



Agenda

SANTA FE WATER CONSERVATION COMMITTEE MEETING
CITY HALL – 200 LINCOLN AVE.
CITY COUNCILORS' CONFERENCE ROOM
August 3, 2018
3:00 PM TO 5:00 PM

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE JULY 10, 2018 MEETING

CONSENT AGENDA:

6. WATER CONSERVATION PROGRAM SCORECARD UPDATE FOR JULY 2018 (Christine Chavez)
7. UPDATE ON CURRENT WATER SUPPLY STATUS (Christine Chavez)

INFORMATIONAL ITEMS:

8. DISCUSSION ON DOMESTIC WELLS (Marcos Martinez, Christine Chavez)(15 minutes)
9. GREEN BUILDING CODE AND GRAY WATER OPPORTUNITIES (Doug Pushard, Christine Chavez)(30 minutes)
10. PRESENTATION ON WATER BANK (Andrew Erdmann, Christine Chavez)(30 minutes)
11. DISCUSSION OF MID-YEAR SCORECARD RESULTS (Christine Chavez)(15 minutes)

MATTERS FROM PUBLIC:

MATTERS FROM STAFF:

MATTERS FROM COMMITTEE:

NEXT MEETING – (Councilor's Conference Room): TUESDAY, SEPTEMBER 11, 2018

CAPTIONS: due by 3:00 pm, August 27, 2018

PACKET MATERIAL: due by 3:00 pm, Wednesday, August 29, 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: 7/23/2018

TIME: 3:23 PM

**SANTA FE WATER CONSERVATION COMMITTEE
CITY HALL, CITY COUNCILORS CONFERENCE ROOM
200 LINCOLN AVENUE
TUESDAY, JULY 10, 2018, 4:00 PM**

1. CALL TO ORDER

The meeting of the Santa Fe Water Conservation Committee was called to order at 4:07 pm by Councilor Romero Wirth, Chair, on Tuesday, July 10, 2018, at City Hall, in the Councilors Conference Room, 200 Lincoln Avenue, Santa Fe, New Mexico.

2. ROLL CALL

MEMBERS PRESENT

Councilor Carol Romero Wirth, Chair
Lisa Randall
Tim Michael
Stephen K. Wiman
Scott Bunton
Robert Coombe
Doug Pushard
Bill Roth
(Vacancy)
(Vacancy)

MEMBERS ABSENT

Ken Kirk, Excused

OTHERS PRESENT

Christine Chavez, City of Santa Fe, Water Conservation Manager
Caryn Grosse, Water Conservation Division
Marcos Martinez, Assistant City Attorney
Andy Otto, Watershed Association
Elizabeth Martin, Stenographer

3. APPROVAL OF AGENDA

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

VOTE The motion passed unanimously by voice vote.

4. APPROVAL OF CONSENT AGENDA

MOTION A motion was made by Mr. Roth, seconded by Ms. Randall, to approve the consent agenda.

VOTE The motion passed unanimously by voice vote.

5. APPROVAL OF MINUTES JUNE 5, 2018

MOTION A motion was made by Mr. Roth, seconded by Ms. Randall, to approve the minutes as presented.

VOTE The motion passed unanimously by voice vote.

CONSENT AGENDA

6. WATER CONSERVATION PROGRAM SCORECARD UPDATE FOR JUNE 2018

7. UPDATE ON CURRENT WATER SUPPLY STATUS

ACTION ITEMS

8. APPROVAL OF DRAFT ORDINANCE ADOPTING 2015 UNIFORM PLUMBING CODE

Chair Romero Wirth said she would like to follow up with our conversation from our last meeting. Marcos Martinez is here to work with us on that.

Mr. Pushard said there were 2 discussions. The first one was our discussion on grey water. There are 2 competing State Statutes. The plumbing code and the Environment Department code. He was in Albuquerque and met with the CID Section Chief who is responsible for the plumbing code. Their interpretation is the plumbing code is only applicable inside the walls of the house except for septic tanks inspections. There is no enforcement outside the building. The State Environment Department agrees with that.

Chair Romero Wirth said the code you are speaking of is the 2015 code. When you are speaking about the State those are State Statutes.

Mr. Pushard said when the plumbing code got adopted it was adopted as a State Statute.

Chair Romero Wirth said she wants to get us calling these things by the correct titles and names.

Mr. Martinez said the plumbing code is adopted by regulation at a State level.

Mr. Bunton said the legislation gives authority to the agency.

Mr. Coombe asked so the cross connection issue is governed by 25.

Mr. Pushard said the other issue is what we have in the Land Use Ordinance which is a 3rd conflict on the cross connection issue.

Chair Romero Wirth asked the conflict with grey water is between the code and what.

Mr. Pushard said the grey water conflict is between the 2015 plumbing code and the State Environment Statute.

Mr. Michael said the State Legislature enacts the statutes and they are put into regulation. We only need to be talking about regulations. The State adopts the plumbing code by regulation.

Chair Romero Wirth said the Legislature passes Statutes. Sometime in a Statute it says what the department is supposed to do . Sometimes the legislation gives the authority to issue regulations. So what is in conflict.

Mr. Pushard said the State Statutes 74-6-2 and 74-6-4 are in conflict with the plumbing code.

Mr. Roth said they carved out a section from that bill about grey water and set up a conflict. So we need to carve it back out in some fashion.

Mr. Bunton asked does the Statute prevail over the code adopted by regulation.

