



Agenda DATE 9/29/17 TIME 11:49

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**SANTA FE WATER CONSERVATION COMMITTEE MEETING
WASTE WATER TREATMENT PLANT, 73 PASEO REAL
CONFERENCE ROOM
September 12, 2017
3:00 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 AUGUST 8, 2017 MEETING

CONSENT AGENDA

6. UPDATE ON CURRENT WATER SUPPLY STATUS (Christine Chavez)
7. MONTHLY OVERVIEW OF SCORECARD PROGRESS (Christine Chavez)
8. SCORECARD MID YEAR EVALUATION RESULTS (Christine Chavez)
9. CHANGE TO RESIDENTIAL REBATE PROGRAM ON WASHING MACHINES (Christine Chavez)

INFORMATIONAL ITEMS:

10. OPEN DISCUSSION OF UNINTENDED CONSEQUENCES OF CONSERVATION (Stephen Wiman) (Christine Chavez)
11. GPCD DISCUSSION (Tim Michael, Christine Chavez)
12. ENFORCEMENT PRESENTATION (Patricio Pacheco)
13. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING GROUPS
 - A. GROUP 1 – Irrigation Subcommittee (Update to be given in October)
 - B. GROUP 2 – General Education Program (No update)
 - C. GROUP 3 – Marketing Outreach (Bill Roth) (Christine Chavez)
 - D. GROUP 4 – Water Conservation Codes / Ordinances / Regulations (Scott Bunton) (Christine Chavez)
 - E. GROUP 5 – Grants (Bob Coombe) (Christine Chavez)
 - F. GROUP 6 – Commercial Conservation (Lisa Randall) (Christine Chavez)

MATTERS FROM PUBLIC:

MATTERS FROM STAFF:

MATTERS FROM COMMITTEE:

- COMMITTEE REPORT FROM THE SUSTAINABLE SANTA FE MTG (BILL ROTH)

NEXT MEETING – TUESDAY OCTOBER 17, 2017: (NEXT MEETING WILL BE HELD AT THE RAILYARD – ROUNDHOUSE CONFERENCE ROOM, 500 Market Station, Suite 200)

CAPTIONS: MONDAY, OCTOBER 2, 2017 @ 3 PM.

PACKET MATERIAL: WEDNESDAY, OCTOBER 4, 2017 @ 3 PM.

ADJOURN.

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

**SUMMARY OF ACTION
 SANTA FE WATER CONSERVATION COMMITTEE
 WASTE WATER TREATMENT PLANT
 73 PASEO RAEI
 TUESDAY, SEPTEMBER 12, 2017, 3:00 PM**

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**SANTA FE WATER CONSERVATION COMMITTEE
WASTE WATER TREATMENT PLANT
73 PASEO RAEI
TUESDAY, SEPTEMBER 12, 2017, 3:00 PM**

1. CALL TO ORDER

The meeting of the Santa Fe Water Conservation Committee was called to order by Councilor Peter Ives, Chair, at 3:05 pm, on Tuesday, September 12, 2017, at the Waste Water Treatment Plant Conference Room, 73 Paseo Rael, Santa Fe, New Mexico.

2. ROLL CALL

MEMBERS PRESENT

Councilor Peter Ives, Chair
Lisa Randall, Co-Chair
Aaron Kauffman
Tim Michael
Robert D. Coombe
Stephen K. Wiman
Ken Kirk
Scott Bunton
Justin Lyon

MEMBERS ABSENT

Doug Pushard, Excused
Bill Roth, Excused

OTHERS PRESENT

Christine Chavez, City of Santa Fe, Water Conservation Manager
Caryn Grosse, Water Conservation
Patricio Pacheco, Water Conservation
Raul Martinez, Waste Water Division
Andy Otto, Watershed Association
Elizabeth Martin, Stenographer

2. APPROVAL OF AGENDA

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

VOTE The motion passed unanimously by voice vote.

3. APPROVAL OF CONSENT AGENDA

Mr. Kauffman asked to pull item 6 for discussion.

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

VOTE The motion passed unanimously by voice vote.

5. APPROVAL OF MINUTES AUGUST 8, 2017

Mr. Wiman said Mr. Bunton's name is misspelled.

