavez said thank you everyone. That was great.

## **9. 2019 SPEAKER SCHEDULE FOR WATER CONSERVATION COMMITTEE MEETINGS**

Ms. Chavez said if you have any ideas for speakers let her know.

Chair Romero-Wirth asked that everyone copy her on those too. She is going to vet some of that.

## **ACTION ITEMS**

## **10. WORK PLANS TO WATER CONSERVATION SUBCOMMITTEE GROUPS**

Chair Romero-Wirth said we sort of identified some areas a couple of meetings back. Lets start with that.

Ms. Chavez said we narrowed it down to a couple of groups of interest, but we did not vote on them. Most of those are outdated now. There is something that is immediate to work on.

Ms. Chavez said she is referring to our Five Year Conservation Plan. After the joint meeting we thought that might be a great place to start coordination with the County in the near term. It is not regionalization. We also decided to work with Corrello who is same contractor for other studies we have done so they will all be connected and feeding each other like Bill's presentation. We want to make sure our plan gets in there as well. We are working on a contract amendment with Corrello to work with us on that. There will be a lot of public input.

Ms. Chavez said we talked about focused public input sessions in the past. We wanted to put all the pressing issues out at the front of the plan and hold a one day water forum with experts to speak with the public about issues. With public input we will focus in on these bigger issues. It will be a consensus building approach. This is a way to introduce this. In February we will hold a forum and bring people in to educate them on City water issues. She wanted to see what you thought of this to kick off the Five Year Water Conservation Plan.

Ms. Chavez passed out a listing of issues and questions that Mr. Wiman put together. This list is attached herewith to these minutes as Exhibit "2".

Mr. Wiman said it is really a stream of consciencness listing here. It will raise some real issues. It is important to have public input. He thinks we could have a big turnout for this. It has to be an all day event. It has to be free and on the weekend so people can come. A lot of this is work that has been done. The community has gotten complacent. They feel we have water for the future. This can be a positive event.

Mr. Roth asked how do you see this structured.

Ms. Chavez said she sees it as modules with different people addressing each module. A subcommittee will need to discuss this. We will partner with the Santa Fe Watershed Association and Andy and he will help promote this to his followers. This will be held so the public are more knowledgeable when they come to the public input sessions.

Mr. Roth said we could reach out to other constituents like Chainbreakers to get a wider group of people in there.

Chair Romero-Wirth said this is too much for one day. She wonders about the Water Summit, our newly constructed City/County working group and then we add this on top of that. Do we have the bandwidth and are we compromising one focus for another as we move forward.

Mr. Roth said we could make this part of the Summit.

Ms. Chavez said the Summit is in June. She would like to have this completed before that. She doesn't know how to integrate the County. We won't move forward if it is City/County.

Chair Romero-Wirth said we are going to have a lot going on. What is the rush in doing this.

Mr. Pushard asked what you are trying to get done is the Five Year Plan by June. Why.

Ms. Chavez said it is due in 2020. If it is done in June, it would go through the Committee process in the fall and we would be allocating a budget for it in the following February. It is a timing issue. We are behind already.

Mr. Pushard said on the Five Year Plan it is a requirement for the Water Trust Board funding if we want anything from there. That deadline is January 1, 2020.

Ms. Chavez said it will be completed by then.

Mr. Pushard said we did not get the 2015 one done in 2015.

Ms. Chavez said it was implemented.

Chair Romero-Wirth said she suggests that June is not a doable time frame. She suggests we look more to August or September and go through Committees in October and November. She thinks that with both the Water Summit and the City/County Committee it is too much to do by June.

Mr. Schmelling asked do you have an outline of what would be in the plan. Maybe that would make it more focused.

Ms. Chavez said Stephen spent the time on what the structure would be. Now it is subcommittee work.

Chair Romero-Wirth said she does not don't think it can be done by February.

Ms. Chavez said she thinks we can do a plan for the education meeting and bring it to the Committee in January.