Mr. Martinez said the permit being reference is a permit from the Environment Department and they are saying they don't require a permit from the Environment Department. It says nothing about what CID does.

Mr. Pushard said CID does nothing with grey water they say.

Mr. Roth said he thinks they are inspecting the plumbing inside including the conveyance system until it gets to 5 feet. The plumbing regulations for waste water apply to that.

Mr. Pushard said the Environment Department looks at septic tanks and systems, not CID. He has never had anyone inspect.

Mr. Roth said so the City has no real control over any of it if a Statute supercedes the 2015 code. The logic would be the City, other than inspecting the inside conveyance up to 5 feet, does not have a say.

Mr. Martinez said he views these as complimentary. The Environment Department says you don't need a permit from the Environment Department for grey water use if you meet these 11 conditions. It says nothing about other permits that may be required except if the City or County has restrictions on grey water. He does not see a conflict. They are regulating different aspects of grey water.

Chair Romero Wirth said if you meet the conditions there is no permit required by the Environment Department, but it could still be required by the City under the plumbing code to have a permit which we and the State have adopted by reference.

Mr. Pushard said when the State adopted the 2015 plumbing code they adopted the whole thing. He agrees with Marcos' interpretations, but added there is no one in the State that you could pull a grey water permit from. You can pull a plumbing permit, but not a grey water permit.

Mr. Roth said they want to see a schematic of the system.

Mr. Martinez said if the City has adopted the plumbing code with regulations on grey water systems the City has chosen to regulate grey water systems.

Ms. Randall asked so the City has the authority.

Ms. Chavez asked if we wanted to carve that part out would we have to reference that section and change the language to be in alignment with that.

Mr. Martinez said there is no conflict. The Environment Department just says you do not need a permit from the Environment Department. If you are saying we are not going to regulate grey water systems you would say we are not going to follow these sections and the City would have no way to regulate these systems.

Mr. Pushard said he advises against that. His advise is to adopt an exception for systems below 250 gallons which would be adopting the Environment Department guidelines. The Environment Department rules apply. We have adopted the 2015 plumbing code so we are and should be regulating under that code.

Ms. Chavez said we have not adopted that 2015 code yet. If we just take that part out of the chapter would that work.

Mr. Martinez asked why would we not want to permit the grey water systems. If the City adopts this code the City permits it.

Chair Romero Wirth said it does not matter about the State. This is the City.

Mr. Roth said you pulling a plumbing permit already.

Mr. Pushard said we need to think about the existing systems. The discussion is not regulatory, it is a what to adopt discussion.

Chair Romero Wirth asked the bill draft in the packet does it address this.

Ms. Chavez said we would need to make an amendment to address this.

Chair Romero Wirth said this adopts the entire 2015 plumbing code as the State does.

Ms. Chavez said there are some issues about cross connections that we have not talked about. We advertised that no permit was required for that when we did the laundry program. If we adopt this code our Laundry To Landscape program would require a permit. She thinks below 250 gallons a day would fall in line with what we are trying to accomplish. We will also need to work with the Land Use Department.

Chair Romero Wirth said there is a distinction here of 250 gallons. You are talking about less than 250 gallons.

Mr. Pushard said with Laundry To Landscape and residential there is no way they will go over 250 gallons a day. This is only residential, not commercial.

Chair Romero Wirth asked is it your intention to put this grey water issue clarification in the draft in the packet.

Mr. Bunton said we only need to clarify.

Ms. Grosse said we have to write language for the Ordinance to allow less than 250 gallon systems to not have to be permitted.

Mr. Roth said we have been submitting plumbing plans for new systems. The grey water becomes a subset of your plumbing permit. Generally speaking you are not required to have a plumbing plan for homes under a certain size. We are only generating plans when there is a grey water system. It is not a grey water permit, is a plumbing permit showing the grey water system. His thought is the City sees Land Use as a revenue stream so maybe a nominal amount of \$10.00 could be charged that pays for the permit. Maybe \$165.00 for the rebate and \$10.00 for the Land Use permit.

Mr. Pushard said he supports the bills direction. He thinks there will be some push back that we not requiring a permit. Lets adopt the code, but the permitting fee is whatever if less than 250 gallons and you follow the State guidelines.

Chair Romero Wirth said so less than 250 gallons and following the guidelines in the State Statute.

Mr. Roth said with Laundry To Landscape you did not require a schematic.

Ms. Chavez said we do require a schematic.

Mr. Roth said so they come in with the schematic and pay a fee, the City inspects and the permit fee goes to Land Use.

Mr. Pushard said he agrees with the bill. He does not want to fight the battle of having no permit.

Ms. Chavez said in our discussions with Land Use it is not her understanding that they want a permit. Let's scratch the permit entirely and propose that to Land Use.

Mr. Pushard said then we would be fighting the battle about permits.

Ms. Chavez said with Land Use she thinks they are not concerned about requiring a permit. We want to encourage grey water usage at a residential level. We can amend the one sentence to say "unless it exceeds 250 gallons a day."

Mr. Martinez said he will have to look at the UPC. He imagines this was put in there for a reason. The specifications are rational.

Mr. Roth asked do we want to try to narrow it down and leave the rest standing for new construction. We could just narrow it down for existing systems.

Mr. Martinez said the codes do not apply retroactively.

Mr. Roth said if he is remodeling and getting a plumbing inspection it could end up applying under the UPC unless we specify Laundry To Landscape.

Ms. Chavez said she thinks it needs to just say less than 250 gallons.