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

VOTE The motion passed unanimously by voice vote.

CONSENT AGENDA

6. UPDATE OF CURRENT WATER SUPPLY STATUS

Mr. Kauffman said in the packet under the Reservoir Storage Levels it shows McClure at 45.74% and Nichols at 47.54% with a combined amount of 53.43%. The math is not correct.

Chair Ives said that is an interesting question. We will get an answer for you.

Mr. Kauffman said one is much larger but still the math does not work with 2 numbers below 50% and total at just over 50%.

Chair Ives said it might be as simple as 53.4% is of McClure. We will check on that.

Chair Ives said the EPA will be coming out on September 25th, 26th and 27th regarding storm water

Chair Ives said the meeting will recess for the tour. The meeting recessed at 3:25 pm.

Chair Ives called the meeting back to order at 5:05 pm.

7. MONTHLY OVERVIEW OF SCORECARD PROGRESS

Approved on consent.

8. SCORECARD MID YEAR EVALUATION RESULTS

Approved on consent.

9. CHANGE TO RESIDENTIAL REBATE PROGRAM ON WASHING MACHINES

Approved on consent.

INFORMATIONAL ITEMS

10. OPEN DISCUSSION OF UNINTENDED CONSEQUENCES OF CONSERVATION

Mr. Wiman asked one of his big curiosities is now that there is less water moving through the system how do you treat the wastewater here.

Mr. Martinez said the process of wastewater will never change. He has not heard of anything new due to less water. There might be some tweaking of valves but nothing else.

Ms. Chavez said Mr. Jones had asked her about untended consequences to conservation.

Mr. Martinez said we are getting more BOD and less water.

Mr. Lyon said the nitrogen concentrations are higher with less water. Changes such as low flow toilets have contributed to that.

Chair Ives said the question was if we will need a new digester to add a bit of redundancy to the system. There are a lot of organic solids. A new digester is a significant investment. The County is having more favorable development than the City. The County is approving more projects and they want to tap in. How much do you let the County come in before you start saying if we do this much more we are reducing the capacity for the City. The County, at some point, should be bearing some of the load financially. They are looking at building a wastewater facility out at 14.

Mr. Martinez said he thought they were going to build a regional one at Pojoaque.

Mr. Pacheco said yes they are.

Chair Ives said there is some on site treatment at Santa Fe Brewing.

Mr. Martinez said it is amazing what they are doing at Santa Fe Brewing to put out a good affluent to us. He will be doing water sampling from them. They seem to be doing well. They have a temporary discharge permit from the County. By end of November they plan to be up and running with their own treatment facility.

Mr. Kirk said there are cities around the Country where there is a serious drop in the population so there are fewer people to pay for renewal of the facilities, but it is not where less water crates a problem.

Chair Ives said there always has to be a balance between rates and water use.

Mr. Coombe said it would be nice to see the breakdown of the absolute cost through the whole system. The flat cost. What it actually costs and the cost of energy folded in as well and how that relates to the revenue side.

Chair Ives said we have a 2 tiered system. The tier 1 rate is probably under by \$4 to \$5 in terms of production costs, but there are enough folks in the second tier that it takes care of it.

Mr. Coombe asked do we make money.

Chair Ives said we were able to defease some bonds this year to free up some funds. The rates were such that they could support the debt payments.

Mr. Coombe said it would be interesting to see what the break even point with the City would be.

Chair Ives said we have rate professionals who do an annual analysis and make recommendations about rates. We could ask a question of them like that.

Mr. Coombe said for the marketing associated with conservation it would be good to have.

Mr. Michael said we could take a look at his diagram as to how the water flows throughout the City. His focus in doing that was not money, but it could be helpful.

Mr. Wiman said one of the things that occurred to him was storm water. When you see big influxes of storm water does that change the removal process.

Mr. Martinez said we don't get any. It goes into the Santa Fe river. We are not a combined source system. Public Works has a group of people who are watching the storm water and what limits it needs to meet. If we get anything it would only be

infiltration through man holes when it rains. The system for the storm water system is not connected out here to us. We get commercial and residential.

Mr. Wiman asked what do you think the differential costs would be to treat the water going to outflow to drinking water standards. The incremental cost to get it there is not that great after you do what you do.