Chair Romero-Wirth said our meeting is on January 8<sup>th</sup> and you have the holidays. Sorry, but she thinks you need to give on this a bit. She wants us to be successful with this, but we need at least two full months lead time. She feels strongly about this.

There was a discussion regarding the time line for this project including those in favor of a February date for the public education session and those who thought that was not doable in a quality fashion.

A time line was not agreed upon. The subcommittee will formulate a plan for the public education meeting and bring it to the January meeting for discussion and possible approval.

Chair Romero-Wirth said this is one of the subcommittee areas. Right now, from our discussion last month, we listed drought guidelines, expanding the commercial program and others.

Ms. Chavez said those four we have already addressed.

Chair Romero-Wirth said so right now we have one working group we are talking about.

Mr. Bunton left the meeting.

Ms. Chavez said the other is the commercial programs to reduce GPCD.

Mr. Roth said he is confused. The four areas we talked about were captured in the scorecard you said. How are we to give additional input into those. Are you saying in the future you need no additional input in those areas.

Chair Romero-Wirth asked does the neighborhood program need a subcommittee.

Mr. Roth said what about initiatives in the building community.

Ms. Chavez said we have addressed all of those four. Another one could be looking at the drought guidelines and the messaging needed.

Chair Romero-Wirth said she hears you saying a lot of these things will be done at a staff level and you don't want Committee input on those things.

Mr. Roth said he agrees, except for the Five Year Plan.

Chair Romero-Wirth asked Mr. Roth if he had a topic he would like to have a

subcommittee around.

Mr. Roth said rebates are great, but they do not address structural areas and water conservation issues in the environment. The larger scale issues such as at a code level, changing the code and those kinds of things.

Chair Romero-Wirth said maybe we break up the Five Year Plan into subcommittees.

Mr. Roth said yes. He is not seeing that in the scorecard. He does not see where his input would be or why he is even sitting here. It is frustrating.

Ms. Chavez said the scorecard is meant to guide the Committee's work. She is trying to put things out there that have developed since we last talked.

Mr. Wiman said the subcommittee could address issues leading up to the Five Year Plan then transition into working on the Five Year Plan.

Chair Romero-Wirth said that is one subcommittee. What others.

Ms. Chavez said the drought guidelines. Looking at how those are triggered so we understand it and how messaging is timed appropriately.

Chair Romero-Wirth said she would like to set that and one that has been on the sheet from a long time ago. Identifying other water supplies which also feeds into the Five Year Plan. We have to establish the work plan tonight. Other ideas.

Mr. Pushard asked what have we agreed to be on the list of subcommittees.

Chair Romero-Wirth said the only thing right now is the Five Year Water Conservation Plan. Drought guidelines was just thrown out.

Mr. Pushard said he thought we were going to have a commercial subcommittee. Bill's idea of what are possible water conservation in the building community is one that has to be looked at since we instituted WERS protocol.

Mr. Roth said yes, the big picture that looks at everything.

Mr. Coombe said align with the subcommittee with the greatest opportunity. The objective is a GPCD of 85. We need to be pitching subgroups where we have the greatest opportunity to achieve water savings. He thinks that makes sense. It is wise to have a Five Year Plan and a commercial subcommittee and a building environment subcommittee.

Chair Romero-Wirth said so we have the Five Year Water Conservation Plan, the

Industrial Commercial and Institutional (IC) sector - reducing the GPCD in that area, water conservation in the building area and the drought restriction plan.

Mr. Schmelling said he liked the idea of identifying other water supplies. Maybe incorporate that into the Five Year Plan.

Chair Romero-Wirth said yes and we talked about that with the City/County group. We will hit it there.

Chair Romero-Wirth asked are we in agreement with the four subcommittees.

Ms. Chavez said some may be quick, but she is ready to be aggressive about it.