Mr. Roth said the conflict is in remodels and remodels that do not require inspections for those who want a grey water system. Existing or remodels.

Chair Romero Wirth said she suggests that Marcos look at the draft in the packet and look at the UPC and based on our conversation today see if you can draft something that does what we are trying to achieve.

Mr. Martinez said he is not sure he understand the consensus.

Mr. Roth said we could draft the language we would like to see.

Chair Romero Wirth said this will be for Laundry To Landscape under 250 gallons. If you see a reason why we should not do this let us know that information.

Mr. Martinez said this is a policy decision for the Governing Body.

Mr. Pushard said we do have consensus.

Chair Romero Wirth said for residential grey water systems less than 250 gallons to not have to be permitted.

MOTION A motion was made by Mr. Bunton, seconded by Mr. Pushard, to ask Mr. Martinez to review the documents and draft a modification of the Ordinance to specify that a permit is not required for the installation of grey water systems with the capacity of less than 250 gallons a day and in the context of retrofits and remodeling of existing housing when a plumbing permit is not otherwise required and requiring that the conditions of State Statute 74-6-2 and 74-6-4 are satisfied.

Chair Romero Wirth said she would like Marcos to look at this and let us know his thoughts on the change. We are not approving the change. We are drafting the change for consideration.

Mr. Martinez said it is up to the Governing Body to decide.

Chair Romero Wirth said let's get the policy change drafted by Marcos and then we need to understand better the implications and if we want to do this.

Chair Romero Wirth said we still need to have a conversation about private wells.

Chair Romero Wirth asked Marcos to let us know if this should be separate or tagged on to the bill.

Ms. Chavez said it should be tagged on.

Chair Romero Wirth said right now we are saying we would add this to the bill unless Marcos says it has to stand on its own.

Ms. Chavez said we will write the language and send it to Marcos with a copy of the chapter. She thinks this will have support.

Chair Romero Wirth said she is fine with subject matter experts taking a stab at drafting, but she is going to try to institute that lawyers look at the language and what the implications are and if it is legally correct. She understands that Jesse writes these, but she wants Marcos to look at it and do it. She wants Marcos to see it first before Jesse.

Ms. Chavez said there is language here requiring additional requirements on rain water systems. Are we going to move past that discussion.

Chair Romero Wirth said if we are going to add this piece we just talked about we spent enough time on this for now. Let's work on this piece and put it on the agenda for next time where we will discuss the cross connections, rain water systems and the Chris Calvert piece.

Ms. Chavez said she will give that information to Marcos for next time.

9. APPROVAL OF COMMITTEE WORK PROJECTS

Chair Romero Wirth said we do need to talk about private wells. She would love to have someone present on the Water Bank. She did like the idea of looking at the reducing consumption charrette and what came of that.

Ms. Chavez asked we can add those for August.

Chair Romero Wirth said yes and direction from Marcos on private wells.

Chair Romero Wirth said there is a lot of background she would like us to have before we figure out what we want to do deep dives into. She wants us to do some hard big picture things to stay a model and to keep making progress. She doesn't want us to get dug into the micro things. She wants to use the skills on this Committee to think about how are we going to reduce our water use and still be a vibrant community and stay ahead of the curve in using less water.

Mr. Pushard said you have his full support on this. He suggests it might be worthwhile to do a carve out of a half day session to do the background. The Water Bank will be an hour conversation on that one thing.

Chair Romero Wirth said we could tackle one of these issues a meeting at a time.

Mr. Roth said 2 things will take 4 hours. We should make a priority list.

Chair Romero Wirth said he would like to outline the things she would like more information on. Guidance on private wells. What is the role of the Water Bank. Having a summary of what the charrette from the Water Conference produced and what happened as a result. Regionalization. An overview of the 40 year plan from Bill Schneider.

Mr. Coombe said he would like to add the ICI sector which he feels is very important. Institutional, Commercial, Industrial. The notion that the GPCD is only 50 and the ICI sector drives that to 89 in ways we do not understand or control is something we should look at. It may be the best avenue we have to reduce water consumption.

Chair Romero Wirth said all of these things other than regionalization are about reducing water use in the city which is how we need to be focusing our attention. Where are those opportunities in a big way. Her inclination is to take these a meeting at a time. Or a couple a meetings at a time and see what we get. If we need study session on a particular thing we can do that.

Mr. Pushard said the reason we do the Water Summit is most people around this table do not do water every day. It would take a 6 month period of time to talk about issues. This is what he does every day and will remember. If we do one hour over 6 months by the time we get to January we are going to have to ask for another Water Bank presentation because we will have forgotten it. No disrespect meant. It is hard to get to the point where we can build a future vision to maintain leadership because we all have day jobs.

MOTION A motion was made by Mr. Roth that within a 60 day schedule we have a 4 hour study session to address 2 topics we chose now with a 3rd as a backstop and look into having a stenographer and move this forward.

Mr. Michael said the purpose of spending time on each thing is to get a perspective and understanding to set up a launching point for future working group work. He does not picture 1 hour or 2 to be the end of that. He pictures it as launching point for working group work. So the information would be retained in that way. The working group can come back and report to the Committee.

Chair Romero said there is another way to tackle it. The problem with having working groups working on issues is that we have a few people hearing information that is beneficial for the entire group to hear.

Mr Roth said stuff will come out when we all discuss issues as a group rather than a couple of selected people considered to be experts.

SECOND Mr. Pushard seconded the motion.