Mr. Martinez said BDD is pulling water out of the Rio Grande. The Espanola treatment plant discharges into the Rio Grande. Los Alamos as well. Delancy street has a small treatment facility and they discharge into the Rio Grande or an acequia. He does not have a clue about what it would cost to do potable water. It won't be cheap.

Chair Ives said there is a study going on to figure that out. It is a perception problem.

Mr. Martinez said perception is the biggest thing.

Mr. Kirk said the perception is improving.

Mr. Wiman said there is a treated affluent factor in our source water.

Mr. Bunton said that may not be treated as well as what you are doing.

Mr. Martinez said if you ask EPA a question about the Pueblo they can't answer. They are a sovereign Nation and they do not fall under all the EPA rules.

Mr. Lyon asked aren't they allowed to set their own limits for affluent.

Mr. Martinez said he is sure they are.

Ms. Randall said when she started in 2010 we were not monitoring massive pipes and leakage and we were spending over \$200,000 and today we spend \$80,000. We have reduced spending by conservation efforts by over a half a million.

Mr. Lyon asked have the water rates gone up between then and now.

Ms. Randall said yes, they have gone up 52% in 5 years. Waste water is up 3.6 % this year.

Ms. Chavez said thank you so much Raul.

Mr. Otto said your outflow into the river, has that changed with conservation over the last 5 or 6 years.

Mr. Martinez said without looking at the records he could not answer, but he

would say yes, there has been some type of decrease. He would have to go to Operations and pull those records.

Ms. Chavez said we could find out. Mr. Jones wanted us to consider grey water with commercial and think about what departments we are effecting when we push through things. He is trying to encourage us to consider what the unintended consequences could be.

Mr. Martinez asked what control mechanism do you have. Whole Foods is one of the biggest water consumers in town. They have a 5,000 gallon interceptor behind the building. That is huge. His concern was that this much water can be blown out of the interceptor. They did a tour and inspection and found all the taps were leaking. He told them that until they do what they need to do on their side don't ask us for a re- sample. They did training inside the facility. It is a huge and institutional facility. He went back to do an inspection and they did not request a re-sample. 2 years later he went back and the \$3,000 they were paying a month was reduced to \$600 a month.

Ms. Chavez said always tell us about things like that.

Mr. Martinez said the restaurants are getting better. It is the grocery stores that need to be looked at closer. A lot of things have changed.

Ms. Chavez said we may be working a bit closer with you on our new program. We will be in touch with you. Thank you so much.

Mr. Michael said he would like to have this conversation come up again.

Ms. Chavez said yes and look at bigger picture of things. We get siloed.

11. GPCD DISCUSSION

MOTION A motion was made by Mr. Bunton, seconded by Mr. Wiman, to table items 11 and 12 to the next meeting.

VOTE The motion passed unanimously

Item tabled.

12. ENFORCEMENT PRESENTATION

Item tabled.

13. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING

GROUPS

A. IRRIGATION SUBCOMMITTEE

No report.

B. GENERAL EDUCATION PROGRAM

No report.

C. MARKETING OUTREACH

Mr. Wiman said we have had a couple of Subcommittee meetings and are making progress. We want to get an improved graphic in the *New Mexican* soon. We are working on a draft. A new Strategic Marketing Plan is coming out on September 25th. We will meet to go over that and bring it to the Committee.

D. WATER CONSERVATION CODES/ORDINANCES

Mr. Bunton said we met combined with the Commercial Subcommittee. What transpired was that the Code Subcommittee decided it was ministerial in nature and will be doing drafting work and assembly work for the other Subcommittees when they are prepared for that to occur. We need to work with the Commercial Subcommittee so we met together. We decided a Resolution would be worthwhile to describe the work the Commercial Subcommittee will recommend that this Committee take on. He prepared a draft and has received comments from Mr. Pushard. Hopefully others will comment as well. When we meet again in 2 weeks we will be prepared to put the final touches on the draft Resolution for it to come to this Committee.

Chair Ives said Jesse Guillen works with the City and is the one who drafts Resolution, Ordinances and changes to both. If you would like that done let him know and Mr. Guillen will work on it.