**MOTION** A motion was made by Mr. Pushard, seconded by Mr. Roth, to approve the four subcommittees.

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

Chair Romero-Wirth said she would like volunteers to serve on each subcommittee. The volunteer members for each subcommittee were as follows:

**Five Year Plan:** Mr. Schmelling, Mr. Coombe, Mr. Kirk, Mr. Michael and Mr. Wiman.

**Commercial:** Mr. Pushard, Mr. Coombe, Mr. Roth and Mr. Carlson.

**Drought guidelines:** Mr. Wiman, Chair Romero-Wirth and Mr. Carlson.

**Water conservation in the building environment:** Mr. Pushard, Mr. Carlson, Mr. Michael, Ms. Randall and Mr. Roth.

Chair Romero-Wirth said she will probably be involved in all the subcommittees.

Chair Romero-Wirth said thank you everyone. She feels like because of the change in Chairmanship and staff changes we took awhile to get here, but it is all going to be great.

#### **11. MATTERS FROM THE PUBLIC**

None.

#### **12. MATTERS FROM STAFF**

None.

### 13. MATTERS FROM THE COMMITTEE

Ms. Randall said she appreciates the leadership of the Councilor. There is a new Facilities Manager at the state. You may want to talk with her about water. Her name is Erica Velarde

Mr. Pushard said he sent out an article and it is in the packet. Read it. It is on tourism. An average tourist in Santa Fe uses 264 gallons of water a day. We need to think about water conservation in a broader direct way. In the indirect measure it is 2,300 gallons. You combine the two for a total.

Chair Romero-Wirth asked so food is indirect.

Mr. Pushard said yes, food is the biggest thing. This could be for the commercial subcommittee. Collect data on indirect.

Mr. Pushard said the other thing is the sewer lines and flushing. There was a study that said blockages are due to lack of repairs as opposed to sewage. That is what they are finding.


Chair Romero-Wirth said we are going to have Kathryn come back on that.

### 14. NEXT MEETING JANUARY 8, 2018

### 15. ADJOURN

There being no further business before the Committee the meeting adjourned at 6:10 pm.

Lisa Randall for Councilor Carol Romero-Wirth  
Councilor Carol Romero-Wirth, Chair

  
Elizabeth Martin, Stenographer





Program	Status	Key Performance Indicators for 2018	Accomplishments	no progress	significant progress
<b>Goal: Education Outreach</b>					
Education Initiative (Passport Program) <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>	Ongoing Program	<ul style="list-style-type: none"> <li>• 15 classes participating</li> <li>• More robust assessment</li> <li>• Transition from Common Core to Next Gen Science Standards</li> <li>• Add poster contest component</li> </ul>	<ul style="list-style-type: none"> <li>• Goal met</li> <li>• 63% increase in knowledge between pre- and post-test</li> <li>• Aligned with Next Generation Math &amp; Science goals</li> </ul>	✓	✓
Expand Passport Program to 5th Grade	New Program	<ul style="list-style-type: none"> <li>• Encourage/track participation of Passport Program students</li> </ul>	<ul style="list-style-type: none"> <li>• Mission Accomplished</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>• Obtain greater feedback/assessment from teachers</li> <li>• Develop tie-in activity</li> <li>• Develop additional presentation activities, including improvement of peer-to-peer activities presented by high school students</li> </ul>	<ul style="list-style-type: none"> <li>• Attendance goal met</li> <li>• Improved feedback process goal met</li> <li>• Still Working on the Tie-in Activity</li> <li>• Successful peer-to-peer process</li> <li>• Next year's goals = performance and measurement instead of attendance</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 gray water</li> <li>• All WCO staff certified</li> </ul>	<ul style="list-style-type: none"> <li>• Andrew and Mario need certification</li> <li>• Some steps taken to improve organization</li> </ul>	✓	✓
Public Outreach	Ongoing Program	<ul style="list-style-type: none"> <li>• Table events</li> <li>• Partner with other events to do presentations</li> <li>• Sponsor events that align with program</li> </ul>	<ul style="list-style-type: none"> <li>• Extremely successful partnerships established</li> <li>• Tabling at others' events yields a more diverse audience</li> <li>• Example 1: Jeremiah Kidd railyard workshop</li> <li>• Example 2: Agua Fria nursery MG fair</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>	<ul style="list-style-type: none"> <li>• EXCELLENT – beyond expectations</li> <li>• Good partnership opportunities, large volunteer presence has resulted in on the ground projects (sample garden, cactus garden, etc.)</li> </ul>	✓	✓