Ms. Chavez said there are 6 things here. We could schedule each for a 30 minutes presentation and 30 minutes for discussion at a meeting next time and then form working groups. Marcos Martinez on private wells, Andrew Erdman on the Water Bank, Bill Schneider on the 40 year plan and so on.

Chair Romero Wirth said we can get someone to talk on regionalization. We

have a Resolution on that. We need the background on why the City said they did not want to play.

Mr. Michael said moving forward is his concern. He is not seeing this as a path forward.

Mr. Bunton said it is foundation building.

Mr. Roth said it is for background information.

Chair Romero Wirth asked what if we invited the Committee like this from the County to be a part of this meeting.

Mr. Bunton said it would be a great first step to regionalization.

Chair Romero Wirth said lets all get together to do the thumbnail sketch on the 6 things.

Chair Romero Wirth said she think this group is the thinker for water here. She wants to keep us as a leader and keep us moving forward. We need foundational information to understand the opportunities and challenges.

MOTION Mr. Roth amended his motion to follow Ms. Chavez recommendation to have a meeting allowing one hour for each subject, 30 minutes in presentation and 30 minutes in discussion, within the next 60 to 90 days. One meeting to include all 6 subjects.

SECOND Mr. Pushard seconded the motion.

Chair Romero Wirth asked would this be in addition to our regular meeting. Lets explore with the County what is doable there.

Mr. Michael said he is still concerned with the path forward

Mr. Pushard said we need a foundation of knowledge.

VOTE The motion passed unanimously by voice vote.

Chair Romero Wirth said she will work with Christine and Caryn on this effort.

Ms. Chavez said we could tag this on to a regular meeting.

Chair Romero Wirth said we need to see if we can coordinate with the County and how that would work.

INFORMATIONAL ITEMS

10. RESULTS OF RESTAURANT PILOT STUDY

Ms. Chavez said we have the data for the study. She is working on a write up and will bring that through this Committee, PUC and Council if they are interested. It will be a summary of the program and results. We have hit a snag in that most restaurants don't have their own water account so we cannot offer them an incentive. We are trying to work through that. We will be doing a white paper on all our projects. She will bring that through on consent and you can look at them or discuss them.

Mr. Bunton said the Committee could work on an Ordinance to require that whenever a strip mall is build they have to have stub out meters.

Ms. Chavez said that is in place. Most of the restaurants are in old buildings and are grandfathered in. It is applicable to new buildings.

Mr. Coombe asked is there any bottom line with water use you found in evaluating these 30 restaurants and their potential for saving water.

Ms. Chavez said most of them could not measure what they are saving because they have no meter. We have information assumptions. It was not a complete failure. The restaurants got feedback and some did retrofits to save water, but without the measurement piece it is very difficult.

Mr. Roth asked were you able to find any jurisdictions that did have quantified data.

Ms. Chavez said at the Water Smart Conference she will be on a panel with other cities who did this. There are certain metric assumptions we could use.

Mr. Coombe said maybe a rebate is not the way to approach it. Do you know if the account holders of the 30 restaurants were local or outside the City or State.

Ms. Chavez said it varied. Some owned several of the restaurants.

Mr. Coombe said property taxes maybe. We could find out who is responsible for paying the water bills.

Mr. Roth said we could start requiring lower water use fixtures. There are things you can do that can be enforced. There are obvious things we should be doing that other jurisdictions do. Social engineering.

Mr. Pushard said on almost all of the audits he went on the restaurants made

changes so they all reduced consumption. All 30 started saving water when we walked out the door. Regarding the toilets we were amazed how many people had old toilets. That is low hanging fruit. Who pays for the toilet replacement. They are leasing the buildings and only getting a guesstimate of what the water bill is.

Mr. Roth said when restaurants change hands that might be the point to require the landlord to do it.

Mr. Pushard said he wanted to make sure we understood that we saw 30 restaurants and all of them learned something and they saved money.

Mr. Coombe said it does not mean anything unless you measure it.

Mr. Pushard said he is going to push back on that a bit. We are not measuring rebates. We need to work through this issue because it is an impediment.

Mr. Roth said it could have to become a prescriptive requirement.

Mr. Pushard said the measurement is a barrier we found. He can give Christine assistance on what other cities have done.

Chair Romero Wirth asked are you thinking this conversation comes under ICI stuff.

Mr. Pushard said yes.

Mr. Coombe said one thing we should think about is setting that aside and seeing the impact on that segment of the GPCD from policies adopted.

Mr. Pushard said if we did a 90 day restaurant toilet replace you would see the GPCD drop in 90 days.

Mr. Roth said this is a thing we could require.

Chair Romero Wirth said we can come back to this. We understand the problem.

11. MATTERS FROM PUBLIC

None.

12. MATTERS FROM STAFF

Ms. Chavez said she has an announcement. Lisa gave her 2 weeks notice. She is moving to Community Services. Friday is her last day. She handled all our education

programs. She will be doing outreach for Community Services. Also Caryn gave notice. Her last day is on the 27th. She is a gigantic resource for her and the program. We are going to see gigantic gaps. She has gotten a promotion to Facilities Management. She is proud of both of them. They will be missed.

Chair Romero Wirth said we may want to think about our big meeting in September with all the things you are doing.

Ms. Chavez said we just need to get past the Water Fiesta. It would be better for the big meeting to be sooner than later.