Mr. Bunton asked before the full Committee hears it or after.

Chair Ives said it depends on if everything you want in it is there. It would be nice to put it in the correct format for the group.

Ms. Chavez said it looks really good and we will route it through the process with the grey water Resolution.

Mr. Bunton said he will work on it and bring them to the next Subcommittee meeting.

Ms. Chavez said we would like to introduce both of them at the same time so the Council knows what we are doing.

Mr. Lyon asked when does the Commercial Subcommittee meet.

Mr. Bunton said the next one is September 29th, 11:00 am to 1:00 pm. It will be in the Water Conservation Office.

Mr. Lyon said if he can make it he would like to participate.

Ms. Chavez said on the commercial end there are a lot of moving parts. We are drafting contracts now. We are looking at 20 to 30 participants and will offer them a lot through the Green Chamber of Commerce. We have a big package of stuff. She will bring that to the Committee meeting next month. She and Glen will go out in October and November and then start audits. By the next Committee meeting we will have all those things in place. A lot of work is going on and it is going well and fast.

Chair Ives said any time we partner with other entities, from the City perspective, it is always good to run it by Legal.

Ms. Chavez said we are just supporting their initiative and going off their list. We can talk about that more.

E. GRANTS

Mr. Coombe said we have had one meeting. We requested ideas from the entire Committee for possible projects. We received 6 and all were interesting. We have had a preliminary discussion about those and a bit of conversation about the possibility of moving Mr. Kauffman's storm water project up. At some point it would be good for us to schedule a chunk of time for the Committee as a whole to discuss these ideas and support for them, specifically financial support. Please do send in more ideas. A lot of things even today brought up projects for which we could seek sources of support. We want ideas that would have an outcome that could be measured and known and potential sources of funding.

Mr. Coombe said regarding the Education Subcommittee, one thing he hopes everyone takes note of is the integrated program for 4th graders. It is, in fact, getting off the ground and doing very nicely.

Ms. Chavez said we are super excited to see it turn into a project and that kids are signing up. It is so exciting. It would not have happened without the help of this Committee. 300 kids are going through the Passport Program. We hope you all are coming. The Water Fiesta is Tuesday and Wednesday next week. They will all go

through the drinking water model at the Water Fiesta. We have 2 peer to peer groups this year. We have had to turn people away. She will send out invites to everyone. It is at the Convention Center. Make sure when you get there that you get badged. We have assessments for the kids before and after. These kids will be in water fiesta t-shirts. We are not giving out swag this year, but the value is in the education and opportunity itself.

Mr. Coombe said 300 kids is a large sample. We talked about the possibility of looking at the same group of kids in 5th grade and how much they remember and did it change their outlook.

F. COMMERCIAL CONSERVATION

No report.

14. MATTERS FROM THE PUBLIC

Mr. Otto said we are getting ready for the Hunt for Red October river wide clean up day.

15. MATTERS FROM STAFF

Ms. Chavez said we have a new staff member, Mario Torres, who now works at the Convention Center. He will help us with logistics for the Fiesta. He will be an enforcement officer. He is very knowledgeable. We will have him over to introduce himself.

Mr. Wiman said he will attend the River Commission meeting next week and will bring back a report.

Ms. Chavez said please let her know when members can attend these other meetings.

Ms. Chavez said she sent all of the Committee an invitation for Tuesday, September 26th, from 5:00 pm to 7:00 pm for the public meeting of the storm water plan.

Mr. Lyon said he would love to see as many of us there as possible.

Ms. Chavez said she is counting on that.

Chair Ives said we did a tour in the mulch area today. That has an impact on outdoor irrigation. He wonders if there is any way we can build into, through the City, a program to leverage some good work in outdoor landscaping with mulch. For those with

expertise in that area. Maybe we could do a Resolution.

It was mentioned that the Municipal Tree Board is working on something similar.

Ms. Chavez said maybe we could work with them.

16. MATTERS FROM COMMITTEE

A. COMMITTEE REPORT FROM THE SUSTAINABLE SANTA FE MEETING

No report.


17. NEXT MEETING

TUESDAY, OCTOBER 17TH

18. ADJOURN

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

Councilor Peter Ives, Chair



Elizabeth Martin, Stenographer