Program	Status	Key Performance Indicators for 2018	Accomplishments	no progress	significant progress
<b>Goal: Communications and Customer Service</b>					
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>	Ongoing Program	<ul style="list-style-type: none"> <li>• 20% of customer base signed up</li> </ul>	<ul style="list-style-type: none"> <li>• Goal not met</li> <li>• Planning to reach out to tier 2 customers to increase enrollment</li> <li>• Planning to reach out to city employees to increase enrollment</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>• Roll out irrigation equipment rebate</li> <li>• Roll out additional rain water harvesting rebate</li> <li>• Roll out graywater rebate</li> <li>• Look at nonpotable conservation fee and incentives</li> </ul>	<ul style="list-style-type: none"> <li>• Irrigation rebate rollout done</li> <li>• Rainwater harvesting rollout done</li> <li>• Graywater rebate done</li> <li>• Non-potable conservation fee and incentives still being evaluated per MRC</li> </ul>	✓	
Residential 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> </ul>	<ul style="list-style-type: none"> <li>• Mission Accomplished (why not in the significant column?)</li> </ul>	✓	
Commercial Rebates <i>Rebates and incentives to encourage the use of water-efficient fixtures and appliances. Implement Restaurant Pilot Program.</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Develop plan to market Commercial Custom Retrofit Rebates</li> <li>• Sign-up 25-30 participants for Restaurant Pilot Program</li> <li>• Develop Restaurant specific rebate program</li> </ul>	<ul style="list-style-type: none"> <li>• Plan Developed for commercial custom rebates</li> <li>• 25 (?) customers signed up</li> <li>• Restaurant Specific Program being piloted now</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> <li>• Shut-offs for leaks exceeding threshold</li> </ul>	<ul style="list-style-type: none"> <li>• Water waste hotline calls addressed</li> <li>• Educational programs not developed for high water season</li> <li>• Shut-off's for leaks enforced</li> </ul>	✓	
Continuous Flow Program <i>Collaborate with Customer Service to reach out to customers showing continuous flow</i>	New Program	<ul style="list-style-type: none"> <li>• Work with Customer Service</li> <li>• Send out Continuous Flow letters</li> <li>• Follow up with customers</li> </ul>	<ul style="list-style-type: none"> <li>• Hundreds of continuous flow letters sent</li> <li>• Coordination with customer service accomplished</li> <li>• Customer follow up accomplished</li> </ul>		✓

Program	Status	Key Performance Indicators for 2018	Accomplishments	no progress	some progress	significant progress
<b>Goal: Effective Program Management</b>						
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>Retain staff</li> </ul>	Mission Accomplished			✓
Financial Resources and Budget <i>Utilize resources to accomplish goals and programs</i>	Ongoing Program	<ul style="list-style-type: none"> <li>Submit Conservation Budget by February 2018</li> <li>Track Budget for FY 2018-19</li> </ul>	Mission Accomplished			✓
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>Staff trained for Restaurant Audits</li> <li>Professional development plans for all staff</li> <li>Staff certified as relevant to program (QWEL, WERS, CLIA, ARCSA, Backflow, etc)</li> </ul>	Mission Accomplished			✓
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>Respond to work orders from Customer Service</li> <li>Promote Self-Audit program</li> <li>Promote DIY Drip guide</li> </ul>	<ul style="list-style-type: none"> <li>Work orders from Customer service responded to</li> <li>Self-audit promotion not done</li> <li>DIY drip guide created</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>Monitor outcomes as related to program activities</li> </ul>	Mission Accomplished			✓
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> <li>Begin 2020 WC&amp;DM Plan</li> </ul>	Mission Accomplished			✓
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>Annual Water Report</li> <li>A WWA Audit</li> <li>GPCD</li> </ul>	Mission Accomplished			✓