13. MATTERS FROM COMMITTEE

Mr. Wiman said he would like to see time limits on all the action items. He likes to see background on issues and the action required. We took too much time today for the Marcos issue. If we did a spread sheet that would simplify things. It might guide us to get through quickly.

Chair Romero Wirth said this was her fault. She did ask Christine to give time frames for these things in our first meeting. Using Marcos' time wisely can certainly be done better. She did not spend the time to isolate the problem. Also she being new and getting her legs under her, is an issue. She completely agrees. She will get better at this as we move forward. She totally agrees.

Mr. Wiman said working outside the meeting to prioritize will help us he thinks.

Chair Romero Wirth said we could have isolated the problem and gotten more done.

Mr. Roth said the working groups will help with presenting specific information he thinks.

Chair Romero Wirth said part of what belabored the discussion was getting clarity of what we were talking about term wise. Using the right vocabulary is important so that we can all understand and be on the right track.

14. NEXT MEETING AUGUST 3, 2018

Chair Romero Wirth said she is unable to attend the meeting on the 14th.

There was discussion as to a meeting date change.

It was decided that the next meeting will be on Friday, August 3rd from 3:00 pm to 5:00 pm.

15. ADJOURN

There being no further business before the Committee the meeting adjourned at 6:02 pm.



Councilor Carol Romero Wirth, Chair

Elizabeth Martin, Stenographer

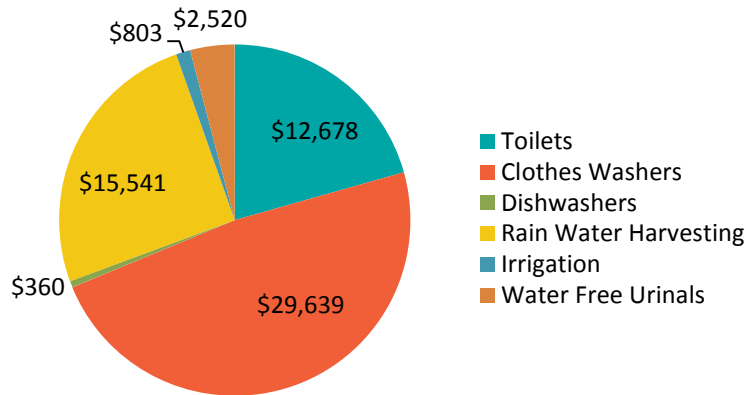


Water Conservation Office

Monthly Overview of Scorecard Progress – July 2018

	Education Outreach:
Education Initiative:	
<ul style="list-style-type: none"> Summer camp series passport program June 25 – 29, 2018 	
General Outreach:	
<ul style="list-style-type: none"> Southside Farmer's Market on 7/3 (Lisa/Patricio) July 17, 2018 After 5 Working Group Presentation on Water Conservation –Patricio 	
	Communication and Customer Service:
Strategic Marketing Plan:	
<ul style="list-style-type: none"> Radio show guests – Laura McGrath, Water Conservation Staff, Obie Oberhausen FY19 approved by City Council and signed by PKPR Meeting with Scott Hutton on FY19 advertising opportunities Discussion with SFNM on FY19 advertising opportunities; requested final performance report for FY18 new media ads. 	
Eye On Water Rollout:	
<ul style="list-style-type: none"> 3,499 sign ups as of 7/17/2018 	
Water Audits:	
<ul style="list-style-type: none"> July 2, 2018 466 St. Michael's Drive Suite 603 July 10, 2018 507 Los Nidos 	
Enforcement Activity:	
<ul style="list-style-type: none"> Continuous consumption letters: 388 This month thus far 06/19/2018 Quail run/ St Francis/ Paseo de Peralta - Citation: Fugitive Water/ Wasting Water 06/26/2018 San Francisco/ Canyon Rd - Warning: Time of day Warning: Fugitive water 	
Residential and Commercial Rebates:	
Fiscal Year 2017-2018: \$61,541.47 in rebates awarded	
Water savings resulting from rebates: 3.905255 acre-feet (1,272,531 gallons)	
Total Rebates awarded FY-2017-2018: 405	
<ul style="list-style-type: none"> HET (all types) – 200 Clothes Washers (all types) – 115 Dishwashers (NEW!) - 10 Rain Water Harvesting (including rain barrels, cisterns) – 70 Irrigation (including controllers, audits) (NEW!) - 6 Urinals (Water free & Ultra High Efficiency) - 4 	

Rebate Amounts per Device Type



Effective Program Management

Organizational Development:

- Advanced Water loss June 21, 2018-Patricio
- July 3, 2018 El Mercado Del Sur-Patricio/Lisa
- July 9, 2018 Santa Fe Teachers Educators Network Meeting-Patricio/Lisa
- Lisa and Caryn have both accepted promotions with other City departments. Job postings should go out in August for both positions.

Water Conservation Committee:

- Councilor Romero-Wirth reorganizing work done by the Water Conservation Committee

Integration with Water Resources:

- Drought Emergency Memo to Planning Commission
- Christine attending monthly project status meetings with Water Resources
- Christine working with Water Resources on a joint RFP for expansion of passport program
- Caryn/ Christine working on water conservation pieces for Long Range Water Supply Plan
- Caryn/Christine working with Water Resources on Water Reuse System



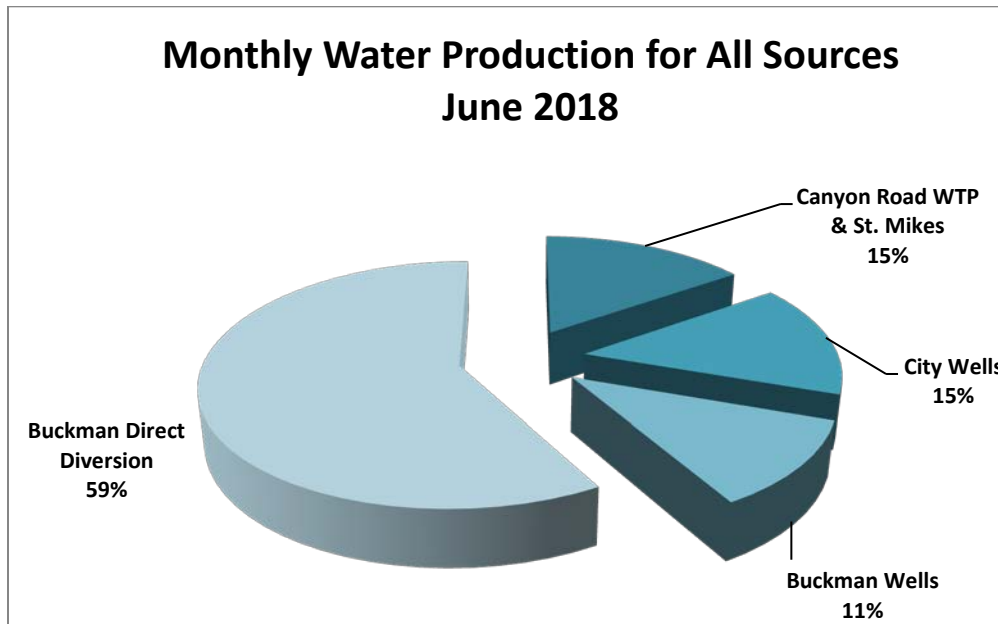
Stewardship and Conservation:

Regional Collaborations:

- Christine met with Marian Wrage director of the Water Conservation Section for Rio Rancho on various programs July 3, 2018
- Eye On Water with Richard Thompson, Parks (Patricio)
- New Mexico Water Conservation Alliance (Patricio)

**City of Santa Fe, Source of Supply Section
Water Production and Environment Office Update
Public Utilities Committee
August 1, 2018**

Water Production Update for June 2018



Total Production of System

Total for June 2018: 393 MG million gallons (MG) for 30 days

June 2018 Daily Average Production (to meet demand/maintain storage): 13.1 MGD

<u>Current (07/18/2018) Reservoir Storage Levels</u>	<u>July 18, 2017</u>	<u>July 18, 2016</u>
McClure: 18.05% or 191.56 MG	579.6 MG (53.1%)	491.7 MG (45.1%)
Nichols: 62.94% or 136.1 MG	142.96 MG (66.3%)	171.33 MG (79.5%)
Combined: 25.65% or 327.66 MG	722.5 MG (55.22%)	663.04 MG(50.77%)

Santa Fe River Flow (07/18/2018):

Below Nichols (Planned Release):	0.60 cubic feet per second (cfs) or 0.39 MGD
Streamflow at Gage below Nichols:	0.48 cfs or 0.31 MGD (Actual including Living River Flows)
Above McClure (Reservoir Inflow):	10.4 cfs or 6.72 MGD

Santa Fe (aka, Baca Street) Well at the Former PNM Santa Fe Generating Station

INTERA Geoscience and Engineering Solutions (INTERA) has been authorized by the New Mexico Environment Department (NMED) – Petroleum Storage Tank Bureau (PSTB) to proceed with Task 4 of the Santa Fe Generating Station Work Plan, including the following subtasks:

- *Continuing Project planning*
- *Plugging and Abandoning (P&A)*

- *Soil boring advancement, soil sampling, and soil analysis*
- *Monitoring well installation*
- *Monitoring well surveying*

Task 4 also includes the advancement of up to 18 vertical soil borings (USTB-25 through USTB-42) and one (1) angled soil boring (USTB-43), all of which will be converted to monitoring wells. The drilling of each soil boring will be completed using “Rotosonic” drilling techniques and will generally follow established guidance described in the ***Standard Practice for Sonic Drilling for Site Characterization and the Installation of Subsurface Monitoring Devices*** (ASTM, 2016). Each soil boring will be advanced with an 8-in outer diameter (OD) overshot casing and 6-in core barrel to a maximum depth of approximately 420 ft below ground surface (bgs). The angled boring will be drilled at an angle calculated based on the minimum set-back distance determined in the field and the required total depth. Cascade Drilling, LP (Cascade) is tentatively planned to provide drilling services. Temporary sound barriers will be erected to reduce noise during drilling activities at proposed monitoring wells: USTB-33, USTB-34, USTB-37, USTB-38, and USTB-43. The temporary sound barriers will consist of a portable panel system that will be installed between the drill rig and residential houses.