Program	Status	Key Performance Indicators for 2018	Accomplishments	no progress	significant progress
<b>Goal: Stewardship and Conservation</b>					
Organizational Collaborations <i>Collaborate with internal departments, other municipalities and utilities, other organizations</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• NMWCA board representation</li> <li>• State Water Planning Initiatives</li> <li>• XCONM, NGWS sponsorship/participation</li> <li>• AWE Cooling Tower collaboration</li> <li>• Work with other City Departments on projects</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</li> <li>• Resolve population calculation issue</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 2017 results into conservation programming</li> </ul>			✓

Program	Status	Key Performance Indicators for 2019	Accomplishments	no progress	some progress	significant progress
<b>Goal: Education Outreach</b>						
New Residents of Santa Fe	create program	<ul style="list-style-type: none"> <li>• develop materials for title co. distribution &amp; pilot with 1 title company</li> <li>• Measure and track water use in newly built homes vs. older homes</li> <li>• Evaluate potential for additional opportunities to provide information to new homeowners such as working with inspectors.</li> </ul>				
Expand Adult Outreach Programs	Create Program	<ul style="list-style-type: none"> <li>• Increase awareness of water and water conservation programs amongst City staff via tours and education so that those folks can provide good information and water division contacts to city customers</li> <li>• Seek out opportunities to partner with art related events to expand the reach of the conservation message</li> <li>• Bring back the poster contest and open it to adults – target a specific appliance or message that we want to promote</li> </ul>				

Program	Status	Key Performance Indicators for 2019	Accomplishments	no progress	significant progress
<b>Goal: Communications and Customer Service</b>					
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>	Ongoing Program	<ul style="list-style-type: none"> <li>• 20% of customer base signed up</li> <li>• Expand awareness and participation among city staff</li> </ul>			
Commercial Rebates <i>Rebates and incentives to encourage the use of water-efficient fixtures and appliances. Implement Restaurant Pilot Program.</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Develop plan to market Commercial Custom Retrofit Rebates</li> <li>• Sign-up 25-30 participants for Restaurant Pilot Program</li> <li>• Develop Restaurant specific rebate program</li> <li>• Develop Efficiency projects with parks – work to optimize mix and delivery of gray water.</li> <li>• Customer profiling to highlight when people do good thing.               <ul style="list-style-type: none"> <li>o Restaurants</li> <li>o Homes</li> <li>o Businesses</li> </ul> </li> </ul>			
Commercial Rebates	New Program	<ul style="list-style-type: none"> <li>• Create a quarterly newsletter reporting on the status of rebates and water conservation projects</li> <li>• Distribute via email addresses on Eye On Water archive on the website, and let people sign up</li> <li>• Finalize SFCC training component of commercial rebates and audits</li> </ul>			
Develop a quarterly e-newsletter	Create program	<ul style="list-style-type: none"> <li>• Create a quarterly newsletter reporting on the status of rebates and water conservation projects, precipitation, reservoir levels, and drought status</li> <li>• Distribute via email addresses on Eye On Water archive on the website, and let people sign up</li> <li>• Finalize SFCC training component of commercial rebates and audits</li> </ul>			

Program	Status	Key Performance Indicators for 2019	Accomplishments	no progress	some progress	significant progress
<b>Goal: Effective Program Management</b>						
Financial Resources and Budget <i>Utilize resources to accomplish goals and programs</i>	Ongoing Program	<ul style="list-style-type: none"> <li>• Submit Conservation Budget by February 2018</li> <li>• Track Budget for FY 2018-19</li> <li>• Acquire the ability to utilize funding from WBAO sales of conserved water to fund conservation projects</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>• Annual Water Report</li> <li>• AWWA Audit</li> <li>• CPD</li> <li>• 5 year water conservation plan incorporating public input and climate change predictions</li> </ul>				
Drought Emergency Preparedness	Ongoing Program	<ul style="list-style-type: none"> <li>• Increase the transparency and awareness of a drought declaration in Santa Fe</li> <li>• Use e-newsletter to discuss drought, it's triggers, and the status of the city water system</li> </ul>				