The locations of the proposed monitoring wells (attached map) were selected to either delineate Light Non-Aqueous Phase Liquid (LNAPL) present in monitoring well USTB-17, or to delineate the horizontal and vertical extent of the dissolved-phase groundwater contamination and to maximize data collection regarding the nature and extent of the petroleum hydrocarbon contamination. (*Note: A light non-aqueous phase liquid (LNAPL) is a groundwater contaminant that is not soluble in water and has lower density than water, in contrast to a DNAPL which has higher density than water. Once a LNAPL infiltrates the ground, it will stop at the height of the water table because the LNAPL is less dense than water.*)

Selected soil samples will be analyzed for:

- Volatile Organic Compounds (VOCs)
- Ethylene dibromide (EDB)
- Semi-Volatile Organic Compounds (SVOCs)
- Total petroleum hydrocarbons (TPH) and Gasoline range organics (GRO), diesel range organics (DRO) and motor oil range organics (MRO)

A maximum of 20 discrete groundwater samples will be collected during drilling. The samples will be analyzed for:

- VOCs
- EDB
- SVOCs

The project objectives are to continue assessment activities at the Site, to delineate the dissolved phase contaminant plume, and to assess impact to nearby water wells.

Drought/Monsoon, Storage, and ESA Update

NOAA has recently (07/12/18) updated ENSO (El Nino/La Niña) status to: **“ENSO-neutral is favored through Northern Hemisphere summer 2018, with the chance for El Niño increasing to about 65% during fall, and to about 70% during winter 2018-19.”** Heron, Abiquiu, and El Vado reservoir levels on the Chama River are declining rapidly. Runoff for this year is far below normal due to drought conditions. Local Upper Santa Fe River reservoir storage volume is slowly decreasing (about 25.7% full). These reservoirs are expected to be functionally empty by early August; however, demand can be met by using BDD project water as well as groundwater. The City has received 89% delivery from BoR of full firm-yield of San Juan-Chama Project (SJCP) water so far for year 2018 (through June). Portions of the Rio Grande have begun to dry out, so silvery minnow salvage efforts are underway. Updates on ESA issues will be made as needed. Rio Grande Compact Article VII storage restrictions are in effect, which means the City is not 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; however, Article VII is expected to stay in effect for the foreseeable future.

Most Current City of Santa Fe SJCP Reservoir Storage:

Heron:

9,783 AF.

El Vado:

0 AF.

Abiquiu:

6,203 AF.(SJCP carry-over from previous years plus 2018 deliveries. No time limit to vacate due to storage agreement with ABCWUA)

TOTAL:

15,986 AF

Program	Status	Key Performance Indicators for 2018	YTD Accomplishments	no progress	some progress	significant progress
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Goal: Education Outreach

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"> • 15 classes participating • More robust assessment • Transition from Common Core to Next Gen Science Standards • Add poster contest component 	14 classes (312 students) participated in the 2017/2018 Passport Program and took a field trip to the Wastewater Treatment Plant. The Passport Program has been updated to reflect the Next Generation Science Standards.			
Expand Passport Program to 5th Grade	New Program	<ul style="list-style-type: none"> • Encourage/track participation of Passport Program students 	Passport Program students will move into a 5th grade component and attend a field trip into the Santa Fe Watershed.			
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"> • Maintain attendance at approx. 650 students including passport students • Obtain greater feedback/assessment from teachers • Develop tie-in activity • Develop additional presentation activities, including improvement of peer-to-peer activities presented by high school students 	In progress Pre and post assessments have been developed for students and teachers to obtain feedback and use it to improve the Children's Water Fiesta. We have added several new presenters by networking and attending various outreach events.			
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"> • Transition program to SFCC • Expand to include gray water • All WCO staff certified 	QWEL Training has been taken over by SFCC and includes gray water. 4 of 5 WCO staff are QWEL Certified.			
Public Outreach	Ongoing Program	<ul style="list-style-type: none"> • Table events • Partner with other events to do presentations • Sponsor events that align with program 	Attended 60 outreach events, including table events, education outreach and restaurants audits. Partnered with several entities (including BDD, Community Educators Network, Community Services and Watershed Association)			
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"> • Present as part of 2018 series • Work with volunteers on parts of our program 	<ul style="list-style-type: none"> • Presented to MG, Mario participated in training • Assisted with WC Office demo garden 			

Program	Status	Key Performance Indicators for 2018	YTD Accomplishments	no progress	some progress	significant progress
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Goal: Communications and Customer Service

<p>Eye On Water Rollout</p> <p><i>An app for smartphones and home computers which allows customers to see their water use and set alerts for leaks and overuse</i></p>	Ongoing Program	<ul style="list-style-type: none"> • 20% of customer base signed up 	Currently ~10% of customers are signed up, planning to add check box on rebates to allow customer to "opt in"			
<p>Outdoor Rebates</p> <p><i>Rebates and incentives to encourage the use of water-efficient landscaping and irrigation equipment</i></p>	New Program	<ul style="list-style-type: none"> • Roll out irrigation equipment rebate • Roll out additional rain water harvesting rebate • Roll out graywater rebate • Look at nonpotable conservation fee and incentives 	Irrigation equipment rebate, rain water harvesting bonus and graywater rebates have been in effect since May 2018.			
<p>Residential Rebates</p> <p><i>Rebates and incentives to encourage the use of water-efficient fixtures and appliances</i></p>	Ongoing Program	<ul style="list-style-type: none"> • Increase residential participation by 20% 	405 rebates awarded FY 2017-18			
<p>Commercial Rebates</p> <p><i>Rebates and incentives to encourage the use of water-efficient fixtures and appliances. Implement Restaurant Pilot Program.</i></p>	Ongoing Program	<ul style="list-style-type: none"> • Develop plan to market Commercial Custom Retrofit Rebates • Sign-up 25-30 participants for Restaurant Pilot Program • Develop Restaurant specific rebate program 	30 restaurants participated in Restaurant Pilot Restaurant specific rebates have been recommended.			
<p>Enforcement Program</p> <p><i>Increase enforcement activities, including educational visits for first-time violations</i></p>	Ongoing Program	<ul style="list-style-type: none"> • Respond to Water Waste Hotline Calls • Educational programs for high water season • Shut-offs for leaks exceeding threshold 	Water Waste Hotline calls returned within 24 hours. Enforcement Officer distributes water conservation signage and provides water conservation information/tips to retail companies.			
<p>Continuous Flow Program</p> <p><i>Collaborate with Customer Service to reach out to customers showing continuous flow</i></p>	New Program	<ul style="list-style-type: none"> • Work with Customer Service • Send out Continuous Flow letters • Follow up with customers 	1,613 continuous flow letters have been sent out between January 19-June 25, 2018.			

Program	Status	Key Performance Indicators for 2018	YTD Accomplishments	no progress	some progress	significant progress
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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"> • Retain staff 	Will need to fill 2 positions			
Financial Resources and Budget <i>Utilize resources to accomplish goals and programs</i>	Ongoing Program	<ul style="list-style-type: none"> • Submit Conservation Budget by February 2018 • Track Budget for FY 2018-19 	<ul style="list-style-type: none"> • Budget completed • Budget tracking in progress 			
Organizational Development <i>Develop staff knowledge and skills to accomplish program goals</i>	Ongoing Program	<ul style="list-style-type: none"> • Staff cross-trained on all programs • All staff badged for enforcement • Staff trained for Restaurant Audits • Professional development plans for all staff • Staff certified as relevant to program (QWEL, WERS, CLIA, ARCSA, Backflow, etc) 	<ul style="list-style-type: none"> • Staff cross-trained on all programs • Staff trained for Restaurant Audits • Professional development plans for all staff • Staff certified as relevant to program (QWEL, WERS, CLIA, ARCSA, Backflow, etc) 			
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"> • Respond to work orders from Customer Service • Promote Self-Audit program • Promote DIY Drip guide 	<ul style="list-style-type: none"> • Several audits have been performed, will continue as requested • DIY drip guide available on website 			
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"> • Monitor outcomes as related to program activities 	In progress			
Water Conservation Committee <i>Utilize skills and knowledge of committee to further refine programmatic goals</i>	Ongoing Program	<ul style="list-style-type: none"> • Fill open Committee positions • Align Committee and subcommittee work with Water Conservation Office • Begin 2020 WC&DM Plan 	In progress			
Integration with Water Resources <i>Collaborate to develop comprehensive planning</i>	Ongoing Program	<ul style="list-style-type: none"> • Long Range Water Supply Plan • Water Reuse Plan and outreach • Annual Water Report • AWWA Audit • GPCD 	In progress			

Program	Status	Key Performance Indicators for 2018	YTD Accomplishments	no progress	some progress	significant progress
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Goal: Stewardship and Conservation

Organizational Collaborations <i>Collaborate with internal departments, other municipalities and utilities, other organizations</i>	Ongoing Program	<ul style="list-style-type: none"> • NMWCA board representation • State Water Planning Initiatives • XCNM, NGWS sponsorship/participation • AWE Cooling Tower collaboration • Work with other City Departments on projects 	<ul style="list-style-type: none"> • NMWCA board representation • XCNM, NGWS sponsorship/participation • Working with other City Departments on projects 			
GPCD Analysis <i>Greater understanding of water use within the City, State and Region</i>	Ongoing Program	<ul style="list-style-type: none"> • Complete 2017 GPCD calculations • Resolve population calculation issue • Annual comparison with other Southwestern cities • Program adaptation 	<ul style="list-style-type: none"> • Completed 2017 GPCD calculations • Resolved population calculation issue 			
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"> • Incorporate 2016 results into conservation programming • Complete audit for 2017 	<ul style="list-style-type: none"> • Will incorporate 2016 results into 5 year plan • 2017 audit in the works 			

2018 Meeting Schedule

Santa Fe Water Conservation Committee

Location: City Councilors' Conference Room, 200 Lincoln Avenue

Time: 4-6 PM (except as noted)

Day: Second Tuesday of the month (except as noted)

Meeting Date	Caption Deadline, 3 PM	Packet Material Deadline, 3 PM
Tuesday, January 9, 2018	Tuesday, December 26, 2017*	Wednesday, December 27, 2017
Tuesday, February 13, 2018	Monday, January 29, 2018	Wednesday, January 31, 2018
Tuesday, March 13, 2018	Monday, February 26, 2018	Wednesday, February 28, 2018
Tuesday, April 10, 2018	Monday, March 26, 2018	Wednesday, March 28, 2018
Tuesday, May 8, 2018	Monday, April 23, 2018	Wednesday, April 25, 2018
Tuesday, June 5, 2018* 3-5 pm	Monday, May 21, 2018	Wednesday, May 23, 2018
Tuesday, July 10, 2018	Monday, June 25, 2018	Wednesday, June 27, 2018
Friday, August 3, 2018* 3-5 pm	Friday, July 20, 2018	Friday, July 20, 2018
Tuesday, September 11, 2018	Monday, August 27, 2018	Wednesday, August 29, 2018
Tuesday, October 16, 2018*	Monday, October 1, 2018	Wednesday, October 3, 2018
Tuesday, November 20, 2018*	Monday, October 29, 2018	Wednesday, October 31, 2018
Tuesday, December 11, 2018	Monday, November 26, 2018	Wednesday, November 28, 2018

*Date changed due to holiday or other event