Program	Status	Key Performance Indicators for 2019	Accomplishments	no progress	significant progress
<b>Goal: Stewardship and Conservation</b>					
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 2017 results into conservation programming &amp; Address data gaps</li> </ul>			



## **SANTA FE WATER FORUM**

**Sponsored by the City of Santa Fe and the Santa Fe Watershed Association**

### **OVERVIEW OF WATER SUPPLY SOURCES, WATER QUALITY AND INFRASTRUCTURE**

What are our sources of water supply and the relative contributions of the various sources? (Map, Graph)

What determines which sources are used at any one time?

Have we seen drops in aquifer water levels in City well fields?

What are the projections for San Juan Chama Project water from the Upper Colorado River Basin and for diversion from the Rio Grande?

What is the storage capacity of our combined Santa Fe River reservoirs and what are the storage limitations imposed under the Rio Grande Compact?

Where are our water treatment facilities located?

What can you tell us about our water quality? Algae? Bacteria? Radionuclides?

Description of the City's water transmission infrastructure. (Map)

### **WATER RATES**

How do City of Santa Fe water rates compare with those of other western U.S. cities?

We have decreased our overall consumption and are selling less water to subscribers, so when can we anticipate rate increases to cover maintenance of an aging infrastructure?

### **WATER CONSERVATION IN SANTA FE**

What does the Water Conservation Office do? Take a bow!

History of water conservation in the City of Santa Fe and observed trends of GPCD. (Graphs)

What measures have been successful in reducing GPCD?

Are there City projections for future GPCD reduction?

What changes can we expect with regard to increasing outdoor water conservation?

Are there other water conservation breakthroughs for Santa Fe on the horizon?

Is Santa Fe a leader in water conservation in New Mexico? US? Globally? How low can we go? (Comparison graphics)

What happens to the water we conserve?

How does the Water Bank work and who are the beneficiaries?

Are we conserving water to support growth?

## **REPORTS - IMPACT OF CLIMATE CHANGE ON SANTA FE'S WATER SUPPLY**

What major third-party reports have been published in recent years? (Links to reports)

What are the projections for Santa Fe's water future if we only rely upon our current water sources?

What potential new sources of supply have been identified?

Do we have a viable drought management plan and what additional conservation methods would be implemented during a water emergency?

When will the new long-range water supply plan be completed?

Has the geotechnical work been done to determine whether or not ASR (Aquifer Storage and Recovery) is viable for our aquifer?

How can we maximize our use of treated effluent? What are the options and which plan has been selected?

What will be the impact of climate change and maximized use of treated effluent for downstream communities?

What is the future for a "wet" Santa Fe River?

What about flow through the Canyon Preserve?

Are there plans to monitor diversion by the acequias?

## **DOMESTIC WELLS**

What is the procedure to obtain a permit for drilling a new domestic well in the City?

Does the City plan to regulate existing domestic wells beyond the seasonal water conservation regulations?

## **BIG PICTURE AND LONG-TERM ISSUES**

What water-conserving measures have been recently implemented in City building codes for new residential construction? For new commercial construction?

In view of the projected threats to our water supply, what water-related measures are in place or contemplated to limit growth? (Unchecked growth seems to offset our conservation success and seems contradictory to projections for decreased and highly variable future water supplies.)

How does the City reconcile a decreasing water supply with increasing growth? (Charts of water use vs. building permits issued.)

Are the City of Santa Fe and Santa Fe County working together to address the impacts of climate change to our water supply? (The City and County share the same aquifer and are partners in the Buckman Direct Diversion.)